Section 26
Fisheries

This section presents statistics relating to quantity, value, species, and disposition of fish caught for commercial purposes, and to fishery products. The principal sources of such data are the annual report, *Fishery Statistics of the United States*, and the monthly and annual bulletins in the *Current Fishery Statistics* series published by the Fish and Wildlife Service of the Department of the Interior.

The Fish and Wildlife Service conducts annual surveys of the fishery industries. Results from the surveys include data on the quantity and value of the catch of individual species of fish, employment in fisheries, gear operated, fishing and transporting craft used, employment in wholesale and manufacturing establishments, and the volume and value of production of manufactured fishery products. In addition, the reports include data on imports, exports, freezings, and cold storage holdings of fishery products; and monthly landings in most coastal States, and in Ohio, Michigan, and Wisconsin. Information is also collected covering shad fisheries of the Hudson and Potomac Rivers; alewife fisheries of the Potomac; seed oyster fisheries; Pacific Coast halibut fisheries; New England offshore fisheries; South Atlantic and Gulf shrimp fisheries; the fur seal industry of the Pribilof Islands; and the Pacific Coast whaling industry.

The first comprehensive survey of fisheries and fishery industries of the United States was made for the year 1880, although it did not include the Mississippi River and its tributaries. A complete survey of the United States was conducted in 1908 and again in 1931. Various sections of the country have been surveyed from time to time. A complete survey of all sections, including manufacturing and wholesaling operations, was made for 1950. Beginning in 1954, complete data have been collected annually, except for a portion of the Mississippi River and its tributaries in 1961.

A preliminary report on the 1963 Census of Commercial Fisheries is scheduled for release by the Bureau of the Census in the fall of 1964, with the final report due in 1965. The report will present statistics on the number of fisheries, receipts from fishing activities, employment, vessels operated, value of catch, and other items.

Alaska and Hawaii.—Statements specifying inclusion or exclusion of figures for Alaska and Hawaii appear in the headnotes to each table unless the inclusion or exclusion is self-evident.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

No. 987. Fisheries—Quantity and Value of Catch: 1930 to 1963

[Includes Alaska. Beginning 1950, includes Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series L 110-111]

Year	Quantity (mil. lb.)			Value (mil. dol.)	Average price per lb. (cents)	Year	Quantity (mil. lb.)			Value (mil. dol.)	Average price per lb. (cents)
	Total	For human food	For industrial products [1]				Total	For human food	For industrial products [1]		
1930	3,224	2,478	746	107	3.4	1957	4,789	2,475	2,314	354	7.4
1940	4,060	2,675	1,385	99	2.4	1958	4,747	2,651	2,096	373	7.9
1945	4,598	3,167	1,431	270	5.9	1959	5,122	2,369	2,753	346	6.8
1950	4,901	3,307	1,594	347	7.1	1960	4,942	2,498	2,444	354	7.2
1954	4,762	2,705	2,057	359	7.6	1961	5,187	2,490	2,697	362	7.0
1955	4,809	2,579	2,230	339	7.1	1962	5,354	2,540	2,814	396	7.4
1956	5,268	2,690	2,578	372	7.1	1963 (prel.)	4,750	2,489	2,261	378	8.0

[1] Manufactured into meal, oil, fish solubles, homogenized condensed fish, shell products, and used as bait and animal food.

Source: Dept. of the Interior, Fish and Wildlife Service; annual report, *Fishery Statistics of the United States*.

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No. 988. Fisheries—Employment, Fishing Craft, and Establishments: 1950, 1960, and 1962

[Includes Alaska and, beginning 1960, Hawaii]

ITEM	1950	1960	1962	ITEM	1950	1960	1962
Persons employed	563,478	537,056	532,326	**Fishery shore establishments**	3,883	4,207	4,135
Direct employment:				Pacific Coast States [2]	700	515	583
Fishermen	161,463	130,431	126,333	Atlantic Coast and Gulf States	2,699	2,898	2,897
Shore workers	102,015	93,625	90,993	Great Lakes and Mississippi River States	484	772	636
Indirect employment, allied industries [1]	300,000	313,000	315,000	Hawaii	n.a.	22	19
Craft utilized	92,310	77,057	70,733				
Fishing craft:							
Vessels, 5 net tons and over	11,496	12,018	11,511				
Motor boats	46,067	56,889	54,406				
Other boats	34,747	8,150	4,816				

n.a. Not available. [1] Gear manufacture, boat building, processing equipment, etc. [2] Includes Alaska.

No. 989. Fisheries—Fishermen, Fishing Craft, and Catch, by Areas: 1962

[Includes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series L 110–123, for data on quantity of catch]

AREA	Fishermen	Fishing vessels	Fishing boats [1]	CATCH			VALUE OF CATCH		
				Total	Fish	Shellfish	Total	Fish	Shellfish
				Mil. pounds	*Mil. pounds*	*Mil. pounds*	*$1,000*	*$1,000*	*$1,000*
United States	[2] 126,333	[2] 11,511	[2] 59,222	5,354	4,709	[3] 645	396,428	230,224	[3] 166,204
New England States	21,536	727	11,113	872	801	71	65,775	36,537	29,238
Middle Atlantic States	8,254	606	4,046	944	893	51	25,209	14,023	11,186
Chesapeake Bay States	16,806	1,191	9,804	522	405	117	33,627	9,535	24,092
South Atlantic States	12,509	1,141	6,861	305	235	70	23,462	8,252	15,210
Gulf States	23,212	3,219	10,277	1,437	1,246	191	94,504	24,732	69,772
Pacific Coast States	32,597	4,586	12,145	1,126	994	[3] 132	138,983	123,452	[3] 15,531
Great Lakes States	3,090	424	1,329	66	66	(4)	5,533	5,533	(5)
Mississippi River States	9,477	--------	8,379	69	56	13	6,515	5,384	1,131
Hawaii	817	60	354	13	13	(4)	2,820	2,776	44

[1] Refers to craft having capacity of less than 5 net tons. [2] Exclusive of duplication.
[3] Includes whale products. [4] Less than 500,000 pounds. [5] Less than $500.

No. 990. Fisheries—Catch and Value of Principal Species: 1950 to 1963

[**Catch in millions of pounds; value in millions of dollars.** Includes Alaska and, beginning 1960, Hawaii]

SPECIES	1950		1955		1960		1963	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value
FISH								
Cod, Atlantic	57	4	36	2	40	3	42	3
Flounder	132	12	110	11	127	13	125	12
Haddock	159	12	135	8	119	9	124	12
Halibut, Pacific	51	8	49	5	51	6	46	11
Herring, sea	364	3	172	2	239	4	182	2
Mackerel, Pacific and Jack	166	3	59	1	118	2	136	3
Menhaden	1,026	10	1,868	25	2,018	20	1,780	22
Ocean perch, Atlantic	208	9	157	6	141	5	108	5
Salmon, Pacific	329	37	290	41	235	45	279	49
Sardine, Pacific	715	12	146	3	58	1	7	(1)
Tuna, Pacific	390	61	269	39	[2] 297	[2] 37	[2] 320	[2] 42
Whiting	67	1	119	2	112	3	93	2
SHELLFISH								
Clams	41	11	34	10	50	12	47	5
Crabs	159	9	136	10	222	17	244	23
Lobsters, northern	23	8	29	11	31	14	30	16
Oysters (meats)	76	30	78	30	60	29	56	26
Shrimp (heads-on)	191	43	244	62	249	67	240	70

[1] Less than $500,000. [2] Excludes landings of tuna by U.S. vessels in Puerto Rico.

Source of tables 988–990: Dept. of the Interior, Fish and Wildlife Service; annual reports, *Fishery Statistics of the United States* and *Fisheries of the United States*.

No. 991. Fisheries—Catch of Principal Species, by Areas, and Quantity and Value of Catch, by States: 1940 to 1962

[**Catch in thousands of pounds; value in thousands of dollars.** Values represent the value of fish to fishermen. See also *Historical Statistics, Colonial Times to 1957*, series L 114–154]

STATE, CATCH, AND VALUE	1940	1950	1955	1958	1959	1960	1961	1962
New England States:								
Catch	626,054	1,006,590	955,418	997,749	933,206	851,964	760,078	871,681
Value	20,494	60,577	57,243	65,480	66,236	61,474	60,858	65,775
Maine:								
Catch	88,088	356,266	257,174	316,955	265,958	294,641	197,970	294,323
Value	2,606	14,689	16,083	19,024	19,571	20,071	19,029	20,365
New Hampshire:								
Catch	788	645	948	979	1,031	1,188	1,146	1,089
Value	105	219	345	375	414	430	426	401
Massachusetts:								
Catch	510,938	591,188	566,413	554,779	537,614	480,421	470,774	493,414
Value	15,756	40,768	35,057	40,933	40,870	35,947	36,900	40,265
Rhode Island:								
Catch	12,060	38,265	115,323	114,524	117,793	69,318	84,046	76,839
Value	966	2,788	4,738	4,137	4,285	3,846	3,317	3,528
Connecticut:								
Catch	14,180	20,226	15,560	10,512	10,810	6,396	6,142	6,016
Value	1,060	2,114	1,020	1,011	1,096	1,180	1,186	1,216
Catch, by species:								
Cod	82,289	53,968	32,369	37,784	40,758	35,255	42,169	43,946
Flounder	57,572	66,824	50,064	58,673	56,665	61,559	67,155	86,711
Haddock	141,193	157,765	135,029	119,551	112,622	118,615	133,536	134,169
Herring, sea	44,052	195,154	104,286	178,437	120,734	154,667	57,856	158,255
Lobster	11,165	22,559	27,624	25,873	27,393	29,260	25,931	28,286
Ocean perch	85,016	207,793	156,989	148,645	136,703	141,433	132,062	123,983
Whiting	40,869	65,464	110,630	106,650	110,144	103,637	93,945	97,737
Middle Atlantic States:								
Catch	[1] 355,553	491,685	871,096	625,383	760,429	783,848	825,443	944,374
Value	[1] 7,651	28,843	28,937	23,126	22,763	21,757	23,952	25,209
New York:								
Catch	91,959	142,341	132,791	97,362	115,170	125,932	124,011	225,759
Value	4,216	15,502	9,498	8,131	8,875	8,781	9,177	10,201
New Jersey:								
Catch	160,554	188,623	421,286	251,483	359,504	373,688	396,752	446,929
Value	2,957	10,201	13,074	9,021	10,093	9,607	11,032	11,824
Delaware:								
Catch	103,017	160,721	317,019	276,538	285,755	284,228	304,680	271,686
Value	475	3,141	6,365	5,974	3,795	3,369	3,743	3,184
Catch, by species:								
Clams	7,658	21,681	16,671	20,611	28,515	31,776	34,157	37,448
Menhaden	245,369	372,947	763,827	525,516	653,024	670,799	715,049	782,487
Oysters	13,983	18,170	9,848	4,296	1,392	1,154	2,021	2,362
Scup	5,777	20,556	20,686	23,261	26,143	26,638	25,742	25,575
Chesapeake Bay States:								
Catch	320,736	380,892	496,208	503,237	589,356	435,797	477,906	521,475
Value	7,456	25,007	31,601	36,699	38,445	34,861	37,093	33,627
Maryland:								
Catch	51,085	67,092	55,249	66,091	63,050	69,113	66,492	67,574
Value	2,599	8,888	11,147	11,953	12,695	13,936	12,778	11,926
Virginia:								
Catch	269,651	313,800	440,959	437,146	526,306	366,684	411,414	453,901
Value	4,858	16,119	20,454	24,746	25,750	20,925	24,315	21,701
Catch, by species:								
Alewives	16,112	34,629	26,988	22,752	21,931	18,989	17,970	27,678
Clams	1,843	1,701	3,950	5,703	7,293	7,823	7,084	8,918
Crabs	41,816	80,046	45,128	49,462	45,549	70,716	74,894	86,571
Menhaden	143,227	170,913	315,359	322,786	414,505	248,905	298,679	327,910
Oysters	37,457	29,954	39,227	37,530	33,322	27,111	27,500	19,939
South Atlantic States:								
Catch	325,515	260,881	346,574	375,655	468,712	378,879	402,246	305,416
Value	4,064	18,944	17,274	20,078	18,870	20,230	19,936	23,462
North Carolina:								
Catch	170,581	172,339	233,096	290,251	342,612	265,248	286,751	182,384
Value	1,865	6,800	7,284	7,696	8,242	7,020	6,669	6,755
South Carolina:								
Catch	9,446	14,726	22,033	16,220	23,443	24,252	19,242	22,680
Value	266	2,810	2,487	2,965	2,936	4,039	3,345	4,720

[1] Includes Pennsylvania.

No. 991. Fisheries—Catch of Principal Species, by Areas, and Quantity and Value of Catch, by States: 1940 to 1962—Continued

[Catch in thousands of pounds; value in thousands of dollars]

STATE, CATCH, AND VALUE	1940	1950	1955	1958	1959	1960	1961	1962
South Atlantic States—Continued								
Georgia:								
Catch	12,672	17,351	19,025	20,066	21,594	27,968	20,532	22,136
Value	381	3,584	2,472	3,597	2,656	3,391	3,018	4,553
Florida (east coast):								
Catch	132,816	56,465	72,420	49,118	81,063	61,411	75,721	78,216
Value	1,553	5,749	5,031	5,820	5,036	5,780	6,904	7,434
Catch, by species:								
Crabs	15,290	20,275	32,606	35,651	39,000	44,927	40,476	38,927
Menhaden	224,882	147,125	227,811	244,117	330,516	215,023	254,505	157,169
Shrimp	22,702	36,481	28,539	22,584	26,006	31,214	19,749	26,078
Gulf States:								
Catch	*250,018*	*570,641*	*829,638*	*808,837*	*1,154,951*	*1,265,950*	*1,377,112*	*1,497,410*
Value	10,581	50,358	76,287	86,539	77,640	85,459	75,521	94,504
Florida (west coast):								
Catch	54,676	62,013	105,756	126,585	131,887	135,535	125,379	119,607
Value	3,452	9,955	21,190	24,258	18,191	21,048	20,303	24,921
Alabama:								
Catch	11,344	10,988	13,441	10,343	14,022	12,106	8,458	9,081
Value	562	2,122	2,265	2,671	2,968	3,003	1,991	2,509
Mississippi:								
Catch	38,002	84,139	183,137	205,822	252,947	314,214	391,689	370,074
Value	623	3,371	5,685	6,234	6,246	7,606	7,549	7,983
Louisiana:								
Catch	126,627	316,250	397,203	317,050	545,758	566,411	648,334	766,540
Value	4,952	23,645	23,418	21,585	24,046	25,949	21,432	28,923
Texas:								
Catch	19,369	97,251	130,101	149,037	210,337	237,684	203,252	172,108
Value	*993*	*11,265*	*23,729*	*31,791*	*26,189*	*27,853*	*24,246*	*30,168*
Catch, by species:								
Crabs	18,636	19,218	20,337	22,790	29,628	35,768	36,345	26,802
Menhaden	25,195	326,030	480,992	442,826	751,836	840,907	1,020,433	1,056,625
Mullet	30,417	23,892	27,508	35,019	33,231	32,708	34,830	35,301
Oysters	17,584	12,292	13,881	10,408	13,721	16,098	18,240	18,838
Shrimp	127,838	151,753	212,402	173,354	193,503	205,725	133,795	141,726
Great Lakes: [2]								
Catch [3]	79,296	70,882	76,754	71,690	65,817	68,243	70,641	65,572
Value [3]	5,623	10,846	9,699	8,651	7,104	7,133	6,971	5,533
Superior:								
Catch	20,672	12,584	13,581	13,194	14,955	13,771	14,749	12,602
Value	904	1,977	1,886	1,526	1,714	1,301	1,264	1,086
Michigan:								
Catch	22,814	27,077	30,036	27,771	20,808	24,311	25,559	23,475
Value	2,050	3,661	3,221	3,163	2,369	2,447	2,497	1,899
Huron:								
Catch	9,099	5,073	4,553	5,094	5,041	6,338	6,918	5,880
Value	680	411	484	676	816	1,249	1,193	897
Erie:								
Catch	22,944	23,982	26,796	22,575	22,433	21,258	19,563	19,660
Value	1,772	4,572	3,954	3,133	2,032	1,920	1,767	1,451
Pacific Coast States:								
Catch	2,019,969	1,997,542	1,115,427	1,278,424	1,055,250	1,060,825	1,182,829	1,125,747
Value	40,190	139,190	106,532	122,710	104,186	112,118	127,990	138,983
Washington:								
Catch	111,632	118,694	155,305	164,987	155,186	113,115	120,381	117,504
Value	6,676	19,071	20,906	25,426	21,529	15,551	18,716	18,939
Oregon:								
Catch	54,203	58,256	46,710	59,467	51,718	49,160	50,542	61,005
Value	*2,742*	*7,151*	*5,683*	*7,345*	*6,396*	*6,055*	*6,521*	*7,833*
California:								
Catch	1,290,446	1,338,299	598,089	674,884	524,823	540,837	598,438	518,020
Value	20,160	81,605	53,175	56,742	47,474	49,578	56,283	54,969
Alaska:								
Catch	563,688	482,293	315,323	379,086	323,523	357,713	413,468	429,218
Value	10,612	31,372	26,768	33,197	28,787	40,934	46,470	57,242

[2] Collected largely by State fishery agencies, and compiled by Fish and Wildlife Service.
[3] Includes, in addition to lakes shown, small amounts for Lake Ontario, Lake-of-the-Woods, Namakan Lake, and Rainy Lake.

No. 991. Fisheries—Catch of Principal Species, by Areas, and Quantity and Value of Catch, by States: 1940 to 1962—Continued

[Catch in thousands of pounds; value in thousands of dollars]

STATE, CATCH, AND VALUE	1940	1950	1955	1958	1959	1960	1961	1962
Pacific Coast States—Con.								
Catch, by species:								
Crabs	16,132	23,810	20,004	40,517	55,917	64,847	76,270	76,357
Flounder	20,415	49,799	46,912	47,625	46,539	47,683	47,723	50,875
Halibut	23,733	12,455	22,410	21,421	53,713	50,932	53,238	53,757
Herring	1,060	1,864	2,413	10,708	114,712	83,820	54,491	41,570
Mackerel	120,504	32,650	23,310	27,648	37,602	36,810	44,110	48,579
Pilchard or sardine	913,944	714,522	145,608	207,446	74,367	57,533	43,169	15,363
Salmon	500,561	328,644	289,880	307,454	201,684	235,447	310,398	314,566
Shrimp	1,138	974	1,553	10,029	20,652	12,418	20,912	22,906
Tuna	204,882	389,891	269,362	316,263	268,330	287,765	310,970	293,880
Mississippi River and tributaries:								
Catch	n.a.	105,796	103,166	74,870	77,662	85,605	[4] 75,982	69,353
Value	n.a.	10,104	8,205	7,396	7,628	7,829	[4] 6,992	6,515
Hawaii:								
Catch	n.a.	15,917	15,096	11,361	16,570	11,118	14,472	13,157
Value	n.a.	3,508	3,113	2,632	3,179	2,704	2,897	2,820
Tuna catch	n.a.	11,918	11,958	8,855	14,334	9,020	12,463	11,063

n.a. Not available.
[4] Includes a combination of 1960 and 1961 data.

Source: Dept. of the Interior, Fish and Wildlife Service; annual report, *Fishery Statistics of the United States.*

No. 992. Catch Landed at Certain Leading Ports—Quantity, Value, and Important Species: 1962 and 1963

[Catch in thousands of pounds; value in thousands of dollars]

PORT	1962		1963 (prel.)		Important species
	Catch	Value	Catch	Value	
Beaufort-Morehead City, N.C.	100,600	n.a.	183,400	n.a.	Menhaden.
Boston, Mass.	117,600	10,500	107,200	10,800	Haddock, cod, pollock.
Cameron, La.	250,700	n.a.	238,000	4,800	Menhaden, shrimp.
Empire, La.	286,700	n.a.	253,000	5,500	Menhaden, shrimp, oysters.
Gloucester, Mass.	167,200	6,400	138,000	6,600	Ocean perch, whiting, industrial fish.
Lewes, Del.	270,200	n.a.	91,200	n.a.	Menhaden.
Morgan City, La.	128,000	n.a.	119,300	5,100	Menhaden, shrimp.
New Bedford, Mass.	119,800	16,500	134,900	16,900	Flounder, sea scallops, industrial fish.
Pascagoula, Miss.	363,100	n.a.	300,200	5,200	Menhaden and other industrial fish.
Port Arthur, Tex.	108,000	n.a.	88,800	2,500	Menhaden, shrimp.
Portland, Maine	54,300	2,500	49,400	2,300	Ocean perch, sea herring, whiting.
Reedville, Va.	302,000	n.a.	214,500	n.a.	Menhaden.
Rockland, Maine	41,000	1,800	39,000	1,900	Ocean perch, menhaden.
San Diego, Calif.	59,500	8,800	58,600	7,200	Tuna.
San Pedro, Calif.	362,400	35,600	374,000	32,000	Tuna, mackerel.

n.a. Not available.

Source: Dept. of the Interior, Fish and Wildlife Service; annual report, *Fisheries of the United States.*

No. 993. Fisheries—Disposition of Domestic Catch: 1950 to 1963

[**Round weight of catch in millions of pounds.** Includes Alaska and, beginning 1959, Hawaii. A large portion of waste derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in addition to whole fish used in manufacture of these products. From 600 million to 1 billion pounds of waste were used in production of meal and oil each year shown. See also *Historical Statistics, Colonial Times to 1957*, series L 155-161]

DISPOSITION	1950	1955	1957	1958	1959	1960	1961	1962	1963 (prel.)
Total	**4,884**	**4,794**	**4,778**	**4,736**	**5,122**	**4,942**	**5,187**	**5,354**	**4,750**
Fresh and frozen	1,692	1,568	1,446	1,541	1,539	1,631	1,572	1,621	1,650
Canned	1,720	1,039	1,117	1,210	977	1,043	1,077	1,106	1,026
Cured	100	86	88	85	83	82	81	80	75
Reduced to meal, oil, etc.	1,372	2,101	2,127	1,900	2,523	2,186	2,457	2,547	1,999

Source: Dept. of the Interior, Fish and Wildlife Service; annual report, *Fisheries of the United States.*

No. 994. Canned Fishery Products—Production and Value, by Species: 1940 to 1963

[**Production in thousands of pounds; value in thousands of dollars.** Includes Alaska and, beginning 1955, Hawaii, Puerto Rico, and American Samoa. See also *Historical Statistics, Colonial Times to 1957*, series L 176-195]

Year	Total	Salmon	Sardines		Tuna	Mackerel	Shrimp	Clam products	Oysters	Other
			Maine[1]	Calif.						
PRODUCTION										
1940	681,194	269,040	22,690	132,565	81,844	63,985	16,744	24,257	9,668	60,401
1945	646,386	235,596	51,061	169,469	87,239	31,174	3,225	21,502	3,164	43,956
1950	967,115	206,871	78,037	228,186	173,462	65,567	11,794	38,868	6,893	157,437
1955	843,695	157,855	25,758	63,657	196,412	25,399	13,516	43,324	7,834	309,940
1957	987,601	153,917	45,019	22,399	232,456	59,696	9,120	44,589	6,981	413,424
1958	1,094,602	179,134	49,139	100,016	277,131	18,199	14,308	42,562	5,580	408,533
1959	969,135	118,330	41,024	33,956	282,192	26,407	13,832	41,726	5,896	405,772
1960	1,083,556	136,049	46,744	27,714	301,388	42,064	14,268	45,256	5,747	464,326
1961	1,042,739	177,443	17,635	18,859	310,612	62,026	9,284	50,221	6,240	390,419
1962	1,133,225	182,435	50,248	6,168	335,506	54,917	13,249	54,019	4,501	432,182
1963 (prel.)	1,032,473	157,900	38,314	2,568	362,912	57,395	15,904	57,062	6,249	334,169
VALUE										
1940	94,182	38,050	3,736	8,975	20,148	4,101	4,318	3,778	2,527	8,549
1945	152,801	52,586	12,077	15,346	46,112	4,047	1,919	7,391	2,030	11,293
1950	331,335	109,541	21,209	26,346	112,136	7,492	12,773	10,840	7,096	23,902
1955	303,165	81,356	9,333	10,014	125,223	3,334	13,562	12,057	7,004	41,282
1957	335,826	86,149	14,733	4,721	135,813	7,404	13,136	13,317	7,008	53,548
1958	388,582	92,822	15,874	16,497	161,793	2,657	20,791	12,551	5,445	60,152
1959	348,251	71,827	14,902	5,399	159,143	4,235	16,948	13,291	5,721	56,785
1960	387,595	88,197	16,700	4,659	172,679	5,804	17,233	13,676	5,640	63,007
1961	422,836	116,955	7,560	3,664	189,173	8,529	11,742	15,824	5,776	63,613
1962	456,881	106,712	20,077	1,300	209,821	7,560	18,973	17,115	4,557	70,766
1963 (prel.)	420,832	87,638	13,547	685	201,588	7,603	19,467	17,398	5,633	67,273

[1] Also known as Atlantic sea herring.

Source: Dept. of the Interior, Fish and Wildlife Service; annual report, *Fishery Statistics of the United States.*

No. 995. Canned and Industrial Fishery Products—Production and Value: 1940 to 1963

[Includes Alaska. Beginning 1955, canned fishery products and meal include Hawaii, Puerto Rico, and American Samoa. See also *Historical Statistics, Colonial Times to 1957*, series L 177 and L 196-201]

Year	Canned		Scrap and meal		Oil (except vitamin)		Vitamin oil, value
	Production	Value	Production	Value	Production	Value	
	1,000 lb.	*$1,000*	*Tons*	*$1,000*	*1,000 gal.*	*$1,000*	*$1,000*
1940	681,194	94,182	193,244	7,834	18,250	5,632	5,088
1945	646,386	152,801	200,675	14,405	23,698	16,034	11,202
1950	967,115	331,335	239,713	29,226	21,432	14,042	3,431
1955	845,019	303,165	264,502	34,749	24,679	14,280	589
1956	979,419	349,516	295,793	37,887	26,581	16,626	625
1957	991,665	335,829	264,085	32,592	20,196	12,077	542
1958	1,099,252	388,582	248,140	31,759	21,977	12,098	235
1959	974,576	348,251	306,551	35,926	24,945	12,791	301
1960	1,083,556	387,595	290,137	25,282	27,853	13,037	350
1961	1,042,739	422,836	311,265	31,940	34,409	14,318	55
1962	1,133,225	456,881	312,259	35,573	33,337	10,961	41
1963 (prel.)	1,032,473	420,832	253,452	29,939	23,953	10,710	35

Source: Dept. of the Interior, Fish and Wildlife Service; annual report, *Fishery Statistics of the United States.*

No. 996. Fresh and Frozen Packaged Fish and Frozen Fishery Products—Production and Value: 1940 to 1963

[Excludes Alaska and Hawaii, except as noted. For cold storage holdings, see table 952. See *Historical Statistics, Colonial Times to 1957*, series L 160, for frozen fishery products]

Item and year	Fresh and frozen packaged fish							Frozen fishery products[1]
	Total	Cod	Flounder	Haddock	Ocean perch	Whiting	Other	
PRODUCTION (1,000 lb.)								
1940	129,420	14,805	11,245	37,140	23,014	13,256	29,960	196,155
1950	191,524	12,990	28,331	51,192	63,128	2,537	33,346	287,190
1955	159,039	11,737	22,740	38,276	50,229	3,703	32,354	314,684
1957	154,465	10,078	24,259	39,401	42,070	3,781	34,876	314,158
1958	155,875	11,813	24,516	33,357	45,536	4,208	36,445	322,153
1959	147,237	12,583	24,386	30,613	38,749	4,642	36,264	336,602
1960	153,166	9,483	28,378	33,324	43,551	2,951	35,479	328,741
1961	158,112	10,128	31,517	38,160	37,494	3,297	37,515	319,585
1962	169,909	11,165	38,162	41,548	35,485	3,180	40,369	343,479
1963 (prel.)	163,405	10,322	44,124	36,708	30,250	2,405	39,596	351,466
VALUE ($1,000)								
1940	14,345	1,793	1,542	4,521	2,272	561	3,656	n.a.
1950	53,482	3,101	9,916	14,275	15,126	399	10,665	
1955	44,865	2,785	8,769	9,848	11,436	591	11,437	
1957	46,762	2,489	9,337	11,800	9,678	644	12,814	
1958	51,227	3,414	9,617	11,603	11,098	796	14,699	
1959	46,170	3,552	9,740	10,143	9,435	806	12,494	
1960	48,437	2,851	11,204	10,839	10,177	571	12,795	
1961	51,764	3,204	12,207	12,009	9,475	630	14,239	
1962	58,327	3,594	14,083	14,168	9,429	641	16,412	
1963 (prel.)	56,595	3,373	15,770	13,284	8,490	535	15,143	

n.a. Not available. [1] Includes Alaska.

No. 997. Manufactured Fishery Products—Summary: 1960, 1962, and 1963

[**Production in thousands of pounds, except as indicated.** Includes Alaska, Hawaii, Puerto Rico, and American Samoa]

Product	1960		1962		1963 (prel.)	
	Production	Value ($1,000)	Production	Value ($1,000)	Production	Value ($1,000)
Total		812,847		958,825		n.a.
Packaged, fresh and frozen	584,220	315,811	647,321	379,534	n.a.	n.a.
Fish, not breaded:						
Fillets and steaks, raw	153,166	48,437	171,528	59,306	163,405	56,595
Other[1]	6,166	1,262	7,420	1,566	n.a.	n.a.
Fish, breaded, raw and cooked:						
Sticks	65,142	28,671	72,217	30,076	79,295	31,587
Fillets, portions, and pan-dressed	51,924	18,965	77,488	27,641	n.a.	n.a.
Shellfish:						
Not breaded	191,749	138,022	183,316	158,438	n.a.	n.a.
Breaded	84,221	57,412	96,623	76,488	n.a.	n.a.
Fish and shellfish specialties	31,852	23,043	38,729	26,019	n.a.	n.a.
Canned products	1,083,556	387,595	1,133,710	456,866	1,032,473	420,832
Fish and shellfish for human consumption	661,066	342,747	757,302	410,183	725,501	380,554
Salmon eggs for bait	718	869	723	817	783	1,236
Animal food	[1] 421,772	[1] 43,979	375,685	45,866	306,189	39,042
Cured fish	68,319	42,845	64,980	46,747	n.a.	n.a.
Salted and pickled[2]	35,949	14,388	30,763	12,334	n.a.	n.a.
Smoked	31,512	27,557	33,676	33,666	n.a.	n.a.
Dried shrimp	[3] 857	[3] 900	541	747	n.a.	n.a.
Industrial products		66,595		75,678		68,018
Meal and scrap ... 1,000 tons	290	25,282	312	35,573	253	29,939
Oil (body and liver) ... 1,000 gallons	27,886	13,386	33,334	11,002	23,978	10,745
Fish solubles and homogenized condensed fish ... 1,000 tons	99	4,021	125	6,635	107	6,645
Oyster and marine clam-shell lime and grit ... 1,000 tons	471	6,821	436	5,889	399	5,480
Marine pearl-shell buttons ... 1,000 gross	1,426	2,676	1,741	2,668	780	1,520
Other		14,409		13,911		13,689

n.a. Not available. [1] Includes whale meat for animal feeding.
[2] Includes lutefisk from dried cod. [3] Includes mackerel and tuna.

Source of tables 996 and 997: Dept. of the Interior, Fish and Wildlife Service; annual report, *Fishery Statistics fo the United States*.

No. 998. Fishery Products—Imports and Exports: 1940 to 1963

[Includes Alaska, Hawaii, and Puerto Rico. See *Historical Statistics, Colonial Times to 1957*, series L 162, for edible imports]

YEAR	IMPORTS				EXPORTS			
	Total value	Edible products		Non-edible, value	Total value	Edible products		Non-edible, value
		Quantity	Value			Quantity	Value	
	$1,000	*1,000 pounds*	*$1,000*	*$1,000*	*$1,000*	*1,000 pounds*	*$1,000*	*$1,000*
1940	41,830	302,518	29,073	12,757	17,785	144,804	17,115	670
1945	101,254	404,768	76,434	24,820	38,510	135,979	30,855	7,655
1950	198,296	639,725	158,414	39,882	27,474	121,623	18,856	8,618
1955	257,947	771,012	208,051	49,896	39,977	109,750	24,923	15,054
1959	366,500	1,113,624	311,033	55,467	44,242	80,688	26,747	17,495
1960	360,065	1,067,460	307,380	52,685	44,165	61,454	25,622	18,543
1961	397,058	1,061,662	335,757	61,301	34,710	40,137	19,594	15,116
1962	475,248	1,222,836	400,882	74,366	35,728	56,530	22,470	13,258
1963 (prel.)	486,894	1,156,179	392,077	94,817	56,604	64,744	30,376	26,228

Source: Dept. of the Interior, Fish and Wildlife Service; annual reports, *Fishery Statistics of the United States*, and *Fisheries of the United States*. Compiled from data furnished by Dept. of Commerce, Bureau of the Census.

No. 999. Fishery Products—Imports and Exports of Selected Products: 1955 to 1963

[**Quantity in thousands of pounds; value in thousands of dollars.** Includes Alaska, Hawaii, and Puerto Rico. See *Historical Statistics, Colonial Times to 1957*, series L 164–171, for selected imports]

PRODUCT	1955		1960		1962		1963 (prel.)	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
IMPORTS								
Edible:								
Fresh or frozen:								
Whitefish (exc. fillets)	10,161	3,421	14,483	5,520	15,761	5,768	13,985	5,294
Halibut (exc. fillets)	15,988	3,187	24,124	5,832	24,905	8,245	22,722	6,358
Salmon (exc. fillets)	16,945	5,488	13,472	6,340	9,735	5,539	8,898	5,103
Sea herring	6,302	151	74,682	1,728	62,490	1,430	45,455	1,041
Smelt	6,176	1,230	8,437	1,402	11,968	1,651	8,781	1,166
Swordfish (exc. fillets)	6,742	2,000	7,256	2,994	3,622	2,075	9,979	3,246
Tuna	145,246	19,047	234,648	29,595	272,465	41,841	230,776	30,572
Groundfish fillets	128,312	24,768	155,550	33,265	221,420	46,937	231,768	50,330
Other fillets and steaks	55,223	17,627	61,713	20,955	76,443	26,127	68,639	23,668
Lobster and spiny lobster	45,441	30,104	53,749	44,767	58,048	57,182	55,895	54,473
Shrimp and prawn	53,772	24,532	113,418	56,406	141,183	91,898	151,530	103,153
Canned:								
Anchovies, in oil	5,753	2,695	5,160	2,173	4,904	2,564	3,900	2,453
Salmon	14,644	5,173	19,113	7,541	6,843	3,436	1,249	605
Sardines, in oil	20,930	7,502	21,236	8,330	32,603	13,382	19,908	9,592
Sardines and herring, not in oil	9,886	2,366	16,732	3,467	32,476	6,697	28,995	6,172
Tuna, in oil	818	355	596	221	358	164	224	118
Tuna, not in oil	34,745	13,846	51,159	18,921	56,361	22,720	57,271	23,818
Bonito and yellowtail:								
In oil	11,725	2,822	7,109	1,699	6,127	1,675	3,480	1,003
Not in oil	3,589	688	2,795	599	2,600	650	2,385	614
Crab meat	4,951	4,718	4,507	5,514	3,505	4,701	5,295	6,370
Lobster, common and spiny	3,775	5,073	2,939	5,239	3,309	5,811	2,643	4,819
Pickled or salted:								
Cod, haddock, hake, pollock, and cusk	50,626	7,793	47,355	9,435	44,174	8,868	42,830	8,891
Herring	32,390	3,641	29,294	3,924	25,860	3,625	25,501	3,589
Nonedible (scrap and meal)	196,000	12,956	264,000	11,068	504,000	24,298	765,000	37,423
EXPORTS								
Canned:								
Salmon	10,429	6,599	11,924	9,830	8,978	7,292	10,228	8,239
Mackerel	1,548	244	1,305	211	4,272	671	4,940	681
Sardines, in oil	1,179	246	264	65	578	218	146	50
Sardines, not in oil	45,431	7,232	20,955	3,443	7,188	1,285	3,493	666
Fish oil, nonedible	143,042	11,913	143,659	10,688	123,050	6,047	262,342	15,636

Source: Dept. of the Interior, Fish and Wildlife Service; annual report, *Fishery Statistics of the United States*. Compiled from data furnished by Dept. of Commerce, Bureau of the Census.

Section 27

Mining and Mineral Products

This section presents statistics relating to the mineral industries and mineral products. The data are arranged in four broad groupings: General summary statistics, fuels, nonmetals other than fuels, and metals. Summary measures of production and employment are presented for mining and its products. More detailed data on value and quantity of production, prices, imports and exports, consumption, and distribution are shown for specific mineral industries and products.

The principal source of these data is the *Minerals Yearbook*, published by the Bureau of Mines of the Department of the Interior. Beginning with the 1963 edition, the *Yearbook* will add a fourth volume, *International Review*, scheduled for release in the fall of 1964. The other three volumes are: *Metals and Minerals (Except Fuels)*, *Fuels*, and *Area Reports*. Other government sources are the Censuses of Mineral Industries conducted by the Bureau of the Census; *Statistics of Oil Pipe Line Companies*, issued annually by the Interstate Commerce Commission as Part 6 of *Transport Statistics;* and the Bureau of the Mint's *Annual Report of the Director*, which presents data on gold and silver. Nongovernment sources include the *Engineering and Mining Journal*, issued monthly by the McGraw-Hill Publishing Co., and *The Iron Age*, issued weekly by the Chilton Co.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the United States Geological Survey or by the Bureau of Mines since 1880. Current data available from Bureau of Mines publications include quantities and values of minerals produced, sold or used by producers, or shipped; quantities of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The Bureau of Mines also collects and publishes data on man-hours, active days, length of shift, and accidents. The new *International Review* will present mineral statistics for major countries and areas.

Decennial censuses of mineral industries were conducted by the Bureau of the Census from 1840 to 1940. Censuses were taken again for the years 1954 and 1958; summary data from those censuses are included here. Commodity statistics on many of the manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

Data on mining and mineral products may also be found in other sections of this *Abstract*. For example, data on iron and steel, aluminum and magnesium, copper products, clay products, and other mineral products appear in section 29, Manufactures; and summary data for outlying areas of the U.S. appear in section 32.

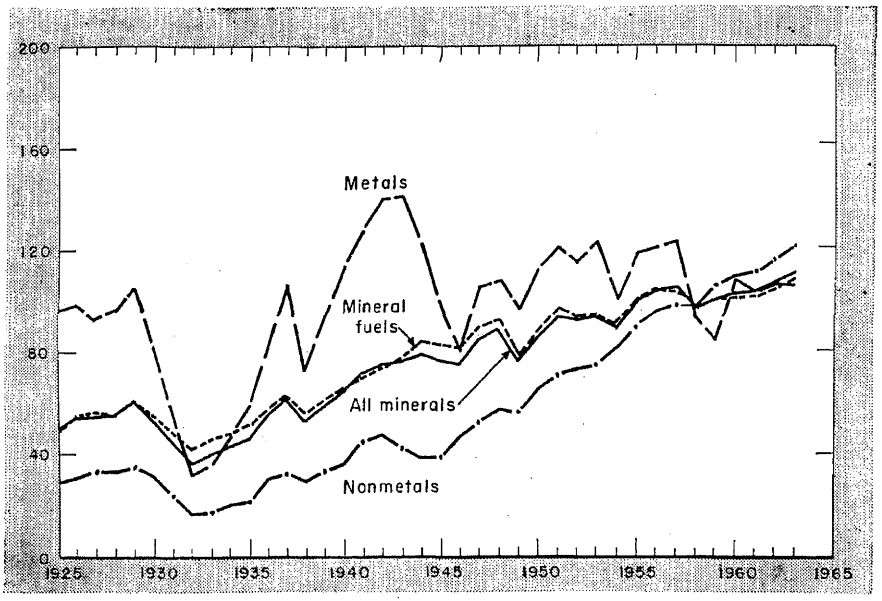
In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1006. Except for crude petroleum, the export and import figures include foreign trade passing through the customs districts of Alaska, Hawaii, and Puerto Rico, but exclude shipments between conterminous U.S. and outlying areas.

Alaska and Hawaii.—Statements specifying inclusion or exclusion of figures for Alaska and Hawaii appear in the headnotes to each table unless the inclusion or exclusion is self-evident. "Conterminous area" refers to the United States excluding Alaska, Hawaii, and outlying areas.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XLI. INDEXES OF THE PHYSICAL VOLUME OF MINERAL PRODUCTION: 1925 TO 1963

[1957-59=100. See table 1000]



Source: Dept. of the Interior, Bureau of Mines.

No. 1000. BUREAU OF MINES INDEXES OF MINERAL PRODUCTION AND VALUE: 1940 TO 1963

[1957-59=100. Includes Alaska, Hawaii, Puerto Rico, and, beginning 1955, outlying areas of U.S. See *Historical Statistics, Colonial Times to 1957*, series M 51-62, for indexes of physical volume on 1947-49 base]

YEAR	PHYSICAL VOLUME OF PRODUCTION				IMPLICIT UNIT VALUE [1]			
	All minerals	Metals	Nonmetals	Mineral fuels	All minerals	Metals	Nonmetals	Mineral fuels
1940	65.1	113.1	36.6	65.8	38.4	45.8	53.3	34.7
1945	76.4	97.9	38.8	82.5	47.6	48.4	60.6	46.8
1950	85.2	111.8	64.2	87.1	81.8	73.4	82.7	83.6
1955	98.9	118.2	89.0	99.0	94.5	103.9	96.4	92.5
1956	104.5	120.4	95.4	104.8	96.5	113.5	100.3	92.9
1957	104.8	122.1	97.1	104.6	100.9	102.5	98.6	101.2
1958	95.9	93.3	97.4	95.9	99.6	95.5	99.5	100.0
1959	99.4	84.5	105.4	99.6	99.5	101.5	101.9	98.6
1960	102.1	107.5	108.0	100.3	100.9	106.8	100.7	99.3
1961	102.9	103.3	110.3	101.2	101.1	102.8	100.4	100.5
1962	106.0	106.1	115.4	104.0	101.6	103.9	100.0	101.1
1963 (prel.)	110.4	105.4	120.8	108.7	101.7	107.2	100.1	100.9

[1] Reflects unit price change; obtained by dividing an index of value by index of physical volume. For details, see *Minerals Yearbook, 1961*, Vol. I.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1001. Value of Mineral Production: 1931 to 1963

[**In millions of dollars.** Beginning 1953, includes Alaska and Hawaii. Includes some products, as cement, lime, and natural gas liquids in all years, and, through 1946, heavy clay products; also, nonferrous metals are valued at the refined price. See also *Historical Statistics, Colonial Times to 1957*, series M 13-14, M 20, and M 30]

Yearly average or year	Total	Mineral fuels [1]	Nonmetals [2]	Metals	Year	Total	Mineral fuels [1]	Nonmetals [2]	Metals
1931-1935	2,463	1,691	520	252	1957	18,233	12,709	3,387	2,137
1936-1940	3,879	2,545	711	623	1958	16,649	11,589	3,466	1,594
1941-1945	5,840	3,993	937	910	1959	17,381	11,950	3,861	1,570
1946-1950	10,277	7,678	1,503	1,097	1960	18,032	12,142	3,868	2,022
1951-1955	14,285	10,070	2,480	1,734	1961	18,230	12,357	3,946	1,927
1955	15,911	10,780	3,076	2,055	1962	18,834	12,779	4,118	1,937
1956	17,490	11,741	3,391	2,358	1963 (prel.)	19,670	13,400	4,300	1,970

[1] Through 1948, comprises coal, natural gas, natural gas liquids, and petroleum; beginning 1949, also includes asphalt and related bitumens, carbon dioxide, helium, and peat.
[2] Beginning 1954, adjusted to eliminate duplication in value of cement and/or lime.

No. 1002. Principal Metals and Minerals—U.S. Production as Percent of World Production: 1962

[Includes Alaska and Hawaii]

Item	Production: Unit	Production: World	U.S. as percent of world	Item	Production: Unit	Production: World	U.S. as percent of world
Fuels:				Metallic—Con.			
Coal	1,000 sh. tons	2,953,237	15	Nickel [4]	1,000 sh. tons	401	3
Petroleum (crude)	1,000 bbl	8,878,881	30	Platinum group	1,000 troy oz	1,190	2
Nonmetals:				Silver	1,000 sh. tons	242,400	15
Asbestos	1,000 sh. tons	3,055	2	Titanium concentrates: [2]			
Cement [1]	1,000 bbl	2,095,654	20	Ilmenite	1,000 sh. tons	2,295	35
Feldspar [2]	1,000 long tons	1,500	33	Rutile	1,000 sh. tons	151	7
Fluorspar	1,000 sh. tons	2,405	9	Tungsten (WO_3 equiv.)	short tons	42,660	12
Gypsum	1,000 sh. tons	49,965	20	Uranium oxide (U_3O_8)	short tons	34,600	49
Mica (incl. scrap)	1,000 lb	400,000	54	Vanadium [2 4]	short tons	8,350	63
Nitrogen, agric. [2 3]	1,000 sh. tons	12,790	23	Zinc [4]	1,000 sh. tons	3,870	13
Phosphate rock	1,000 long tons	46,040	42	Metals, smelter basis:			
Potash (K_2O equiv.)	1,000 sh. tons	10,700	23	Aluminum	1,000 sh. tons	5,595	38
Salt [1]	1,000 sh. tons	100,500	29	Copper	1,000 sh. tons	5,300	25
Sulfur, elemental	1,000 long tons	11,640	51	Iron, pig	1,000 sh. tons	294,200	23
Metallic ores and concentrates:				Lead	1,000 sh. tons	2,665	14
Bauxite	1,000 long tons	29,940	5	Magnesium	1,000 sh. tons	145,900	47
Copper [4]	1,000 sh. tons	5,050	24	Steel ingots and castings	1,000 sh. tons	397,350	25
Iron ore	1,000 long tons	504,012	14	Tin	1,000 sh. tons	196	3
Lead [4]	1,000 sh. tons	2,765	9	Zinc	1,000 sh. tons	3,650	24
Mercury	1,000 76-lb. flasks	244	11				
Molybdenum [4]	1,000 lb	75,000	68				

[1] Includes Puerto Rico. [2] Excludes U.S.S.R. [3] For year ending June 30.
[4] Content of ore and concentrate.

Source of tables 1001 and 1002: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1003. Federal Reserve Board Indexes of the Physical Volume of Mineral Production: 1950 to 1963

[**1957-59=100.** Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series M 63-66, for indexes on 1947-49 base]

Year	All mining	Coal, oil, and gas: Total	Coal: Total	Coal: Anthracite	Coal: Bituminous	Crude oil	Gas and gas liquids	Oil and gas drilling	Metal, stone, and earth minerals: Total	Metal mining	Stone and earth minerals
1950	83	85	126	197	120	77	61	77	75	91	65
1955	99	100	110	112	109	98	88	109	96	104	91
1956	105	105	117	128	116	102	95	112	103	109	98
1957	105	105	113	114	113	103	98	106	105	116	98
1958	96	96	93	98	93	96	98	95	96	95	96
1959	100	100	93	88	94	101	104	99	99	89	106
1960	102	100	94	81	95	101	113	91	111	112	110
1961	103	101	90	81	91	103	117	91	111	112	109
1962	105	104	95	76	96	105	120	94	111	113	110
1963 (prel.)	108	107	102	87	104	108	129	87	112	112	112

Source: Board of Governors of the Federal Reserve System; *Industrial Production, 1957-59 Base* and *Federal Reserve Bulletin*.

No. 1004. Summary of Value of Raw Materials in Constant Dollars, by Major Groups: 1940 to 1961

[**In millions of 1954 dollars.** Includes Alaska, Hawaii, and outlying areas of the U.S., except for agricultural materials. See *Historical Statistics, Colonial Times to 1957*, series M 38–50, for minerals figures]

Item and year	All raw materials [1]	Agricultural materials			Fishery and wildlife products	Forest products	Minerals			
		Total	Crops	Livestock			Total [1]	Metallic ores [1]	Mineral fuels	Other minerals
Production:										
1940	31,315	19,459	8,010	11,449	391	2,531	8,934	1,248	6,789	897
1950	38,779	23,383	9,381	14,002	421	2,714	12,261	1,387	9,342	1,532
1955	44,753	26,899	10,965	15,934	438	2,793	14,623	1,578	10,905	2,140
1957	45,800	27,242	10,829	16,413	460	2,609	15,489	1,636	11,549	2,304
1958	45,473	28,206	12,192	16,014	454	2,586	14,227	1,229	10,704	2,294
1959	46,313	28,219	11,564	16,655	442	2,868	14,784	1,106	11,207	2,471
1960	48,184	29,728	12,733	16,995	450	2,692	15,314	1,455	11,325	2,534
1961	47,690	29,193	11,739	17,454	446	2,659	15,392	1,339	11,451	2,602
Imports:										
1940	5,934	4,218	3,651	567	247	175	1,294	945	239	110
1950	8,063	4,871	4,076	795	295	379	2,518	1,382	865	271
1955	8,644	4,726	4,151	575	336	404	3,178	1,607	1,303	268
1957	9,429	4,900	4,303	597	368	374	3,787	1,853	1,634	300
1958	9,206	4,926	4,143	783	375	383	3,522	1,436	1,825	261
1959	10,154	5,658	4,705	953	434	445	3,617	1,524	1,777	316
1960	10,036	5,490	4,698	792	423	429	3,694	1,498	1,902	294
1961	10,253	5,678	4,763	915	479	449	3,647	1,419	1,947	281
Exports:										
1940	2,321	1,238	1,084	154	71	90	922	430	452	40
1950	3,523	2,684	2,274	410	42	83	714	202	438	74
1955	4,208	2,975	2,296	679	62	100	1,071	379	593	99
1957	6,089	4,361	3,730	631	67	99	1,562	519	928	115
1958	4,809	3,669	3,127	542	58	91	991	374	506	111
1959	4,920	3,907	3,322	585	74	108	831	300	411	120
1960	6,294	4,949	4,360	589	75	125	1,145	610	398	137
1961	6,394	5,052	4,412	640	76	121	1,145	639	367	139
Apparent consumption: [2]										
1940	34,054	21,565	9,736	11,829	567	2,616	9,306	1,763	6,576	967
1950	43,515	25,766	11,218	14,548	674	3,010	14,065	2,567	9,769	1,729
1955	47,994	27,455	11,299	16,156	712	3,097	16,730	2,806	11,615	2,309
1957	49,271	27,911	11,424	16,487	762	2,884	17,714	2,970	12,255	2,489
1958	48,276	27,869	11,519	16,350	771	2,878	16,758	2,291	12,023	2,444
1959	50,733	29,156	12,095	17,061	802	3,205	17,570	2,330	12,573	2,667
1960	50,891	29,233	12,029	17,204	799	2,996	17,863	2,343	12,829	2,691
1961	51,586	29,855	12,305	17,550	850	2,987	17,894	2,119	13,031	2,744

[1] Excludes gold.
[2] Represents "production" plus "imports" minus "exports," except for agricultural materials, for which "consumption" is adjusted for a major portion of stock changes.

Source: Dept. of Commerce, Bureau of the Census; *Raw Materials in the United States Economy: 1900–1961*, Working Paper No. 6.

No. 1005. Average Prices of Selected Mineral Products: 1931 to 1963

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1957*, series M 91, M 134, M 199, and M 238, for bituminous coal, crude petroleum, iron ore, and lead, respectively]

Yearly average or year	Iron ore [1] (Lake Erie ports)	Copper, electrolytic [2]	Lead (New York)	Tin (New York) [3]	Zinc (St. Louis)	Aluminum, delivered [4]	Sulfur, crude (f.o.b. works)	Bituminous coal [5]	Crude petroleum [6]
	Dol. per long ton	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Dol. per long ton*	*Dol. per short ton*	*Dol. per barrel*
1931–1935	4.50	7.555	3.843	37.64	3.806	22.40	18.00	1.54	.83
1936–1940	4.76	10.980	5.138	48.39	5.495	20.12	17.10	1.88	1.09
1941–1945	4.47	11.779	6.355	52.01	8.095	15.37	16.00	2.64	1.19
1946–1950	6.29	19.451	13.897	85.32	11.765	16.09	17.48	4.46	2.20
1951–1955	9.36	28.877	15.330	106.00	13.610	20.96	23.88	4.75	2.66
1956–1960	11.33	32.078	13.388	99.26	11.919	25.00	24.50	4.84	2.93
1955	10.10	37.491	15.138	94.74	12.299	23.67	26.50	4.50	2.77
1960	11.45	32.053	11.948	101.44	12.946	26.00	23.50	4.69	2.88
1961	11.45	29.921	10.871	113.31	11.542	25.46	23.50	4.58	2.89
1962	10.65	30.600	9.631	114.65	11.625	23.88	23.50	4.48	2.90
1963	10.65	30.600	11.137	116.65	11.997	22.62	23.50	[7] 4.46	[7] 2.89

[1] Lake Superior, Mesabi, non-Bessemer. [2] Domestic market since 1932. [3] Straits tin.
[4] Prices 1931–1955, for 99+ percent virgin ingot aluminum; beginning 1956, for 99+ percent unalloyed ingot.
[5] Average value at mine. Includes Alaska.
[6] Average value at well. Beginning 1958, includes Alaska, and 1959, Hawaii. [7] Preliminary.

Source: Compiled from *Engineering Mining Journal; The Iron Age; Wholesale Prices and Price Indexes* (Bureau of Labor Statistics); *Minerals Yearbook*, and unpublished data (Bureau of Mines).

No. 1006. Mineral Production, 1959 to 1962, and Principal Producing States, 1962

Value in thousands of dollars. Includes Alaska and Hawaii. Data represent production as measured by mine shipments, mine sales, or marketable production (including consumption by producers). 1962 data for petroleum are preliminary. See *Historical Statistics, Colonial Times to 1957*, series M 13-37, for selected values]

MINERAL	1959		1960		1961		1962		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Principal producing States in order of quantity
Total mineral production		17,381,000		18,032,000		18,230,000		18,834,000	
Mineral fuels		11,950,000		12,142,000		12,357,000		12,779,000	
Asphalt and related bitumens (native):									
Bituminous limestone and sandstone ... short tons	1,518,765	3,868	1,242,874	3,070	1,558,792	12,818	1,647,063	14,601	Tex., Utah, Ala., Mo.
Gilsonite ... short tons	379,362	9,385	383,037	10,020					
Carbon dioxide, natural (estimated) ... 1,000 cubic feet	485,179	71	521,169	99	545,354	82	1,144,107	146	N. Mex., Colo., Utah, Calif.
Coal:									
Bituminous and lignite [1] ... 1,000 short tons	412,028	1,965,607	415,512	1,950,425	402,977	1,844,563	422,149	1,891,553	W. Va., Pa., Ky., Ill.
Pennsylvania anthracite ... 1,000 short tons	20,649	172,320	18,817	147,116	17,446	140,338	16,894	134,094	Pa.
Helium ... 1,000 cubic feet	375,408	6,144	475,179	7,768	551,785	10,263	599,519	20,905	Okla., Tex., Kans., N. Mex.
Natural gas ... 1,000,000 cubic feet	12,046,115	1,556,800	12,771,038	1,789,970	13,254,025	1,996,241	13,876,622	2,145,301	Tex., La., Okla., N. Mex.
Natural-gas liquids:									
Natural gasoline and cycle products ... 1,000 gallons	5,597,102	408,694	5,842,507	416,819	6,105,463	412,019	6,244,522	444,817	Tex., La., Okla., Calif.
LP-gases ... 1,000 gallons	7,874,706	349,802	8,444,074	391,566	9,085,465	370,186	9,409,083	353,334	
Peat ... short tons	419,460	4,372	470,889	5,138	531,067	5,036	571,873	5,186	Mich., Ind., Wash., Calif.
Petroleum (crude) ... 1,000 (42-gal.) bbl	2,574,590	7,473,336	2,574,933	7,420,181	2,621,758	7,565,582	2,676,185	7,768,822	Tex., La., Calif., Okla.
Nonmetallic minerals (except fuels)		3,861,000		3,868,000		3,946,000		4,118,000	
Abrasive stone [2] ... short tons	3,672	315	2,539	240	2,495	238	2,653	260	
Aplite ... long tons	(3)	(3)	(3)	(3)	97,465	651	125,156	912	Va.
Asbestos ... short tons	45,459	4,391	45,223	4,231	52,814	4,347	53,190	4,677	Vt., Calif., Ariz., N.C.
Barite ... short tons	901,815	10,301	714,276	8,574	796,804	9,300	860,312	9,820	Mo., Ark., Nev., Ga.
Boron minerals ... short tons	619,946	46,150	640,591	47,550	602,613	46,936	646,613	49,336	Calif.
Bromine ... 1,000 pounds	195,483	51,508	175,010	44,637	180,798	44,517	190,747	46,617	Mich., Tex., Ark., Calif.
Cement:									
Portland ... 1,000 (376-lb.) bbl	346,675	1,144,867	321,646	1,089,134	314,821	1,048,832	325,476	1,070,371	Calif., Pa., Tex., Mich.
Masonry ... 1,000 (280-lb.) bbl					19,275	55,737	19,998	57,405	
Natural and slag ... 1,000 (376-lb.) bbl					269	968	402	1,611	
Clays ... 1,000 short tons	49,383	159,659	49,069	162,411	47,389	156,829	47,797	163,012	Ohio, Ga., Tex., Calif.
Emery ... short tons	8,555	150	8,169	142	6,180	106	4,316	71	N.Y.
Feldspar ... long tons	548,390	5,372	502,380	4,779	496,808	5,120	492,476	5,076	N.C., Calif., Conn., Ga.
Fluorspar ... short tons	185,091	8,680	229,782	10,391	197,354	8,940	206,026	9,166	Ill., Ky., Colo., Mont.
Garnet (abrasive) ... short tons	14,568	1,211	10,522	986	12,057	1,036	14,166	1,172	N.Y., Idaho.
Gem stones (estimated)	(4)	1,184	(4)	1,188	(4)	1,309	(4)	1,296	
Gypsum ... 1,000 short tons	10,900	39,231	9,825	35,690	9,500	34,996	9,969	36,343	Calif., Mich., Iowa, Tex.
Lime ... 1,000 short tons	12,498	163,890	12,935	172,731	13,249	177,463	13,753	186,754	Ohio, Mo., Mich., Pa.

See footnotes at end of table.

No. 1006. Mineral Production, 1959 to 1962, and Principal Producing States, 1962—Continued

[Value in thousands of dollars]

MINERAL	1959		1960		1961		1962		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Principal producing States in order of quantity
Magnesite ... short tons	594,307	2,401	498,528	2,051	603,656	3,129	492,471	2,287	Nev., Wash.
Magnesium compounds from sea water and brines (except for metals) ... short tons (MgO equivalent)	276,309	21,636	293,454	21,903	356,384	25,545	408,129	28,742	Mich., Calif., Fla., Tex.
Mica:									
Scrap ... short tons	101,541	2,665	97,912	2,698	99,044	2,417	107,702	2,639	N.C., Ala., Ga., S.C.
Sheet ... pounds	706,395	3,419	587,401	3,108	526,007	3,386	360,958	1,277	N.C., N.H., S. Dak., Maine.
Perlite ... short tons	324,669	2,737	312,153	2,665	310,338	2,664	320,330	2,663	N. Mex., Nev., Ariz., Calif.
Phosphate rock ... 1,000 long tons	15,869	98,758	17,516	117,041	18,559	130,535	19,382	134,304	Fla., Tenn., Idaho, Mont.
Potassium salts ... 1,000 short tons (K_2O equivalent)	2,383	80,393	2,638	89,676	2,732	104,464	2,452	94,859	N. Mex., Calif., Utah, Mich.
Pumice ... 1,000 short tons	2,276	5,863	2,210	5,569	2,463	6,799	2,247	6,262	Ariz., Calif., N. Mex., Hawaii.
Pyrites ... 1,000 long tons	1,057	8,148	1,016	7,936	988	7,418	916	6,809	Tenn., Colo., Pa., Calif.
Salt (common) ... 1,000 short tons	25,160	155,839	25,479	161,140	25,707	160,223	28,807	174,841	Tex., La., N.Y., Mich.
Sand and gravel ... 1,000 short tons	730,205	728,712	709,792	720,432	751,784	751,301	776,701	794,725	Calif., Mich., Ohio, Ill.
Sodium carbonate (natural) ... short tons	735,261	19,078	808,624	20,865	805,828	20,444	977,584	24,330	Wyo., Calif.
Sodium sulfate (natural) ... short tons	402,743	7,689	449,631	8,706	465,814	9,296	457,881	9,092	Calif., Tex., Wyo.
Stone [5] ... 1,000 short tons	584,163	911,982	616,784	952,555	611,938	947,359	656,954	1,025,697	Pa., Ill., Tex., Calif.
Sulfur:									
Frasch-process mines ... 1,000 long tons	5,222	121,777	5,003	115,494	5,082	117,884	4,917	107,069	Tex., La.
Other mines ... 1,000 long tons	152	1,418	181	1,732	178	1,694	151	1,439	Calif., Nev.
Talc, pyrophyllite and soapstone ... short tons	791,558	5,641	734,473	5,378	762,380	5,277	771,728	5,278	N.Y., Calif., N.C., Vt.
Tripoli ... short tons	52,968	219	57,713	247	54,641	225	61,732	244	Ill., Okla., Pa.
Vermiculite ... 1,000 short tons	207	3,082	199	3,108	206	3,350	205	3,293	Mont., S.C., Wyo., Colo.
Nonmetallic minerals, undistributed [6]	----------	42,322	----------	42,664	----------	44,863	----------	47,815	----------

Metals		1,570,000		2,022,000		1,927,000		1,937,000	
Antimony ore and concentrate									
short tons (antimony content)	688	(7)	635	(7)	689	(7)	631	(7)	Idaho.
Bauxite long tons (dried equivalent)	1,700,235	17,725	1,997,827	21,107	1,228,032	13,937	1,369,007	15,609	Ark., Ga., Ala.
Beryllium concentrate short tons (gross weight)	425	179	509	162	[8] 1,122	(7)	[8] 978	(7)	S. Dak., N. Mex., Colo., N.H.
Chromite short tons (gross weight)	[9] 105,000	[9] 3,765	[9] 107,000	[9] 3,813	[9] 82,000	[9] 2,939			
Cobalt (content of concentrate) 1,000 pounds	2,944	(7)	(7)	(7)	(7)	(7)	(7)	(7)	Pa.
Columbium-tantalum concentrate pounds	189,263	(7)							
Copper (recoverable content of ores, etc.) short tons	824,846	506,455	1,080,169	693,468	1,165,155	699,093	1,228,421	756,707	Ariz., Utah, Mont., N. Mex.
Gold (recoverable content of ores, etc.) troy ounces	1,602,931	56,103	1,666,772	58,336	1,548,270	54,189	1,542,511	53,990	S. Dak., Utah, Alaska, Ariz.
Iron ore, usable (excluding byproduct iron sinter) 1,000 long tons (gross weight)	59,164	514,067	82,963	724,131	72,378	650,501	69,969	618,242	Minn., Mich., Ala., Calif.
Lead (recoverable content of ores, etc.) short tons	255,586	58,786	246,669	57,722	261,921	53,956	236,956	43,602	Idaho, Mo., Utah, Colo.
Manganese ore (35 percent or more Mn) short tons (gross weight)	229,199	17,904	80,021	5,352	46,088	3,224	24,758	(7)	Mont.
Manganiferous ore (5 to 35 percent Mn) do	470,600	3,153	658,455	4,466	225,004	1,480	338,501	(7)	Minn., N. Mex., Mont., Calif.
Mercury 76-pound flasks	31,256	7,110	33,223	7,002	31,662	6,257	26,277	5,024	Calif., Nev., Alaska, Ariz.
Molybdenum (content of concentrate) 1,000 pounds	51,603	64,655	69,941	87,406	66,753	87,925	50,506	69,390	Colo., Utah, Ariz., N. Mex.
Nickel (content of ore and concentrate) short tons	13,374	(7)	14,079	(7)	13,133	(7)	13,110	(7)	Oreg.
Rare-earth and thorium concentrates short tons	1,143	206	(7)	(7)	(7)	(7)	(7)	(7)	Calif., Fla., Mont.
Silver (recoverable content of ores, etc.) 1,000 troy ounces	31,194	28,233	30,766	27,846	34,794	32,166	36,798	39,929	Idaho, Ariz., Utah, Mont.
Tin (content of ore and concentrate) long tons	50	60	10	12	(7)	(7)	(7)	(7)	Colo.
Titanium concentrate:									
Ilmenite short tons (gross weight)	637,263	12,106	789,237	14,655	782,629	13,312	809,037	13,974	N.Y., Fla., Va., N.J.
Rutile short tons (gross weight)	8,648	877	9,226	957	7,664	778	8,033	933	
Tungsten ore and concentrate short tons (60-percent WO_3 basis)	3,649	4,502	7,325	9,815	8,245	10,565	8,429	11,639	Calif., N.C., Colo., Nev.
Uranium ore short tons	6,934,927	141,349	7,970,211	152,188	8,041,329	148,299	7,052,870	138,294	N. Mex., Wyo., Colo., Utah.
Vanadium (recoverable in ore and concentrate) do	3,719	13,278	4,971	17,749	5,343	19,076	5,211	18,605	Colo., Ariz., Utah, Idaho.
Zinc (recoverable content of ores, etc.) do	425,303	97,787	435,427	112,365	464,390	106,848	505,491	116,413	Tenn., Idaho, N.Y., Colo.
Metals, undistributed [10]		21,763		23,078		22,582		35,071	

[1] Includes small quantity of anthracite mined in States other than Pennsylvania.

[2] Grindstones, pulpstones, millstones (weight not recorded), grinding pebbles, sharpening stones, and tube-mill liners.

[3] Figure withheld to avoid disclosing individual company data; value included with "Nonmetallic minerals, undistributed."

[4] Weight not recorded.

[5] Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

[6] Comprises value of items that cannot be disclosed: Brucite (1959), calcium-magnesium chloride, diatomite, epsom salts from epsomite (1961–62), graphite, iodine, kyanite, lithium minerals, greensand marl, olivine, staurolite (1960–62), strontium minerals (1959), wollastonite, and values indicated by footnote reference 3.

[7] Figure withheld to avoid disclosing individual company data; value included with "Metals undistributed."

[8] Includes 805 tons of low-grade beryllium ore in 1961, and 760 tons in 1962.

[9] Excludes quantity and value consumed by American Chrome Company.

[10] Comprises value of items that cannot be disclosed: chromite, magnesium chloride for magnesium metal, manganiferous residuum, platinum-group metals (crude), zirconium concentrate, and values indicated by footnote reference 7.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1007. MINERAL PRODUCTION—VALUE, 1959 TO 1962, AND RANK AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1962, BY STATES

[In thousands of dollars]

STATE	1959	1960	1961	1962		
				Value	Rank	Principal minerals in order of value
United States	17,381,000	18,032,000	18,230,000	18,834,000	------	**Petroleum, natural gas, coal, cement.**
N.E	83,893	91,775	95,844	98,870	------	
Maine	13,739	14,108	15,615	14,947	46	Cement, stone, sand and gravel, clays.
N.H	4,722	5,439	5,466	6,010	48	Sand and gravel, stone, mica, feldspar.
Vt	23,383	22,903	24,296	25,130	44	Stone, asbestos, sand and gravel, talc.
Mass	26,686	28,245	30,789	30,035	43	Sand and gravel, stone, lime, clays.
R.I	2,333	5,727	3,079	2,994	49	Sand and gravel, stone, gem stones.
Conn	13,030	15,353	16,599	19,754	45	Sand and gravel, stone, lime, feldspar.
M.A	1,179,190	1,155,537	1,098,230	1,130,730	------	
N.Y	239,953	260,922	233,833	241,892	18	Cement, stone, salt, sand and gravel.
N.J	59,544	56,469	59,270	65,686	37	Stone, sand and gravel, iron ore, zinc.
Pa	879,693	838,146	805,127	823,152	5	Coal, cement, stone, iron ore.
E.N.C	1,658,012	1,723,306	1,675,552	1,699,145	------	
Ohio	412,484	406,142	382,451	393,671	16	Coal, stone, cement, lime.
Ind	209,145	210,932	201,545	202,330	22	Coal, cement, petroleum, stone.
Ill	*574,914*	*589,874*	*567,393*	*588,335*	*8*	*Petroleum, coal, stone, sand and gravel.*
Mich	388,545	437,598	450,652	446,520	12	Iron ore, cement, petroleum, copper.
Wis	72,924	78,760	73,511	68,289	35	Sand and gravel, stone, cement, iron ore.
W.N.C	1,331,730	1,493,613	1,420,175	1,424,490	------	
Minn	347,367	515,521	450,914	428,936	13	Iron ore, sand and gravel, stone, cement.
Iowa	92,954	99,319	94,998	96,561	30	Cement, stone, sand and gravel, gypsum.
Mo	164,025	162,244	151,288	153,307	27	Cement, stone, lime, coal.
N. Dak	67,342	78,378	84,925	90,572	31	Petroleum, sand and gravel, coal, natural gas liquids.
S. Dak	49,498	47,675	44,007	45,789	41	Gold, sand and gravel, cement, stone.
Nebr	99,335	103,942	105,445	108,249	28	Petroleum, cement, sand and gravel, stone.
Kans	511,209	486,534	488,598	501,076	9	Petroleum, natural gas, cement, stone.
S.A	1,350,502	1,338,939	1,345,457	1,387,592	------	
Del	1,284	989	1,053	1,531	50	Sand and gravel, stone, clays, gem stones.
Md	55,190	57,697	62,858	66,629	36	Stone, cement, sand and gravel, coal.
D.C	75	71	68	74	------	Clays.
Va	227,853	208,880	225,298	222,494	19	Coal, stone, cement, sand and gravel.
W.Va	739,523	722,628	690,250	714,964	6	Coal, natural gas, natural gas liquids, petroleum.
N.C	40,789	45,096	50,124	54,597	38	Stone, sand and gravel, tungsten, feldspar.
S.C	31,287	30,987	31,374	33,901	42	Cement, stone, clays, sand and gravel.
Ga	87,371	92,305	96,311	107,705	29	Clays, stone, cement, sand and gravel.
Fla	167,130	180,286	188,121	185,697	24	Phosphate rock, stone, cement, titanium concentrate.
E.S.C	956,062	981,103	961,958	982,813	------	
Ky	419,644	414,553	383,788	399,518	15	Coal, petroleum, stone, natural gas.
Tenn	143,284	145,538	150,711	154,030	25	Stone, cement, coal, phosphate rock.
Ala	206,456	221,802	218,879	219,837	20	Coal, cement, stone, petroleum.
Miss	186,678	199,210	208,580	209,428	21	Petroleum, natural gas, cement, sand and gravel.
W.S.C	*6,909,165*	*7,059,412*	*7,346,681*	*7,743,370*	------	
Ark	141,833	159,519	148,267	153,785	26	Petroleum, stone, bauxite, sand and gravel.
La	1,768,835	1,990,895	2,168,679	2,445,329	2	Petroleum, natural gas, natural gas liquids, sulfur.
Okla	768,390	782,579	791,777	843,272	4	Petroleum, natural gas, natural gas liquids, cement.
Texas	4,230,107	4,126,419	4,237,958	4,300,984	1	Petroleum, natural gas, natural gas liquids, cement.
Mt	2,316,895	2,606,281	2,680,952	2,709,474	------	
Mont	168,099	179,406	184,233	190,656	23	Petroleum, copper, sand and gravel, zinc.
Idaho	70,392	57,606	69,034	82,575	33	Silver, lead, zinc, sand and gravel.
Wyo	394,372	439,256	466,247	485,777	10	Petroleum, natural gas, uranium, sodium carbonates and sulfates.
Colo	317,572	345,418	346,208	308,115	17	Petroleum, molybdenum, coal, sand and gravel.
N. Mex	*592,812*	*653,766*	*690,913*	*674,064*	*7*	*Petroleum, natural gas, potassium salts, uranium.*
Ariz	328,245	417,225	425,995	474,142	11	Copper, sand and gravel, cement, zinc.
Utah	374,544	432,712	416,789	410,412	14	Copper, petroleum, uranium, coal.
Nev	70,859	80,892	81,533	83,733	32	Copper, sand and gravel, diatomite, lime.
Pac	1,595,694	1,581,490	1,605,020	1,657,267	------	
Wash	65,830	72,404	66,448	68,474	34	Stone, sand and gravel, cement, zinc.
Oreg	50,849	55,772	53,092	52,458	40	Stone, sand and gravel, cement, nickel.
Calif	1,450,876	1,422,087	1,435,737	1,467,295	3	Petroleum, natural gas, cement, sand and gravel.
Alaska	20,495	21,860	34,753	54,196	39	Petroleum, coal, gold, sand and gravel.
Hawaii	7,644	9,367	14,990	14,844	47	Stone, cement, sand and gravel, lime.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1008. Principal Minerals—Net Supply and Components of Gross Supply, 1961 and 1962, and Imports Distributed by Area of Origin, 1962

[In thousands of short tons, except as indicated. Includes Alaska and Hawaii. Net supply is the sum of primary shipments, secondary production, and imports, minus exports. Gross supply is the total before subtraction of exports]

Commodity	Net supply		Gross supply: percent from—						Imports for consumption, 1962: percent from—				
			Primary shipments		Secondary production		Imports						
	1961	1962	1961	1962	1961	1962	1961	1962	Canada and Mexico	East and South Pacific [1]	Other Western Hemisphere	Other free world	U.S.S.R. bloc [2]
Ferrous ores, scrap, and metals:													
Chromite (Cr_2O_3 content)	590	612	5				95	100				97	3
Cobalt (content) ... 1,000 lb.	[3] 10,673	[3] 12,640	(4)	(4)	[5] 2	[5] 2	98	98	3			97	
Iron (equivalent) [6]	90,064	93,762	51	47	[7] 29	[7] 28	20	25	49	13	35	3	(8)
Manganese (content)	1,023	991	4	5			[9] 96	[9] 95	6	1	43	50	
Molybdenum (content) ... 1,000 lb.	33,436	34,762	100	100			(8)	(8)					
Nickel (content)	146	142	9	9	4	4	87	87	92			8	
Tungsten ore and concentrate (W content) ... short tons	4,917	6,447	76	61			[9] 24	[9] 39	9	30	1	60	
Other metallic ores, scrap, and metals:													
Aluminum (equivalent) [10]	2,515	2,711	[11] 10	[11] 9	4	4	[12] 86	[12] 87	7		84	9	
Antimony (recoverable content)	35	37	5	5	56	52	[9] 39	[9] 43	[13] 27	[13] 9		[13] 64	
Cadmium (content) ... short tons	5,196	5,520	[14] 37	[14] 40	(14)	(14)	[9] 63	[9] 60	[15] 89	[15] 5		[15] 6	
Copper (content)	1,602	1,783	57	58	20	20	[9] 23	[9] 22	26	70		4	
Lead (content)	1,113	1,079	23	22	40	41	[9] 37	[9] 37	40	34	3	23	
Mercury ... 76-lb. flasks	52,063	63,515	60	41	16	9	[9] 24	[9] 50	25			75	
Platinum-group metals ... 1,000 troy oz.	951	821	4	3	[16] 8	[16] 15	87	82	47		2	39	11
Tin (content) ... 1,000 long tons	60	58	(8)	(8)	19	20	81	80		4		96	
Titanium concentrates: Rutile, ilmenite and slag (TiO_2 content)	579	571	97	97			103	103	57	42		1	
Zinc (recoverable content)	941	1,064	46	46	6	5	[9] 48	[9] 49	64	18	8	10	
Nonmetallic minerals:													
Asbestos	666	726	8	7			92	93	93	1		6	
Barite, crude	1,407	1,597	57	54			43	46	63	14	2	21	
Fluorspar, finished	714	837	28	25			72	75	75			25	
Gypsum, crude	14,197	12,661	65	57			35	43	86		14		
Mica (except scrap) ... 1,000 lb.	8,382	11,498	6	3			94	97			14	86	
Potash (K_2O equivalent)	2,276	2,556	90	89			10	11	13	1		84	2
Sulfur, all forms (content) [17] ... 1,000 long tons	5,710	5,951	89	88			11	12	100				

[1] Australia, New Caledonia, New Zealand, and West coast of South America (Chile, Ecuador, Peru, and Salvador). [2] Albania, Bulgaria, China, Czechoslovakia, East Germany, Estonia, Hungary, Latvia, Lithuania, North Korea, North Viet-Nam, Poland, Romania, and U.S.S.R. [3] Secondary production and imports only.
[4] Withheld to avoid disclosing individual company data. [5] Consumption of purchased scrap. [6] Includes iron ore, pig iron, and scrap. [7] Receipts of purchased scrap. [8] Less than 0.5 percent. [9] General imports. [10] For 1962, includes 83 percent of mine production (rather than shipments) and imports and 93 percent of alumina imports (88 and 92 percent for 1961), both converted to estimated aluminum equivalent.
[11] Mine production of bauxite.
[12] Includes ingot equivalent (weight times 0.9) of imports of scrap, largely scrap pig.
[13] Excludes antimony from foreign silver and lead ores.
[14] Primary shipments are estimated as a percentage of total primary production of metal, while imports are represented by the sum of the remaining percentage of such production plus imports of metal. Secondary cannot be disclosed and are included with primary.
[15] Metal and flue dust only. [16] Recovery from both old and new scrap.
[17] For pyrites, includes sulfur content (48 percent) of production.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1009. Imports and Exports of Selected Mineral and Metal Products: 1950 to 1963

[Includes trade of Alaska, Hawaii, and Puerto Rico with foreign countries]

Mineral	Quantity					Value ($1,000)			
	Unit	1950	1960	1962	1963	1950	1960	1962	1963
IMPORTS FOR CONSUMPTION									
Fuels: Petroleum, crude	Mil. barrels	174	401	450	455	369,208	895,055	1,011,855	1,024,973
Nonmetallic minerals:									
Asbestos	1,000 short tons	705	669	68	258	47,284	63,345	13,919	25,580
Diamonds:									
Gem	1,000 carats	1,166	2,167	1,882	2,767	102,187	165,555	144,493	223,847
Industrial	1,000 carats	11,198	13,146	12,281	11,775	37,001	51,837	51,040	49,705
Mica	1,000 short tons	19	11	10	13	23,660	8,305	9,772	7,690
Ores and concentrates:									
Bauxite	1,000 long tons	2,516	9,586	11,740	10,203	15,730	78,024	121,889	114,077
Chromite	1,000 short tons	1,304	1,387	1,446	1,391	23,299	24,313	23,700	20,135
Copper	1,000 short tons of metal	94	83	21	20	35,899	49,380	12,083	11,279
Iron ore	1,000 long tons	8,297	34,584	33,413	33,266	44,027	321,939	324,599	323,206
Lead	1,000 short tons of metal	96	138	133	135	21,184	27,911	21,018	21,468
Manganese ore	1,000 short tons	2,017	2,280	1,977	2,398	41,882	82,357	66,214	67,569
Nickel [1]	1,000 short tons of metal	27	30	9	14	18,087	29,937	9,234	14,697
Tin	1,000 long tons of metal	26	14	5	3	47,163	31,104	13,595	3,077
Tungsten	Short tons of metal	8,024	1,762	2,015	1,530	15,309	3,478	2,922	1,579
Metals (incl. scrap): [2]									
Aluminum	1,000 short tons	245	160	317	425	62,517	77,406	131,861	165,721
Copper	1,000 short tons	366	177	136	127	145,344	113,224	80,380	73,671
Lead [3]	1,000 short tons	422	221	263	243	110,644	62,417	45,992	47,273
Nickel	1,000 short tons	64	80	117	109	54,124	116,679	176,970	162,318
Platinum group	1,000 troy ounces	391	650	697	2,102	21,123	31,900	31,144	62,619
Tin [4]	1,000 long tons	86	40	42	45	155,092	87,968	103,753	108,609
Zinc	1,000 short tons	158	122	139	135	39,448	29,829	28,884	28,388
EXPORTS [5]									
Fuels:									
Anthracite	1,000 short tons	3,892	1,440	1,802	3,353	62,502	28,803	24,675	43,669
Bituminous coal	1,000 short tons	25,468	36,541	38,413	47,078	206,545	331,616	351,319	429,864
Petroleum, crude	1,000 barrels	34,824	3,087	1,790	1,697	102,717	8,032	5,086	4,616
Nonmetallic minerals:									
Cement, hydraulic	1,000 barrels	2,418	187	380	460	7,275	1,135	1,853	2,072
Phosphate rock	1,000 short tons	2,052	4,761	4,751	5,166	14,874	37,585	38,886	40,726
Potash material	1,000 short tons	117	833	859	722	5,534	25,926	30,731	25,519
Sulfur [6]	1,000 long tons	1,479	1,787	1,554	1,612	33,200	42,294	37,295	34,588
Metals (incl. scrap): [2]									
Aluminum [7]	Short tons	1,461	364,493	216,731	236,380	353	155,104	86,779	93,244
Copper [7]	1,000 short tons	154	615	386	360	61,281	356,628	223,814	209,725
Iron and steel, scrap [8]	1,000 short tons	217	8,040	5,112	6,364	6,014	241,572	149,037	174,611
Molybdenum [7]	Short tons	73	148	38	70	115	368	70	179
Nickel [7]	Short tons	[9] 3,176	42,633	17,520	49,116	3,219	10,289	4,301	10,120
Zinc [7]	1,000 short tons	19	90	46	37	4,708	20,815	10,260	9,208

[1] Includes matte and oxide.
[2] Excludes semifabricated forms, except as noted.
[3] Includes alloys in chief value of lead.
[4] Includes alloys in chief value of tin.
[5] Includes shipments under foreign aid programs such as UNRRA, interim aid, European recovery, mutual security, and civilian supply.
[6] Includes crude (containing 85 percent or more sulfur), crushed, ground, refined, sublimed, and flowers.
[7] Includes alloys.
[8] Includes tin plated and terne plated scrap.
[9] Includes some semifabricated forms.

Source: Dept. of Commerce, Bureau of the Census; unpublished data.

No. 1010. Strategic and Critical Materials on Hand and on Order: 1963

[**In thousands of dollars.** As of December 31. Data indicate the acquisition cost and current market value of inventories on hand and on order of strategic and critical materials essential to military and industrial requirements in time of national emergency. Nonstockpile materials comprise materials in Government inventories not having stockpile objectives or not meeting stockpile specifications. "P.L." means Public Law]

ITEM	TOTAL INVENTORIES				INVENTORIES EXCESS TO STOCKPILE OBJECTIVES			
	On hand		On order		On hand		On order	
	Acquisition cost	Market value	Acquisition cost	Market value	Acquisition cost	Market value	Acquisition cost	Market value
Total	**8,592,884**	**7,581,438**	**80,994**	**90,279**	**4,953,992**	**4,108,632**	**77,205**	**85,911**
Stockpile grade	8,016,059	7,317,590	75,217	84,466	4,377,167	3,844,784	71,428	80,098
Nonstockpile mat rials	576,825	263,848	5,777	5,813	576,825	263,848	5,777	5,813
National stockpile (P.L. 520)	5,756,516	5,487,402	320	292	2,540,322	2,330,739	----	----
Stockpile grade	5,621,778	5,410,790	320	292	2,405,584	2,254,127	----	----
Nonstockpile materials	134,738	76,612	----	----	134,738	76,612	----	----
Defense Production Act (P.L. 774)	1,483,573	868,171	9,805	12,176	1,276,485	770,624	9,805	12,176
Stockpile grade	1,111,411	745,952	9,805	12,176	904,323	648,405	9,805	12,176
Nonstockpile materials	372,162	122,219	----	----	372,162	122,219	----	----
Supplemental stockpile (P.L. 480) [1]	1,329,120	1,203,003	----	----	1,125,552	995,282	----	----
Stockpile grade	1,268,236	1,147,128	----	----	1,064,668	939,407	----	----
Nonstockpile materials	60,884	55,875	----	----	60,884	55,875	----	----
Commodity Credit Corporation (P.L. 480)	23,675	22,862	70,869	77,811	11,633	11,987	67,400	73,735
Stockpile grade	14,634	13,720	65,092	71,998	2,592	2,845	61,623	67,922
Nonstockpile materials	9,041	9,142	5,777	5,813	9,041	9,142	5,777	5,813

[1] Includes transfer of $27.5 million from Dept. of the Interior inventory acquired under Public Law 733.

Source: General Services Administration; unpublished data.

No. 1011. Strategic and Critical Materials—Defense Production Act Purchases, Inventory, and Operating Costs: 1950 to 1963

[**In thousands of dollars.** Covers period December 1950–December 1963, except as noted. See also headnote, table 1010]

COMMODITY	Total purchases	December 31, 1963, inventory at cost	SALES FROM INVENTORY		Operating expense	December 31, 1963, market value of inventory
			Received from sales	Government cost		
Total	**2,692,616**	**1,484,307**	**1,120,344**	**1,208,309**	**78,897**	**867,773**
Aluminum (pig)	647,515	429,645	216,617	217,870	19	391,835
Aluminum subsidy (power)	----	----	----	----	19,108	----
Aluminum (sheet)	4,783	----	5,036	4,783	75	----
Asbestos	2,103	2,103	----	----	44	1,428
Bauxite	25,304	18,168	7,085	7,136	77	16,003
Beryllium	1,966	1,426	427	541	202	854
Bismuth	52	52	----	----	----	52
Chrome	38,584	35,880	2,468	2,704	572	14,382
Cobalt	56,660	52,075	3,996	4,585	113	38,044
Columbium-tantalum	79,789	60,673	11,069	19,116	999	11,006
Columbium-tantalum subsidy	----	----	----	----	6,277	----
Copper	135,439	57,221	84,114	78,218	433	63,431
Copper subsidy	----	----	----	----	1,885	----
Cryolite	15,339	6,848	5,464	8,490	198	3,224
Fluorspar	14,962	1,394	10,279	13,568	45	806
Graphite	178	----	29	177	51	----
Lubricating graphite development	----	----	----	----	174	----
Lead	15,147	1,137	12,781	14,010	253	743
Magnesium	122,755	----	110,860	122,755	3,722	----
Manganese	226,349	179,000	29,618	47,349	5,342	67,424
Mercury	6,803	----	6,826	6,803	11	----
Mica	53,137	41,382	3,952	11,755	1,489	19,308
Molybdenum	39,890	----	38,457	39,890	75	----
Nickel-Nicaro	146,818	1	178,746	146,817	87	1
Nickel-other	305,168	101,274	155,189	203,894	31,574	77,929
Rutile	----	----	----	----	1,258	----
Scrap (nonferrous)	533	----	426	533	----	----
Selenium	----	----	----	----	228	----
Tin	176,593	----	175,025	176,593	17	----
Titanium	184,171	178,823	4,614	5,348	2,427	57,049
Tungsten	364,860	317,205	35,597	47,656	2,049	104,254
Zinc	27,718	----	21,669	27,718	93	----

Source: General Services Administration; unpublished data.

No. 1012. Mineral Industries—

[In thousands, except number of employees and workers. Excludes Alaska and Hawaii. Excludes "N.e.c." means not elsewhere classified. See also

	MINERAL INDUSTRY	VALUE OF SHIPMENTS [1]		ALL EMPLOYEES			
				Number [2]		Payroll [3]	
		1954	1958	1954	1958	1954	1958
1	**All industries**	[7] $15,489,383	$18,089,834	785,708	732,632	$3,385,722	$3,740,288
2	**Metal mining**	[7] 1,506,238	1,835,845	100,250	92,501	463,025	487,786
3	Iron ores	547,218	681,938	34,170	31,576	156,909	174,387
4	Copper ores	508,729	457,644	27,813	27,642	136,065	143,501
5	Lead and zinc ores	175,947	120,561	16,566	11,227	71,363	54,397
6	Lead ores	94,874	75,603	8,720	6,883	39,002	33,759
7	Zinc ores	81,073	44,958	7,846	4,344	32,361	20,638
8	Gold and silver ores	46,581	48,389	4,831	3,939	20,618	19,994
9	Lode gold	28,517	29,506	3,020	2,586	12,269	12,447
10	Placer gold	5,916	6,326	556	364	2,311	1,790
11	Silver ores	12,148	12,557	1,255	989	6,038	5,757
12	Bauxite	16,819	18,174	852	705	3,581	3,606
13	Ferroalloy ores	153,671	111,521	8,078	5,438	38,535	26,711
14	Manganese ores	32,398	39,385	2,604	2,099	9,292	9,036
15	Tungsten ores	60,737	14,430	2,987	638	14,758	2,907
16	Ferroalloy ores, n.e.c	60,536	57,706	2,487	2,701	14,485	14,768
17	Metal mining services	38,679	32,384	3,059	2,184	15,268	12,097
18	Miscellaneous metal ores	[7] 18,594	365,234	4,881	9,790	20,686	53,093
19	Titanium ores	12,750	17,158	843	962	3,699	4,496
20	Uranium-radium-vanadium ores	n.a.	336,451	3,467	7,939	14,568	44,422
21	Mercury ores and metallic ores, n.e.c	5,844	11,625	571	889	2,419	4,175
22	**Anthracite mining**	408,431	325,128	37,462	22,813	135,929	93,396
23	Anthracite	365,536	290,342	32,769	19,712	118,070	79,473
24	Anthracite mining services	42,895	34,786	4,693	3,101	17,859	13,923
25	**Bituminous coal and lignite mining**	2,068,183	2,423,361	218,833	187,706	874,305	912,784
26	Bituminous coal	2,040,200	2,390,677	216,813	185,676	865,649	902,759
27	Lignite	10,387	11,035	574	510	2,588	2,693
28	Bituminous coal and lignite mining services	17,596	21,649	1,446	1,520	6,068	7,332
29	**Oil and gas extraction**	[8] 9,924,339	11,636,887	315,735	312,800	1,462,443	1,699,420
30	Crude petroleum and natural gas	7,070,097	8,385,906	172,506	180,040	835,740	1,042,186
31	Crude petroleum	6,642,452	7,809,898	161,282	164,723	790,946	965,858
32	Natural gas	427,645	576,008	11,224	15,317	44,794	76,328
33	Natural gas liquids	[9] 640,422	1,625,098	17,340	16,514	85,057	96,319
34	Oil and gas field services	1,631,020	1,625,883	125,889	116,246	541,646	560,915
35	Drilling oil and gas wells	972,745	904,939	67,976	59,411	304,312	289,243
36	Oil and gas exploration services	114,815	87,215	11,488	9,557	49,467	43,649
37	Oil and gas field services, n.e.c	543,460	633,729	46,425	47,278	187,867	228,023
38	**Nonmetallic minerals mining**	1,582,192	1,868,613	113,428	116,812	450,020	546,902
39	Dimension stone [10]	18,945	15,864	3,224	2,306	8,625	7,121
40	Crushed and broken stone [11]	466,238	616,076	37,471	41,404	145,472	188,401
41	Sand and gravel [11]	466,015	560,806	36,466	37,048	147,313	172,326
42	Clay and related minerals [11]	103,768	122,738	8,232	8,773	26,504	36,157
43	Chemical and fertilizer minerals	457,586	464,612	21,609	20,556	99,391	115,976
44	Barite	18,269	13,768	1,125	929	3,874	3,402
45	Fluorspar	15,461	19,977	1,260	1,235	4,866	5,616
46	Potash, soda, and borate minerals	107,757	141,115	6,322	6,661	33,439	41,067
47	Phosphate rock	117,976	132,094	5,440	5,393	21,529	27,210
48	Rock salt	35,658	41,813	1,925	1,984	8,571	10,996
49	Sulfur	140,685	106,202	4,095	3,677	21,186	24,570
50	Chemical and fertilizer mineral mining, n.e.c	21,780	9,643	1,442	677	5,926	3,115
51	Nonmetallic minerals, services	6,571	7,934	639	1,109	2,327	3,522
52	Miscellaneous nonmetallic minerals [11]	63,069	80,583	5,787	5,616	20,388	23,399

n.a. Not available.
[1] 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.
[2] Excludes proprietors and firm members of unincorporated concerns.
[3] Gross earnings paid to all employees on payroll.
[4] Represents employees up through the working foreman level engaged in manual work.
[5] Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent).
[6] 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.

SUMMARY: 1954 AND 1958

establishments for which both value of production and expenditures amounted to less than $500. *Historical Statistics, Colonial Times to 1957*, series M 1-12]

PRODUCTION AND DEVELOPMENT WORKERS [4]						VALUE ADDED IN MINING [6]		CAPITAL EXPENDITURES		
Number		Man-hours [5]		Wages						
1954	1958	1954	1958	1954	1958	1954	1958	1954	1958	
647,141	564,281	1,248,898	1,077,864	$2,572,297	$2,616,273	[7] $11,546,418	$13,381,494	$2,723,756	$2,797,810	1
81,896	71,402	168,346	136,750	353,303	356,209	[7] 1,075,519	1,187,327	221,067	214,291	2
28,216	23,659	53,288	41,737	119,688	120,618	435,668	500,232	84,978	42,749	3
21,544	20,898	46,676	41,021	98,491	106,357	334,876	266,485	82,210	44,874	4
13,592	8,728	27,554	16,734	53,676	39,001	107,409	73,679	11,520	8,619	5
7,156	5,460	14,654	10,397	29,549	24,843	62,713	48,023	5,160	4,496	6
6,436	3,268	12,900	6,337	24,127	14,158	44,696	25,656	6,360	4,123	7
4,200	3,411	9,363	7,071	17,406	17,064	35,354	37,896	3,747	3,224	8
2,634	2,234	5,894	4,602	10,406	10,709	21,884	22,659	2,177	1,728	9
501	323	1,255	723	1,997	1,515	3,614	4,873	504	340	10
1,065	854	2,214	1,746	5,003	4,840	9,856	10,364	1,066	1,156	11
661	502	1,288	905	2,529	2,290	12,827	15,430	310	1,408	12
6,838	4,380	15,122	8,335	31,330	19,455	107,399	74,255	15,519	6,545	13
2,266	1,792	4,293	3,475	7,643	7,244	18,118	20,014	3,264	2,190	14
2,635	508	6,327	977	13,148	1,993	40,744	8,164	6,326	122	15
1,937	2,080	4,502	3,883	10,539	10,218	48,537	46,077	5,929	4,233	16
2,863	1,973	6,519	4,274	13,933	10,624	26,703	22,862	2,400	1,263	17
3,982	7,851	8,536	16,673	16,250	40,800	[7] 15,283	196,488	20,383	105,609	18
568	706	1,261	1,234	2,397	2,882	11,134	12,746	3,998	2,483	19
2,944	6,389	6,227	13,873	11,908	34,439	n.a.	174,802	14,793	101,565	20
470	756	1,048	1,566	1,945	3,479	4,149	8,940	1,592	1,561	21
33,026	20,047	48,266	30,867	113,932	79,425	196,835	164,489	10,494	16,591	22
28,823	17,266	42,061	26,409	98,678	67,449	167,090	142,198	7,884	12,804	23
4,203	2,781	6,205	4,458	15,254	11,976	29,745	22,291	2,610	3,787	24
199,655	163,533	325,769	267,699	764,863	760,364	1,418,384	1,609,964	118,811	188,195	25
197,819	161,711	322,410	264,308	757,175	751,584	1,396,774	1,585,541	115,761	183,967	26
505	437	901	844	2,177	2,261	9,093	9,309	639	1,432	27
1,331	1,385	2,458	2,547	5,511	6,519	12,517	15,114	2,411	2,796	28
235,483	213,935	491,718	440,102	976,595	1,010,679	[8] 7,673,694	9,035,289	2,226,316	2,189,735	29
109,792	102,445	216,581	200,930	459,955	497,571	6,129,213	7,339,922	1,898,454	1,943,493	30
101,542	92,358	201,086	181,246	430,497	452,947	5,741,256	6,823,328	1,770,683	1,707,233	31
8,250	10,087	15,495	19,684	29,458	44,624	387,957	516,594	127,771	236,260	32
13,560	13,445	27,862	26,947	63,983	75,739	n.a.	587,580	109,959	94,930	33
112,131	98,045	247,275	212,225	452,657	437,369	1,118,544	1,107,787	217,903	151,312	34
62,145	52,274	133,216	109,470	264,797	239,328	623,967	587,440	153,468	102,018	35
10,010	7,559	23,978	16,695	40,813	31,115	81,301	64,353	6,742	7,082	36
39,976	38,212	90,081	86,060	147,047	166,926	413,276	455,994	57,693	42,212	37
97,081	95,364	214,799	202,446	363,604	409,596	1,181,986	1,384,425	147,068	188,998	38
3,068	2,055	5,893	3,690	7,938	6,067	15,155	13,076	947	1,201	39
33,178	34,865	75,680	75,632	122,733	147,266	338,418	445,788	45,009	68,720	40
30,533	30,630	70,103	66,480	118,966	134,441	356,729	434,468	46,087	56,562	41
7,463	7,298	15,377	14,897	22,490	26,880	78,449	87,368	9,062	13,197	42
17,295	14,832	36,418	30,405	73,324	74,527	340,520	335,153	37,641	39,130	43
1,036	781	2,403	1,588	3,451	2,698	14,051	11,321	1,012	973	44
997	1,044	2,001	2,105	3,451	4,336	9,914	12,653	749	1,566	45
4,738	4,590	9,381	9,212	23,028	26,746	82,213	111,082	9,056	11,393	46
4,579	3,955	10,119	8,255	17,089	17,185	62,089	64,375	11,338	5,702	47
1,659	1,602	3,861	3,508	7,117	7,937	30,013	34,073	2,186	2,607	48
3,077	2,303	6,229	4,644	14,619	13,267	124,166	94,063	8,845	16,282	49
1,209	557	2,424	1,093	4,569	2,358	18,074	7,586	4,455	607	50
614	1,037	1,258	1,893	2,214	3,038	4,884	6,217	381	848	51
4,930	4,647	10,070	9,449	15,939	17,377	47,831	62,355	7,941	9,340	52

[7] Excludes figures for uranium-radium-vanadium ores industry (not available).
[8] For 1954, data were collected on the quantity but not on the cost of gas received for processing and on the value of residue gas shipped. Such costs have been estimated and included in group totals.
[9] Excludes the value of residue gas shipped.
[10] Excludes data for dimension stone quarries operated in conjunction with dressing plants.
[11] Excludes data for mining included in establishments classified in manufacturing industries.

Source: Dept. of Commerce, Bureau of the Census; *Census of Mineral Industries: 1958.*

No. 1013. Employment in Mineral Industries, by Industry Group: 1940 to 1962

[Man-days and man-hours in thousands. Excludes Alaska and Hawaii, except as noted. Excludes data on iron smelting and steel industries]

ITEM	1940	1950	1955	1959	1960	1961	1962 [1]
Men working daily [2]	801,926	1,237,649	1,122,393	1,106,534	1,045,111	951,378	910,959
Coal mines [3]	533,267	483,239	260,089	203,597	189,679	167,568	161,286
Anthracite (Pennsylvania)	92,420	74,616	34,550	23,294	19,051	15,792	14,010
Bituminous and lignite	440,847	408,623	225,539	180,303	170,628	151,776	147,276
Coke	19,962	24,347	20,681	16,645	16,463	13,534	13,080
Beehive	2,493	3,405	1,084	780	684	428	357
Slot-type	17,469	20,942	19,597	15,865	15,779	13,106	12,723
Petroleum and natural gas	(4)	517,787	617,274	559,244	511,107	452,721	469,256
Peat	(5)	(5)	(5)	467	576	765	683
Asphalt and related bitumens [6]	(7)	(7)	(7)	(7)	445	383	358
Metal mines [3]	110,340	68,292	65,143	58,557	60,595	54,251	50,409
Nonmetal mines [3 8]	9,780	11,977	14,504	18,765	18,653	18,281	16,156
Sand and gravel operations	(5)	(5)	(5)	59,492	52,352	55,726	39,700
Stone quarries [9]	79,509	85,730	78,238	91,523	95,304	91,371	80,685
Slag (iron-blast furnace)	(5)	(5)	(5)	1,789	1,680	1,682	1,462
Metallurgical plants [10]	49,068	46,277	57,741	55,655	58,689	56,065	47,319
Ore-dressing plants	----------	14,956	17,631	19,423	22,529	20,518	18,769
Nonferrous reduction plants and smelters	----------	31,321	40,110	36,232	36,160	35,547	28,550
Nonmetal mills	(11)	(11)	8,723	40,800	39,568	39,031	30,565
Man-days worked	175,665	n.a.	286,783	n.a.	n.a.	n.a.	n.a.
Coal mines [3]	106,239	91,231	53,591	37,773	35,778	32,551	31,716
Anthracite (Pennsylvania)	17,468	15,721	6,285	4,036	3,360	3,098	2,853
Bituminous and lignite	88,771	75,510	47,306	33,738	32,417	29,453	28,863
Coke	6,774	8,292	7,279	5,467	5,768	4,791	4,691
Beehive	466	714	195	113	95	84	68
Slot-type	6,308	7,578	7,085	5,354	5,673	4,707	4,623
Petroleum and natural gas	(4)	n.a.	162,877	n.a.	n.a.	n.a.	n.a.
Peat	(5)	(5)	(5)	83	97	120	116
Asphalt and related bitumens [6]	(7)	(7)	(7)	(7)	117	98	100
Metal mines [3]	26,631	18,522	17,113	12,503	14,910	13,416	12,704
Nonmetal mines [3 8]	2,416	3,512	3,836	4,488	4,515	4,347	3,879
Sand and gravel operations	(5)	(5)	(5)	n.a.	n.a.	12,117	8,456
Stone quarries [9]	19,121	23,346	21,470	n.a.	n.a.	23,524	20,807
Slag (iron-blast furnace)	(5)	(5)	(5)	455	n.a.	415	362
Metallurgical plants [10]	14,484	14,539	18,150	16,095	18,149	17,669	14,855
Ore-dressing plants	----------	4,348	4,935	4,808	6,689	6,186	5,697
Nonferrous reduction plants and smelters	----------	10,191	13,214	11,287	11,459	11,483	9,158
Nonmetal mills	(11)	(11)	2,467	11,195	10,679	10,471	7,742
Man-hours worked	1,385,128	2,340,956	2,290,058	2,194,902	2,082,521	1,913,481	1,835,829
Coal mines [3]	840,416	711,390	419,379	296,031	281,528	255,296	248,946
Anthracite (Pennsylvania)	122,447	116,554	45,995	29,371	24,452	22,424	20,680
Bituminous and lignite	717,969	594,836	373,384	266,660	257,075	232,871	228,267
Coke	53,624	65,861	58,164	43,626	46,066	38,306	37,502
Beehive	3,273	5,268	1,453	844	712	645	533
Slot-type	50,351	60,593	56,710	42,782	45,353	37,661	36,969
Petroleum and natural gas	(4)	1,081,519	1,303,014	1,185,146	1,063,332	951,743	984,172
Peat	(5)	(5)	(5)	738	866	1,038	977
Asphalt and related bitumens [6]	(7)	(7)	(7)	(7)	948	792	800
Metal mines [3]	211,740	147,765	136,950	100,576	119,653	107,678	102,090
Nonmetal mines [3 8]	18,988	28,456	31,093	36,334	36,805	35,517	31,681
Sand and gravel operations	(5)	(5)	(5)	109,830	95,749	101,707	72,890
Stone quarries [9]	147,244	189,535	175,775	199,321	202,366	192,705	172,109
Slag (iron-blast furnace)	(5)	(5)	(5)	3,681	3,613	3,361	2,927
Metallurgical plants [10]	113,116	116,430	145,840	128,913	145,210	141,415	118,073
Ore-dressing plants	----------	34,815	39,837	38,621	53,638	49,552	44,859
Nonferrous reduction plants and smelters	----------	81,615	106,004	90,291	91,572	91,862	73,213
Nonmetal mills	(11)	(11)	19,843	90,706	86,386	83,925	63,662

n.a. Not available.

[1] Preliminary except for anthracite and bituminous coal, coke, petroleum and natural gas, peat, native asphalt, and slag.

[2] Average number of men at work each day mine was active. Because absenteeism and labor turnover are taken into consideration, this number is lower than number of men available for work as measured by a count of names on payroll.

[3] Includes Alaska. [4] Data on petroleum and natural gas not available prior to 1942.

[5] Not available prior to 1957. Slag (iron-blast furnace) not available prior to 1958.

[6] Native. [7] Separate data not available prior to 1960.

[8] Beginning 1955, includes clay mines, not available for prior years. Beginning 1959, includes Alaska and Hawaii.

[9] Includes manufacture of cement and lime: Beginning 1959, includes Alaska and Hawaii.

[10] Separate data not available for ore-dressing plants and nonferrous reduction plants and smelters prior to 1942.

[11] Data on nonmetal mills not available prior to 1955. Data on clay mills not available prior to 1956.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1014. Injuries in Mineral Industries, by Industry Group: 1940 to 1962

[Excludes Alaska and Hawaii, except as noted. Excludes data on iron smelting and steel industries. See also *Historical Statistics, Colonial Times to 1957*, series M 259–274]

ITEM	1940	1950	1955	1959	1960	1961	1962 [1]
Fatal injuries	1,716	752	729	597	603	542	645
Coal mines [2]	1,388	643	420	293	325	294	289
Anthracite (Pennsylvania)	184	93	60	47	35	19	26
Bituminous and lignite	1,204	550	360	246	290	275	263
Coke	15	14	9	3	3	3	11
Petroleum and natural gas [3]	(4)	109	135	120	82	111	121
Peat	(5)	(5)	(5)	1			
Asphalt and related bitumens [6]	(7)	(7)	(7)	(7)	1	1	
Metal mines [2]	209	84	79	73	84	50	61
Nonmetal mines [2 8]	14	19	19	11	19	15	14
Sand and gravel	(5)	(5)	(5)	21	25	21	52
Stone quarries [9]	72	54	53	52	39	32	65
Slag (iron-blast furnace)	(5)	(5)	(5)	1			
Metallurgical plants	18	29	11	11	12	9	23
Nonmetal mills	(10)	(10)	3	11	13	6	9
Nonfatal injuries	80,856	66,729	46,197	37,750	36,044	34,173	31,718
Coal mines [2]	57,776	37,264	18,885	12,163	11,902	11,197	10,944
Anthracite (Pennsylvania)	13,782	8,874	2,919	1,723	1,401	1,295	1,161
Bituminous and lignite	43,994	28,390	15,966	10,440	10,501	9,902	9,783
Coke	544	780	325	222	223	193	252
Beehive	144	264	45	39	46	26	15
Slot-type	400	516	280	183	177	167	237
Petroleum and natural gas [3]	(4)	13,500	13,038	10,543	9,110	8,697	9,336
Peat	(5)	(5)	(5)	14	24	17	19
Asphalt and related bitumens [6]	(7)	(7)	(7)	(7)	38	30	13
Metal mines [2]	13,940	6,611	5,837	3,281	3,794	3,669	3,201
Nonmetal mines [2 8]	826	1,238	1,156	1,072	1,056	861	924
Sand and gravel	(5)	(5)	(5)	2,161	1,919	1,814	1,542
Stone quarries [9]	5,188	4,762	3,811	4,790	4,668	4,280	2,872
Slag (iron-blast furnace)	(5)	(5)	(5)	43	34	30	29
Metallurgical plants	2,582	2,574	2,694	1,305	1,482	1,705	1,336
Nonmetal mills	(10)	(10)	451	2,156	1,794	1,680	1,250
Injury rates per million man-hours:							
Fatal injuries	1.24	0.41	0.32	0.27	0.29	0.28	0.35
Coal mines [2]	1.65	0.90	1.00	0.99	1.15	1.15	1.16
Anthracite (Pennsylvania)	1.50	0.80	1.30	1.60	1.43	0.85	1.26
Bituminous and lignite	1.68	0.92	0.96	0.92	1.13	1.18	1.15
Coke	0.28	0.21	0.15	0.07	0.07	0.08	0.29
Petroleum and natural gas [3]	(4)	0.10	0.10	0.10	0.08	0.12	0.12
Peat	(5)	(5)	(5)	1.36			
Asphalt and related bitumens [6]	(7)	(7)	(7)	(7)	1.06	1.26	
Metal mines [2]	0.99	0.57	0.58	0.73	0.70	0.46	0.60
Nonmetal mines [2 8]	0.74	0.67	0.61	0.30	0.52	0.42	0.44
Sand and gravel	(5)	(5)	(5)	0.19	0.26	0.21	0.71
Stone quarries [9]	0.49	0.28	0.30	0.26	0.19	0.17	0.38
Slag (iron-blast furnace)	(5)	(5)	(5)	0.27			
Metallurgical plants	0.16	0.25	0.08	0.09	0.08	0.06	0.19
Nonmetal mills	(10)	(10)	0.15	0.12	0.15	0.07	0.14
Nonfatal injuries	58.37	28.51	20.17	17.20	17.31	17.86	17.41
Coal mines [2]	68.75	52.38	45.03	41.09	42.28	43.86	43.96
Anthracite (Pennsylvania)	112.55	76.14	63.46	58.66	57.30	57.75	56.14
Bituminous and lignite	61.28	47.73	42.76	39.15	40.85	42.52	42.86
Coke	10.14	11.84	5.59	5.09	4.84	5.04	6.72
Beehive	44.00	50.11	30.96	46.20	64.57	40.33	28.14
Slot-type	7.94	8.52	4.94	4.28	3.90	4.43	6.41
Petroleum and natural gas [3]	(4)	12.48	10.01	8.90	8.57	9.14	9.49
Peat	(5)	(5)	(5)	18.97	27.72	16.38	19.46
Asphalt and related bitumens [6]	(7)	(7)	(7)	(7)	40.10	37.90	16.25
Metal mines [2]	65.84	44.74	42.62	32.62	31.71	34.07	31.35
Nonmetal mines [2 8]	43.50	43.51	37.18	29.50	28.69	24.24	29.17
Sand and gravel	(5)	(5)	(5)	19.68	20.04	17.84	21.16
Stone quarries [9]	35.23	25.12	21.68	24.03	23.07	22.21	16.69
Slag (iron-blast furnace)	(5)	(5)	(5)	11.68	9.41	8.93	9.91
Metallurgical plants	22.83	22.11	18.47	10.12	10.21	12.06	11.32
Nonmetal mills	(10)	(10)	22.73	23.77	20.77	20.02	19.64

[1] Preliminary except for anthracite and bituminous coal, coke, petroleum and natural gas, peat, native asphalt and slag.
[2] Includes Alaska.
[3] Beginning 1955, number of fatalities and permanent total injuries at petroleum and natural gas operations are combined. Fatal-frequency rates 1955–1962 include an unknown number of permanent total injuries which cannot be separated from fatal injuries.
[4] Data on petroleum and natural gas not available prior to 1942.
[5] Not available prior to 1957. Slag (iron-blast furnace) not available prior to 1958.
[6] Native. [7] Separate data not available prior to 1960.
[8] Beginning 1955, includes clay mines; not available for prior years. Beginning 1959, includes Alaska and Hawaii.
[9] Includes manufacture of cement and lime. Beginning 1959, includes Alaska and Hawaii.
[10] Data on nonmetal mills not available prior to 1955. Data on clay mills not available prior to 1956.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1015. Coal—Production, Consumption, Imports, and Exports: 1940 to 1962

[**Quantities in thousands of short tons and values in thousands of dollars, except as indicated.** Includes coal consumed at mines. See also *Historical Statistics, Colonial Times to 1957*, series M 88-108 and M 118-132]

ITEM	1940	1950	1955	1959	1960	1961	1962
Total coal production:							
Quantity	512,257	560,388	490,839	432,677	434,329	420,423	439,043
Value	1,084,817	2,892,772	2,298,480	2,137,927	2,097,541	1,984,900	2,025,648
BITUMINOUS COAL [1]							
Production:							
Quantity	460,772	516,311	464,633	412,028	415,512	402,977	422,149
Value, total	879,327	2,500,374	2,092,383	1,965,607	1,950,425	1,844,563	1,891,554
Average per ton	$1.91	$4.84	$4.50	$4.77	$4.69	$4.58	$4.48
Exports:							
Quantity	16,466	25,468	51,277	37,253	36,541	34,970	38,413
Value	60,832	206,545	n.a.	349,521	331,616	319,034	351,319
Imports:							
Quantity	372	347	337	375	260	164	232
Value	1,501	2,369	n.a.	2,433	1,844	1,360	1,853
Consumption	430,910	454,202	423,412	366,256	380,429	374,405	387,774
Number of mines	6,324	9,429	7,856	7,719	7,865	7,648	7,740
Average number of men employed [2]	439,075	415,582	225,093	179,636	169,400	150,474	143,822
Calculated capacity at 280 days per year [3] (millions of net tons)	639	790	620	614	609	585	594
Average number of days worked	202	183	210	188	191	193	199
Average tons per man:							
Per day	5.19	6.77	9.84	12.22	12.83	13.87	14.72
Per year	1,049	1,239	2,064	2,294	2,453	2,678	2,935
Percent underground production:							
Cut by machines	88.4	91.8	88.1	72.1	67.8	64.7	63.3
Mechanically loaded	35.4	69.4	84.6	86.0	86.3	86.3	85.7
Percent total production:							
Mechanically cleaned	22.2	38.5	58.7	65.5	65.7	65.7	64.3
Mined by stripping	9.2	23.9	24.8	29.4	29.5	30.3	30.9
ANTHRACITE (PA.) [4]							
Production:							
Quantity	51,485	44,077	26,205	20,649	18,817	17,446	16,894
Value, total	205,490	392,398	206,097	172,320	147,116	140,338	134,094
Average per ton	$3.99	$8.90	$7.86	$8.35	$7.82	$8.04	$7.94
Exports:							
Quantity	2,668	3,892	3,152	1,788	1,440	1,435	1,869
Value	21,210	62,502	48,429	28,931	22,803	20,681	25,666
Imports:							
Quantity	135	18	(5)	3	1	1	8
Value	976	255	1	22	16	10	63
Consumption (apparent)	49,000	39,900	23,600	18,800	17,600	15,900	15,000
Average number of men employed	91,313	72,624	[6] 33,523	23,294	19,051	15,792	14,010
Average number of days worked	186	211	[6] 197	173	176	196	204
Average tons per man:							
Per day	3.02	2.83	[6] 396	5.12	5.60	5.63	5.92
Per year	562	597	[6] 780	886	986	1,103	1,208
Quantity cut by machines	1,816	612	394	261	226	236	278
Quantity mined by stripping	6,353	11,834	7,704	7,096	7,112	7,247	6,822
Quantity loaded mechanically underground	12,326	12,336	6,661	4,701	4,044	3,378	3,065
World production, bituminous coal, lignite, and anthracite	1,983,057	1,997,388	2,352,668	2,776,737	2,902,259	2,880,041	[7] 2,953,237

n.a. Not available. [1] Data relate to mines having output of 1,000 tons a year or more, including lignite and small output of anthracite produced outside Pennsylvania. Includes Alaska.
[2] Beginning 1950, average number of men working daily.
[3] Capacity of active mines with existing labor force, derived on basis of average output per day.
[4] Beginning 1950, production data include some bootleg coal purchased by anthracite industry for preparation and shipment to market. Data on employment, however, exclude such purchased coal, as complete employment data on "bootleg" holes are not available. Data for 1940 and 1950 not strictly comparable with later years.
[5] Less than 500 tons.
[6] Estimated.
[7] Preliminary.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1016. Coal—Production, by States: 1941 to 1962

[In thousands of short tons. Includes coal consumed at mines]

STATE	1941–1945, avg.	1946–1950, avg.	1951–1955, avg.	1956–1960, avg.	1955	1959	1960	1961	1962
Total	636,037	595,972	496,725	469,288	490,839	432,677	434,329	420,423	439,043
Anthracite (Pa.)	59,195	52,323	33,898	22,975	26,205	20,649	18,817	17,446	16,894
Bituminous and lignite	576,842	543,649	462,827	446,313	464,633	412,028	415,512	402,977	422,149
Alabama	17,783	16,278	12,176	12,413	13,088	11,947	13,011	12,915	12,880
Alaska	287	396	670	742	640	660	722	737	871
Arkansas	1,821	1,459	762	462	578	441	409	395	256
Colorado	7,830	5,360	3,554	3,394	3,568	3,294	3,607	3,678	3,379
Illinois	68,442	60,034	46,781	46,090	45,932	45,466	45,977	45,246	48,487
Indiana	25,216	21,500	16,232	15,659	16,149	14,804	15,538	15,106	15,709
Iowa	2,569	1,752	1,371	1,219	1,258	1,180	1,068	927	1,130
Kansas	3,654	2,386	1,564	823	742	772	888	664	915
Kentucky	64,020	74,791	66,426	69,038	69,020	62,810	66,847	63,032	69,212
Maryland	1,854	1,406	528	769	512	842	748	757	821
Missouri	3,947	3,720	2,873	2,898	3,232	2,748	2,890	2,938	2,896
Montana	4,245	3,017	1,805	444	1,247	345	313	371	382
New Mexico	1,600	1,164	476	171	201	148	295	412	677
North Dakota	2,447	2,901	[1] 2,423	2,526	3,102	2,413	2,525	2,726	2,733
Ohio	32,190	35,458	35,847	35,379	37,870	35,112	33,957	32,226	34,125
Oklahoma	2,623	3,046	2,133	1,740	2,164	1,525	1,342	1,031	1,048
Pennsylvania	138,876	120,441	89,680	74,839	85,713	65,347	65,425	62,652	65,315
Tennessee	7,184	5,520	5,923	7,086	7,053	5,913	5,931	5,860	6,213
Utah	6,012	6,613	6,025	5,642	6,296	4,545	4,955	5,159	4,297
Virginia	19,121	17,190	20,399	28,400	23,508	29,769	27,838	30,332	29,474
Washington	1,641	1,020	724	311	610	242	228	191	235
West Virginia	154,335	151,153	138,858	134,167	139,168	119,692	118,944	113,071	118,499
Wyoming	8,664	6,889	4,704	2,060	2,927	1,977	2,024	2,529	2,569
Other States	481	155	[1] 893	40	55	36	30	22	26

[1] North Dakota included with "Other States" in 1954 to avoid disclosure of individual operations.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1017. Consumption of Bituminous Coal and Lignite, by Consumer Class: 1940 to 1963

[In thousands of short tons. Includes Alaska. See also *Historical Statistics, Colonial Times to 1957*, series M 108-116]

YEAR	Total	Electric power utilities [1]	Bunker, foreign and lake vessels [2]	Railroads (class I) [3]	MANUFACTURING AND MINING INDUSTRIES					Retail-dealer deliveries [4]
					Beehive coke plants	Oven coke plants	Steel and rolling mills [4]	Cement mills	Other [4]	
1940	430,910	49,126	2,989	85,130	4,803	76,583	14,169	5,559	107,864	84,687
1945	559,567	71,603	3,192	125,120	8,135	87,214	14,241	4,203	126,562	119,297
1950	454,202	88,262	2,042	60,969	9,088	94,757	10,877	7,923	95,862	84,422
1955	423,412	140,550	1,499	15,473	2,869	104,508	7,353	8,529	89,611	53,020
1956	432,858	154,983	1,470	12,308	4,043	101,870	7,189	9,026	93,302	48,667
1957	413,668	157,398	1,364	8,401	3,473	104,547	6,938	8,633	87,202	35,712
1958	366,703	152,928	955	3,725	1,017	75,563	7,268	8,256	81,372	35,619
1959	366,256	165,788	969	2,600	1,827	77,354	6,674	8,510	73,396	29,138
1960	380,429	173,882	945	2,101	1,640	79,375	7,378	8,216	76,487	30,405
1961	374,405	179,629	770	(5)	1,496	72,385	7,495	7,615	77,280	27,735
1962	387,774	190,833	687	(5)	1,339	72,923	7,319	7,719	78,766	28,188
1963 (prel.)	409,275	209,038	670	(5)	1,567	76,115	7,401	8,139	82,797	23,548

[1] Federal Power Commission. Represents consumption by public-utility power plants in power generation, including a small quantity of coke.
[2] Bureau of the Census.
[3] Association of American Railroads. Represents consumption by class I railways for all uses, including locomotive, powerhouse, shop, and station fuel.
[4] Estimates based on reports collected from a selected list of representative steel and rolling mills, manufacturing plants and retailers.
[5] Canvass discontinued.

Source: Dept. of the Interior, Bureau of Mines, *Minerals Yearbook*.

No. 1018. Coke—Summary: 1940 to 1963

[Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports. See *Historical Statistics, Colonial Times to 1957*, series M 117, for production]

ITEM	1940	1950	1955	1960	1961	1962	1963
Production ... 1,000 short tons	57,072	72,718	75,302	57,229	51,711	51,910	54,278
Oven coke ... 1,000 short tons	54,014	66,891	73,584	56,219	50,830	51,098	53,307
Percent of total	94.6	92.0	97.7	98.2	98.4	98.4	98.2
Beehive coke ... 1,000 short tons	3,058	5,827	1,718	1,010	881	812	971
Value of products at plant ... $1,000,000	442	1,279	1,635	1,382	1,223	1,228	1,231
Beehive coke ... $1,000,000	13	78	23	15	14	12	15
Oven coke ... $1,000,000	269	918	1,224	1,060	930	951	962
All coal-chemical materials ... $1,000,000	160	283	388	307	279	265	254
Average market value per ton [1] ... dollars	4.80	13.43	16.23	18.31	17.76	18.09	17.54
Coal charged ... 1,000,000 short tons	81.4	94.9	107.7	81.4	74.2	74.7	78.1
Average value per ton ... dollars	3.58	8.41	8.76	9.82	9.72	9.77	9.40
Yield of coke from coal ... percent	70.1	69.9	69.9	70.3	69.7	69.5	69.5
Ovens in existence end of year ... number	27,884	32,690	26,143	22,903	20,926	19,540	19,493
Slot ... number	12,734	14,982	16,039	15,320	15,224	14,561	14,586
Beehive ... number	15,150	17,708	10,104	7,583	5,702	4,979	4,907
Slot ovens under construction end of year ... number	492	706	261	372	179	75	50
Exports ... 1,000 short tons	804	398	531	353	445	394	451
Imports ... 1,000 short tons	113	438	126	126	127	142	153

[1] For 1940 and 1950, data based on value at plant and not comparable with following years.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1019. Coke—Oven and Beehive Production, by States: 1930 to 1963

[In thousands of short tons. Excludes screenings or breeze]

STATE	1930	1935	1940	1945	1950	1955	1960	1962	1963
OVEN									
Total	**45,196**	**34,224**	**54,014**	**62,094**	**66,891**	**73,584**	**56,219**	**51,098**	**53,307**
Alabama	3,987	1,994	4,727	5,401	5,833	6,245	4,897	4,109	4,282
Illinois	3,577	1,669	3,015	3,682	3,591	3,041	1,971	1,917	1,871
Indiana	4,985	3,768	6,413	7,814	8,256	9,482	8,024	7,027	7,541
Maryland	1,169	930	1,683	2,025	2,367	3,236	(2)	(2)	(2)
Massachusetts	863	1,006	1,130	1,149	855	551	(2)	-------	-------
Michigan	2,604	2,482	2,872	2,806	2,731	3,421	3,279	3,165	3,460
Minnesota	641	430	524	826	834	1,029	(2)	(2)	(2)
New Jersey	919	917	1,016	1,284	1,481	993	(2)	(2)	(2)
New York	3,850	4,099	5,080	5,790	5,412	4,035	(2)	(2)	(2)
Ohio	6,163	5,101	7,898	9,406	10,314	11,701	8,423	6,849	6,340
Pennsylvania	12,529	8,078	14,862	15,255	16,333	19,489	14,146	13,986	15,245
West Virginia	1,479	1,604	1,900	2,462	3,389	4,325	2,758	2,610	3,008
Other States [1]	2,430	2,146	2,894	4,194	5,495	6,036	12,721	11,435	11,560
BEEHIVE									
Total	**2,776**	**917**	**3,058**	**5,214**	**5,827**	**1,718**	**1,010**	**812**	**971**
Pennsylvania	2,011	564	2,550	4,584	5,193	1,314	684	385	384
Virginia	220	138	198	191	198	141	[3] 326	(2)	(2)
Other States [1]	545	215	310	439	436	263	-------	427	587

[1] Excludes Alaska and Hawaii.
[2] Included in "Other States."
[3] Includes West Virginia.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1020. Producing Oil Wells, 1961 and 1962, and Oil and Gas Wells Drilled, 1962 and 1963, by States

STATE	Producing oil wells: Approximate number, Dec. 31		Producing oil wells: Average production per well per day (barrels)		Wells drilled [1]: Oil		Wells drilled [1]: Gas [2]		Wells drilled [1]: Dry	
	1961	1962	1961	1962	1962	1963	1962	1963	1962	1963
Total	**594,917**	**596,385**	**12.1**	**12.3**	**21,249**	**20,288**	**5,848**	**4,751**	**16,682**	**16,347**
Ark	6,330	5,918	12.6	12.4	117	207	48	43	203	204
Calif	38,184	39,265	21.6	21.9	1,867	1,707	163	118	481	566
Colo	2,023	2,110	63.4	56.3	143	96	89	93	525	409
Ill	31,911	30,174	6.6	6.9	727	746	11	12	768	764
Ind	5,679	5,607	5.8	5.8	199	271	7	8	470	450
Kans	40,933	46,750	7.6	7.0	1,779	2,017	232	227	1,715	1,590
Ky	19,857	19,448	2.5	2.5	663	653	223	162	692	825
La	24,740	26,382	47.1	51.1	2,189	2,545	724	614	2,066	2,115
Mich	4,301	4,282	12.0	10.9	129	143	71	84	497	382
Miss	2,819	2,560	50.7	56.8	199	254	26	22	378	448
Mont	3,342	3,692	24.0	24.7	177	155	19	15	224	212
Nebr	1,860	1,764	38.9	37.6	173	153	5	1	511	366
N. Mex	15,295	16,102	20.8	19.1	767	592	421	281	453	386
N.Y	17,829	13,537	0.2	0.3	148	246	43	22	51	40
N. Dak	1,683	1,794	41.4	39.7	104	84	-------	-------	123	98
Ohio	16,682	16,867	0.9	0.9	568	475	261	217	284	357
Okla	79,387	80,799	6.7	6.9	2,605	2,273	572	430	1,379	1,260
Pa	63,576	59,673	0.2	0.2	210	250	271	220	110	73
Texas	196,396	197,659	13.2	13.1	7,932	6,682	1,546	1,308	4,819	4,910
Utah	795	852	114.0	103.3	89	67	53	21	141	121
W. Va	12,762	12,880	0.6	0.7	167	257	952	791	142	151
Wyo	7,880	7,581	50.6	48.1	262	329	84	53	467	499
Other States [3]	653	689	62.8	75.7	35	86	27	9	183	121

[1] Figures from *The Oil and Gas Journal*. [2] Includes condensate wells. [3] Includes Alaska.

No. 1021. Petroleum, Crude—Production, 1946 to 1963, and Reserves, 1955, 1960, and 1963, by States

[Production in thousands, reserves in millions, of barrels of 42 gallons. See also *Historical Statistics, Colonial Times to 1967*, series M 133 and M 137]

STATE	Production: 1946–1950, avg.	Production: 1951–1955, avg.	Production: 1956–1960, avg.	Production: 1955	Production: 1960	Production: 1963 (prel.)	Proved reserves [1] (December 31): 1955	Proved reserves [1] (December 31): 1960	Proved reserves [1] (December 31): 1963
Total	**1,885,325**	**2,338,809**	**2,566,539**	**2,484,428**	**2,574,933**	**2,752,723**	**30,012**	**31,613**	**30,970**
Alabama	488	1,398	5,443	1,411	7,329	9,175	(2)	(2)	(2)
Alaska	----------	----------	----------	----------	559	10,740	----------	(2)	(2)
Arkansas	30,220	29,284	29,110	28,369	30,117	27,373	330	302	225
California	329,694	357,955	323,674	354,812	305,352	300,733	3,801	3,659	3,600
Colorado	18,462	38,693	51,229	52,053	47,409	38,271	334	364	368
Illinois	66,619	65,516	78,754	81,423	77,341	73,783	691	556	417
Indiana	8,038	11,630	11,929	10,988	12,054	11,417	61	66	63
Kansas	104,542	116,976	120,151	121,669	113,453	109,107	998	884	841
Kentucky	9,592	12,873	20,117	15,518	21,147	19,047	107	129	100
Louisiana	177,009	250,082	341,341	271,010	400,832	522,739	3,255	4,785	5,089
Michigan	16,501	12,551	11,311	11,266	15,899	15,973	59	78	69
Mississippi	36,237	36,190	44,110	37,741	51,673	58,752	388	407	385
Montana	8,835	12,067	27,397	15,654	30,240	30,875	299	267	271
Nebraska	----------	6,110	20,574	11,203	23,825	21,775	58	86	84
New Mexico	44,144	67,924	98,848	82,958	107,380	109,613	820	1,084	1,011
New York	4,563	3,691	2,194	2,904	1,813	1,929	43	32	18
North Dakota	----------	4,785	16,166	11,143	21,992	24,957	186	431	389
Ohio	3,296	3,667	5,581	4,353	5,405	6,171	56	75	88
Oklahoma	149,305	193,708	204,445	202,817	192,913	200,238	2,016	1,791	1,628
Pennsylvania	12,317	10,173	7,010	8,531	6,009	4,903	93	108	92
Texas	811,726	1,015,829	1,004,260	1,053,297	927,479	973,097	14,934	14,758	14,573
Utah	376	1,796	21,839	2,227	37,594	33,471	37	208	220
West Virginia	2,777	2,724	2,213	2,320	2,300	3,243	47	51	57
Wyoming	49,660	82,527	117,989	99,483	133,910	144,407	1,374	1,427	1,254
Other States [3]	924	660	854	678	848	874	25	65	128

[1] From Reports of Committee on Petroleum Reserves, American Petroleum Institute. Figures for California, Louisiana, and Texas include offshore reserves. [2] Included in "Other States."
[3] Beginning 1960, includes Hawaii.

Source of tables 1020 and 1021: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1022. Crude Petroleum, Refined Products, and Natural-Gas Liquids—Production and Stocks: 1930 to 1963

[In millions of barrels of 42 gallons, except as indicated. Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 133-136 and M 168-177]

ITEM	1930	1940	1950	1955	1960 [1]	1961 [1]	1962 [1]	1963 [1]
Crude petroleum:								
Domestic production	898	1,353	1,974	2,484	2,575	2,622	2,676	2,753
Value at wells	1,070	1,385	4,963	6,870	7,420	7,566	7,769	7,967
World production	1,412	2,144	3,803	5,626	7,674	8,186	8,879	--------
U.S. proportion of world total	64	63	52	44	34	32	30	--------
Imports [2]	62	43	178	285	372	382	411	413
Exports [2]	24	51	35	12	3	3	2	2
Stocks, end of period:								
Gasoline-bearing crude	409	265	248	266	240	245	252	237
California heavy crude	(3)	12						
Runs to stills	927	1,294	2,095	2,730	2,953	2,987	3,070	3,171
Average price per barrel at wells ... dol.	1.19	1.02	2.51	2.77	2.88	2.89	2.90	2.89
Refined products:								
Imports [2]	43	41	133	170	293	318	349	365
Exports [2]	133	79	76	123	71	60	60	74
Stocks, end of period [4]	[3] 254	281	327	436	516	543	554	564
Output of motor fuel	441	617	1,024	1,374	1,522	1,534	1,583	1,628
Yield of gasoline ... percent	42.0	43.1	43.0	44.0	45.1	44.7	44.8	44.1
Completed refineries, end of year	435	556	357	318	311	311	308	302
Daily crude-oil capacity	3.9	4.7	7.0	8.6	10.0	10.1	10.1	10.3
Average dealer's net price (excl. tax) of gasoline in 50 U.S. cities [5] cents per gal.	14.49	9.08	15.10	16.18	16.08	15.80	15.45	15.22
Natural-gas liquids:								
Production	53	56	182	281	340	362	373	401
Stocks, end of period	2	6	7	14	29	37	31	34

[1] Includes Alaska and Hawaii.
[2] Excludes trade between Alaska (prior to 1960), Hawaii, Puerto Rico, and foreign countries. Exports include shipments from conterminous U.S. to Alaska, Hawaii, and outlying areas.
[3] Figure for California heavy crude included in refined products.
[4] Beginning 1955, new basis; not comparable with earlier years.
[5] Beginning 1955, figures from Platt's Oilgram Price Service; prior years from American Petroleum Institute.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1023. Petroleum—Runs to Stills and Refinery Products, by Class: 1950 to 1963

[In millions of barrels of 42 gallons. Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 152-167]

PRODUCT	1950	1955	1959	1960	1961	1962	1963 (prel.)
Input	2,190	2,857	3,071	3,119	3,157	3,252	3,361
Crude petroleum	2,095	2,730	2,918	[1] 2,953	2,987	3,070	3,171
Domestic	1,919	2,447	2,566	[1] 2,582	2,604	2,660	2,758
Foreign	176	283	352	371	383	410	413
Natural-gas liquids	95	126	153	167	169	183	190
Output	2,190	2,857	3,071	3,119	3,157	3,252	3,361
Gasoline [2]	998	1,332	1,473	1,510	1,514	1,571	1,603
Kerosene	119	117	111	136	141	156	165
Distillate fuel oil	399	603	679	667	696	720	764
Residual fuel oil	425	420	348	332	316	296	277
Jet fuel	----------	57	93	88	95	102	99
Lubricants	52	56	56	59	59	61	63
Wax (1 bbl.=280 lb.)	4	5	6	6	6	5	5
Coke (5 bbl.=1 s. ton)	17	28	41	60	75	79	81
Asphalt (5.5 bbl.=1 s. ton)	58	83	98	99	102	110	112
Road oil	7	8	6	6	6	7	7
Still gas (1 bbl.=3,600 cu. ft.)	84	117	127	129	128	131	130
Liquefied gases	29	44	69	78	79	77	56
Petrochemical feedstocks	----------	----------	----------	----------	----------	----------	91
Other finished products	5	11	22	24	26	30	14
Other unfinished oils (net) [3]	*7*	*11*	*26*	*22*	*21*	*28*	*32*
Shortage [4]	*1*	*12*	*32*	*53*	*65*	*64*	*74*

[1] Includes part-year operations of 1 refinery in Hawaii.
[2] Includes crude gasoline.
[3] Negative quantities; represent net excess of unfinished oils rerun over unfinished oils produced.
[4] Negative quantities.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1024. Natural Gas—Production, Consumption, and Value: 1930 to 1962

[Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 138–147]

ITEM	1930	1940	1950	1955	1960 [1]	1961 [1]	1962 [1]
Total marketed production [2] ... bil. cu. ft.	1,943	2,660	6,282	9,405	12,771	13,254	13,877
Value (at wells) of gas produced ... mil. dol.	147	120	409	978	1,790	1,996	2,145
Average per 1,000 cu. ft. ... cents	7.6	4.5	6.5	10.4	14.0	15.1	15.5
Number of producing gas wells, Dec. 31	55,020	53,880	64,900	71,475	90,761	96,809	100,267
Total consumption ... bil. cu. ft.	1,942	2,655	6,026	9,070	12,509	13,082	13,890
Residential ... bil. cu. ft.	296	444	1,198	2,124	3,103	3,249	3,479
Commercial ... bil. cu. ft.	81	135	388	629	1,020	1,077	1,207
Industrial ... bil. cu. ft.	1,565	2,076	4,440	6,317	8,386	8,756	9,205
Value (at point of consumption) of gas consumed ... mil. dol.	416	577	1,604	3,626	6,270	6,667	7,145
Residential ... mil. dol.	201	316	826	1,885	3,209	3,475	3,629
Commercial ... mil. dol.	39	64	184	395	791	838	940
Industrial ... mil. dol.	176	197	593	1,346	2,270	2,354	2,575
Average per 1,000 cu. ft. ... cents	21.4	21.7	26.6	40.0	50.1	51.0	51.4
Residential ... cents	67.8	71.1	69.0	88.7	103.4	107.0	104.3
Commercial ... cents	47.8	47.8	47.6	62.7	77.5	77.8	77.9
Industrial ... cents	11.3	9.5	13.4	19.6	27.1	26.9	28.0
Number of consumers:							
Residential ... 1,000	5,035	9,245	16,906	26,084	31,148	32,052	32,655
Commercial ... 1,000	413	741	1,347	2,140	2,584	2,641	2,712

[1] Includes Alaska.
[2] Beginning 1950, comprises gas sold or consumed by producers, including losses in transmission, amounts added to storage, and increases in gas in pipelines.

No. 1025. Natural-Gas Liquids—Production and Value: 1930 to 1962

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series M 148–151]

ITEM	1930	1940	1950	1955	1960	1961	1962
Total produced ... mil. gal.	n.a.	n.a.	7,642	11,818	14,287	15,191	15,654
Natural gasoline and natural gasoline mixtures ... mil. gal.	2,210	2,174	3,229	[1] 4,457	[1] 4,479	[1] 4,666	[1] 4,772
Liquefied petroleum gases ... mil. gal.	n.a.	n.a.	3,036	5,973	8,444	9,085	9,409
Cycle products ... mil. gal.	----------	166	1,378	1,388	1,363	1,439	1,472
Value at plants:							
Natural gasoline ... $1,000	128,160	[2] 68,261	213,810	[1] 313,075	[1] 313,058	[1] 311,966	[1] 333,965
Liquefied petroleum gases ... $1,000	n.a.	n.a.	97,773	195,231	391,566	370,186	353,334
Cycle products ... $1,000	----------	(2)	108,022	110,700	103,761	100,053	110,852
Average value per gallon, all light products ... cents	[3] 5.8	[3] 2.9	5.5	5.2	5.7	5.1	5.1
Natural gas processed ... bil. cu. ft.	2,089	2,471	5,342	8,186	9,768	10,262	11,089
Average yield, all light products gal. per 1,000 cu. ft.	n.a.	n.a.	1.43	1.44	1.46	1.48	1.41

n.a. Not available. [1] Includes isopentane; included in LP-gases for prior years.
[2] Cycle products included with natural gasoline. [3] Excludes LP-gases.

Source of tables 1024 and 1025: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1026. Estimates of Natural Gas Reserves: 1950 to 1963

[**In billions of cubic feet.** Beginning 1961, includes Alaska. Volumes calculated at a pressure base of 14.73 pounds per square inch, absolute, and at a standard temperature of 60° F. See *Historical Statistics, Colonial Times to 1957*, series M 142, for estimated reserves calculated at a pressure base of 14.65 pounds]

YEAR	NATURAL GAS ADDED DURING YEAR			Net increase in underground storage	Net production during year	Estimated proved reserves as of end of year	Increase over previous year
	Total	Extensions and revisions	Discoveries of new fields and new pools in old fields				
1950	11,984	9,123	2,862	54	6,855	184,585	5,183
1955	21,898	16,210	5,688	87	10,063	222,483	11,922
1957	20,008	11,058	8,950	179	11,440	245,230	8,747
1958	18,897	13,316	5,581	58	11,423	252,762	7,532
1959	20,621	14,852	5,769	160	12,373	261,170	8,409
1960	13,894	7,293	6,601	281	13,019	262,326	1,156
1961	17,166	10,259	6,908	160	13,379	266,274	3,947
1962	19,484	13,185	6,299	159	13,638	272,279	6,005
1963	18,381	12,803	5,578	254	14,762	276,151	3,872

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 1027. Natural Gas—Production, 1930 to 1962, and Reserves, 1955, 1960, and 1962, by States

[In billions of cubic feet]

STATE	NATURAL GAS—MARKETED PRODUCTION [1]						NATURAL GAS RESERVES [2]		
	1930	1940	1950	1955	1960	1962	1955	1960	1962
Total	1,943	2,660	6,282	9,405	12,771	13,877	223,697	263,759	273,766
Arkansas	19	14	48	32	55	66	1,164	1,460	1,653
California	335	352	558	538	518	564	8,893	8,844	9,171
Colorado	3	3	11	49	107	102	2,254	2,043	2,217
Illinois	3	8	13	8	12	11	234	173	159
Kansas	38	90	364	471	634	694	16,293	19,620	18,669
Kentucky	28	53	73	73	75	70	1,262	1,144	1,115
Louisiana	278	343	832	1,680	2,988	3,525	42,436	63,386	71,935
Michigan	2	13	11	8	21	29	326	586	651
Mississippi	(3)	6	114	163	172	170	2,608	2,542	2,751
Montana	10	26	39	28	33	30	720	626	603
Nebraska	(4)	(4)	(3)	13	15	15	203	118	101
New Mexico	9	64	213	541	799	805	18,585	15,604	14,190
North Dakota	(4)	(4)	1	5	19	25	281	1,151	968
Ohio	63	41	43	34	36	37	810	766	732
Oklahoma	348	258	482	615	824	1,061	13,205	17,311	18,359
Pennsylvania	89	91	91	99	114	90	754	1,192	1,181
Texas	518	1,064	3,126	4,731	5,893	6,080	108,288	119,489	119,504
Utah	(4)	(4)	4	17	51	74	421	1,526	1,796
West Virginia	144	189	190	212	209	211	1,565	1,831	2,037
Wyoming	43	27	62	78	182	205	3,196	3,935	3,953
Other States [5]	13	19	5	9	12	12	201	411	2,022

[1] For 1930 and 1940, amount used by ultimate consumer only; thereafter comprises gas sold or consumed by producers, including losses in transmission, amounts added to storage, and increases in gas in pipelines.
[2] Estimated recoverable proved reserves. Offshore reserves included for California, Louisiana, and Texas. Excludes gas loss due to natural-gas liquids recovery. Source: American Gas Association.
[3] Less than 500 million cubic feet.
[4] Included with "Other States."
[5] Beginning 1960, includes Alaska.

No. 1028. Consumption of Fuel Oils and Natural Gas, by Major Consumer Groups: 1950 to 1962

[Fuel oils in thousands of barrels of 42 gallons; natural gas in billions of cubic feet. Beginning 1960, includes Alaska and Hawaii]

TYPE OF FUEL	Total	Railroads	Vessels	Gas and electric power plants	Smelters, mines, and manufactures	Space heating and cooking	Military	Oil and gas company fuel	Miscellaneous
Distillate fuel oil:									
1950	395,306	48,703	12,872	13,207	37,121	235,740	6,553	5,692	35,418
1955	581,127	84,668	16,675	5,884	43,606	356,589	10,945	8,597	54,163
1960	683,325	86,490	18,730	4,742	34,271	438,010	10,793	8,347	81,942
1961	690,874	85,180	14,566	4,151	31,226	450,292	11,484	8,743	85,232
1962	729,095	86,803	15,836	4,100	34,951	466,830	13,041	9,055	98,479
Residual fuel oil:									
1950	554,208	60,878	92,947	93,062	148,111	72,716	28,333	53,263	4,898
1955	556,983	15,018	115,128	75,966	173,030	86,282	28,368	53,387	9,804
1960	550,536	5,610	94,084	85,408	157,270	125,088	31,724	45,061	6,291
1961	542,986	5,347	87,308	87,881	153,766	121,097	36,762	44,399	6,426
1962	548,433	5,501	84,415	88,261	156,221	125,164	35,667	45,978	7,226
Natural gas:									
1950	6,026	--------	--------	[1] 629	[2] 2,672	1,586	--------	1,768	--------
1955	9,070	--------	--------	[1] 1,153	[2] 3,939	2,753	--------	2,378	--------
1960	12,509	--------	--------	[1] 1,724	[2] 5,484	4,123	--------	2,902	--------
1961	13,082	--------	--------	[1] 1,825	5,725	4,325	--------	3,031	--------
1962	13,890	--------	--------	[1] 1,966	6,039	4,685	--------	3,166	--------

[1] Source: Federal Power Commission. Includes gas other than natural gas; therefore excluded from total.
[2] Includes natural-gas component of gas used in gas and electric power plants.

Source of tables 1027 and 1028: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1029. Petroleum Asphalt and Road Oil—Supply, Distribution, Stocks, and Shipments: 1945 to 1963

[**In thousands of short tons.** Beginning 1959, includes Alaska; imports and exports include Alaska, Hawaii, and Puerto Rico for all years]

ITEM	1945	1950	1955	1959	1960	1961	1962	1963
SUPPLY AND DISTRIBUTION								
Petroleum asphalt:								
Production	7,127	10,589	15,113	17,753	17,940	18,513	19,923	20,354
Imports (including natural)	147	324	605	1,250	1,117	1,201	1,204	1,072
Exports	212	144	285	188	168	121	150	130
Stocks, end of year	693	962	1,413	1,991	2,362	2,363	2,591	2,610
Apparent domestic consumption [1]	6,973	10,669	15,325	18,598	18,518	19,592	20,749	21,227
Road oil:								
Production	471	1,260	1,542	1,181	1,085	1,058	1,287	1,235
Stocks, end of year	67	72	102	119	135	138	159	137
Apparent domestic consumption [2]	438	1,255	1,519	1,138	1,069	1,055	1,266	1,257
SHIPMENTS								
Paving products:								
Asphalt cements	n.a.	n.a.	5,867	8,914	8,736	9,163	9,949	10,488
Cutback asphalts	n.a.	n.a.	4,039	4,534	4,502	4,640	4,705	4,625
Emulsified asphalts	n.a.	n.a.	861	1,132	1,435	1,515	1,669	1,835
Road oil	n.a.	n.a.	1,460	1,143	1,177	1,083	1,109	1,092
Roofing products:								
Asphalt cements and fluxes	n.a.	n.a.	3,490	3,293	3,516	3,630	3,839	3,818
Emulsified asphalts	n.a.	n.a.	12	6	9	6	3	3
Miscellaneous products:								
Asphalt cements and fluxes	n.a.	n.a.	1,366	1,839	1,800	1,690	1,864	1,797
Emulsified asphalts	n.a.	n.a.	45	56	55	65	68	82

n.a. Not available. [1] Production, plus imports, less exports, and plus or minus change in stocks.
[2] Production, plus or minus change in stocks.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1030. Cement—Summary: 1930 to 1963

[**In thousands of barrels of 376 pounds, except as indicated.** Beginning 1940, includes Puerto Rico, and 1960, Hawaii; imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See also *Historical Statistics, Colonial Times to 1957*, series M 178-179]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963 (prel.)
Production of finished cement	162,989	132,751	230,272	314,913	334,130	338,628	351,932	369,098
Portland	161,197	130,216	226,026	297,453	319,009	324,114	336,488	353,297
Prepared masonry	n.a.	n.a.	n.a.	16,519	14,553	14,289	15,004	15,361
Natural, slag, and hydraulic lime	[1] 1,792	[1] 2,535	[1] 4,246	941	568	225	440	440
Active plants:								
Portland ... number	163	152	150	157	176	175	178	182
Natural, slag, and hydraulic lime ... number	11	12	9	6	4	4	4	4
Shipments	160,846	132,864	231,975	310,245	327,087	335,374	347,117	365,311
Value ... $1,000	231,250	193,465	545,951	896,888	1,103,680	1,122,483	1,149,405	1,177,415
Per barrel ... dollars	1.44	1.46	2.35	2.89	3.37	3.35	3.31	3.22
Portland	159,059	130,350	227,756	292,765	312,292	320,751	331,823	349,321
Prepared masonry	n.a.	n.a.	n.a.	16,526	14,247	14,354	14,892	15,588
Natural, slag, and hydraulic lime	[1] 1,787	[1] 2,514	[1] 4,219	954	548	269	402	402
Stocks at mills, Dec. 31 (finished portland cement)	25,899	23,365	13,119	17,539	35,640	36,579	38,579	39,526
Imports	985	538	1,410	5,220	4,108	3,621	5,759	3,930
Exports	756	1,668	2,418	1,795	187	286	380	n.a.
World production (estimate)	416,880	474,927	781,500	1,274,501	1,853,533	1,967,606	2,095,654	n.a.

n.a. Not available. [1] Includes masonry cement from natural, slag, and hydraulic lime plants.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1031. Portland Cement—Production, by States: 1930 to 1963

[In thousands of barrels of 376 pounds]

STATE	1930	1940	1950	1955	1960	1961	1962	1963 (prel.)
Total	161,197	130,217	226,026	297,453	319,009	324,114	336,488	353,297
Alabama	4,821	5,122	10,372	12,161	11,935	12,837	12,914	12,575
California	10,124	14,216	26,277	35,449	39,892	41,165	43,829	46,093
Illinois	7,935	4,975	7,924	8,810	9,270	8,757	9,081	9,588
Iowa	7,088	4,606	7,416	10,182	12,527	12,786	11,869	12,790
Kansas	6,012	3,433	8,616	9,219	7,996	8,329	8,235	8,248
Michigan	11,511	8,603	12,967	18,205	20,971	21,661	23,070	24,388
Missouri	7,809	4,968	9,778	12,001	12,606	11,940	12,239	12,624
New York [1]	10,373	8,437	14,196	20,049	20,134	18,061	20,133	24,033
Ohio	8,632	6,664	10,607	13,966	16,850	15,059	15,465	16,375
Pennsylvania	37,844	26,853	38,646	46,863	37,170	36,591	39,555	38,436
Tennessee	3,875	3,808	6,685	8,110	7,926	8,729	8,845	8,793
Texas	6,782	7,375	17,150	24,241	23,190	24,889	26,443	29,089
Other States [2]	38,393	31,156	55,392	78,197	98,542	103,310	104,810	110,265

[1] Beginning 1950, includes Maine.
[2] Beginning 1940, includes Puerto Rico; beginning 1960, includes Hawaii.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1032. Sand and Gravel—Quantity Sold or Used by Producers, and Value: 1930 to 1962

[**In thousands of short tons, except as indicated.** Beginning 1940, includes Alaska and Hawaii; 1940 through 1955, includes Puerto Rico. See *Historical Statistics, Colonial Times to 1957*, series M 183, for total]

ITEM	1930	1940	1950	1955	1960	1961	1962
Sand and gravel	197,052	238,308	370,455	592,153	709,792	751,784	776,701
Building	46,605	68,036	132,873	213,712	230,994	236,668	245,961
Paving	84,176	143,158	204,242	327,976	388,950	420,502	430,082
Other	[1] 66,271	[1] 27,114	[1] 33,340	50,465	89,848	94,614	100,658
Value ... $1,000	[1] 115,177	[1] 110,688	[1] 295,040	536,236	720,432	751,301	794,725
Average per ton ... dollars	.58	.46	.80	.91	1.01	1.00	1.02
Commercial sand	[1] 81,754	[1] 63,930	[1] 124,982	196,528	234,139	240,346	259,086
Value ... $1,000	[1] 48,894	[1] 40,526	[1] 120,350	209,166	271,265	275,099	300,211
Average per ton ... dollars	.60	.63	.96	1.06	1.16	1.14	1.16
Noncommercial (government-and-contractor) sand	1,905	14,744	13,918	24,591	31,517	42,990	40,671
Value ... $1,000	828	4,806	5,961	13,075	22,334	28,450	28,352
Average per ton ... dollars	.43	.33	.43	.53	.71	.66	.70
Commercial gravel	95,126	67,326	132,574	223,548	288,756	299,209	307,893
Value ... $1,000	58,475	37,745	120,974	228,386	318,145	324,185	335,209
Average per ton ... dollars	.61	.56	.91	1.02	1.10	1.08	1.09
Noncommercial (government-and-contractor) gravel	18,267	92,308	98,981	147,486	155,380	169,239	169,051
Value ... $1,000	6,980	27,612	47,755	85,610	108,688	123,567	130,953
Average per ton ... dollars	.38	.30	.48	.58	.70	.73	.77

[1] Excludes ground sand.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1033. Stone—Quantity Sold or Used by Producers, and Value, by Kind and by Use: 1930 to 1962

Includes Alaska and Hawaii for all years except 1955; Puerto Rico for 1930, 1940, and 1950; and Panama Canal Zone and islands administered by the U.S. for 1955]

Variety and use	Quantity sold or used (1,000 short tons) [1]						Value ($1,000)		
	1930	1940	1950	1955	1960	1962	1950	1960	1962
Total	**127,460**	**154,206**	**252,425**	**471,251**	**[2] 616,784**	**[2] 656,954**	**404,106**	**[2] 952,555**	**[2] 1,025,697**
KIND									
Granite	10,048	10,880	21,935	26,079	42,748	50,058	50,697	89,654	102,898
Basalt and related rocks	14,532	15,716	22,895	35,851	57,884	69,768	34,373	87,699	108,264
Sandstone [3]	4,594	6,499	9,101	13,108	21,013	26,077	23,787	48,771	51,119
Marble	477	240	267	1,092	1,644	1,769	10,932	31,060	33,117
Limestone [4]	88,741	112,658	180,919	361,524	451,253	461,849	252,756	623,437	649,647
Other stone	8,604	7,740	16,378	17,706	21,493	25,653	16,514	27,642	38,300
Shell	----	----	----	15,131	18,934	20,054	----	33,706	31,241
Slate	464	473	930	760	532	544	15,047	9,233	10,100
USE									
Dimension stone	4,491	2,261	2,021	2,674	2,257	2,729	65,272	86,009	90,687
Building stone	3,555	1,897	1,565	2,129	1,694	1,917	43,509	59,360	62,451
Rough	1,422	555	554	811	578	595	6,815	8,965	8,436
Dressed	900	281	675	876	738	725	29,850	43,988	46,697
Rubble	1,066	916	247	375	330	537	615	1,743	2,022
Roofing and mill-stock slate	167	145	89	67	48	60	6,229	4,664	5,296
Monumental	291	196	237	235	221	227	17,062	19,254	19,246
Paving blocks	294	19	4	6	31	264	51	131	937
Curbing	262	71	78	121	157	155	2,430	3,929	4,236
Flagging	89	78	137	183	154	166	2,220	3,335	3,817
Crushed and broken stone	122,969	151,945	250,404	468,577	614,527	654,225	338,834	866,546	935,010
Riprap	4,292	5,264	6,898	10,286	23,863	36,415	7,807	32,468	41,835
Concrete and road-stone	74,293	92,814	146,496	254,588	387,084	414,970	191,534	520,669	568,267
Railroad ballast	12,818	7,454	18,614	15,871	11,158	11,042	17,520	12,780	13,310
Furnace flux	17,091	22,872	35,970	40,068	31,878	26,512	37,932	46,312	38,562
Refractory stone	1,197	1,741	2,158	1,169	749	711	5,849	6,082	5,692
Agricultural	2,542	8,724	19,349	18,360	22,804	23,269	30,393	39,260	39,652
Portland and natural cement (limestone, cement rock, and shell)	n.a.	n.a.	n.a.	84,209	85,551	89,651	n.a.	91,964	99,655
Lime and dead-burned dolomite	n.a.	n.a.	n.a.	16,409	19,724	20,797	n.a.	30,850	34,835
Other uses	10,736	13,076	20,919	27,617	31,716	30,858	47,799	86,161	93,202

n.a. Not available.
[1] Quantities of stone not sold by short tons are expressed in approximate equivalents in short tons.
[2] Includes calcareous marl (1,283,000 tons valued at $1,353,000 in 1960, and 1,182,000 tons valued at $1,011,000 in 1962) excluded in distribution by kind of stone.
[3] Beginning 1955, includes ground sandstone, quartz, and quartzite for abrasives and other uses.
[4] Beginning 1955, includes limestone, cement rock, and dolomite used in making cement, lime, and dead-burned dolomite.

No. 1034. Lime—Quantity Sold or Used by Producers, by Type and Use: 1940 to 1962

[**In thousands of short tons, except as indicated.** Includes Hawaii and Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series M 181-182]

Item	1940	1950	1955	1960	1961	1962
Active plants ..... number	314	168	150	157	220	215
Quantity sold or used by producers	4,887	7,478	10,480	12,935	13,249	13,753
Value $1,000	33,956	83,248	127,144	172,733	177,463	186,754
Per ton ..... dollars	6.95	11.13	12.13	13.35	13.39	13.58
Open-market lime	4,548	7,022	8,930	8,189	8,072	8,145
Captive tonnage lime [1]	339	456	1,550	4,746	5,177	5,608
By type:						
Quicklime	2,633	3,834	6,113	8,271	8,998	9,509
Hydrated	1,386	1,885	2,238	2,715	2,269	2,386
Dead-burned dolomite	868	1,759	2,129	1,949	1,982	1,858
By use:						
Agricultural	365	333	305	187	198	192
Building	1,010	1,249	1,310	1,209	1,224	1,290
Chemical and industrial	2,644	4,137	6,736	9,591	9,845	10,411
Refractory (dead-burned dolomite)	868	1,759	2,129	1,949	1,982	1,858

[1] Incomplete; only partial coverage of captive plants prior to 1961.

Source of tables 1033 and 1034: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1035. Phosphate Rock—Summary: 1950 to 1962

[In thousands of long tons, except as indicated. Includes Alaska and Hawaii]

ITEM	1950	1955	1960	1961	1962
Mine production	n.a.	39,671	54,338	60,535	56,746
P_2O_5 content	n.a.	4,984	[1] 8,282	[1] 9,026	[1] 8,823
Marketable production	11,114	12,265	17,516	18,559	19,382
P_2O_5 content	3,566	3,887	5,443	5,804	6,004
Value ... $1,000	63,334	75,379	117,041	130,535	134,304
Per ton ... dollars	5.70	6.15	6.68	7.03	6.93
Sold or used by producers	10,254	13,186	17,202	17,842	19,060
P_2O_5 content	3,336	4,180	5,352	5,551	5,927
Value ... $1,000	59,028	82,904	115,363	125,593	134,222
Per ton ... dollars	5.76	6.29	6.71	7.04	7.04
Imports for consumption [2]	87	117	129	134	134
Value ... $1,000	[3] 1,114	2,703	3,754	3,629	3,551
Per ton ... dollars	[3] 12.78	23.05	29.04	27.08	26.57
Exports [4]	1,760	2,183	3,994	3,918	3,934
P_2O_5 content	590	720	1,290	1,261	1,269
Value ... $1,000	10,365	14,269	26,632	26,924	27,567
Per ton ... dollars	5.89	6.54	6.67	6.87	7.01
Consumption, apparent [5]	8,581	11,120	13,337	14,058	15,260
World production	23,000	29,980	40,670	43,670	46,040

n.a. Not available.
[1] P_2O_5 (phosphorus pentoxide) content estimated.
[2] Data on P_2O_5 content not available.
[3] Market value (price) at port of shipment and time of exportation to the United States.
[4] As reported to the Bureau of Mines by producers.
[5] Measured by "sold or used" plus "imports" minus "exports."

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 1036. Potash—Summary: 1950 to 1962

[In thousands of short tons, except as indicated. Includes Alaska and Hawaii]

ITEM	1950	1955	1960	1961	1962
Production of potassium salts (marketable)	2,243	3,514	4,472	4,629	4,167
Approximate equivalent K_2O	1,288	2,067	2,638	2,732	2,452
Value [1] ... $1,000	45,349	78,602	89,676	104,464	94,859
Sales of potassium salts by producers	2,222	3,405	4,412	4,226	4,615
Approximate equivalent K_2O	1,276	2,006	2,602	2,487	2,722
Value at plant ... $1,000	44,938	76,176	88,417	95,388	105,608
Per ton ... dollars	20.22	22.37	20.04	22.57	22.89
Imports for consumption of potash materials	381	331	415	465	620
Approximate equivalent K_2O	201	178	226	262	342
Value ... $1,000	13,994	11,769	15,370	17,315	21,864
Exports of potash materials	117	229	833	803	861
Approximate equivalent K_2O	65	130	491	473	508
Value ... $1,000	5,534	9,203	25,926	32,477	30,808
Apparent consumption of potassium salts [2]	2,486	3,507	3,994	3,888	4,374
Approximate equivalent K_2O	1,412	2,054	2,337	2,276	2,556
World production (marketable):					
Approximate equivalent K_2O	5,300	8,000	10,000	10,700	10,700

[1] Derived from reported value of "sold or used."
[2] Measured by "sold or used" plus "imports" minus "exports."

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 1037. Gypsum—Summary: 1945 to 1963

[**Quantities in thousands of short tons; values in thousands of dollars.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See *Historical Statistics, Colonial Times to 1957*, series M 189, for gypsum mined]

ITEM	1945	1950	1955	1960	1961	1962	1963
Active establishments [1]	75	87	83	96	98	102	[2] 106
Crude gypsum: [3]							
Mined	3,812	8,193	10,684	9,825	9,500	9,969	[2] 10,183
Imported	509	3,219	3,977	5,301	4,967	5,421	5,489
Apparent supply	4,320	11,412	14,661	15,126	14,467	15,390	[2] 15,672
Calcined gypsum produced:							
Quantity	[4] 2,485	7,341	8,848	8,591	8,246	8,819	9,182
Value	[4] 14,474	60,480	88,576	120,984	118,145	127,436	[2] 130,000
Gypsum products sold, total value [5]	60,149	205,383	319,323	361,190	358,811	392,300	[2] 408,000
Uncalcined uses:							
Quantity	1,148	2,218	2,938	3,716	3,899	4,049	[2] 4,120
Value	3,433	7,912	11,435	15,486	16,161	17,097	[2] 17,000
Industrial uses:							
Quantity	158	266	299	284	258	269	279
Value	2,326	4,530	6,337	6,362	6,328	6,745	[2] 7,000
Building uses, value	54,390	192,940	301,551	339,342	336,322	368,458	[2] 384,000
Gypsum and gypsum products:							
Imported for consumption, value [6]	549	3,584	7,276	10,426	10,306	11,912	10,943
Exported, value	1,503	1,046	1,348	1,293	1,299	1,302	1,255

[1] Each mine, plant, or combination mine and plant is counted as 1 establishment.
[2] Estimated.
[3] Excludes byproduct gypsum.
[4] Includes production from small quantity of byproduct gypsum.
[5] Made from domestic, imported, and byproduct gypsum.
[6] Data for 1945 and 1950 not comparable with following years.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1038. Sulfur—Summary: 1940 to 1963

[**Quantities in thousands of long tons; values in thousands of dollars, except average.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 185-189]

ITEM	1940	1950	1955	1960	1962	1963
Production:						
Sulfur, all forms [1]	3,227	5,986	7,027	6,661	6,757	6,705
Sulfur from Frasch mines	2,732	5,192	5,739	4,943	4,985	4,882
Recovered elemental sulfur (sulfur content)	4	142	399	767	900	925
Pyrites (gross weight)	627	931	1,007	1,016	916	901
Sulfur content	262	393	410	416	379	369
Value	1,920	4,059	8,391	7,936	6,809	6,730
Byproduct sulfuric acid [2] (sulfur content)	213	216	325	345	355	356
Shipments, Frasch mines	2,559	5,505	5,839	5,003	4,917	4,917
Approximate value	40,900	104,000	163,156	115,494	107,069	107,473
Average value per long ton	15.98	18.89	27.94	23.08	21.78	21.86
Imports for consumption:						
Sulfur, ore and other (gross weight)	28	(3)	35	741	1,040	1,351
Pyrites (gross weight)	407	209	80	306	302	194
Exports, sulfur [4]	766	1,479	1,636	1,787	1,554	1,613

[1] In addition to forms of recovery cited below, covers sulfur ore and other byproduct sulfur compounds (hydrogen sulfide and liquid sulfur dioxide).
[2] Produced at copper, lead, and zinc plants.
[3] Less than 500 tons.
[4] Crude, crushed, ground, refined, sublimed, and flowers.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1039. Salt—Summary, by States and by Kind: 1930 to 1963

[**In thousands of short tons.** Production figures represent sales plus quantities used by producers; they include Puerto Rico and, 1955 through 1958, 1961, and 1962, Hawaii. Exports and imports include Alaska, Hawaii, and Puerto Rico. Imports are imports for consumption. See *Historical Statistics, Colonial Times to 1957*, series M 28 and M 190, for production and value]

YEAR	Production	Exports	Imports	YEAR	Production	Exports	Imports
1930	8,054	70	54	1958	21,910	363	611
1940	10,360	147	30	1959	25,160	424	1,025
1945	15,394	191	5	1960	25,479	420	1,057
1950	16,630	190	8	1961	25,707	642	1,050
1955	22,704	407	186	1962	28,807	671	1,374
1957	23,854	391	651	1963	30,644	781	1,371

STATE AND KIND	1940	1950	1955	1959	1960	1961	1962	1963
Production	**10,360**	**16,630**	**22,704**	**25,160**	**25,479**	**25,707**	**28,807**	**30,644**
By State:								
California	469	868	1,315	1,388	1,443	1,601	1,643	1,716
Kansas [1]	684	846	911	1,123	1,213	913	944	924
Louisiana	1,133	2,279	3,563	4,807	4,792	4,722	5,248	6,199
Michigan	2,863	4,447	4,975	4,485	4,088	3,885	4,274	4,244
New York	2,118	2,807	3,780	4,011	4,008	4,149	4,456	4,782
Ohio	2,080	2,515	2,905	2,858	3,108	3,465	4,187	4,245
Texas	402	1,852	3,583	4,519	4,756	4,695	5,553	5,965
Utah	71	117	196	209	231	249	311	325
West Virginia	144	368	638	811	920	899	1,042	(2)
Other States	395	531	839	949	920	1,129	1,149	2,244
By kind:								
Evaporated (manufactured)	2,783	3,329	3,987	3,980	4,104	4,387	4,643	4,774
In brine	5,312	9,373	13,424	15,023	14,911	14,881	16,438	17,525
Rock salt	2,266	3,927	5,293	6,160	6,466	6,439	7,726	8,345
Total value [3] $1,000	26,475	59,911	123,389	155,839	161,140	160,223	174,841	184,635

[1] Brine included in "Other States." [2] Included in "Other States."
[3] F.o.b. mine or refinery; excludes cost of cooperage or containers.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1040. Iron Ore—Summary: 1930 to 1963

[**In thousands of long tons, except as indicated.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 195–206]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Production	**58,409**	**73,696**	**98,045**	**103,003**	**88,784**	**71,329**	**71,829**	**73,599**
By district:								
Lake Superior	49,383	61,471	79,627	83,255	71,792	53,207	55,556	56,132
Southeastern	5,838	[1] 7,444	7,508	7,106	4,365	3,539	3,186	2,419
Northeastern	2,249	3,560	4,475	4,650	4,125	4,048	4,584	4,922
Western	939	[1] 1,221	5,861	6,958	4,583	4,850	4,438	4,531
Undistributed and byproduct ore	n.a.	n.a.	575	1,034	3,918	5,683	4,064	5,595
By type of ore:								
Hematite	55,266	68,870	87,156	92,958	[2] 68,147	50,883	[3] 46,863	45,649
Brown ore	720	935	2,615	2,461	1,641	1,473	[3] 3,599	3,377
Magnetite	2,421	3,891	7,699	6,550	18,205	18,295	[3] 20,788	23,815
Undistributed and byproduct ore (pyrites cinder and sinter)	[4] 1	[4] 1	575	1,034	791	676	579	757
Number of mines	208	230	247	305	247	206	200	179
Shipments [5]	55,201	75,198	97,764	106,258	82,963	72,379	69,969	73,561
Value [5] $1,000	145,619	189,087	487,990	756,853	724,131	650,500	618,242	678,197
Average value per ton at mine	$2.64	$2.51	$4.99	$7.12	$8.73	$8.99	$8.84	$9.22
Stocks at mines, Dec. 31	10,383	3,614	5,726	4,281	12,337	10,335	11,642	10,904
Imports	2,775	2,479	8,281	23,472	34,578	25,805	33,431	33,469
Value $1,000	8,113	6,205	43,968	177,457	321,919	250,226	324,702	323,204
Exports	752	1,386	2,551	45,517	5,273	4,958	5,898	6,813
Value $1,000	2,734	4,625	15,717	36,993	57,899	54,230	62,833	76,390
World production (estimate)	175,600	208,700	247,000	363,421	513,817	503,779	504,012	n.a.

n.a. Not available.
[1] Texas included with Southeastern district.
[2] Includes brown ore from Tenn., Mo., and Texas; also magnetite from Calif., Utah, and Wyo.
[3] Predominant mineral.
[4] Carbonate ore.
[5] Beginning 1960, excludes byproduct ore.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1041. Manganese Ore and Ferromanganese—Summary: 1930 to 1963

[**Gross weight in thousands of short tons.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See *Historical Statistics, Colonial Times to 1957*, series M 211, for mine shipments]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Manganese ore (35 percent or more Mn):								
Mine shipments	75	45	134	287	80	46	25	11
General imports	656	1,450	1,835	2,078	2,544	2,098	1,970	2,093
Consumption	n.a.	n.a.	1,650	2,110	1,946	1,702	1,865	1,842
World production (estimate)	3,848	6,238	6,200	11,920	15,027	15,073	15,590	n.a.
Ferromanganese:								
Domestic production	308	515	720	870	843	733	781	751
Imports for consumption	[1] 49	12	110	65	120	222	127	149
Exports	[2] 7	[2] 15	1	2	1	([3])	4	1
Consumption	n.a.	n.a.	775	934	800	778	805	893

n.a. Not available.
[1] Manganese content; gross weight not reported.
[2] Includes spiegeleisen. [3] Less than 500 short tons.

No. 1042. Chromite—Summary: 1930 to 1963

[**Quantities in thousands of short tons; values in thousands of dollars.** Domestic production (shipments) includes Alaska. Imports and exports include Alaska, Hawaii, and Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series M 213-214]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Total supply	366	740	1,304	1,987	1,494	1,411	1,446	1,391
Domestic production (shipments)	([1])	3	([1])	153	[2] 107	[2] 82	--------	--------
Value	2	29	([3])	6,644	3,813	2,939	--------	--------
Imports for consumption	366	737	1,304	1,834	1,387	1,329	1,446	1,391
Value	3,513	8,755	23,299	38,063	24,313	21,476	23,700	20,135
Consumption by industry	([3])	563	980	1,584	1,220	1,200	1,131	1,187
Exports	([3])	([3])	2	1	5	5	2	10
World production (estimate)	600	1,600	2,600	4,020	4,870	4,660	4,840	4,475

[1] Less than 500 short tons. [2] Produced for Federal Government only.
[3] Not available or Bureau of Mines not at liberty to publish.

No. 1043. Tungsten—Summary: 1930 to 1963

[Includes Alaska through 1950. See also *Historical Statistics, Colonial Times to 1957*, series M 215-216]

ITEM	1930	1940	1950	1955	1960	1962	1963
Production:							
Concentrates, 60% WO_3 basis ..... short tons	n.a.	5,120	4,166	16,636	7,007	8,700	([1])
Tungsten content ..... 1,000 lb	n.a.	4,873	3,965	15,833	6,669	8,280	([1])
Shipments from mines:							
Concentrates, 60% WO_3 basis ..... short tons	702	5,319	4,820	16,412	7,325	8,429	5,657
Tungsten content ..... 1,000 lb	668	5,062	4,588	15,619	6,972	8,021	5,700
Reported value f.o.b. mines $1,000	509	6,576	8,171	60,841	9,815	11,639	5,384
Average per pound of tungsten ..... dollars	.76	1.30	1.78	3.90	1.40	1.45	1.34
Imports (tungsten content):							
General ..... 1,000 lb	n.a.	9,666	8,342	20,789	5,178	3,709	n.a.
For consumption ..... 1,000 lb	3,998	5,611	16,147	20,700	3,525	3,977	n.a.
Consumption (tungsten content) ..... 1,000 lb	4,642	9,955	6,597	8,967	11,605	13,691	11,061
Stocks (tungsten content) [2] ..... 1,000 lb	n.a.	2,897	5,337	4,025	5,545	6,058	6,247
World production (estimate) [3] ..... short tons	[4] 18,400	48,100	42,300	82,900	69,400	71,100	n.a.

n.a. Not available.
[1] Withheld to avoid disclosure of individual company data.
[2] Producers, consumers, and dealers, end of year.
[3] Concentrates, 60 percent WO_3 basis. [4] Excludes U.S.S.R.

Source of tables 1041-1043: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1044. Nickel—Summary: 1930 to 1963

[**In short tons, except as indicated.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 221–224]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Mine production				4,411	14,079	13,133	13,110	13,394
Plant production:								
Primary	308	554	913	3,807	14,303	11,176	11,217	11,432
Secondary	2,900	4,152	8,795	11,540	9,431	10,688	11,108	10,763
Imports (estimated content) [1]	25,300	83,760	91,347	142,000	103,000	127,000	123,000	119,000
Exports (gross weight) [2]	2,388	11,994	3,645	20,601	54,109	55,493	27,641	60,927
Price per pound [3] ....cents	35	35	40–50.5	64.5	74	74–81.25	81.25–79	79
World production (estimate)	59,800	144,800	130,000	264,000	359,000	394,000	401,000	384,000

[1] Includes metal, ore and matte, oxide powder and oxide sinter, and refinery residues (beginning with 1950); in addition, through 1940, covers scrap, "bars, rods, tubes, etc.," and nickel-silver.
[2] Through 1950 excludes "Manufactures;" weight not recorded.
[3] Price quoted U.S. buyers by International Nickel Co. Inc., for electrolytic nickel, U.S. duty included: 1930 and 1940, f.o.b. New York; thereafter, f.o.b. Port Colborne, Ontario.

No. 1045. Molybdenum Concentrates—Summary: 1930 to 1963

[**In thousands of pounds of contained molybdenum, except as indicated.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 217–218]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Production	3,723	34,313	28,480	61,781	68,237	66,563	51,244	65,011
Shipments from mines	3,759	25,329	44,544	64,709	69,941	66,753	50,506	65,839
Average price per pound [1] ....dollars	[2] .73	.75	.91	1.05	1.25	1.32	1.37	1.38
Exports [3]	n.a.	6,585	6,235	14,580	30,244	35,661	15,555	26,545
Imports for consumption	145		3	134				
Consumption	n.a.	n.a.	26,029	38,799	44,784	42,261	40,990	49,241
Stocks (industry), Dec. 31 [4]	n.a.	n.a.	4,326	2,730	3,481	2,815	3,490	2,436
World production (estimate)	4,200	38,300	32,000	75,000	89,500	87,900	75,000	91,600

n.a. Not available.
[1] Per pound of molybdenum contained. Source: *Engineering and Mining Journal*.
[2] July to December only.
[3] Includes roasted concentrates.
[4] At mines and at plants making molybdenum products.

No. 1046. Gold and Silver—Summary: 1930 to 1963

[Includes Alaska. See *Historical Statistics, Colonial Times to 1957*, series M 246–247, for mine production]

ITEM	1930	1940	1950	1955	1960	1962	1963
Mine production:							
Gold ....1,000 fine ounces	2,139	4,870	2,394	1,880	1,667	1,543	1,427
Silver ....1,000 fine ounces	47,725	70,436	42,459	37,198	30,766	36,798	35,444
Value of production:							
Gold $1,000	44,211	170,448	83,798	65,805	58,337	53,990	49,943
Silver $1,000	18,374	50,088	38,425	33,666	27,845	39,929	45,338
Ore (dry and siliceous) produced: [1]							
Gold ore ....1,000 short tons	7,767	16,550	3,584	2,234	2,267	2,159	2,460
Gold-silver ore ....1,000 short tons		948	433	120	347	353	223
Silver ore ....1,000 short tons		1,201	627	570	641	555	587
Net industrial consumption:							
Gold $1,000	15,178	13,306	97,846	45,500	105,000	125,160	n.a.
Silver ....1,000 fine ounces	26,874	44,499	110,000	101,400	102,000	110,400	110,000
Imports: [2]							
Gold $1,000	74,043	4,226,225	162,744	104,420	335,032	150,932	44,414
Silver $1,000	39,177	57,986	79,473	71,168	53,961	72,721	67,281
Exports: [2]							
Gold $1,000	75,496	1,120	514,283	6,953	1,647	380,962	203,784
Silver $1,000	43,505	3,347	3,563	4,441	24,502	13,375	40,021
Price, average per fine ounce: [3]							
Gold ....dollars	20.67	35.00	35.00	35.00	35.00	35.00	35.00
Silver ....dollars	.385	.711	.905+	.905+	.905+	1.085+	1.27912
World production (estimate):							
Gold ....1,000 fine ounces	20,800	42,300	32,700	36,300	45,300	50,000	[4] 50,900
Silver ....1,000 fine ounces	248,700	275,400	203,300	224,000	240,500	242,400	[4] 243,600

[1] Gold and silver are also produced from base-metal ores and placers. In 1962, dry and siliceous ores accounted for 47 percent of gold produced and 33 percent of silver.
[2] Excludes coinage.
[3] Treasury buying price, except for silver, 1930, 1962, and 1963, New York price.
[4] Preliminary.

Source of tables 1044–1046: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1047. Gold and Silver—Production, by States: 1930 to 1962

[In 1,000 fine ounces. Based upon arrivals at U.S. mints and assay offices and private refineries]

STATE	GOLD						SILVER					
	1930	1940	1950	1955	1960	1962	1930	1940	1950	1955	1960	1962
Total	2,101	4,863	2,289	1,877	1,680	1,556	50,627	68,287	42,309	36,470	36,800	36,345
Alaska	407	757	276	253	173	165	392	173	50	35	27	23
Arizona	149	299	111	128	158	141	4,910	6,130	5,089	4,600	5,338	5,300
California	450	1,444	410	248	125	106	1,434	2,225	1,000	600	188	135
Colorado	218	369	124	87	68	54	4,852	9,378	3,343	2,510	2,070	2,211
Idaho	21	145	69	10	6	6	9,710	17,477	15,993	14,000	17,814	17,000
Michigan	------	------	------	------	------	------	11	90	(1)	503	6	448
Missouri	------	------	------	------	------	------	188	145	233	350	81	693
Montana	47	273	57	26	46	27	8,597	12,152	7,178	5,829	3,970	4,479
Nevada	140	380	170	77	66	64	4,179	5,102	1,634	834	703	300
New Mexico	32	39	7	2	5	8	1,160	1,576	365	183	315	282
Oregon	14	114	10	2	1	1	10	192	12	7	(1)	5
South Dakota	406	587	572	527	551	570	105	171	143	153	109	127
Tennessee	1	(1)	(1)	(1)	(1)	(1)	86	39	26	61	123	116
Texas	(1)	(1)	(1)	------	------	------	469	1,295	4	(1)	------	(1)
Utah	209	352	392	442	314	315	14,451	11,686	6,799	6,270	5,132	4,700
Washington	4	84	89	74	163	100	30	389	358	420	696	334
Other States	2	18	2	2	3	2	45	66	79	115	229	192

[1] Less than 500 ounces.

Source: Treasury Dept., Bureau of the Mint; *Annual Report of the Director.*

No. 1048. Copper—Mine Production, by States: 1930 to 1963

[In short tons of recoverable copper]

STATE	1930	1940	1950	1955	1960	1961	1962	1963
Total	705,074	878,086	909,343	998,570	1,080,169	1,165,155	1,228,421	1,213,166
Arizona	288,095	281,169	403,301	454,105	538,605	587,053	644,242	660,977
California	13,643	6,438	646	613	1,087	1,382	1,162	916
Colorado	5,257	12,152	3,141	4,323	3,247	4,141	4,534	4,169
Idaho	1,556	3,349	2,107	5,618	4,208	4,328	3,861	4,172
Michigan	84,691	45,198	25,608	50,066	56,385	70,245	74,099	75,262
Montana	98,094	126,391	54,478	81,542	91,972	104,000	94,021	79,762
Nevada	54,602	78,454	52,569	78,925	77,485	78,022	82,602	81,738
New Mexico	32,575	69,848	66,300	66,417	67,288	79,606	82,683	83,037
Pennsylvania	------	(1)	4,142	4,110	[2] 7,907	[2] 8,934	[2] 6,108	4,434
Tennessee	(3)	[1] 12,732	6,851	9,911	12,723	12,272	14,298	13,717
Utah	90,263	231,864	278,630	232,949	218,049	213,534	218,018	203,095
Washington	603	9,612	5,057	3,958	78	66	41	[4] 70
Other States [5]	35,695	879	6,513	6,033	1,135	1,572	2,752	1,817

[1] North Carolina and Pennsylvania included in Tennessee.
[2] Includes North Carolina for 1960-1962, and Oregon for 1961 and 1962.
[3] Included in "Other States."
[4] Includes North Carolina and Oregon.
[5] Includes Alaska.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 1049. Copper—Summary: 1951 to 1963

[**In thousands of short tons, except as indicated.** Production figures include Alaska; imports and exports include Alaska, Hawaii, and Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series M 225–231]

ITEM	1951–1955 (avg.)	1955	1960	1961	1962	1963 (prel.)
New (primary) copper produced—						
From domestic ores, as reported by—						
Mines	923	999	1,080	1,165	1,228	1,210
Copper ore produced [1]	100,542	112,550	134,994	142,722	150,217	n.a.
Average yield of copper, percent	0.85	0.83	0.73	0.75	0.75	n.a.
Smelters	929	1,007	1,143	1,162	1,282	1,258
Percent of world total	0.28	0.28	0.23	0.23	0.24	n.a.
Refineries	920	997	1,121	1,181	1,214	1,219
From foreign ores, matte, etc., refinery reports	317	345	398	369	398	377
Total new refined, domestic and foreign	1,246	1,342	1,519	1,550	1,612	1,596
Secondary copper produced	925	989	871	849	922	960
Recovered from old scrap only	445	515	429	411	416	423
Imports (unmanufactured) [2]	595	594	524	458	479	539
Refined	255	202	143	67	99	118
Exports of metallic copper [3]	224	260	510	483	367	351
Refined (ingots and bars)	167	200	434	429	337	311
Stocks at end of year (producers)	230	235	359	285	317	304
Refined copper	34	34	98	49	71	52
Blister and materials in solution	196	201	261	236	246	252
Withdrawals (apparent) from total supply on domestic account:						
Total new copper	1,333	1,336	1,148	1,237	1,352	1,422
Total new and old copper (old scrap only)	1,779	1,851	1,577	1,648	1,768	1,845
Average price [4] cents per pound	28.8	37.3	32.1	30.0	30.8	30.8
World smelter production, new copper	3,280	3,630	4,990	5,090	5,300	n.a.

n.a. Not available.
[1] Includes old tailings smelted or re-treated. Not comparable with mine production figures, which include recoverable copper content of ores not classified as "copper."
[2] Data are for "general imports," i.e., include copper imported for immediate consumption plus material entering country under bond. Comprises copper in ingots, plates, and bars, ores and concentrates, regulus, blister, and scrap.
[3] Total exports of copper, exclusive of ore, concentrates, composition metal, and unrefined copper. Exclusive also of "Other copper manufactures," for which quantity figures are not recorded before 1953. Beginning 1960, data not strictly comparable with earlier years due to changes in classification.
[4] Exclusive of copper produced abroad and delivered in the United States.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1050. Copper—Exports and Imports: 1931 to 1962

[**Quantities in short tons; values in thousands of dollars.** Includes trade of Alaska, Hawaii, and Puerto Rico with foreign countries. Exports are those classed as "domestic" in foreign trade statistics but include copper smelted or refined in United States from imported ore or unrefined metal. Prior to 1952, values include all forms of copper; quantities represent all copper except some "Other copper manufactures" for which quantity data were not reported. For 1952 and subsequent years, export data exclude certain copper manufactures not reported separately]

YEARLY AVERAGE OR YEAR	EXPORTS [1]		IMPORTS [2]		YEAR	EXPORTS [1]		IMPORTS [2]	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1931–1935	246,658	39,920	211,116	29,662	1954	300,709	176,044	603,271	362,670
1936–1940	378,054	87,680	242,530	47,608	1955	253,098	190,634	587,538	455,041
1941–1945	208,423	79,333	780,000	164,752	1956	276,044	237,420	562,426	501,644
1946–1950	169,940	80,734	494,413	186,459	1957	425,304	264,213	590,667	383,387
1951–1955	211,681	136,460	607,547	388,283	1958	427,311	214,441	436,466	246,314
1956–1960	364,712	228,335	513,486	366,054	1959	181,483	107,068	409,834	297,616
1950	174,274	73,262	605,831	242,810	1960	513,418	318,984	568,037	401,308
1951	152,476	86,077	539,303	279,498	1961	477,615	281,525	430,478	278,560
1952	195,968	134,035	637,140	411,188	1962	361,903	218,598	419,404	272,670
1953	156,152	95,510	670,484	433,017					

[1] Includes shipments under foreign aid programs such as UNRRA, interim aid, European recovery, and mutual security; civilian supply shipments are included in 1948 and subsequent years.
[2] General imports prior to 1933; imports for consumption thereafter.

Source: Dept. of Commerce, Bureau of the Census; prior to 1947, *Foreign Commerce and Navigation of the United States;* thereafter, *Quarterly Summary of Foreign Commerce of the United States*, and unpublished data.

No. 1051. Lead—Summary: 1930 to 1963

[In short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 232-238]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Smelter production of refined primary lead	643,033	533,179	508,314	479,157	382,436	449,565	376,063	394,732
From domestic ores and base bullion [1]	573,740	433,065	418,809	321,132	228,899	288,078	245,645	239,660
From foreign ores and base bullion	69,293	100,114	89,505	158,025	153,537	161,487	130,418	155,072
Recovery of secondary lead	255,800	260,346	482,275	502,051	469,903	452,792	444,202	493,471
Imports: [2]								
Lead in pigs, bars, and old	209	151,568	461,827	284,729	213,671	261,794	259,522	n.a.
Lead in base bullion	38,630	19,624	3,488	----------	293	422	4,599	n.a.
Lead in ores and matte	39,377	111,300	76,520	177,479	145,692	147,186	138,906	n.a.
Exports of refined pig lead [3]	[4] 48,307	23,755	2,735	403	1,907	2,133	2,108	n.a.
Consumption of primary and secondary lead	[5] 768,600	[5] 782,000	1,237,981	1,212,644	1,021,172	1,027,216	1,109,635	1,163,358
Prices (cents per pound):								
New York average	5.52	5.18	13.30	15.14	11.95	10.87	9.63	n.a.
London average	3.92	([6])	13.29	12.19	9.04	8.03	7.06	7.93
Mine production of recoverable lead [7]	558,313	457,392	430,827	338,025	246,669	261,921	236,956	253,369
World smelter production (estimate)	1,869,000	1,936,000	1,850,000	2,250,000	2,560,000	2,665,000	2,665,000	n.a.

[1] Excludes lead content of antimonial lead.
[2] Data are "general imports," i.e., include lead imported for immediate consumption plus material entering country under bond.
[3] Pigs, bars, and anodes.
[4] Represents pigs, bars, and old.
[5] Source: Estimated by American Bureau of Metal Statistics.
[6] Official maximum price fixed by British Ministry of Supply at £25 per long ton. London Metal Exchange dealings suspended for duration of war.
[7] Includes Alaska.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1052. Lead, Recoverable—Mine Production, by States: 1930 to 1963

[In short tons]

STATE	1930	1940	1950	1955	1960	1961	1962	1963
Total	**558,313**	**457,392**	**430,827**	**338,025**	**246,669**	**261,921**	**236,956**	**253,369**
Arizona	4,246	13,266	26,383	9,817	8,495	5,937	6,966	5,815
Colorado	22,130	11,476	27,007	15,805	18,080	17,755	17,411	19,918
Idaho	134,058	104,834	100,025	64,163	42,907	71,476	84,058	75,759
Illinois	248	1,508	2,729	4,544	3,000	3,430	3,610	2,901
Missouri	199,632	172,052	134,626	125,412	111,948	98,785	60,982	79,844
Montana	10,653	23,036	19,617	17,028	4,879	2,643	6,121	5,000
Oklahoma	23,052	21,240	20,724	14,126	936	980	2,710	3,192
Utah	115,495	75,688	44,753	50,452	39,398	40,894	38,199	45,028
Virginia [1]	8,367	4,831	4,851	4,036	3,351	4,930	5,392	4,571
Washington	576	2,555	10,334	10,340	7,725	8,053	6,033	5,374
Other States [2]	39,856	26,906	39,778	22,302	5,950	7,038	5,474	5,967

[1] New York and Tennessee included with Virginia for all years; North Carolina included beginning 1955.
[2] Includes Alaska.

Source: Dept. of the Interior, Bureau of Mines, *Minerals Yearbook*.

No. 1053. Zinc—Production and Prices: 1930 to 1963

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1957*, series M 239-240, for production]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Smelter production of primary slab zinc								
1,000 short tons	498	675	843	964	[1] 800	[1] 847	[1] 879	n.a.
Value ... $1,000	47,812	85,085	240,051	236,829	205,476	193,916	201,733	n.a.
Source:								
From domestic ores 1,000 short tons	489	590	588	583	334	413	448	n.a.
From foreign ores ... 1,000 short tons	9	85	255	381	465	434	431	n.a.
Method:								
Electrolytic ... percent of total	26	28	41	40	40	38	40	n.a.
Distilled ... percent of total	74	72	59	60	60	62	60	n.a.
Production of redistilled secondary slab zinc ... 1,000 short tons	[2] 35	49	67	66	69	55	59	55
Average price of common zinc at—								
East St. Louis ... cents per pound	4.56	6.34	13.88	12.30	12.95	11.55	11.63	12.01
London [3] ... cents per pound	3.60	n.a.	14.89	11.30	11.05	9.78	8.43	9.60
Mine production of recoverable zinc								
1,000 short tons	595	665	623	515	435	464	505	529
Arizona	1	15	60	23	36	30	33	25
Colorado	36	5	46	35	31	43	43	48
Idaho	38	71	88	53	37	58	63	63
Illinois	(4)	5	27	22	30	27	27	20
Kansas	74	57	27	28	2	2	4	4
Montana	26	53	68	69	13	10	38	33
New Jersey	98	91	55	12	----------	(4)	15	33
New Mexico	33	30	29	15	14	23	22	13
New York	22	36	38	53	66	55	54	54
Oklahoma	136	163	47	42	2	3	10	13
Pennsylvania	----------	----------	----------	----------	14	23	24	27
Tennessee	[5] 48	35	35	40	91	82	72	96
Utah	45	44	32	44	35	37	34	36
Virginia	(5)	17	12	18	20	29	26	24
Washington	(4)	11	15	29	21	20	22	22
Wisconsin	13	6	6	18	18	14	13	15
Other States [6]	25	26	38	14	5	8	5	3
World smelter production (estimate) 1,000 short tons	1,536	1,786	2,170	2,930	3,280	3,560	3,650	n.a.

n.a. Not available.
[1] Includes production of zinc used directly in alloying operations.
[2] Includes small quantity of secondary electrolytic zinc.
[3] Average price for foreign zinc, based on average rates of exchange recorded by Federal Reserve Board.
[4] Less than 500 short tons.
[5] Virginia included with Tennessee.
[6] Includes Alaska, Arkansas, California, Kentucky, Missouri, Nevada, and Oregon.
Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1054. Tin—Summary: 1930 to 1963

[**In long tons.** Production figures for domestic mines include Alaska; imports and exports include Alaska, Hawaii, and Puerto Rico]

ITEM	1930	1940	1945	1950	1955	1960	1963 (prel.)
Production:							
Domestic mines	15	49	----------	94	99	10	(1)
Domestic smelters [2]	----------	1,391	40,475	33,118	22,329	(1)	(1)
Secondary sources	23,393	29,700	31,400	31,680	28,340	22,050	22,332
Imports for consumption:							
Metal	80,734	124,810	8,493	82,838	64,815	39,538	43,601
Ore (tin content)	289	3,000	33,479	25,960	20,112	14,026	(3)
Exports (domestic and foreign)	2,233	[4] 2,664	882	799	1,107	857	1,625
Monthly price of Straits tin at New York, average cents per pound [5]	31.70	49.82	[6] 52.00	95.56	94.73	101.40	116.64
Consumption	[7] 78,501	97,154	83,583	104,464	90,483	80,560	78,303
World mine production (estimate) [8]	176,000	238,300	87,000	169,300	197,200	181,500	191,000

[1] Withheld to avoid disclosure of individual company data.
[2] Includes tin content of ores used to make alloys.
[3] 793 long tons (tin content), January-August, and 2,140 long tons (gross weight), September-December.
[4] Foreign only, domestic not separately recorded.
[5] Source: *American Metal Market*. [6] Ceiling price.
[7] Apparent consumption, primary only.
[8] Prior to 1955, excludes production of U.S.S.R.
Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1055. Bauxite—Summary: 1930 to 1963

[**Quantities in thousands of long tons; values in thousands of dollars.** Beginning 1960, includes Alaska and Hawaii; imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See *Historical Statistics, Colonial Times to 1957*, series M 249, for production]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Production:								
Crude ore	--------	510	1,585	2,139	2,409	1,479	1,643	1,831
Dried-bauxite equivalent	--------	439	1,335	1,788	1,998	1,228	1,369	1,525
Value	--------	1,754	7,693	14,543	21,107	13,937	15,609	17,234
Shipments: [1]								
Gross weight [2]	--------	--------	1,452	2,012	1,925	1,284	1,765	1,687
Dried-bauxite equivalent	--------	--------	1,337	1,727	1,654	1,123	1,534	1,406
Value	--------	--------	9,549	15,559	19,559	13,718	18,144	16,082
Imports (crude and dried), quantity [3]	410	630	2,516	4,882	8,739	9,206	10,585	9,170
Value	1,996	4,299	15,730	36,656	78,024	88,814	122,190	114,077
Exports, quantity [2]	105	82	45	14	29	151	259	203
Value	3,777	1,543	1,156	528	2,588	12,189	19,874	15,696
World production (estimate)	1,603	4,321	8,050	17,500	27,015	28,805	29,940	29,835

[1] Shipments from mines and processing plants to consumers. [2] As shipped.
[3] Beginning 1955, import figures adjusted to dry equivalent for Jamaican, Haitian, and Dominican Republic bauxite. Other imports on "as shipped" basis.

No. 1056. Aluminum—Summary: 1930 to 1963

[**Quantities in short tons; values in thousands of dollars.** Beginning 1960, includes Alaska and Hawaii; imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See also *Historical Statistics, Colonial Times to 1957*, series M 251–255]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Total production	153,119	286,642	962,288	1,901,715	2,343,948	2,244,179	2,517,880	2,813,712
Value	68,138	104,624	316,046	830,800	1,201,321	1,123,407	1,190,000	1,286,000
Primary aluminum:								
Production	114,519	206,280	718,622	1,565,721	2,014,498	1,903,711	2,117,929	2,312,528
Value	50,961	75,292	235,977	684,038	1,030,007	949,768	998,559	1,058,537
Price per pound (cents) [1]	23.8	18.7	17.7	23.7	26.0	25.5	23.9	22.6
Secondary aluminum:								
Production (recovered) [2]	38,600	80,362	243,666	335,994	329,450	340,246	399,951	501,184
From old scrap	38,600	45,806	76,358	76,372	62,703	102,137	109,098	114,767
From new scrap		34,556	167,308	259,622	266,747	238,109	290,853	386,417
Value [3]	17,177	29,332	80,069	146,762	171,314	173,639	191,000	227,000
Imports, quantity [4]	12,731	18,084	255,692	239,475	196,425	254,535	373,205	466,099
Value [5]	4,690	4,737	67,533	105,061	103,278	125,987	167,571	191,445
Exports, quantity [4]	8,665	27,841	23,236	33,834	383,929	238,131	258,707	291,626
Value [5]	3,916	17,919	13,345	19,692	174,414	112,591	125,631	136,926
Total apparent consumption	108,601	305,870	1,200,493	2,111,224	2,015,644	2,320,417	2,705,229	3,035,762
World production (estimate)	297,000	868,000	1,640,000	3,460,000	4,985,000	5,205,000	5,595,000	6,095,000

[1] As quoted. 99+ percent virgin ingot. The use of the term "pig" was discontinued in August 1960. The former pig price is now applied to ingot. Source: *American Metal Market*.
[2] Through 1950, recoverable aluminum-alloy content; thereafter, recoverable aluminum content.
[3] Based upon average price of primary aluminum as reported to Bureau of Mines, or as quoted by the *Engineering and Mining Journal* and the *American Metal Market*.
[4] Crude and semicrude (including metal and alloys, plates, bars, etc., and scrap).
[5] Beginning 1955, not comparable with earlier years.

No. 1057. Magnesium—Summary: 1930 to 1963

[**In short tons, except as indicated.** Beginning 1960, includes Alaska and Hawaii; imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See also *Historical Statistics, Colonial Times to 1957*, series M 256–258, for production]

ITEM	1930	1940	1950	1955	1960	1961	1962	1963
Production:								
Primary magnesium, ingot equivalent	587	6,261	15,726	61,135	40,070	40,745	68,955	75,845
Secondary magnesium, ingot equivalent	--------	n.a.	9,476	10,246	10,348	8,125	9,610	14,553
Average price per pound, primary (quoted) cents	48.0	27.0	22.0	29.5	35.25	35.25	35.25	35.25
Exports: [1]								
Metal and alloys in crude form and scrap	n.a.	859	586	8,230	4,467	6,160	6,426	3,268
Semifabricated forms, powder, etc	n.a.	n.a.	322	[2] 260	665	521	615	723
Imports, metallic and scrap	3	--------	843	1,844	401	1,005	2,359	1,982
Domestic consumption	n.a.	[3] 5,766	18,051	46,463	37,100	45,533	47,320	51,240
World primary production (estimate)	n.a.	42,000	50,000	132,000	102,600	115,400	145,900	154,800

n.a. Not available.
[1] Beginning 1959, some material formerly included with metals and alloys in crude form and scrap, included with semifabricated forms, etc.
[2] Not strictly comparable with earlier years.
[3] Primary and secondary. Other years primary only.

Source of tables 1055–1057: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

FIG. XLII. VALUE OF NEW CONSTRUCTION: 1960 TO 1963

[See table 1058]

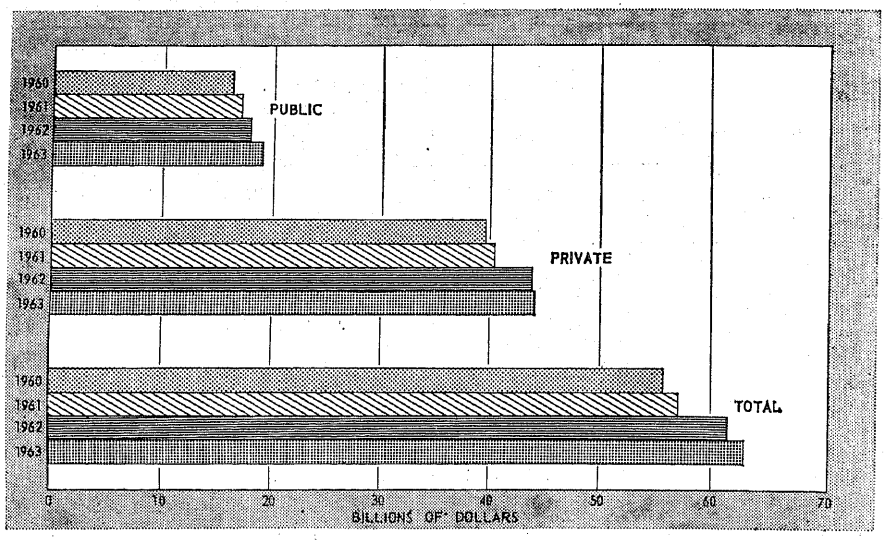
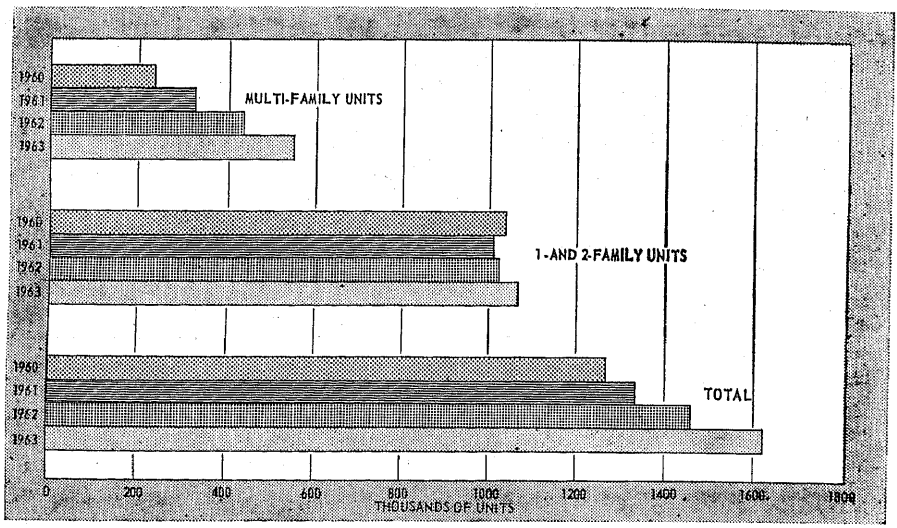


FIG. XLIII. NEW NONFARM HOUSING UNITS STARTED: 1960 TO 1963

[See table 1075]



Source of figs. XLII and XLIII: Dept. of Commerce, Bureau of the Census.

Section 28

Construction and Housing

This section presents various measures of construction activity and costs; housing units; housing values, facilities, and structural characteristics; and residential financing.

The principal sources of these data are the monthly *Construction Reports* series (see below), reports of the decennial Census of Housing, and the *1956 National Housing Inventory*, published by the Bureau of the Census; and the monthly *Construction Review*, published by the Business and Defense Services Administration. Other sources, specializing in particular types of construction or housing statistics, include the monthly *Dodge Construction Statistics Services* of F. W. Dodge Company, a Division of McGraw-Hill, Inc., which presents State data on construction contracts; the *Engineering News-Record*, issued weekly by McGraw-Hill, Inc., which contains figures on construction costs; the *Annual Report* of the Housing and Home Finance Agency which presents public housing statistics from its Public Housing Administration, Federal Housing Administration, and other agencies; and the *Annual Report* of the Federal Home Loan Bank Board, which presents home mortgage data. Monthly data on characteristics of vacant housing units are collected by the Bureau of the Census and presented quarterly in its *Current Housing Reports*.

Statistics prepared by the Bureau of the Census and published in the *Construction Reports* series are described below.

Construction.—Monthly estimates of the value of construction put in place appear in *Construction Reports: Construction Activity*. Construction estimates for buildings such as stores, warehouses, and factories are based on F. W. Dodge Company reports of construction contracts, supplemented by building permit data. Public utility construction estimates are derived from data compiled by the Interstate Commerce Commission and other Federal regulatory agencies, and by private associations and organizations such as the American Gas Association, the Edison Electric Institute, and the American Telephone and Telegraph Company.

Statistics for most types of State and local governmental construction are derived from data compiled by the F. W. Dodge Company, supplemented by reports issued by construction news services such as the *Engineering News-Record* and from official reports issued by State and local government agencies. Estimates of federally financed construction, federally aided construction programs, and State and local highway construction are derived by the Bureau of the Census from reports of the responsible Federal agencies. Estimates of private residential construction activity are based primarily upon the housing starts statistics compiled by the Bureau.

Monthly statistics on the number of housing units authorized by building permits, based on reports provided monthly by over 3,000 relatively active permit-issuing places and annually by the 12,000 known permit-issuing jurisdictions, appear in *Construction Reports: Building Permits*.

Annual statistics on expenditures for residential additions, alterations, repairs, maintenance, and replacements are published in *Construction Reports: Residential Alterations and Repairs*. (Survey suspended in 1964 pending review and modification.) Statistics are based on expenditures reported by owners and renters of a sample of single and multifamily properties, including nonfarm and farm, privately and publicly owned, and occupied and vacant housing units.

Monthly statistics on the start of construction of total, single-family, and multifamily housing units in housekeeping residential buildings are published in *Construction Reports: Housing Starts*. The statistics are derived from monthly sample surveys which measure the relationship between housing units authorized by permits and the

number of units on which construction started. Housing starts in areas which do not issue permits are measured directly by a monthly survey in a sample of such areas.

Monthly statistics supplemented by additional quarterly data on the number of one-family homes sold and for sale, compiled by the Bureau of the Census under the sponsorship of the Housing and Home Finance Agency, are published in *Construction Reports: Housing Sales*. Statistics are based on samples of homes authorized by building permits and of homes started in areas without permit systems.

Housing.—From 1850 through 1930, the Bureau of the Census collected some housing data in conjunction with Censuses of Population and Agriculture. Beginning in 1940, full-fledged censuses of Housing have been taken at 10-year intervals. The most recent Census, taken as of April 1, 1960, provided data on occupancy and structural characteristics, condition, plumbing facilities, equipment, fuels, and financing. It also included data on components of inventory change (new construction, conversion, merger, demolition, and other gains and losses) for 1950–60 and 1957–60.

Housing data were collected by the Bureau of the Census in sample surveys in October 1944, November 1945, April 1947, and May 1948 as part of the Current Population Survey (see p. 1). In 1955, the Bureau began a monthly vacancy survey, results of which are issued on a quarterly basis. A National Housing Inventory, conducted in 1956, provided measurements of the housing supply for the nation as a whole and for selected metropolitan areas, and information on components of change during the 1950–56 period.

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) a kitchen or cooking equipment for the exclusive use of the occupants. Transient accommodations (tourist courts, hotels, etc.), barracks for workers (railroad, construction, etc.), and institutional-type quarters are not included in the housing-unit inventory.

In the 1950 Census, the unit of enumeration was the dwelling unit. Although the definition of housing unit in 1960 is essentially similar to that of dwelling unit in 1950, the housing unit definition was designed to encompass all separate living quarters, whereas the dwelling unit definition did not. The main difference was in the treatment of 1-room quarters. Nevertheless, the change in definition between 1950 and 1960 had relatively little effect on comparability of the data at national and State levels.

Residential financing.—As early as 1890, the Bureau of the Census (then Census Division of the Department of Interior) collected detailed statistics on residential mortgages. As part of the 1920 and 1940 Censuses, mortgage questions were asked of owners who occupied their own homes. In 1950, the census included a separate survey on residential financing, covering nonfarm residential mortgaged properties, both owner and renter. As part of the 1956 National Housing Inventory, data were collected on the financing of owner-occupied nonfarm properties. In 1960, the Residential Finance Survey program of the Census of Housing covered financing of both home owner and rental properties and characteristics of nonmortgaged as well as mortgaged properties.

Data on home mortgages and foreclosures, based largely on reports from major holders, are provided by the Federal Home Loan Bank Board. The Federal Housing Administration compiles, from its records, data on its real estate financial operations, such as volume of mortgages insured, type of lending institution, etc. The Veterans Administration also compiles, from its records, data on amounts and types of loans.

Urban, rural, and farm-nonfarm residence.—See section 1, "Population," for 1960 definitions of urban, rural, and farm-nonfarm residence.

Alaska and Hawaii.—Statements specifying inclusion or exclusion of figures for Alaska and Hawaii appear in the headnotes to each table unless the inclusion or exclusion is self-evident.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

No. 1058. Value of Private and Public Construction: 1950 to 1963

[In millions of dollars. Beginning 1959, includes Alaska and Hawaii. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed value of equipment which is integral part of structure but not that of machinery, shipbuilding, or land costs. For complete series beginning 1946, see Department of Commerce, Bureau of the Census, *Construction Reports*, Series C 30-60 (supplement). For 1915 to 1945, *see Historical Statistics, Colonial Times to 1957*, series N 1-28]

TYPE OF CONSTRUCTION	1950	1955	1958	1959	1960	1961	1962	1963
Total	**45,630**	**62,377**	**67,711**	**74,262**	**73,151**	**75,197**	[1] **59,453**	[1] **62,451**
New construction	**33,575**	**46,519**	**50,153**	**55,305**	**53,941**	**55,447**	**59,453**	**62,451**
Private	26,709	34,804	34,696	39,235	38,078	38,299	41,695	43,772
Residential buildings (nonfarm)	18,126	21,877	19,789	24,251	[2] 21,706	[2] 21,680	[2] 24,292	[2] 25,843
New housing units	15,551	18,242	15,445	19,233	16,410	16,189	18,638	20,064
Additions and alterations	2,400	3,296	3,711	4,253	n.a.	n.a.	n.a.	n.a.
Nonhousekeeping	175	339	633	765	865	1,060	1,223	1,341
Nonresidential buildings [3]	3,904	7,611	8,675	8,859	10,149	10,734	11,526	11,859
Industrial buildings	1,062	2,399	2,382	2,106	2,851	2,780	2,949	2,962
Commercial	1,415	3,218	3,589	3,930	4,180	4,674	4,955	5,200
Office buildings and warehouses	529	1,311	2,013	1,954	2,121	2,398	2,570	2,932
Stores, restaurants, and garages	886	1,907	1,576	1,976	2,059	2,276	2,385	2,268
Other nonresidential buildings	1,427	1,994	2,704	2,823	3,118	3,280	3,622	3,697
Religious	409	734	863	947	1,013	1,003	1,036	1,007
Educational	294	492	574	525	566	609	647	683
Hospital and institutional	344	351	600	570	605	771	870	1,056
Social and recreational	247	239	424	550	638	616	768	622
Miscellaneous	133	178	243	231	246	281	301	329
Farm construction	1,522	1,385	1,355	1,397	1,321	1,300	1,282	1,266
Operator dwellings	642	532	514	532	500	488	482	475
Other farm construction	880	853	841	865	821	812	800	791
Public utilities	3,045	3,770	4,688	4,521	4,621	4,335	4,318	4,494
Telephone and telegraph	440	805	904	951	1,088	980	994	1,125
Other public utilities	2,605	2,965	3,784	3,570	3,533	3,355	3,324	3,369
Railroads	269	321	267	218	270	213	203	219
Electric light and power [4]	1,240	1,572	2,291	2,007	2,026	1,886	1,899	1,953
Gas (manufactured and natural)	859	922	1,065	1,214	1,105	1,147	1,031	953
Petroleum pipelines [5]	237	150	161	131	132	109	191	244
All other private	112	161	189	207	281	250	277	310
Public	6,866	11,715	15,457	16,070	15,863	17,148	17,758	[2] 18,679
Residential buildings	345	266	846	962	716	842	938	782
Nonresidential buildings	2,387	4,196	4,653	4,514	4,795	5,169	5,145	5,524
Industrial	224	721	408	368	407	472	422	448
Educational	1,133	2,442	2,875	2,656	2,818	3,052	2,984	3,043
Hospital and institutional	499	300	390	428	401	369	397	454
Administrative and service	213	331	532	568	599	679	676	806
Other nonresidential buildings	318	402	448	494	570	597	666	773
Military facilities	177	1,287	1,402	1,465	1,366	1,371	1,222	n.a.
Highways	2,134	3,852	5,545	5,761	5,437	5,854	6,378	6,670
Sewer and water systems	659	1,085	1,387	1,467	1,487	1,581	1,754	1,966
Sewer	383	615	836	906	882	914	1,072	1,190
Water	276	470	551	561	605	667	682	776
Public service enterprises	160	233	451	551	649	587	478	464
Conservation and development	942	701	1,019	1,121	1,175	1,384	1,460	1,553
All other public	62	95	154	229	238	360	383	397
Maintenance and repair	**12,055**	**15,858**	**17,558**	**18,957**	**19,210**	**19,750**	**n.a.**	**n.a.**

n.a. Not available.
[1] Excludes value of "Maintenance and repair."
[2] Includes estimates for data not available separately.
[3] Excludes building by privately owned public utilities.
[4] Includes construction with REA funds.
[5] Includes local transit through 1958.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C 30.

No. 1059. Value of New Private and Public Construction in 1957–59 Prices, and Index of Physical Volume: 1950 to 1963

[*In millions of dollars.* Beginning 1959, includes Alaska and Hawaii. For description and computation of the various indexes used in the derivation of constant values, see source. Represents value of construction *put in place.* For complete series beginning 1946, see Department of Commerce, Bureau of the Census, *Construction Reports,* Series C 30–60 (supplement). For 1915 to 1945, see *Historical Statistics, Colonial Times to 1957,* series N 29–54]

TYPE OF CONSTRUCTION	1950	1955	1958	1959	1960	1961	1962	1963
New construction	43,576	51,717	50,270	54,222	52,171	53,087	55,761	57,110
Index of physical volume (1957–59 =100)	*118*	*140*	*136*	*147*	*141*	*144*	*151*	*155*
Private	34,309	38,394	34,868	38,218	36,518	36,428	38,959	39,959
Residential buildings (nonfarm)	22,447	23,649	19,930	23,641	[1] 20,824	[1] 20,725	[1] 22,824	[1] 23,791
New housing units	19,257	19,722	15,552	18,751	15,747	15,474	17,508	18,465
Additions and alterations	2,975	3,562	3,739	4,144	n.a.	n.a.	n.a.	n.a.
Nonhousekeeping	215	365	639	746	828	1,014	1,151	1,236
Nonresidential buildings [2]	5,321	8,668	8,679	8,614	9,690	10,004	10,490	10,476
Industrial	1,447	2,807	2,392	2,080	2,803	2,712	2,833	2,774
Commercial	1,930	3,623	3,584	3,799	3,943	4,275	4,392	4,468
Office buildings and warehouses	727	1,485	2,009	1,886	1,995	2,178	2,243	2,487
Stores, restaurants, and garages	1,203	2,138	1,575	1,913	1,948	2,097	2,149	1,981
Other nonresidential buildings	1,944	2,238	2,703	2,735	2,944	3,017	3,265	3,234
Religious	558	823	864	916	958	923	935	881
Educational	399	553	574	508	535	560	584	598
Hospital and institutional	470	395	600	554	569	708	785	923
Social and recreational	336	268	422	534	648	567	691	545
Miscellaneous	181	199	243	223	234	259	270	287
Farm construction	1,909	1,511	1,384	1,359	1,270	1,248	1,228	1,187
Operator dwellings	785	573	518	519	480	469	460	445
Other farm construction	1,124	938	866	840	790	779	768	742
Public utilities	4,470	4,384	4,686	4,407	4,474	4,226	4,171	4,240
Telephone and telegraph	574	865	913	933	1,059	961	961	1,041
Other public utilities	3,896	3,519	3,773	3,474	3,415	3,265	3,210	3,199
Railroads	363	366	266	215	261	211	195	201
Electric light and power	1,879	1,866	2,286	1,963	1,980	1,876	1,884	1,912
Gas	1,308	1,110	1,060	1,171	1,047	1,071	947	857
Petroleum pipelines [3]	346	177	161	125	127	107	184	229
All other private	162	182	189	197	260	225	246	265
Public	9,267	13,323	15,402	16,004	15,653	16,659	16,802	[1] 17,151
Residential buildings	430	288	852	941	686	803	882	723
Nonresidential buildings	3,252	4,751	4,656	4,387	4,551	4,790	4,668	4,856
Industrial	304	848	411	363	402	461	408	421
Educational	1,543	2,742	2,879	2,579	2,664	2,813	2,692	2,661
Hospital and institutional	682	338	390	418	380	342	358	397
Administrative and service	290	373	528	549	566	624	610	701
Other nonresidential buildings	433	450	448	478	539	550	600	676
Military facilities	234	1,467	1,398	1,449	1,336	1,320	1,141	n.a.
Highways	2,722	4,396	5,489	5,993	5,758	6,152	6,461	6,560
Sewer and water systems	947	1,238	1,385	1,403	1,380	1,431	1,550	1,684
Sewer	550	702	835	867	817	827	947	1,020
Water	397	536	550	536	563	604	603	664
Public service enterprises	241	277	451	538	634	582	473	455
Conservation and development	1,351	799	1,017	1,073	1,089	1,255	1,288	1,330
All other public	90	107	154	220	219	326	339	343

n.a. Not available.
[1] Includes estimates for data not available separately.
[2] Excludes building by privately owned public utilities.
[3] Beginning 1955, includes local transit.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports,* Series C 30.

No. 1060. Value of New Construction, by Type, for Selected Months: 1962 to 1964

[In millions of dollars. Includes Alaska and Hawaii.]

Type of construction	1962					1963					1964, June (prel.)
	Apr.	June	Aug.	Oct.	Dec.	Apr.	June	Aug.	Oct.	Dec.	
New construction	**4,462**	**5,550**	**5,734**	**5,699**	**4,837**	**4,597**	**5,785**	**5,999**	**6,071**	**5,260**	**6,050**
Private	**3,198**	**3,862**	**3,985**	**3,835**	**3,468**	**3,345**	**3,974**	**4,088**	**4,101**	**3,760**	**4,187**
Residential (nonfarm) [1]	1,906	2,377	2,377	2,210	1,965	2,018	2,495	2,446	2,408	2,153	2,557
New housing units	1,354	1,709	1,883	1,758	1,568	1,458	1,825	1,943	1,940	1,734	1,863
Nonhousekeeping	91	105	111	110	106	99	106	119	126	127	130
Nonresidential buildings	844	985	1,065	1,050	998	860	947	1,066	1,099	1,070	1,086
Industrial	230	247	257	262	262	231	227	243	261	270	258
Commercial	342	430	472	459	436	364	417	483	493	471	480
Office buildings and warehouses	184	209	231	246	251	217	232	255	265	274	273
Stores, restaurants, and garages	158	221	241	213	185	147	185	228	228	197	207
Other nonresidential buildings	272	308	336	329	300	265	303	340	345	329	348
Religious	76	85	94	95	89	74	83	92	91	83	83
Educational	48	52	59	58	55	49	56	63	64	61	58
Hospital and institutional	68	74	78	77	74	74	81	96	105	109	127
Social and recreational	59	69	77	71	58	47	53	56	54	48	46
Miscellaneous	21	28	28	28	24	21	30	33	31	28	34
Farm construction	98	109	122	112	102	96	107	120	111	101	106
Public utilities	332	368	394	435	379	351	395	423	455	414	402
Telephone and telegraph	81	88	90	91	84	94	93	103	120	113	98
Other public utilities	251	280	304	344	295	257	302	320	335	301	304
All other private	18	23	27	28	24	20	30	33	28	22	36
Public	**1,264**	**1,688**	**1,749**	**1,864**	**1,369**	**1,252**	**1,811**	**1,911**	**1,970**	**1,500**	**1,863**
Residential	83	79	75	73	68	66	65	66	64	62	62
Nonresidential buildings	430	472	464	463	387	445	518	493	523	458	552
Industrial	37	44	26	37	30	41	45	30	39	35	(2)
Educational	245	265	269	269	234	246	269	274	282	250	300
Hospital and institutional	34	34	36	35	33	39	39	40	41	39	44
Administrative and service	55	62	71	63	46	59	71	87	81	62	80
Other nonresidential buildings	59	67	62	59	44	60	94	62	80	72	86
Military facilities	104	121	109	109	107	78	141	148	(2)	(2)	(2)
Highways	326	634	701	830	515	321	694	765	837	549	(2)
Sewer and water systems	144	159	169	156	133	150	172	194	185	162	212
Sewer	88	98	105	95	82	92	105	118	110	98	130
Water	56	61	64	61	51	58	67	76	75	64	82
Public service enterprises	36	44	54	46	29	33	45	59	42	27	48
Conservation and development	108	145	141	153	103	126	139	148	159	106	(2)
All other public	33	34	36	34	27	33	37	38	37	29	40

[1] Includes estimates for "additions and alterations."
[2] Not available; estimate included in total.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C 30.

No. 1061. Building Permit Activity—Value of Private Construction, by Type: 1959 to 1963

[In millions of dollars. Includes Alaska and Hawaii. Covers private construction authorized by building permits in 3,014 permit-issuing places]

Type of construction	1959	1960	1961	1962	1963 (prel.)
Total	**19,881**	**17,988**	**18,946**	**20,577**	**21,796**
New housing units	12,379	10,311	11,027	12,278	13,259
1-family	10,487	8,482	8,411	8,666	8,991
2- to 4-family	1,892	463	491	642	890
5-or-more-family		1,366	2,125	2,970	3,377
Nonhousekeeping	429	300	403	409	338
New nonresidential buildings	5,176	5,478	5,544	5,881	6,017
Industrial buildings	923	932	898	991	1,156
Office buildings	915	969	951	1,102	1,119
Service stations and repair garages	(1)	114	132	131	140
Stores and other mercantile buildings	1,117	1,070	1,142	1,213	1,123
Religious buildings	486	444	447	473	435
Educational buildings	(1)	437	518	507	541
Hospitals and other institutional buildings	(1)	337	443	530	602
Amusement buildings	(1)	193	238	162	149
Residential garages	198	173	161	172	187
All other nonresidential buildings	(1)	810	615	600	566
Additions and alterations	1,897	1,899	1,971	2,009	2,182

[1] Not shown separately but included in new nonresidential buildings total.

Source: Dept. of Commerce, Bureau of the Census. In Dept. of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1062. Value of New Public Construction, by Source of Funds, Ownership, and Type: 1950 to 1963

[In millions of dollars. Beginning 1959, includes Alaska and Hawaii. For complete series beginning 1946, see Department of Commerce, Bureau of the Census, *Construction Reports*, Series C 30-60 (supplement). For 1915 to 1945, see *Historical Statistics, Colonial Times to 1957*, series N 55-58, for source of funds]

ITEM	1950	1955	1958	1959	1960	1961	1962	1963
New public construction	*6,866*	*11,715*	*15,457*	*16,070*	*15,863*	*17,148*	*17,758*	*18,679*
Federal funds	2,078	3,508	5,493	6,435	5,891	6,224	6,358	7,108
Direct Federal	1,624	2,769	3,387	3,724	3,622	3,798	3,800	4,126
Federal grants-in-aid [1]	454	739	2,106	2,711	2,269	2,426	2,558	2,982
State and local funds	4,788	8,207	9,964	9,635	9,972	10,924	11,400	11,571
Federally owned	1,624	2,769	3,387	3,724	3,622	3,798	3,800	4,126
Residential	15	2	357	488	288	290	201	57
Nonresidential buildings	499	802	607	660	736	807	881	1,070
Industrial	224	721	408	368	407	472	422	448
Educational	-------	6	11	11	20	28	29	26
Hospital	146	22	35	58	56	55	55	66
Other nonresidential	129	53	153	223	253	252	375	530
Military facilities	177	1,287	1,402	1,465	1,366	1,371	1,222	(2)
Highways	45	70	113	94	136	134	164	208
Conservation and development	881	598	885	972	1,005	1,119	1,238	1,393
All other Federally owned	7	10	23	45	91	77	94	75
State and locally owned	*5,242*	*8,946*	*12,070*	*12,346*	*12,241*	*13,350*	*13,958*	*14,553*
Residential	330	264	489	474	428	552	737	725
Nonresidential buildings	1,888	3,394	4,046	3,854	4,059	4,362	4,264	4,454
Educational	1,133	2,436	2,864	2,645	2,798	3,024	2,955	3,017
Hospital	353	278	355	370	345	314	342	388
Other nonresidential	402	680	827	839	916	1,024	967	1,049
Highways	2,089	3,782	5,432	5,667	5,301	5,720	6,214	6,462
Sewer and water systems	659	1,085	1,387	1,467	1,487	1,581	1,754	1,966
All other State and locally owned	276	421	716	884	966	1,135	989	946

[1] Construction programs currently receiving Federal grants-in-aid cover highways, schools, hospitals, airports, and miscellaneous community facilities.
[2] Not available; estimate included in totals.

Source: Dept. of Commerce, Bureau of the Census. In Dept. of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1063. Expenditures for Residential Upkeep and Improvements, by Tenure and Size of Property: 1963

[In millions of dollars, except averages. Includes Alaska and Hawaii. Based on sample and subject to sampling variability. Not comparable with previous data. See source for definitions, coverage, and methodology]

TYPE OF EXPENDITURE	Total, all properties	Owner occupants of properties with 1 to 4 units			Nonresident owners, and owners of properties with 5 or more housing units	Renters
		Total	1 housing unit	2 to 4 housing units		
Total	**11,733**	**7,852**	**6,760**	**1,092**	**3,555**	**326**
Average expenditure per property owner	262	----------	224	312	321	----------
Upkeep [1]	5,187	2,875	2,401	474	2,135	177
Heating and central air conditioning	298	188	148	40	103	7
Plumbing	697	341	279	62	338	18
Roofing	322	183	155	28	132	7
Flooring	220	175	148	27	34	11
Painting	2,315	1,312	1,119	193	896	107
Other	1,335	676	552	124	632	27
Improvements	6,546	4,977	4,359	618	1,420	149
Additions to residential structure	1,172	878	785	93	264	30
Additions and alterations on property outside residential structure	1,131	927	886	41	197	7
Alterations within residential structure	2,500	1,885	1,585	300	539	76
Heating and central air conditioning	150	125	120	5	23	2
Plumbing	173	111	106	5	55	7
Remodeling	503	410	305	105	91	2
Other	1,674	1,239	1,054	185	370	65
Replacements	1,743	1,287	1,103	184	420	36
Heating and central air conditioning	405	277	237	40	110	18
Plumbing	402	317	257	60	76	9
Roofing	359	243	222	21	111	5
Other	577	450	387	63	123	4

[1] Represents maintenance and repairs.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C 50-9.

No. 1064. Cost Indexes for Construction and Selected Components of Construction: 1946 to 1963

[1957–59=100. Excludes Alaska and Hawaii. Indexes of certain of these firms are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1957*, series N 85–102, for construction cost indexes on a 1947–49 base]

ITEM	1946	1950	1955	1960	1962	1963
Indexes of building materials prices and union wage scales:						
Wholesale prices of building materials [1]	52.2	83.0	95.1	100.5	98.3	98.5
Union hourly wage scales in the building trades [2]	49.5	68.0	86.8	109.0	117.5	121.7
Construction cost indexes:						
Department of Commerce: Composite [3]	56	77	90	103	107	109
Bureau of Public Roads: Highways [4]	71.1	78.3	87.3	94.1	98.6	101.0
American Appraisal Company: Building construction [5]	48	73	89	106	111	114
Associated General Contractors of America: General construction [6]	52	71	88	107	111	114
E. H. Boeckh and Associates: [7]						
Small residential structures: Composite	57.4	80.3	92.4	104.2	106.3	108.5
Apartments, hotels, and office buildings: Composite	54.0	75.8	90.4	105.0	108.8	111.3
Commercial and factory buildings: Composite	53.0	74.0	89.5	104.7	107.8	110.2
Engineering News-Record: [8]						
Building construction	49.8	71.2	89.0	106.1	110.0	112.7
General construction	45.5	67.1	86.8	108.3	114.7	118.5
George A. Fuller Company: Commercial buildings [9]	55	72	88	106	115	118
Turner Construction Company: Building construction [10]	55	73	85	102	104	107
Whitman Requardt and Associates (Handy-Whitman Index): [11]						
Public-utility construction:						
Building	56	67	83	104	105	107
Gas plant	45	65	83	106	109	111
Electric light and power [12]	46	66	84	102	101	101

[1] Covers materials either (*a*) physically incorporated as integral part of a building or (*b*) normally installed during construction and not removable without seriously imparing building. Excludes consumer durables, such as kitchen ranges, refrigerators, etc. Source: Dept. of Labor, Bureau of Labor Statistics, unpublished data.

[2] Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of July 1. Source: Dept. of Labor, Bureau of Labor Statistics, unpublished data.

[3] Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes, both private and government, used for different types of construction.

[4] Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete).

[5] 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 materials and labor prices for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit.

[6] Covers both building and nonbuilding construction. Wages and materials for 12 cities combined in 40–60 ratio. Wages are for hod carriers and common laborers only. Materials weighted: Sand, gravel, crushed stone, cement, common brick, and lumber, 1 each; hollow tile, ½; and structural and reinforcing steel (together) ½. Excludes taxes and employee-benefit costs.

[7] Average of 20 cities for types shown. Weights based on surveys of actual building costs and vary with different types of structures. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and social security payroll taxes. Unweighted averages from Boeckh series prepared by Dept. of Commerce, Bureau of the Census.

[8] Building construction index computed on basis of hypothetical unit of construction requiring 6 bbls. of portland cement, 1.088 M bd. ft. of 2″ x 4″ lumber, 2,500 lbs. 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. Not adjusted for changes in materials availability, competitive conditions, efficiency of plant and management, productivity, or related factors.

[9] Composite of 36 major cost elements in 3 commercial-type buildings including structural elements and elevators, wiring, plumbing, heating, and ventilating. Job costs include both skilled and unskilled labor, and series reflects employee-benefit costs.

[10] 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.

[11] Based on data covering public utility construction costs (building construction, gas plant construction, and electric light and power construction) for 95 items in 6 geographic regions of the U.S. Job costs include both skilled and common labor. Indexes do not reflect tax payments nor employee-benefit cost. Dept. of Commerce, Bureau of the Census, has converted these series to a 1957–59 base, and combined the various items into a single index.

[12] As derived by Dept. of Commerce, Bureau of the Census; covers steam production plants only; excludes hydraulic plants.

Source: Except as noted, Dept. of Commerce, Bureau of the Census; in Dept. of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1065. Construction Materials—Indexes of Wholesale Prices: 1950 to 1963

[1957-59=100. Excludes Alaska and Hawaii]

COMMODITY	1950	1955	1960	1963
All construction materials	83.0	95.1	100.5	98.5
Lumber and wood products:				
Softwoods:				
Douglas fir	97.4	108.1	99.0	101.5
Southern pine	94.1	100.4	100.1	95.4
Other softwoods	89.2	102.6	97.2	96.4
Hardwoods	93.8	97.9	103.8	101.5
Millwork	87.7	98.4	104.5	104.0
Plywood	108.4	107.4	97.8	93.5
Softwood	121.5	117.7	92.9	89.4
Hardwood	96.7	97.9	102.8	97.3
Building paper and board	74.9	91.1	101.4	96.2
Prepared paint	77.8	89.7	100.7	103.8
Metals and products:				
Structural steel shapes	62.3	78.2	102.8	103.6
Reinforcing bars	61.0	83.7	102.3	86.1
Black steel pipe, carbon	61.1	79.6	99.9	98.8
Wire nails, 8d common	64.1	84.1	98.5	96.8
Copper water tubing	73.5	106.1	99.6	83.2
Building wire	73.1	103.9	99.1	100.4
Plumbing fixtures and brass fittings	84.5	98.0	103.2	100.5
Metals and products—Continued				
Enameled iron fixtures	95.6	108.0	104.8	94.2
Vitreous china fixtures	94.4	98.4	102.5	88.0
Brass fittings	72.8	91.7	103.6	111.5
Heating equipment	86.7	95.0	98.1	92.9
Steam and hot water equipment	73.5	89.0	102.9	101.5
Metal doors, sash, and trim	79.0	100.2	95.3	92.9
Nonmetallic mineral items:				
Plate glass	78.1	92.8	96.4	83.8
Concrete ingredients	77.1	90.2	102.7	103.0
Portland cement	72.1	87.7	103.5	101.5
Concrete products	82.4	92.7	102.4	101.7
Concrete pipe	73.4	89.8	104.4	100.2
Structural clay products	71.7	89.3	103.1	103.6
Gypsum products	80.0	93.4	101.9	105.4
Prepared asphalt roofing	86.5	90.5	91.6	90.0
Insulation materials	97.9	103.2	100.7	90.7
Linoleum, inlaid	77.3	93.7	104.6	104.5
Asphalt floor tile	92.0	97.4	102.4	102.5
Rubber floor tile	83.9	94.2	100.5	102.2

Source: Dept. of Labor, Bureau of Labor Statistics; unpublished data.

No. 1066. Federal Expenditures for Public Works: 1955 to 1965

[**In millions of dollars.** For years ending June 30. Includes public works in Alaska, Hawaii, Trust Territory of the Pacific Islands, Panama Canal and Canal Zone, and structures in foreign countries owned by the U.S. Government (e.g., Department of State, foreign service buildings). From administrative budget accounts and trust funds. Comprises direct Federal works, and grants and loans to State and local governments for public works]

FUNCTION	1955	1960	1961	1962	1963	1964 estimate	1965 estimate
Civil public works [1]	1,716	5,011	4,925	5,310	5,790	6,962	7,214
International affairs and finance	5	28	14	25	19	18	19
Space research and technology [2]	22	54	98	114	225	475	520
Agriculture and agricultural resources	43	43	40	46	28	31	32
Natural resources	830	1,123	1,307	1,453	1,552	1,614	1,666
Commerce and transportation	665	3,161	2,891	3,017	3,298	4,130	4,097
Housing and community development	−87	21	33	76	61	28	106
Health, labor, and welfare	38	131	134	135	138	186	230
Education	137	211	186	193	195	153	175
Veterans benefits and services	33	60	59	62	68	77	86
General government	29	178	161	189	206	251	284
National defense public works	2,408	1,835	1,898	1,627	1,406	1,544	1,521
Military public works	1,612	1,618	1,605	1,348	1,152	1,292	1,246
Civil defense public works	-------	-------	(3)	6	3	8	14
Atomic energy facilities	787	218	293	273	250	243	260
Defense production expansion and other	8	−1	-------	-------	1	1	1

[1] Excludes nonconstruction costs; includes proposed legislation.
[2] For 1955, principally aeronautics programs. [3] Less than $500,000.

Source: Executive Office of the President, Bureau of the Budget; *Budget of the U.S. Government.*

No. 1067. Value of Contract Awards for New Public Construction, by Ownership and Type of Construction: 1950 to 1963

[In millions of dollars. Beginning 1960, includes Alaska and Hawaii. Includes force-account construction (work done by government agencies' own employees to perform nonmaintenance construction) and major additions and alterations. Federal may exclude some classified projects. State and local represents work under the jurisdiction of State, county, municipal, or other non-Federal governmental units, including projects under Federal-aid programs]

Ownership and type of construction	1950	1955	1960	1962	1963
All public construction	**6,576**	**9,001**	**12,928**	**12,842**	**14,247**
Federally owned	**1,653**	**1,556**	**2,178**	**1,629**	**1,824**
Residential building	15	61	269	68	63
Nonresidential building	1,057	886	760	685	880
Airfields	10	157	396	283	183
Conservation and development	322	272	344	257	348
Highway	36	59	129	85	142
Electric power utilities	157	44	164	147	116
All other Federally owned	58	78	117	105	91
State and locally owned	**4,923**	**7,445**	**10,750**	**11,213**	**12,423**
Residential building	432	210	454	546	610
Nonresidential building	1,888	2,842	3,670	3,626	4,216
Highway	1,780	2,934	4,626	4,795	4,848
Sewerage systems	358	502	701	888	1,121
Water supply facilities	228	394	528	467	586
Public service enterprises	146	378	423	333	523
All other State and locally owned	92	185	348	568	519

Source: Dept. of Commerce, Bureau of the Census. In Dept. of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1068. Construction Contracts—Value of Construction and Floor Space of Buildings, by Class of Construction: 1959 to 1963

[Value in millions of dollars; floor space in millions of square feet. Excludes Alaska and Hawaii]

Class of construction	Value of construction					Floor space of buildings [1]				
	1959	1960	1961	1962	1963	1959	1960	1961	1962	1963
Total	**36,268**	**36,318**	**37,135**	**41,303**	**45,546**	**2,337**	**2,154**	**2,203**	**2,414**	**2,711**
Nonresidential buildings:										
Commercial [2]	3,496	3,725	3,797	4,216	4,445	281	283	293	326	347
Industrial	1,880	2,114	1,814	2,086	2,274	158	178	150	174	187
Educational and science	2,666	3,005	3,015	3,060	3,314	181	196	194	191	197
Hospital	865	832	985	1,079	1,485	38	36	44	49	65
Public buildings	605	679	671	677	964	34	33	33	34	43
Religious	799	789	805	811	755	54	53	53	53	48
Social and recreational	601	631	623	704	648	43	44	41	40	38
Miscellaneous	474	464	403	377	493	35	31	29	27	32
Residential buildings	17,150	15,105	16,123	18,039	20,502	1,512	1,300	1,364	1,520	1,753
Public works	5,804	6,946	6,911	7,905	8,122	n.a.	n.a.	n.a.	n.a.	n.a.
Utilities	1,928	2,026	1,985	2,350	2,545	n.a.	n.a.	n.a.	n.a.	n.a.

n.a. Not available.
[1] Excludes floor space of public works and utilities, data for which are not available.
[2] Includes nonindustrial warehouses.

Source: F. W. Dodge Company, a division of McGraw-Hill, Inc., New York, N.Y. In *Dodge Construction Contract Statistics Service*.

No. 1069. Construction Contracts—Value, by States: 1940 to 1963

[In millions of dollars. See headnote, table 1068. Represents value of construction in States in which work was actually done. Beginning 1959, shown on revised basis; therefore not comparable with prior years]

STATE	1940	1950	1955	1959	1960	1961	1962	1963
Total [1]	**4,004**	**14,501**	**23,745**	**36,268**	**36,318**	**37,135**	**41,303**	**45,546**
Alabama	57	227	320	623	467	497	721	733
Arizona				459	453	550	477	467
Arkansas	29	126	139	292	286	281	309	423
California				4,875	4,947	5,249	5,730	6,980
Colorado				510	461	550	667	684
Connecticut	85	290	565	552	618	595	601	662
Delaware	17	62	114	116	98	128	151	132
District of Columbia	65	97	119	171	222	232	231	319
Florida	167	532	1,047	1,655	1,443	1,436	1,642	1,834
Georgia	91	296	480	692	606	757	800	1,058
Idaho				122	115	142	155	139
Illinois	258	930	1,921	2,068	2,098	1,968	2,001	2,351
Indiana	126	389	649	821	803	830	886	970
Iowa	59	194	271	391	411	407	406	487
Kansas	52	214	512	457	462	426	473	404
Kentucky	57	191	375	476	486	506	646	564
Louisiana	70	311	612	661	579	589	659	939
Maine	14	40	154	133	116	125	118	128
Maryland	123	536	821	745	706	761	990	1,027
Massachusetts	150	486	759	796	764	799	1,111	1,068
Michigan	217	838	1,329	1,359	1,410	1,301	1,353	1,484
Minnesota	66	301	512	669	661	678	669	766
Mississippi	52	103	172	274	288	239	267	551
Missouri	122	368	688	742	807	698	912	963
Montana				134	133	195	193	154
Nebraska	26	106	221	262	288	307	321	345
Nevada				99	130	190	324	363
New Hampshire	12	34	86	125	103	109	105	112
New Jersey	165	748	1,010	1,290	1,235	1,293	1,376	1,508
New Mexico				264	220	199	242	312
New York	474	1,767	2,655	3,000	3,693	3,547	3,838	3,649
North Carolina	81	288	353	643	652	622	775	813
North Dakota	7	63	85	138	141	122	215	135
Ohio	267	978	2,035	2,046	1,924	2,039	2,062	2,191
Oklahoma	54	253	434	462	489	509	563	653
Oregon				354	365	415	450	574
Pennsylvania	268	1,138	1,539	1,567	1,439	1,555	1,827	1,801
Rhode Island	55	90	93	148	118	139	132	186
South Carolina	49	134	233	168	333	303	335	419
South Dakota	10	62	87	307	186	186	138	131
Tennessee	106	397	469	636	618	576	852	795
Texas	254	1,072	1,487	2,035	2,021	2,140	2,453	2,512
Utah				227	195	262	275	334
Vermont	9	21	35	79	51	61	70	53
Virginia	169	393	666	757	968	928	978	1,167
Washington				831	632	679	809	891
West Virginia	41	96	137	236	198	203	198	350
Wisconsin	83	332	562	689	753	702	705	815
Wyoming				109	121	111	92	141

[1] Excludes Alaska and Hawaii. Total for 37 States and D.C. through 1955; 48 States and D.C. thereafter.

Source: F. W. Dodge Company, a Division of McGraw-Hill Inc., New York, N.Y. In *Dodge Construction Contract Statistics Service.*

No. 1070. Construction Contracts—Indexes of Value: 1940 to 1964

[1947-49=100, 1940-55; 1957-59=100, beginning 1956. Indexes are derived from monthly figures of construction contracts reported by F. W. Dodge Company, a Division of McGraw-Hill, Inc. Reports covered 37 States and D.C. through 1955 (see table 1069) and 48 States and D.C. thereafter. Indexes through 1955 based on 3-month moving average, centered at middle month; indexes beginning 1956 based on monthly data. More detailed description of old index, including seasonal adjustments, obtainable from Division of Research and Statistics, Board of Governors of the Federal Reserve System]

YEAR	Total	Residential	All other	YEAR AND MONTH	Total	Residential	All other
1940	44	43	44	1963:			
1945	36	16	50	January	96	100	94
				February	101	97	104
1947	84	86	83	March	124	132	119
1948	102	98	105	April	138	159	122
1949	113	116	111	May	168	165	171
1950	159	185	142	June	153	158	149
1952	183	183	183	July	143	155	134
1953	192	178	201	August	141	151	133
1954	215	232	204	September	129	144	117
1955	261	280	248	October	150	163	140
				November	130	122	137
1956	91	86	96	December	150	106	128
1957	93	87	98				
1958	102	99	105	1964:			
1959	106	115	98	January	116	110	121
				February	111	114	109
1960	106	102	109	March	146	160	136
1961	108	108	108	April	151	161	144
1962	119	121	119				
1963	132	137	128				

Source: Board of Governors of the Federal Reserve System. Monthly figures in *Federal Reserve Bulletin.*

No. 1071. Contracts Awarded and Planning Backlog, by Type: 1940 to 1963

[In millions of dollars. Beginning 1959, includes Alaska and Hawaii. Covers U.S. construction projects of following minimum costs: for 1940 and 1945, waterworks, excavation, drainage, and irrigation, $15,000; other public works, $25,000; industrial plants, $40,000; other buildings, $150,000. For 1950, minimums were: $28,000, $50,000, $68,000, and $250,000. For 1955 and 1958, minimums were: $44,000, $73,000, $93,000, and $344,000. For 1959-62, minimums were: $53,000, $88,000, $110,000, and $400,000. See also *Historical Statistics, Colonial Times to 1957*, series N 75-84]

YEAR	Total	PUBLIC WORKS						PRIVATE BUILDINGS		Unclassified
		Waterworks	Sewerage	Bridges[1]	Earthwork, irr., drain.	Streets, roads	Buildings[2]	Industrial plants	Commercial	
CONTRACTS AWARDED										
1940	3,987	70	91	120	234	678	1,196	594	400	603
1945	2,289	61	35	53	57	227	463	635	387	371
1950	13,342	215	287	369	417	1,268	3,754	1,683	4,092	1,256
1955	18,722	314	402	546	546	2,137	1,987	2,951	7,794	2,046
1958	19,165	306	618	713	1,045	3,729	3,664	1,756	5,534	1,799
1959	20,423	376	655	570	915	2,899	3,195	2,993	6,861	1,958
1960	22,654	455	619	794	780	3,401	3,300	2,792	8,051	2,462
1961	21,981	431	819	651	804	3,712	3,427	2,817	7,636	1,685
1962[3]	22,123	391	777	601	1,075	4,037	3,490	2,544	7,376	1,832
BACKLOG OF ADVANCE PLANNING (DEC. 31)										
1950	52,113	1,387	2,182	1,692	7,282	4,598	12,050	5,753	6,963	10,206
1955	93,053	1,990	2,988	2,760	11,293	11,313	16,405	14,302	15,767	16,235
1958	114,175	2,660	3,576	3,419	11,906	12,920	20,658	17,075	22,392	19,569
1959	118,319	2,844	3,820	3,532	12,091	12,960	21,343	17,163	23,980	20,586
1960	124,700	2,919	4,117	3,385	12,135	13,634	22,724	17,986	27,274	20,526
1961	126,635	3,157	4,369	3,266	12,350	13,202	22,968	17,950	29,111	20,262
1962	126,548	3,124	4,597	3,436	12,381	12,923	23,025	17,600	29,471	19,992
1963	131,286	3,326	4,809	3,509	12,264	13,258	23,516	18,468	[4]34,732	17,404

[1] Includes private; amount of private contracts awarded in 1962, $1,395,000; amount in backlog of proposed work in 1963, $106,442,000.
[2] Beginning 1950, includes contracts awarded for atomic energy plants as follows (in millions): 1950, $2,020; 1955, $131; 1958, $84; 1959, $241; 1960, $50; 1961, $82; 1962, $106.
[3] Not available after 1962. [4] Includes mass housing.

Source: McGraw-Hill, Inc., New York, N.Y.; *Engineering News-Record.*

No. 1072. Engineering Construction Advance Plans—Value, by Type, by States: 1963

[In millions of dollars. Covers U.S. construction projects estimated to cost at least the following minimum values: Industrial plants and nonbuilding, $100,000; buildings other than industrial, $500,000]

State	Total	Public works plans						Private building plans		Unclassified [2]
		Waterworks	Sewerage	Bridges	Earthwork, irrigation, drainage	Streets, roads	Buildings	Industrial plants	Commercial [1]	
United States	**33,236**	**919**	**1,454**	**666**	**1,169**	**2,464**	**6,533**	**4,915**	**13,173**	**1,943**
Alabama	367	12	12	-------	4	82	81	61	98	17
Alaska	291	2	2	28	53	136	13	17	8	33
Arizona	231	-------	(3)	10	-------	191	4	-------	1	26
Arkansas	268	21	16	-------	2	7	62	21	123	16
California	4,646	134	14	46	659	394	514	1,540	1,064	280
Colorado	332	49	4	4	14	57	73	4	67	61
Connecticut	756	2	43	2	4	47	102	174	358	24
Delaware	171	(3)	2	38	(3)	2	43	11	74	1
Dist. of Columbia	323	-------	-------	-------	(3)	-------	124	1	196	2
Florida	1,085	15	19	(3)	8	28	218	88	616	93
Georgia	549	20	26	(3)	4	67	155	56	185	37
Hawaii	134	2	8	-------	-------	5	26	12	51	30
Idaho	64	1	1	(3)	1	32	12	9	2	5
Illinois	1,865	58	131	39	36	55	313	198	948	86
Indiana	857	18	36	15	7	33	229	114	389	17
Iowa	274	8	19	3	7	5	69	26	117	19
Kansas	219	23	9	8	1	3	66	18	84	6
Kentucky	551	21	29	2	1	210	141	32	99	17
Louisiana	530	24	25	3	73	11	94	93	159	48
Maine	190	4	34	(3)	5	13	17	99	11	7
Maryland	772	2	21	8	3	8	176	24	512	19
Massachusetts	1,039	37	89	12	12	51	274	96	425	42
Michigan	1,054	85	61	3	3	19	257	146	451	29
Minnesota	1,027	18	40	84	(3)	209	100	250	312	13
Mississippi	297	7	12	18	(3)	109	41	52	41	16
Missouri	735	10	37	1	(3)	7	136	119	396	30
Montana	25	(3)	1	(3)	-------	-------	11	-------	10	2
Nebraska	213	(3)	6	1	9	3	85	21	81	6
Nevada	99	-------	1	-------	-------	(3)	49	-------	40	9
New Hampshire	127	1	12	2	(3)	41	27	5	33	6
New Jersey	1,138	4	47	46	9	38	228	117	579	70
New Mexico	270	2	4	1	84	13	55	6	65	40
New York	2,922	59	194	17	25	62	796	247	1,353	170
North Carolina	434	32	26	-------	6	(3)	104	34	172	61
North Dakota	76	1	2	5	2	2	20	3	30	11
Ohio	2,007	64	110	111	11	15	309	338	1,001	47
Oklahoma	341	19	7	-------	7	15	52	25	195	23
Oregon	171	2	9	33	1	42	14	37	15	19
Pennsylvania	1,879	33	139	44	16	35	367	328	678	240
Rhode Island	228	7	14	4	8	41	57	13	79	6
South Carolina	194	6	23	-------	5	(3)	73	28	55	5
South Dakota	126	1	2	3	(3)	50	31	19	15	3
Tennessee	382	19	17	1	1	5	94	85	134	25
Texas	1,612	50	41	13	41	27	180	206	971	83
Utah	185	4	6	5	-------	87	60	6	13	3
Vermont	71	4	8	-------	(3)	25	13	8	11	1
Virginia	695	4	23	8	2	16	123	40	452	27
Washington	481	11	16	4	10	60	203	24	97	56
West Virginia	208	7	29	5	1	15	57	19	41	35
Wisconsin	630	17	22	39	5	42	178	49	263	16
Wyoming	96	(3)	3	-------	29	49	9	1	4	2

[1] Includes mass housing.
[2] Includes bridges under private plans amounting to $1,300,000.
[3] Less than $500,000.

Source: McGraw-Hill, Inc., New York, N.Y.; *Engineering News-Record.*

No. 1073. New Housekeeping Residential Construction Authorized—Valuation and Number of Units, for Selected SMSA's: 1960, 1962, and 1963

[Includes public housing contract awards. Authorizations cover only permit-issuing places within SMSA's. For definition of standard metropolitan statistical areas, see headnote, table 10]

Standard metropolitan statistical area	Valuation ($1,000)			Number of housing units		
	1960	1962	1963	1960	1962	1963
Atlanta	124,068	172,704	200,271	13,378	17,721	26,150
Baltimore	84,171	112,731	155,593	6,832	10,600	14,267
Birmingham	38,551	38,463	43,319	4,064	3,824	4,410
Boston	121,768	152,297	163,473	10,072	13,682	14,040
Buffalo	56,291	51,848	53,887	4,500	4,239	4,351
Chicago	588,285	545,699	513,299	43,109	42,490	39,452
Cincinnati	91,444	94,362	102,158	7,566	8,047	8,068
Cleveland	193,422	162,962	207,570	12,360	12,017	18,539
Columbus, Ohio	91,667	109,677	119,700	5,687	8,996	10,590
Dallas	149,256	188,729	207,791	13,754	20,870	23,708
Dayton	70,333	72,491	85,996	5,016	5,786	7,184
Denver	135,067	186,352	140,036	13,386	15,994	12,097
Detroit	228,358	269,226	288,095	16,500	19,258	21,723
Fort Worth	43,837	50,630	56,665	4,785	4,721	5,752
Honolulu	91,137	94,524	80,130	8,397	7,900	6,818
Houston	104,589	216,665	201,133	8,213	24,693	21,877
Indianapolis	51,998	67,176	67,627	4,570	6,443	6,937
Jacksonville	42,557	35,753	24,710	6,358	5,235	3,614
Kansas City	89,914	99,829	104,157	7,562	8,456	8,801
Los Angeles-Long Beach	945,412	1,356,493	1,708,830	81,676	114,607	141,526
Louisville	45,081	63,054	66,844	3,962	5,323	6,200
Memphis	33,322	36,273	48,540	5,102	4,738	7,247
Miami	142,800	112,410	104,937	11,593	10,286	10,282
Milwaukee	95,030	70,410	84,711	8,596	5,893	7,109
Minneapolis-St. Paul	168,749	195,692	198,865	12,745	16,600	15,919
New Orleans	61,678	96,743	131,366	5,093	6,679	9,494
New York	748,831	1,088,082	865,637	71,031	98,540	76,161
Orlando	48,087	38,050	42,945	5,375	3,437	3,558
Philadelphia	244,877	302,132	261,875	23,500	29,272	25,294
Phoenix	143,134	118,510	109,090	16,320	14,181	14,858
Pittsburgh	124,039	85,336	98,513	9,185	6,510	7,259
Sacramento	99,852	81,467	120,081	9,299	7,777	12,349
St. Louis	127,910	125,881	149,882	11,371	10,769	13,446
San Bernardino-Riverside-Ontario	133,840	193,709	274,012	13,290	18,001	24,849
San Diego	180,402	112,775	163,696	14,407	9,092	12,770
San Francisco-Oakland	321,606	452,315	524,669	28,107	37,441	42,494
San Jose	173,310	209,314	247,586	16,427	18,880	21,374
Santa Barbara	52,516	97,422	82,941	3,783	7,689	6,448
Seattle	103,976	181,307	171,855	7,583	13,716	12,196
Tampa-St. Petersburg	118,990	102,747	104,674	13,364	9,658	9,232
Tucson	40,848	45,826	47,609	4,325	5,015	5,895
Washington, D.C.	220,265	360,076	429,381	20,329	37,816	46,225

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C42.

No. 1074. Housing Units Inside and Outside SMSA's, by Geographic Divisions: 1950 and 1960

[**In thousands, except percent.** Includes Alaska and Hawaii. The unit of enumeration was dwelling unit in 1950 and housing unit in 1960; see p. 738 for difference in definition. For definition of standard metropolitan statistical areas, see headnote, table 10; covers 212 SMSA's as defined in 1960. For composition of divisions, see table 1086]

Division	1950				1960			
	Total		Inside SMSA's [1]	Outside SMSA's [1]	Total		Inside SMSA's	Outside SMSA's
	Number	Percent			Number	Percent		
United States	46,137	100.0	27,111	19,026	58,326	100.0	36,386	21,940
New England	2,879	6.2	1,930	950	3,522	6.0	2,360	1,162
Middle Atlantic	9,172	19.9	7,378	1,794	11,277	19.3	9,082	2,195
East North Central	9,334	20.2	5,869	3,465	11,658	20.0	7,610	4,048
West North Central	4,411	9.6	1,665	2,747	5,140	8.8	2,161	2,979
South Atlantic	5,996	13.0	2,736	3,261	8,033	13.8	4,124	3,909
East South Central	3,195	6.9	1,021	2,174	3,606	6.2	1,308	2,298
West South Central	4,462	9.7	2,007	2,456	5,534	9.5	2,899	2,635
Mountain	1,608	3.5	644	964	2,227	3.8	1,062	1,164
Pacific	5,078	11.0	3,862	1,216	7,331	12.6	5,780	1,551

[1] As defined in 1960.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. I

No. 1075. New Housing Units Started, by Type: 1945 to 1963

[**In thousands of units.** New series; beginning 1959, derived from continuing field measurement of housing starts, including Alaska and Hawaii. In general, new series is more nearly complete in coverage than old and is based on a broader definition of housing unit. Revision of nonfarm housing starts back to 1945 is consistent with Censuses of Housing, 1950 and 1960; 1956 National Housing Inventory, and 1959 Survey of Components of Change and Residential Financing. For detailed descriptions of sources and methods, see *Construction Reports*, Series C 20-11 (supplement) May 1960, and C 20-60, May 1964. For old series, see *Historical Statistics, Colonial Times to 1957*, series N 106-117]

YEAR	Total nonfarm units	Private	Public	YEAR	Total nonfarm units	Private	Public
1945	326	325	1	1952	1,504	1,446	58
1946	1,023	1,015	8	1953	1,438	1,402	36
1947	1,268	1,265	3	1954	1,551	1,532	19
1948	1,362	1,344	18	1955	1,646	1,627	19
1949	1,466	1,430	36	1956	1,349	1,325	24
1950	1,952	1,908	44	1957	1,224	1,175	49
1951	1,491	1,420	71	1958	1,382	1,314	68

YEAR	Housing units started										Estimated construction cost ($1,000,000) [4]	
	Total	Area [1]		Type of structure			Type of financing					
							Private			Public		
		Metropolitan	Nonmetropolitan	1-family	2-family [2]	Multifamily [3]	Total	Government programs: FHA	Government programs: VA		Privately financed	Publicly financed
NONFARM												
1959	1,531	1,076	455	1,229	59	244	1,495	333	109	37	18,549	432
1960	1,274	888	386	987	51	237	1,230	261	75	44	15,596	528
1961	1,337	946	391	961	50	326	1,285	244	83	52	16,132	609
1962	1,469	1,053	416	973	56	440	1,439	260	78	30	18,205	347
1963 (prel.)	1,590	1,137	453	978	61	551	1,560	220	71	32	19,672	377
NONFARM AND FARM												
1959	1,554	1,077	477	1,251	59	244	1,517	333	109	37	19,398	432
1960	1,296	889	407	1,009	51	237	1,252	261	75	44	15,831	528
1961	1,365	948	417	989	50	326	1,313	244	83	52	16,476	609
1962	1,492	1,054	439	996	56	440	1,463	260	78	30	18,525	347
1963 (prel.)	1,618	1,139	479	1,006	61	551	1,587	220	71	32	20,038	377

[1] For definition of SMSA's, see headnote, table 10. 1959 and 1960 based on 1959 definitions (*Standard Metropolitan Statistical Areas, 1959*, Bureau of the Budget). Beginning 1961, based on 1961 revision (*Standard Metropolitan Statistical Areas, 1961*, Bureau of the Budget).

[2] Includes 1- and 2-family structures with stores. [3] Includes multifamily structures with stores.

[4] Private construction costs based on permit valuation, adjusted for understatement of costs shown on permit applications, supplemented by reported estimates of construction costs in nonpermit areas. Public construction costs based on contract values or estimated construction costs for individual projects.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C 20, and unpublished data.

No. 1076. Housing Units Inside and Outside SMSA's, by Year Structure Built: 1960

[**In thousands, except percent.** Includes Alaska and Hawaii. Based on sample and subject to sampling variability. For definition of standard metropolitan statistical areas, see headnote, table 10; covers 212 SMSA's as defined in 1960]

YEAR	Total		Inside SMSA's			Outside SMSA's
	Number	Percent	Total	In central cities	Not in central cities	
All reporting units	**58,319**	**100.0**	**36,378**	**19,617**	**16,761**	**21,940**
1929 or earlier	27,121	46.5	16,310	11,085	5,225	10,811
1930 to 1939	6,512	11.2	3,939	2,233	1,706	2,572
1940 to 1949	8,640	14.8	5,282	2,404	2,878	3,358
1950 to 1954	7,556	13.0	5,123	2,032	3,091	2,434
1955 to 1958	6,223	10.7	4,189	1,364	2,825	2,033
1959 to March 1960	2,267	3.9	1,535	499	1,036	732

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, Vol. I.

No. 1077. Mobile Homes and Travel Trailers—Manufacturers Shipments: 1959 to 1964

[A mobile home, or housing-type trailer, is a vehicular portable structure built on a chassis and designed to be used without a permanent foundation as a year-round dwelling when connected to utilities. Mobile homes are defined as units 29 feet or longer and weighing over 4,500 pounds; travel trailers, as units less than 29 feet long, regardless of weight, or weighing less than 4,500 pounds, regardless of length. Excludes units designed for commercial uses, pickup cabs, folding campers, and amphibious units]

YEAR AND MONTH	Total	Mobile homes	Travel trailers	Total shipments as percent of private housing starts
1959	162,500	120,500	42,000	10.7
1960	144,000	103,700	40,300	11.5
1961	130,700	90,200	40,500	10.0
1962	175,000	118,000	57,000	12.0
1963	223,010	150,840	72,170	14.1
1964:				
January	14,330	10,580	3,750	14.4
February	18,970	12,320	6,650	18.9
March	24,510	15,520	8,990	18.8
April	27,350	16,090	11,260	18.1

Source: Dept. of Commerce, Business and Defense Services Administration; *Construction Review*.

No. 1078. New Privately Owned Nonfarm One-Family Housing Units Started—Number and Average Construction Cost: 1959 to 1964

[Includes Alaska and Hawaii. Average cost of all such housing units started nationally. Data do not represent construction cost of a typical house. These averages are affected by changes in cost of materials and labor, variations in size and design of the houses, type of projects started, differences in construction methods, and other variables. Construction costs cover only labor, materials, and subcontracted work, and that part of the builders' overhead and profit chargeable directly to the construction projects. Cost data based primarily on builders' estimates of construction cost made at the start of construction. See also headnote, table 1075]

YEAR AND MONTH	Number of housing units started	Average construction cost per unit	YEAR AND MONTH	Number of housing units started	Average construction cost per unit
1959	1,211,700	$13,425	1963—Continued		
1960	972,300	13,800	July	96,500	$14,950
1961	946,400	13,900	August	93,400	14,850
1962	967,800	14,200	September	89,700	14,950
			October	99,200	15,050
1963	977,300	14,975	November	69,400	15,225
January	46,200	14,800	December	48,200	15,850
February	50,900	14,650			
March	78,800	14,700	1964: January	53,800	15,000
April	102,800	14,675	February	61,100	15,425
May	103,900	15,075	March	80,400	15,500
June	98,300	15,025			

Source: Dept. of Commerce, Bureau of the Census. In Dept. of Commerce, Business and Defense Services Administration, *Construction Review*.

No. 1079. New Private Nonfarm One-Family Homes Sold or for Sale: July 1962 to April 1964

[Includes Alaska and Hawaii. Data based on monthly interviews with builders or owners of a national probability sample of 1-family homes for which building permits have been issued or, in nonpermit areas, on which construction has started. For details, see source]

Year or month	Homes sold during month [1]			Homes for sale at end of month [1]			Homes for sale—homes sold ratio (months) [2]
	Total number (1,000)	Median sales price	Median number of months, start to sale	Total number (1,000)	Median intended sales price	Median number of months from start of construction to end of month	
1962:							
July	46	$18,200	2.9	n.a.	n.a.	n.a.	n.a.
August	51	17,300	2.6	n.a.	n.a.	n.a.	n.a.
September	38	17,200	3.2	233	$18,100	3.9	6.1
October	44	17,900	3.1	n.a.	n.a.	n.a.	n.a.
November	36	18,100	3.8	n.a.	n.a.	n.a.	n.a.
December	31	17,400	3.5	239	18,300	4.4	7.7
1963:							
January	43	17,200	4.8	240	18,500	4.5	5.6
February	35	17,800	4.3	239	18,600	4.6	6.8
March	44	18,300	4.2	249	18,600	4.7	5.7
April	52	18,100	3.4	258	18,700	4.4	5.0
May	59	17,300	3.1	259	18,900	4.2	4.4
June	49	18,600	3.1	260	18,800	3.9	5.3
July	62	18,400	3.4	248	18,700	3.9	4.0
August	57	17,700	2.9	254	18,600	3.9	4.5
September	50	17,500	3.2	256	18,700	4.1	5.1
October	44	18,200	3.0	265	18,700	4.2	6.0
November	40	18,800	3.8	263	18,800	4.2	6.6
December	31	18,700	3.4	268	18,700	4.4	8.6
1964:							
January	38	17,700	3.9	265	18,900	4.7	7.0
February	46	18,400	3.8	264	19,000	5.1	5.7
March	54	19,200	4.4	271	19,100	5.3	5.0
April	50	18,800	3.9	278	19,000	5.4	5.6

n.a. Not available.

[1] Homes sold include all homes; homes for sale include only completed homes, homes under construction, and homes not yet started for which building permits have been issued.

[2] Derived by dividing the total number of homes for sale at the end of the month by the total number of homes sold during the same month.

Source: Dept. of Commerce, Bureau of the Census, and Housing and Home Finance Agency, Office of Program Policy; *Construction Reports*, Series C 25 (a joint publication).

No. 1080. Vacant Rental Housing Units—Selected Characteristics: 1962 and 1963

[**Percent distribution.** Second quarter figures. Includes Alaska and Hawaii. Represents all available-for-rent vacant units on places of less than 10 acres in urban areas. See headnote, table 1082]

Characteristics	Monthly rent asked, 1962						Monthly rent asked, 1963					
	Total	Less than $30	$30 to $49	$50 to $69	$70 to $99	$100 or more	Total	Less than $30	$30 to $49	$50 to $69	$70 to $99	$100 or more
Percent of total	*100*	*17*	*28*	*24*	*18*	*13*	*100*	*14*	*27*	*26*	*18*	*15*
Number of rooms in unit	100	100	100	100	100	100	100	100	100	100	100	100
1 and 2 rooms	29	49	41	21	9	18	30	50	47	22	20	11
3 and 4 rooms	52	39	46	59	65	52	49	38	41	54	55	56
5 rooms or more	19	12	13	20	26	30	21	12	12	24	25	33
Number of housing units in structure	100	100	100	100	100	100	100	100	100	100	100	100
1 housing unit	30	49	29	28	27	20	28	47	24	29	25	19
2 to 4 housing units	34	20	37	44	37	21	35	23	33	46	40	22
5 housing units or more	36	31	34	28	36	59	37	30	43	25	35	59
Duration of vacancy at time of enumeration	100	100	100	100	100	100	100	100	100	100	100	100
Less than 1 month	33	21	30	34	43	38	33	16	29	36	43	40
1 to 2 months	13	12	11	15	13	16	14	11	12	12	18	18
2 to 4 months	15	11	15	14	17	21	16	15	17	15	15	20
4 months or more	39	56	44	37	27	25	37	58	42	37	24	22
Year built	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	100	100	100	100	100	100
1949 or earlier	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	76	90	95	85	62	31
1950 to 1959	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	15	9	5	13	26	29
1960 or later	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	9	1	------	2	12	40
Percent with all plumbing facilities	73	23	58	91	98	100	73	22	56	91	98	100

n.a. Not available.

Source: Dept. of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111, Nos. 29 and 33.

No. 1081. Vacant Housing Units—Condition and Status, Inside and Outside SMSA's: 1960 to 1964

[**Percent distribution.** Beginning 1960, includes Alaska and Hawaii. Based on sample data from Current Population Survey; see Technical Note, p. 215. For definition of standard metropolitan statistical areas, see headnote, table 10; covers 212 SMSA's as constituted in 1960]

Status and condition	Total				Inside SMSA's		Outside SMSA's	
	April 1960	1st qtr. 1962	1st qtr. 1963	1st qtr. 1964	April 1960	1st qtr. 1964	April 1960	1st qtr. 1964
All housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Year-round vacant:								
Sound or deteriorating	5.2	6.5	6.4	6.5	4.9	6.1	5.8	7.2
For rent	2.5	2.8	2.6	2.6	2.6	3.0	2.2	2.0
For sale only	0.9	0.7	0.8	0.8	1.0	0.8	0.8	0.7
Rented or sold, awaiting occupancy	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.3
Held off market	1.5	2.5	2.6	2.7	0.9	1.8	2.4	4.2
Dilapidated	0.9	0.9	0.7	0.7	0.5	0.5	1.5	1.0
Seasonal vacant	3.0	2.6	3.3	3.2	1.2	1.2	6.0	6.7
Occupied	90.9	90.0	89.6	89.6	93.4	92.2	86.7	85.1

No. 1082. Vacancy Rates—Regions, and Inside and Outside SMSA's: 1960 to 1964

[**In percents.** Includes Alaska and Hawaii. Rental rate is relationship between vacant housing for rent and the total rental supply, which comprises renter-occupied units, vacant units already rented and awaiting occupancy, and vacant units available for rent. Home-owner rate is relationship between vacant housing for sale and the total home-owner supply, which comprises owner-occupied units, vacant units already sold and awaiting occupancy, and vacant units available for sale. For composition of regions, see fig. I, p. XII; for definition of standard metropolitan statistical areas, see headnote, table 10; covers 212 SMSA's as constituted in 1960]

Rate and year	United States	Regions				Inside SMSA's	Outside SMSA's
		Northeast	North Central	South	West		
Rental vacancy rate:							
1960, April	6.7	4.2	6.7	8.0	8.8	6.4	7.3
1962, 1st quarter	7.7	4.5	9.2	8.8	8.5	7.5	8.0
1963, 1st quarter	7.2	4.9	7.8	8.0	8.5	6.8	8.0
1964, 1st quarter	7.3	4.6	8.3	8.2	8.7	7.5	6.8
Home-owner vacancy rate:							
1960, April	1.6	1.2	1.3	1.8	2.0	1.7	1.3
1962, 1st quarter	1.2	0.9	0.9	1.7	1.4	1.0	1.5
1963, 1st quarter	1.4	0.8	1.3	1.5	2.0	1.4	1.3
1964, 1st quarter	1.3	1.0	1.2	1.6	1.6	1.5	1.2

No. 1083. Available Vacant Housing Units—Selected Characteristics: 1962 to 1964

[**Percent distribution.** First quarter figures. Includes Alaska and Hawaii. See headnote, table 1082]

Vacant rental units	1962	1963	1964	Vacant homeowner units	1962	1963	1964
Number of housing units in structure	100	100	100	Number of housing units in structure	100	100	100
1 housing unit	30	32	32	1 housing unit	92	93	91
2 to 4 housing units	34	35	33	2 housing units	5	5	6
5 housing units or more	36	33	35	3 housing units or more	3	2	3
Duration of vacancy at time of enumeration	100	100	100	Duration of vacancy at time of enumeration	100	100	100
Less than 1 month	28	29	30	Less than 1 month	12	14	11
1 to 2 months	13	14	13	1 to 2 months	9	12	11
2 to 4 months	16	18	18	2 to 4 months	21	16	17
4 months or more	43	39	39	4 months or more	58	58	61
Year built	n.a.	100	100	Year built	n.a.	100	100
1949 or earlier	n.a.	77	73	1949 or earlier	n.a.	43	43
1950 to 1959	n.a.	15	15	1950 to 1959	n.a.	32	28
1960 or later	n.a.	8	12	1960 or later	n.a.	25	29
Percent with all plumbing facilities	68	75	78	Percent with all plumbing facilities	91	90	92
Median number of rooms	3.2	3.5	3.5	Median number of rooms	5.4	5.2	5.3
Median monthly rent asked	$53	$55	$59	Median sale price asked	$12,300	$12,600	$12,500

n.a. Not available.

Source of tables 1081–1083: Dept. of Commerce, Bureau of the Census; *Current Housing Reports*, Series H–111.

No. 1084. Occupied Housing Units—Tenure, and Population Per Housing Unit, by Color of Occupants, and by Nonfarm and Farm Residence: 1890 to 1960

[**In thousands, except percent.** Excludes Alaska and Hawaii, except as noted. Tenure allocated for housing units which did not report. Minus sign (–) denotes decrease. See also *Historical Statistics, Colonial Times to 1957*, series N 139–146]

Color of occupants, residence, and year	Occupied units [1]					Percent increase over preceding census		Population per occupied unit [2]
	Total	Owner occupied		Renter occupied		Total occupied units	Total population	
		Number	Percent	Number	Percent			
1890	12,690	6,066	47.8	6,624	52.2	----------	----------	5.0
1900	15,964	7,455	46.7	8,509	53.3	25.8	20.7	4.8
1910	20,256	9,301	45.9	10,954	54.1	26.9	21.0	4.5
1920	24,352	11,114	45.6	13,238	54.4	20.2	14.9	4.3
1930	29,905	14,280	47.8	15,624	52.2	22.8	16.1	4.1
1940	34,855	15,196	43.6	19,659	56.4	16.6	7.2	3.8
1950	42,826	23,560	55.0	19,266	45.0	22.9	14.5	3.5
1960	52,814	32,706	61.9	20,107	38.1	23.3	18.4	3.4
1960 [3]	53,024	32,797	61.9	20,227	38.1	23.4	18.5	3.4
Color of occupants								
White								
1890	11,255	5,794	51.5	5,462	48.5	----------	----------	4.9
1900	14,064	7,007	49.8	7,057	50.2	25.0	21.2	4.8
1910	n.a.	n.a.	n.a.	n.a.	n.a.	----------	22.3	----------
1920	21,826	10,511	48.2	11,315	51.8	----------	16.0	4.3
1930	26,983	13,544	50.2	13,439	49.8	23.6	16.3	4.1
1940	31,561	14,418	45.7	17,143	54.3	17.0	7.2	3.7
1950	39,044	22,241	57.0	16,803	43.0	23.7	14.1	3.5
1960	47,777	30,783	64.4	16,994	35.6	22.4	17.4	3.3
1960 [3]	47,880	30,823	64.4	17,057	35.6	22.5	17.5	3.3
Nonwhite								
1890	1,435	273	19.0	1,162	81.0	----------	----------	5.5
1900	1,900	448	23.6	1,452	76.4	32.4	17.1	4.8
1910	n.a.	n.a.	n.a.	n.a.	n.a.	----------	11.5	----------
1920	2,526	603	23.9	1,923	76.1	----------	6.3	4.3
1930	2,922	737	25.2	2,185	74.8	15.7	14.7	4.3
1940	3,293	778	23.6	2,516	76.4	12.7	7.7	4.1
1950	3,783	1,319	34.9	2,464	65.1	14.9	17.1	4.2
1960	5,037	1,923	38.2	3,114	61.8	33.1	27.0	4.0
1960 [3]	5,144	1,974	38.4	3,171	61.6	33.0	26.7	4.0
Residence								
Nonfarm								
1890	7,923	2,924	36.9	4,999	63.1	----------	n.a.	n.a.
1900	10,274	3,790	36.9	6,484	63.1	29.7	n.a.	n.a.
1910	14,132	5,454	38.6	8,678	61.4	37.5	n.a.	n.a.
1920	17,600	7,189	40.8	10,411	59.2	24.5	n.a.	4.2
1930	23,300	10,721	46.0	12,579	54.0	32.4	25.0	4.0
1940	27,748	11,413	41.1	16,335	58.9	19.1	9.5	3.7
1950	37,105	19,802	53.4	17,304	46.6	33.7	25.8	3.4
1960 [3 4]	49,458	30,164	61.0	19,294	39.0	33.3	30.0	3.4
Farm [5]								
1890	4,767	3,143	65.9	1,624	34.1	----------	n.a.	n.a.
1900	5,690	3,665	64.4	2,025	35.6	19.4	n.a.	n.a.
1910	6,124	3,847	62.8	2,276	37.2	7.6	n.a.	n.a.
1920	6,751	3,925	58.1	2,827	41.9	10.2	n.a.	4.7
1930	6,605	3,560	53.9	3,045	46.1	–2.2	–4.6	4.6
1940	7,107	3,783	53.2	3,324	46.8	7.6	0.2	4.3
1950	5,721	3,758	65.7	1,963	34.3	–19.5	–23.7	4.0
1960 [3 4]	3,566	2,633	73.8	933	26.2	–37.7	–41.7	3.8

n.a. Not available.

[1] Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1930 and earlier; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960. For 1890, 1910, and 1920, includes the small number of quasi-families; 1900 and 1930 represent private families only.

[2] Total population, which includes the population in group quarters and quasi-family groups, divided by the number of occupied units. This concept was used for consistency; population counts, exclusive of persons in group quarters and quasi-family groups, are not available for some of the census years.

[3] Includes Alaska and Hawaii.

[4] Not comparable with data for earlier censuses because of a basic change in definition of farm residence. See text, p. 2.

[5] For 1890 to 1920, "Farm" contains a small proportion of urban-farm families in addition to the rural-farm families.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, and unpublished data.

No. 1085. Housing Units—Selected Characteristics: 1940, 1950, and 1960

For 1950, heating equipment includes Alaska and Hawaii, and, for 1960, all items include Alaska and Hawaii. Data for 1940 represent a complete census count; 1950 data for water supply, toilet facilities, and bathing facilities represent a complete census count; data for all other 1950 items and all 1960 items are based on a 5-, 20-, or 25-percent sample of housing units. For a measure of the sampling variability, see source]

Item	1940		1950		1960	
	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
WATER SUPPLY						
All housing units	**37,325**	**100.0**	**46,137**	**100.0**	**58,318**	**100.0**
Hot and cold piped water inside structure	27,708	74.2	32,344	70.1	50,870	87.2
Only cold piped water inside structure			5,875	12.7	3,321	5.7
No piped water inside structure	9,617	25.8	7,918	17.2	4,128	7.1
TOILET FACILITIES						
All housing units	**37,325**	**100.0**	**46,137**	**100.0**	**58,318**	**100.0**
Flush toilet, exclusive use	22,299	59.7	32,963	71.4	50,609	86.8
Flush toilet, shared	1,855	5.0	1,872	4.1	1,731	3.0
Other toilet facilities or none	13,172	35.3	11,302	24.5	5,978	10.3
BATHING FACILITIES						
All housing units	**37,325**	**100.0**	**46,137**	**100.0**	**58,318**	**100.0**
Bathtub or shower, exclusive use	20,986	56.2	31,973	69.3	49,706	85.2
Bathtub or shower, shared	1,754	4.7	1,784	3.9	1,690	2.9
No bathtub or shower	14,585	39.1	12,379	26.8	6,922	11.9
HEATING EQUIPMENT						
All housing units	[1] 34,855	**100.0**	[1] 42,826	**100.0**	**58,318**	**100.0**
Steam and hot water	7,581	21.8	10,071	23.5	12,694	21.8
Warm air furnace, with ducts	5,844	16.8	11,508	26.9	18,355	31.5
Floor, wall, or pipeless furnace	1,218	3.5			6,528	11.2
Built-in electric units	n.a.	n.a.	(2)	(2)	745	1.3
Other means with flue	[3] 16,257	46.6	15,399	36.0	13,152	22.6
Other means without flue	n.a.	n.a.	[2] 5,268	[2] 12.3	5,825	10.0
Not heated	n.a.	n.a.	581	1.4	1,020	1.7
COOKING FUEL						
Occupied housing units	**34,855**	**100.0**	**42,826**	**100.0**	**53,022**	**100.0**
Utility gas	17,026	48.8	22,085	51.6	27,296	51.5
Bottled, tank, or LP gas			3,417	8.0	6,491	12.2
Electricity	1,865	5.4	6,404	15.0	16,351	30.8
Wood	8,222	23.6	4,222	9.9	1,432	2.7
Coal or coke	4,021	11.5	3,352	7.8	556	1.0
Fuel oil, kerosene, other fuel	3,575	10.3	3,223	7.5	616	1.2
No cooking fuel	145	0.4	124	0.3	280	0.5
RADIO						
Occupied housing units	**34,855**	**100.0**	**42,826**	**100.0**	**53,022**	**100.0**
Radio [4]	28,846	82.8	40,978	95.7	48,504	91.5
No radio	6,008	17.2	1,848	4.3	4,518	8.5
TELEVISION						
Occupied housing units	**34,855**	**100.0**	**42,826**	**100.0**	**53,022**	**100.0**
Television [4]	n.a.	n.a.	5,126	12.0	46,312	87.3
No television	n.a.	n.a.	37,701	88.0	6,710	12.7
TELEPHONE AVAILABLE [5]						
Occupied housing units	----	----	----	----	**53,024**	**100.0**
With telephone	----	----	----	----	41,618	78.5
Without telephone	----	----	----	----	11,406	21.5
AUTOMOBILES AVAILABLE [5]						
Occupied housing units	----	----	----	----	**53,022**	**100.0**
1 automobile	----	----	----	----	30,189	56.9
2 or more automobiles	----	----	----	----	11,416	21.5
No automobile	----	----	----	----	11,417	21.5

n.a. Not available.
[1] Represents all occupied units.
[2] Built-in electric units included with "other means without flue."
[3] Heating stove. [4] Includes units with 1 or more. [5] Prior to 1960, data not collected.

Source: Dept. of Commerce, Bureau of the Census; Sixteenth Census Reports, 1940, *Housing*, Vol. II, and *U.S. Census of Housing: 1960*, Vol. I, and *1960*, Vol. I.

No. 1086. Housing Units—Selected Characteristics, by States: 1960

[For definition of median, see headnote, table 17]

STATE	ALL HOUSING UNITS				OCCUPIED HOUSING UNITS					AVAILABLE VACANT HOUSING UNITS, RATE	
	Total (1,000)	Percent— With all plumbing facilities [1]		Percent— Dilapidated or lacking one or more plumbing facilities	Total (1,000)	Percent—		Medians			
		Sound	Deteriorating			Owner occupied	Occupied by nonwhite	Rooms	Persons	Homeowner vacancy [2]	Rental vacancy [3]
United States	58,326	74.0	7.8	18.2	53,024	61.9	9.7	4.9	3.0	1.6	6.7
New England	3,522	78.7	7.6	13.7	3,116	59.1	2.3	5.2	3.0	1.4	5.4
Maine	365	61.2	7.2	31.5	280	66.5	0.4	5.4	3.0	1.6	6.8
N.H	224	72.8	8.7	18.4	180	65.1	0.3	5.3	2.9	1.7	6.1
Vt	136	68.4	10.7	20.9	111	66.0	0.1	5.8	3.0	1.5	6.2
Mass	1,691	81.1	8.0	11.0	1,535	55.9	2.3	5.3	3.0	1.2	5.0
R.I	287	78.7	6.6	14.7	257	54.5	2.0	5.1	2.9	1.2	6.6
Conn	819	84.7	6.7	8.6	753	61.9	3.8	5.1	3.1	1.5	5.0
Middle Atlantic	11,277	81.2	8.4	10.4	10,406	55.2	7.7	5.1	2.9	1.2	3.8
N.Y	5,696	81.3	8.9	9.8	5,249	44.8	8.3	4.7	2.8	1.2	3.2
N.J	1,999	85.2	7.0	7.9	1,806	61.3	7.5	5.2	3.1	1.3	3.9
Pa	3,582	78.7	8.5	12.7	3,351	68.3	7.0	5.6	3.0	1.1	5.5
E. N. Central	11,658	77.1	7.8	15.1	10,711	66.7	7.2	5.1	3.0	1.4	6.7
Ohio	3,041	77.6	8.2	14.2	2,853	67.4	7.3	5.3	3.0	1.5	6.6
Ind	1,503	73.0	8.4	18.5	1,388	71.1	5.1	4.9	3.0	1.3	7.0
Ill	3,276	78.0	7.4	14.6	3,085	57.8	9.4	4.9	2.9	1.2	5.6
Mich	2,549	78.6	8.1	13.2	2,239	74.4	8.4	5.3	3.1	1.5	9.7
Wis	1,289	75.0	6.9	18.1	1,146	68.6	1.8	5.3	3.0	1.2	5.4
W. N. Central	5,140	68.6	8.0	23.3	4,668	67.8	3.7	5.0	2.8	1.3	6.7
Minn	1,119	70.4	6.4	23.1	992	72.1	1.0	5.2	3.0	1.1	6.0
Iowa	905	69.8	9.2	21.0	841	69.1	0.9	5.4	2.8	1.0	5.4
Mo	1,491	65.8	7.3	26.9	1,360	64.3	8.2	4.7	2.7	1.6	7.1
N. Dak	195	60.6	5.6	33.8	173	68.4	1.3	5.1	3.3	1.4	5.3
S. Dak	216	61.5	7.6	31.0	195	67.2	2.4	5.2	3.1	1.1	5.6
Nebr	473	72.3	9.1	18.6	433	64.8	2.1	5.1	2.8	1.1	6.0
Kans	740	71.9	10.6	17.5	673	68.9	3.9	5.1	2.8	1.6	9.4
South Atlantic	8,033	67.2	6.4	26.4	7,267	61.0	19.0	4.9	3.1	1.9	7.6
Del	144	80.3	6.5	13.2	129	66.9	12.2	5.7	3.1	1.9	8.5
Md	935	81.4	6.7	11.8	863	64.5	14.3	5.5	3.2	1.8	6.2
D.C	263	84.9	6.4	8.7	252	30.0	44.1	4.0	2.3	1.2	3.8
Va	1,169	66.2	5.6	28.2	1,073	61.3	17.6	5.1	3.2	1.6	6.9
W. Va	574	56.7	9.2	34.1	521	64.3	4.5	5.1	3.2	1.2	7.9
N.C	1,323	57.1	6.4	36.5	1,205	60.1	20.8	4.9	3.3	1.1	6.4
S.C	678	54.3	6.4	39.4	604	57.3	29.3	4.8	3.4	1.3	7.7
Ga	1,170	58.4	6.7	34.9	1,070	56.2	24.6	4.8	3.2	1.6	5.9
Fla	1,777	78.3	5.6	16.1	1,550	67.5	14.5	4.7	2.6	3.5	12.7
E. S. Central	3,606	53.0	6.7	40.3	3,307	61.8	19.5	4.7	3.2	1.3	6.3
Ky	926	53.4	6.0	40.6	852	64.3	7.1	4.8	3.1	1.2	6.9
Tenn	1,084	57.2	7.0	35.8	1,003	63.7	14.7	4.8	3.1	1.5	6.2
Ala	967	53.5	7.1	39.4	884	59.7	25.8	4.8	3.2	1.6	6.8
Miss	629	44.5	6.6	48.9	568	57.7	36.5	4.6	3.2	1.0	4.8
W.S. Central	5,534	64.8	9.3	25.9	4,929	63.7	14.9	4.7	3.0	2.0	9.6
Ark	587	48.2	7.4	44.4	524	61.4	18.6	4.5	2.9	1.4	6.1
La	978	60.9	8.1	31.0	892	59.0	28.4	4.5	3.2	1.8	7.2
Okla	816	66.0	11.2	22.8	735	67.0	8.0	4.7	2.7	1.6	9.6
Tex	3,153	68.8	9.6	21.6	2,778	64.8	11.7	4.7	3.0	2.2	11.1
Mountain	2,227	74.9	9.0	16.1	1,976	65.2	3.8	4.6	3.1	1.8	9.1
Mont	233	68.0	10.1	21.9	202	64.0	2.3	4.5	2.9	1.4	9.3
Idaho	224	72.6	10.9	16.5	194	70.5	1.1	4.7	3.1	1.5	9.5
Wyo	113	71.9	10.5	17.5	99	62.2	1.6	4.5	3.0	1.2	8.0
Colo	595	76.4	8.2	15.4	529	63.8	2.7	4.8	2.9	1.7	8.1
N. Mex	282	69.5	8.2	22.3	251	65.3	5.7	4.5	3.4	1.6	9.2
Ariz	416	76.2	8.4	15.4	367	63.9	7.7	4.5	3.1	2.4	10.8
Utah	263	81.9	10.1	8.0	242	71.7	1.6	4.8	3.4	1.9	8.7
Nev	102	80.9	7.7	11.4	92	56.3	5.7	4.2	2.6	1.7	8.4
Pacific	7,331	83.9	7.6	8.5	6,645	60.2	7.4	4.7	2.7	2.1	8.8
Wash	1,010	78.4	9.8	11.8	894	68.5	2.9	4.9	2.7	1.8	11.8
Oreg	623	76.6	11.1	12.2	558	69.3	1.7	4.9	2.7	1.6	9.2
Calif	5,466	86.5	6.7	6.8	4,982	58.4	7.0	4.7	2.7	2.2	8.5
Alaska	67	57.7	9.3	32.9	57	48.3	16.3	3.7	3.1	1.8	6.8
Hawaii	166	69.6	10.2	20.2	153	41.1	64.1	4.5	3.7	1.1	4.1

[1] Includes hot and cold running water inside the structure, and flush toilet and bathtub or shower inside the structure for exclusive use of the people in the unit.
[2] Base is total of units occupied by owners and available vacant units for sale.
[3] Base is total of units occupied by renters and available vacant units for rent.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, Vol. I.

No. 1087. Occupied Housing Units—Percent of Home Ownership, by Color, and Regions: 1950 and 1960

Beginning 1960, includes Alaska and Hawaii. The unit of enumeration was dwelling unit in 1950, and housing unit in 1960; see p. 738 for difference in definition. For composition of regions, see fig. I, p. XII]

Color and tenure	1950					1960				
	United States	Northeast	North Central	South	West	United States	Northeast	North Central	South	West
TOTAL										
Occupied housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied	55.0	48.4	60.7	53.7	57.3	61.9	56.1	67.0	62.0	61.3
Renter occupied	45.0	51.6	39.3	46.3	42.7	38.1	43.9	33.0	38.0	38.7
WHITE										
Occupied housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied	56.9	49.7	62.0	57.7	58.2	64.4	58.1	69.1	66.4	62.5
Renter occupied	43.1	50.3	38.0	42.3	41.8	35.6	41.9	30.9	33.6	37.5
NONWHITE										
Occupied housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied	34.9	21.6	33.9	37.2	40.2	38.4	27.0	35.8	41.6	44.6
Renter occupied	65.1	78.4	66.1	62.8	59.8	61.6	73.0	64.2	58.4	55.4

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. I.

No. 1088. Number and Percent of Households With Specified Household Appliances: 1963

[**Households in thousands.** Excludes Alaska and Hawaii. Based on multistage area probability sample of 5,169 households interviewed April 16–May 10]

Appliances	Households		Appliances	Households	
	Number	Percent		Number	Percent
Total	55,050		SMALL ELECTRICAL APPLIANCES		
MAJOR APPLIANCES			Blanket	13,758	25.0
Air conditioner	7,739	14.1	Blenders	4,484	8.2
Room unit	7,240	13.2	Broom, upright	1,045	1.9
Central	962	1.8	Can opener	5,973	10.9
Clothes dryer	11,733	21.3	Coffee maker, automatic	27,165	49.4
Electric	8,210	14.9	Clock (excluding radio)	34,968	63.5
Gas	3,523	6.4	Floor polisher	5,076	9.2
Combination washer-dryer	1,119	2.0	Fry pan skillet	21,673	39.4
Dishwasher	3,920	7.1	Hair dryer (hat box)	8,719	15.8
Food disposer	4,789	8.7	Mixer	35,781	65.0
Freezer	11,197	20.3	Phonograph:		
Range, electric	19,047	34.6	Portable	11,576	21.0
Range, gas	33,914	61.6	Other	15,524	28.2
Refrigerator, electric	53,063	96.4	Radio (including clock)	26,665	48.4
Refrigerator, gas	1,313	2.4	Radio, pocket/purse	15,089	27.4
Sewing machine, electric	25,408	46.2	Radio, other portable	21,247	38.6
Television:			Shaver	24,705	44.9
Black and white	50,001	90.8	Steam iron	35,754	65.0
Color	915	1.7	Toaster	42,356	76.9
Washing machine	39,886	72.4			
Automatic	26,194	47.6			
Wringer	14,535	26.4			
Vacuum cleaner	39,803	72.3			

Source: Cowles Magazine and Broadcasting, Inc.; *A National Study of Major Appliances* and *A National Study of Small Electrical Appliances*. Based on a survey conducted by Audits and Surveys Company, Inc., New York, N.Y., and presented by *Look* Magazine, 1963. (Copyright.)

No. 1089. Housing Units With Selected Equipment—States: 1960

[In thousands. Data for "More than 1 bathroom" cover all units; for all other equipment, occupied units only. See table 1086. Based on a sample and subject to sampling variability]

STATE	More than 1 bathroom	Clothes washing machine	Clothes dryer	Home food freezer [1]	Telephone available	Automobile available [1]	Air conditioning [2]	Television set [1]	Radio set [1]
U.S.	**8,618**	**39,059**	**9,085**	**9,757**	**41,618**	**41,605**	**6,584**	**46,312**	**48,504**
The North	4,537	22,088	6,094	4,965	24,367	22,473	2,996	26,247	27,078
The South	2,192	10,697	1,355	3,006	10,241	11,846	2,816	12,614	13,473
The West	1,889	6,274	1,636	1,786	7,011	7,286	772	7,452	7,953
New England	**476**	**2,369**	**377**	**318**	**2,664**	**2,470**	**152**	**2,867**	**2,936**
Maine	29	236	34	45	203	223	4	252	250
New Hampshire	25	146	22	25	140	149	6	163	167
Vermont	19	95	15	24	85	92	3	97	103
Massachusetts	220	1,120	170	112	1,340	1,172	77	1,419	1,457
Rhode Island	32	168	23	14	209	205	11	242	244
Connecticut	150	604	113	99	688	629	51	694	715
Middle Atlantic	**1,748**	**7,291**	**1,626**	**1,228**	**8,722**	**7,321**	**1,201**	**9,555**	**9,834**
New York	815	3,086	607	503	4,320	3,305	571	4,763	4,984
New Jersey	375	1,343	269	211	1,537	1,448	297	1,713	1,705
Pennsylvania	558	2,863	751	514	2,865	2,568	332	3,079	3,145
East North Central	**1,658**	**8,618**	**3,066**	**2,131**	**9,080**	**8,783**	**935**	**9,780**	**9,967**
Ohio	474	2,408	935	531	2,419	2,370	204	2,632	2,666
Indiana	163	1,104	404	335	1,126	1,168	121	1,250	1,238
Illinois	431	2,220	681	517	2,622	2,361	428	2,780	2,870
Michigan	403	1,889	732	431	1,928	1,917	119	2,072	2,096
Wisconsin	186	996	314	318	985	967	62	1,046	1,097
West North Central	**656**	**3,809**	**1,025**	**1,287**	**3,900**	**3,898**	**708**	**4,045**	**4,340**
Minnesota	166	839	257	315	866	842	59	863	943
Iowa	124	717	216	257	750	726	98	750	796
Missouri	158	1,035	208	274	1,058	1,058	234	1,160	1,227
North Dakota	22	149	55	80	135	150	4	148	164
South Dakota	25	163	51	72	151	168	15	164	184
Nebraska	66	363	104	132	367	367	100	379	406
Kansas	96	543	133	156	573	586	199	580	621
South Atlantic	**1,201**	**5,001**	**623**	**1,269**	**4,855**	**5,565**	**960**	**6,033**	**6,295**
Delaware	28	106	24	27	108	107	22	116	120
Maryland	211	650	122	144	691	679	129	790	806
Dist. of Columbia	48	103	11	19	209	133	54	211	227
Virginia	176	799	100	195	744	837	131	886	911
West Virginia	54	459	113	83	350	382	30	434	452
North Carolina	134	875	51	264	704	921	107	973	1,010
South Carolina	74	376	24	125	334	452	73	468	502
Georgia	130	696	69	215	660	794	132	857	932
Florida	346	937	109	197	1,055	1,260	283	1,299	1,334
East South Central	**317**	**2,415**	**285**	**669**	**1,987**	**2,400**	**514**	**2,536**	**2,881**
Kentucky	75	684	95	146	523	635	71	668	754
Tennessee	101	761	110	210	683	752	206	814	879
Alabama	91	614	55	171	523	634	147	677	771
Mississippi	51	355	25	141	257	378	89	377	477
West South Central	**673**	**3,281**	**447**	**1,068**	**3,398**	**3,881**	**1,341**	**4,044**	**4,297**
Arkansas	42	367	30	113	269	368	73	391	442
Louisiana	110	659	108	215	620	627	206	726	764
Oklahoma	79	470	72	136	548	598	219	619	639
Texas	442	1,785	237	604	1,962	2,288	843	2,308	2,452
Mountain	**368**	**1,502**	**318**	**526**	**1,501**	**1,698**	**220**	**1,636**	**1,815**
Montana	24	166	59	78	159	171	10	158	190
Idaho	26	166	57	75	147	171	15	166	183
Wyoming	15	78	23	35	77	88	5	77	93
Colorado	97	404	72	131	445	449	31	451	497
New Mexico	46	174	27	59	160	212	24	197	222
Arizona	98	254	20	66	237	316	101	299	326
Utah	48	202	51	63	210	211	20	213	223
Nevada	14	60	10	19	64	80	15	76	82
Pacific	**1,520**	**4,772**	**1,318**	**1,260**	**5,510**	**5,588**	**552**	**5,816**	**6,138**
Washington	143	716	329	236	759	745	45	780	838
Oregon	85	457	210	182	461	478	28	470	524
California	1,253	3,442	754	799	4,130	4,197	477	4,412	4,583
Alaska	3	35	13	15	34	41	1	35	52
Hawaii	36	123	12	29	125	127	2	119	141

[1] Includes units with 1 or more.
[2] Includes units with 1 or more room air conditioners and units with central system.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, Series HC(1)-1.

No. 1090. Housing Units—Tenure, Condition and Plumbing, Rooms, and Persons Per Room: 1960

[Includes Alaska and Hawaii]

ITEM	Total units	Units occupied by nonwhite persons	ITEM	Total units	Units occupied by nonwhite persons
All housing units	58,323,672		ROOMS		
TENURE AND VACANCY STATUS			Units with 1 room	1,829,727	243,277
			Units with 2 rooms	2,800,177	408,294
			Units with 3 rooms	7,074,499	1,009,211
Owner-occupied units	32,796,087	1,974,218	Units with 4 rooms	12,399,003	1,343,164
Percent of all occupied	61.9	38.3	Units with 5 rooms	14,204,911	1,013,816
Renter-occupied units	20,224,974	3,178,440	Units with 6 rooms	11,028,401	705,234
Available vacant units	1,974,918		Units with 7 rooms	4,949,991	244,580
For rent	1,453,133		Units with 8 or more rooms	4,036,963	185,150
For sale only	521,785		Median rooms per unit	4.9	4.2
Other vacant	3,327,693		PERSONS		
CONDITION AND PLUMBING					
			Units with 1 person	7,405,473	811,082
Sound	46,914,583	2,797,274	Units with 2 persons	14,883,515	1,194,484
With all plumbing facilities	42,605,333	2,217,045	Units with 3 persons	9,778,343	829,685
			Units with 4 persons	9,117,768	676,528
Lacking only hot water	504,450	580,229	Units with 5 persons	5,816,521	519,328
Lacking private toilet or bath or running water	3,804,800		Units with 6 or more persons	6,019,441	1,121,330
			Median persons per unit	2.9	3.2
Deteriorating	8,384,162	1,470,261	PERSONS PER ROOM		
With all plumbing facilities	4,766,330	626,990			
Lacking only hot water	353,127	843,271	Units with 0.50 or less	22,312,130	1,591,619
Lacking private toilet or bath or running water	3,264,705		Units with 0.51 to 1.00	24,578,624	2,104,086
			Units with 1.01 or more	6,130,307	1,457,622
Dilapidated	3,024,927	885,133			

Source: Dept. of Commerce, Bureau of the Census; unpublished data.

No. 1091. Low-Rent Dwelling Units Supervised by the Public Housing Administration: 1950 to 1963

[As of December 31. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands]

ITEM	1950 [1]	1955 [1]	1960		1962		1963		
			Total	Senior citizens [2]	Total	Senior citizens [2]	Total	Locally owned	Senior citizens [2]
Total	302,146	489,744	593,286	18,912	646,600	42,411	682,307	680,386	61,637
CONSTRUCTION STATUS									
Under management	201,736	413,558	478,153	1,133	527,157	8,295	551,280	549,359	15,087
Under construction	31,507	21,059	36,360	4,066	41,089	10,825	39,396	39,396	12,809
Not yet under construction	68,903	55,127	78,773	13,713	78,354	23,291	91,631	91,631	33,741
PROGRAM									
Public Law 171 [3]	101,657	270,335	385,924	----	439,852	----	476,481	476,481	----
Public Law 412 [4]	118,649	117,049	114,170	----	114,185	----	114,152	114,152	----
Public Law 671, 1940 [5]	50,594	49,356	46,843	----	46,735	----	46,723	46,567	----
Public Works Administration [6]	21,640	21,360	21,063	----	21,067	----	21,067	19,885	----
Farm labor camps [7]	9,606	9,037	583	----	583	----	583	----	----
Public Law 475, 1950 [8]	----	22,607	24,703	----	24,178	----	23,301	23,301	----

[1] Excludes units which have been sold to mutual housing associations, limited dividend corporations (PWA), and homestead associations on which PHA has mortgages for collection.
[2] Covers units designed specifically for persons 62 years old or over or disabled.
[3] Housing Act of 1949.
[4] U.S. Housing Act of 1937.
[5] Built for World War II defense workers, but majority converted to low-rent use in 1946.
[6] Built in mid-1930's and brought into low-rent program by Executive order.
[7] Built by Dept. of Agriculture for migrant farm workers; conveyed to PHA for low-rent use under terms of the Housing Act of 1950.
[8] Lanham Act permanent housing conveyed to local housing authorities for low-rent use during 1952 to 1957.

Source: Housing and Home Finance Agency, Public Housing Administration; *Annual Report*, and unpublished data.

No. 1092. Renter-Occupied Nonfarm Housing Units—Contract and Gross Monthly Rent: 1940 to 1960

[**Number in thousands.** Beginning 1960, includes Alaska and Hawaii. Contract monthly rent is the rent at the time of enumeration, as contracted for by the renter, regardless of whether it includes furniture, heating fuel, electricity, cooking fuel, water, or other services sometimes supplied. Gross monthly rent is contract monthly rent plus the reported average monthly cost of utilities (electricity, gas, water) and other fuels (such as coal, oil, kerosene, and wood) if these items were paid for by the renter, in addition to contract monthly rent. In 1940 and 1950, if furniture was included in the contract rent, the reported estimated rent of the housing unit without furniture was used for the computation rather than the contract rent]

RENT	1940		1950		1960	
	Number	Percent	Number	Percent	Number	Percent
Total housing units	**16,335**		**17,304**		**19,294**	
CONTRACT MONTHLY RENT						
Number reporting	[1] 16,178	100.0	15,503	100.0	17,908	100.0
Less than $20	7,320	45.2	2,803	18.1	936	5.2
$20 to $29	3,853	23.8	3,047	19.7	1,465	8.2
$30 to $39	2,526	15.6	3,178	20.5	2,000	11.2
$40 to $49	1,300	8.0	2,577	16.6	5,052	28.2
$50 to $59	570	3.5	1,603	10.3		
$60 to $69	491	3.0	1,931	12.5	4,441	24.8
$70 to $79						
$80 to $89					2,134	11.9
$90 to $99						
$100 or more	118	0.7	363	2.3	1,879	10.5
Median rent	$22		$36		$58	
No cash rent	(2)	(2)	1,257		1,386	
Not reported	157		543		(3)	(3)
GROSS MONTHLY RENT						
Number reporting	15,144	100.0	15,190	100.0	17,908	100.0
Less than $20	4,753	31.4	1,374	9.0	320	1.8
$20 to $29	3,606	23.8	2,176	14.3	736	4.1
$30 to $39	3,029	20.0	3,123	20.6	1,221	6.8
$40 to $49	1,967	13.0	3,105	20.4	1,755	9.8
$50 to $59	925	6.1	2,302	15.2	2,245	12.5
$60 to $69	741	4.9	2,681	17.7	2,555	14.3
$70 to $79					2,350	13.1
$80 to $89					3,490	19.5
$90 to $99						
$100 to $119	123	0.8	429	2.8	1,693	9.5
$120 or more					1,544	8.6
Median rent	$27		$42		$71	
No cash rent	[4] 1,191		[4] 2,114		1,386	

[1] Includes units for which no cash rent was reported, distributed among the value classes on the basis of estimated monthly rental value for similar units in the neighborhood. [2] Not applicable; see footnote 1.
[3] During tabulation, an allocation procedure was used to assign entries for units not reporting rent.
[4] Includes units not reporting rental amount.

Source: Dept. of Commerce, Bureau of the Census; Sixteenth Census Reports, 1940, *Housing*, Vol. III, and *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. I.

No. 1093. Owner-Occupied Nonfarm Housing Units—Value: 1950 and 1960

[**Number in thousands.** Beginning 1960, includes Alaska and Hawaii. Data restricted to 1-housing-unit structures without business and with only 1 housing unit on property. Value represents the amount which the owner-occupant estimated that the property, including the structure and its land, would sell for under ordinary conditions and not at forced sale. For definition of median, see headnote, table 17]

VALUE	1950		VALUE [1]	1960	
	Number	Percent		Number	Percent
Total housing units	**15,878**		**Total housing units**	**26,172**	
Number reporting	14,974	100.0	Owner occupied	26,172	100.0
Less than $4,000	3,117	20.8	Less than $5,000	3,182	12.2
$4,000 to $5,999	2,392	16.0	$5,000 to $7,499	3,201	12.2
$6,000 to $9,999	4,731	31.6	$7,500 to $9,999	3,546	13.5
			$10,000 to $12,499	4,095	15.6
$10,000 to $14,999	2,995	20.0	$12,500 to $14,999	3,538	13.5
$15,000 to $19,999	1,008	6.7	$15,000 to $17,499	2,841	10.9
$20,000 or more	731	4.9	$17,500 to $19,999	1,882	7.2
			$20,000 to $24,999	1,900	7.3
Median value	$7,400		$25,000 to $34,999	1,227	4.7
			$35,000 or more	762	2.9
Not reported	905				
			Median value	$11,900	

[1] 1960 data collected on basis of intervals rounded to nearest $100 ($5,000 to $7,400, $7,500 to $9,900, etc.).

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. I.

No. 1094. Mortgaged Owner-Occupied Nonfarm Properties—Market Value, Mortgage Debt, and Interest Rate: 1890 to 1960

[1960 includes Alaska and Hawaii. For definition of median, see headnote, table 17]

ITEM	ALL PROPERTIES		PROPERTIES WITH ONE DWELLING UNIT		
	1890	1920	1940	1950	1960
MARKET VALUE AND OUTSTANDING MORTGAGE DEPT					
Total number of properties 1,000	810	2,855	4,026	7,052	14,454
Number reporting value and debt 1,000	----------	2,736	3,745	7,027	14,454
Total value $1,000,000	2,632	14,099	16,490	[1] 66,443	[1] 219,669
Total debt $1,000,000	1,047	6,000	8,634	28,566	108,092
Average value ..... dollars	3,250	4,938	4,403	9,422	15,200
Average debt ..... dollars	1,293	2,102	2,305	4,051	7,500
Ratio of debt to value, median	----------	----------	----------	43	53
INTEREST RATE ON FIRST MORTGAGE LOAN (percent distribution)					
Total properties	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than 4.0 percent			0.8	2.0	0.8
4.0 percent			1.8	24.5	10.9
4.1 to 4.4 percent	1.7	2.0	0.1	0.4	3.0
4.5 percent			17.3	20.1	24.2
4.6 to 4.9 percent			(2)	0.1	2.5
5.0 percent	11.0	8.3	19.8	22.4	15.1
5.1 to 5.9 percent	2.3	5.9	7.7	2.7	16.3
6.0 percent	44.3	58.1	44.6	24.8	22.4
6.1 to 6.9 percent	1.4	1.7	1.0	0.4	2.4
7.0 percent	11.5	12.1	4.2	1.0	1.1
7.1 to 7.9 percent	1.0	0.5	0.3	0.2	0.4
8.0 percent or more	26.8	11.3	2.5	1.3	0.9
Median interest rate	6.0	6.0	6.0	5.0	5.1

[1] Estimated from midpoints of distribution. [2] Less than 0.05 percent.

Source: Prior to 1960, Ratcliff, Rathbun, and Honnold, *Residential Finance, 1950*, John Wiley and Sons, New York, N.Y.; thereafter, Dept. of Commerce, Bureau of the Census, *U.S. Census of Housing: 1960*, Vol. V.

No. 1095. Nonfarm Owner-Occupied Dwelling Units—Mortgage Status: 1890 to 1960

[1960 includes Alaska and Hawaii and relates to properties with 1- to 4-dwelling units. For 1940 and 1950, mortgage statistics are for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business. An owner-occupied dwelling unit was reported as mortgaged if property on which it was located had an indebtedness in form of a mortgage or deed of trust, or if occupants had contract to purchase property. For 1920 and earlier, mortgage data are for owner-occupied units in all types of structures. Although types of units for which mortgage data were reported are not the same for all censuses, differences are not large enough to invalidate comparisons. See also *Historical Statistics, Colonial Times to 1957*, series N 190–194]

CENSUS YEAR	Total owner-occupied dwelling units	Reporting mortgage status	MORTGAGED		Not mortgaged
			Number	Percent	
1890	2,923,671	2,923,671	809,933	27.7	2,113,738
1900	3,566,809	3,394,967	1,086,605	32.0	2,308,362
1910	5,245,380	5,109,916	1,701,062	33.3	3,408,854
1920	7,041,283	6,867,546	2,735,662	39.8	4,131,878
1930	10,549,972	n.a.	n.a.	n.a.	n.a.
1940	11,413,036	10,611,259	4,804,778	45.3	5,806,481
1950	19,801,646	17,795,844	7,825,116	44.0	9,970,728
Urban	14,376,594	13,296,133	6,429,743	48.4	6,866,390
Rural nonfarm	5,425,052	4,499,711	1,395,373	31.0	3,104,338
1960	27,862,329	27,862,329	15,816,132	56.8	12,046,197

n.a. Not available.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I, and *1960*, Vol. V.

No. 1096. Mortgaged Owner-Occupied Nonfarm Properties—Type of Loan, by Market Value and Downpayment as Percent of Purchase Price: 1950 and 1960

[**Percent distribution.** 1960 includes Alaska and Hawaii. Covers owner-occupied single-family nonfarm mortgaged properties]

Item	Total		Federal Housing Administration		Veterans Administration		Conventional	
	1950	1960	1950	1960	1950	1960	1950	1960
Mortgaged properties	100	100	17	18	15	23	69	58
Outstanding debt	100	100	24	21	22	27	55	52
Market value	100	100	100	100	100	100	100	100
Less than $6,000	26	25	5	18	18	19	32	30
$6,000 to $9,999	37		46		49		32	
$10,000 to $14,999	25	31	38	42	27	40	21	24
$15,000 to $19,999	8	25	8	28	5	32	8	21
$20,000 or more	5	19	3	12	1	8	6	25
Median	$8,500	$13,800	$9,900	$13,700	$8,500	$13,800	$7,900	$13,900
Downpayment as percent of purchase price	100	100	100	100	100	100	100	100
No downpayment	15	11	12	5	33	21	10	8
1 to 10 percent	12	21	18	28	22	34	6	10
11 to 20 percent	19	21	30	32	22	25	14	14
21 to 30 percent	16	16	20	17	12	10	17	19
31 to 40 percent	15	15	12	13	6	5	19	22
41 or more	23	16	8	5	5	5	34	27
Median	23	19	17	15	9	9	32	30

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. IV, and *1960*, Vol. V.

No. 1097. Mortgage Debt Outstanding, by Type of Property and Holder: 1940 to 1963

[**In billions of dollars.** As of December 31. Includes Alaska and Hawaii]

Year	All properties			Nonfarm					Farm	
					1- to 4-family houses		Multifamily and commercial properties [2]			
	All holders	Financial institutions [1]	Other holders	All holders	Total	Financial institutions [1]	Total	Financial institutions [1]	All holders	Financial institutions [1]
1940	36.5	19.5	16.9	30.0	17.4	10.2	12.6	7.8	6.5	1.5
1945	35.5	21.0	14.5	30.8	18.6	12.2	12.2	7.4	4.8	1.3
1950	72.8	51.7	21.1	66.7	45.2	35.4	21.6	14.0	6.1	2.3
1953	101.3	75.1	26.3	93.6	66.1	53.6	27.5	18.5	7.7	3.0
1954	113.7	85.7	28.0	105.4	75.7	62.5	29.7	19.9	8.2	3.3
1955	129.9	99.3	30.6	120.9	88.2	73.8	32.6	21.8	9.0	3.6
1956	144.5	111.2	33.3	134.6	99.0	83.4	35.6	23.9	9.8	3.9
1957	156.5	119.7	36.8	146.1	107.6	89.9	38.5	25.8	10.4	4.0
1958	171.8	131.5	40.5	160.7	117.7	98.5	43.0	28.8	11.1	4.2
1959	190.8	145.5	45.3	178.7	130.9	109.2	47.9	31.9	12.1	4.5
1960	206.8	157.6	49.2	194.0	141.3	117.9	52.7	35.0	12.8	4.7
1961	226.3	172.6	53.7	212.4	153.1	128.2	59.3	39.4	13.9	5.0
1962 (prel.)	251.6	192.5	59.2	236.4	166.5	140.4	69.9	46.6	15.2	5.5
1963 (prel.)	280.9	216.9	64.0	264.2	182.2	156.0	82.0	54.8	16.8	6.2

[1] Comprises commercial banks (including nondeposit trust companies but not trust departments), mutual savings banks, life insurance companies, and savings and loan associations.
[2] Derived figures, which include negligible amount of farm loans held by savings and loan associations.

Source: Board of Governors of the Federal Reserve System. Current data in *Federal Reserve Bulletin*.

No. 1098. Mortgage Activity of Life Insurance Companies and Savings and Loan Associations: 1940 to 1963

[**In millions of dollars.** Includes Alaska and Hawaii. Savings and loan associations data also include Puerto Rico and Guam]

ITEM	1940	1945	1950	1955	1959	1960	1961	1962	1963 (prel.)
LIFE INSURANCE COMPANIES									
Loans acquired	--------	976	4,894	6,623	5,970	6,086	6,785	7,478	9,006
Nonfarm	--------	--------	4,532	6,108	5,472	5,622	6,233	6,859	8,134
FHA insured	--------	--------	1,486	971	1,549	1,401	1,388	1,355	1,576
VA guaranteed	--------	--------	938	1,839	201	291	220	469	680
Other	--------	--------	2,108	3,298	3,722	3,930	4,625	5,035	5,878
Farm	--------	--------	362	515	498	464	552	619	872
Loans outstanding (end of year)	5,972	6,636	16,102	29,445	39,197	41,771	44,203	46,902	50,543
Nonfarm	5,073	5,860	14,775	27,172	36,353	38,789	41,033	43,502	46,753
FHA insured	668	1,394	4,573	6,395	8,273	9,032	9,665	10,176	10,790
VA guaranteed	--------	--------	2,026	6,074	7,086	6,901	6,553	6,395	6,411
Other	4,405	4,466	8,176	14,703	20,994	22,856	24,815	26,931	29,552
Farm	899	776	1,327	2,273	2,844	2,982	3,170	3,400	3,790
SAVINGS AND LOAN ASSOCIATIONS									
Loans made [1]	1,200	1,913	5,237	11,255	15,151	14,304	17,364	20,754	24,734
New construction	399	181	1,767	3,984	5,201	4,678	5,081	5,979	7,038
Home purchase	426	1,358	2,246	5,155	6,613	6,132	7,207	8,524	9,920
Loans outstanding (end of year) [2]	4,125	5,376	13,657	31,408	53,141	60,070	68,834	78,770	90,849
FHA insured	--------	--------	848	1,404	2,995	3,524	4,167	4,476	4,685
VA guaranteed	--------	--------	2,973	5,883	7,186	7,222	7,152	7,010	6,960
Conventional [2]	--------	--------	9,836	24,121	42,960	49,324	57,515	67,284	79,204

[1] Includes loans for other purposes (for repair, additions and alterations, refinancing, etc.).
[2] Beginning 1959, includes shares pledged against mortgage loans.

Source: Board of Governors of the Federal Reserve System. Current data in *Federal Reserve Bulletin.*

No. 1099. Nonfarm Mortgages Recorded—Mortgages of $20,000 or Less, by Type of Mortgagee: 1940 to 1963

[**Number in thousands; money figures in millions of dollars, except averages.** Excludes Alaska and Hawaii. Estimates based on recordings in 450 counties and similar political subdivisions, which contain over one-half of the one-family nonfarm dwelling units. See also *Historical Statistics, Colonial Times to 1957*, series N 173–178]

MORTGAGEE	1940	1950	1955	1958	1959	1960	1961	1962	1963
NUMBER									
Total	**1,456**	**3,032**	**3,913**	**3,441**	**3,782**	**3,472**	**3,529**	**3,696**	**3,891**
Savings and loan associations	503	936	1,373	1,213	1,378	1,260	1,350	1,439	1,536
Insurance companies	68	227	191	126	125	105	90	92	101
Commercial banks	316	628	783	668	704	574	610	671	711
Mutual savings banks	45	165	210	165	171	149	162	175	184
Individuals	340	610	725	692	757	756	686	652	644
Miscellaneous mortgagees	184	466	631	577	647	628	631	667	715
AMOUNT									
Total	**4,031**	**16,179**	**28,484**	**27,388**	**32,235**	**29,341**	**31,157**	**34,187**	**36,925**
Average amount ... dol.	2,769	5,335	7,279	7,959	8,522	8,450	8,829	9,251	9,489
Savings and loan associations	1,284	5,060	10,452	10,516	13,094	12,158	13,662	15,144	16,716
Insurance companies	334	1,618	1,932	1,460	1,523	1,318	1,160	1,212	1,339
Commercial banks	1,006	3,365	5,617	5,204	5,832	4,520	4,997	5,851	6,354
Mutual savings banks	170	1,064	1,858	1,640	1,780	1,557	1,741	1,958	2,061
Individuals	640	2,299	3,362	3,435	3,946	4,001	3,642	3,560	3,541
Miscellaneous mortgagees	598	2,774	5,265	5,133	6,060	5,787	5,956	6,462	6,914

Source: Federal Home Loan Bank Board; *Savings and Home Financing Source Book*, and unpublished data.

No. 1100. Mortgage Loans on One- to Four-Family Nonfarm Homes—Estimated Balance Outstanding, by Type of Mortgagee: 1945 to 1963

[**In millions of dollars.** Includes Alaska and Hawaii. Represents estimates on basis of recent surveys and more detailed analyses of mortgage holdings. See *Historical Statistics, Colonial Times to 1957*, series N 161, for total]

MORTGAGEE	1945	1950	1955	1957	1958	1959	1960	1961	1962	1963 (prel.)
Total	**18,591**	**45,170**	**88,250**	**107,617**	**117,686**	**130,854**	**141,288**	**153,083**	**166,482**	**182,331**
Savings and loan associations	5,156	13,116	30,001	37,996	42,890	49,535	55,386	62,395	69,761	79,092
Life insurance companies	2,306	8,478	17,661	21,441	22,374	23,583	24,879	25,776	26,397	27,254
Mutual savings banks	1,894	4,312	11,100	14,110	15,640	16,887	18,369	20,022	22,149	24,717
Commercial banks	2,875	9,481	15,075	16,385	17,628	19,200	19,242	20,038	22,129	25,054
Home Owners' Loan Corporation	852	10	-------	-------	-------	-------	-------	-------	-------	-------
Federal National Mortgage Association	7	1,333	2,443	3,777	3,580	4,953	5,536	5,413	5,188	3,999
Individuals and others	5,501	8,440	11,970	13,908	15,574	16,696	17,876	19,439	20,858	22,215

Source: Federal Home Loan Bank Board; *Savings and Home Financing Source Book.*

No. 1101. Residential Loans Underwritten by FHA and VA: 1940 to 1963

[**In millions of dollars.** Includes Alaska and Hawaii. FHA-insured loans represent gross amount of insurance written; VA-guaranteed loans, gross amount of loans closed. Figures do not take account of principal repayments on previously insured or guaranteed loans. For VA-guaranteed loans, amounts by type are derived from data on number and average amount of loans closed. See also *Historical Statistics, Colonial Times to 1957*, series N 179–185]

LOAN	1940	1950	1955	1958	1959	1960	1961	1962	1963
FHA-insured loans	**991**	**4,343**	**3,807**	**6,349**	**7,694**	**6,293**	**6,546**	**7,184**	**7,216**
Home mortgages:									
New properties	588	1,637	1,269	1,666	2,563	2,197	1,783	1,849	1,664
Existing properties	175	856	1,816	2,885	3,507	2,403	2,982	3,421	3,905
Project type mortgages	13	1,157	76	929	628	711	926	1,079	843
Property improvement loans [1]	216	694	646	868	997	982	855	834	804
VA-guaranteed loans [2]	-------	**3,072**	**7,156**	**1,865**	**2,787**	**1,985**	**1,829**	**2,652**	**3,045**
Home mortgages:									
New properties	-------	1,865	4,582	1,311	2,051	1,554	1,170	1,357	1,272
Existing properties	-------	1,202	2,564	549	730	428	656	1,292	1,770

[1] Not ordinarily secured by mortgages.
[2] Includes a small amount of alteration and repair loans, not shown separately; only such loans in amounts of more than $1,000 need be secured.

Source: Board of Governors of the Federal Reserve System. Current data in *Federal Reserve Bulletin.*

No. 1102. Home Loans Guaranteed by VA—Purchase Price, Mortgage Maturity, and Downpayment Status: 1955 to 1963

[**Percent distribution.** Includes data for all veterans, regardless of place of residence. Based on complete count of loans]

ITEM	NEW HOMES				EXISTING HOMES			
	1955	1960	1962	1963	1955	1960	1962	1963
PURCHASE PRICE								
All price ranges	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than $8,000	2.1	0.1	0.2	0.2	18.4	15.7	7.4	5.2
$8,000 to $9,999	15.0	1.8	1.9	1.6	20.3	17.1	12.0	9.2
$10,000 to $11,999	29.8	11.5	10.7	8.6	22.2	18.4	16.7	14.0
$12,000 to $14,999	38.4	39.1	31.9	27.8	23.7	25.4	28.0	27.3
$15,000 to $19,999	13.0	39.8	43.8	45.5	12.1	18.0	27.9	32.4
$20,000 and over	1.7	7.7	11.5	16.3	3.3	5.4	8.0	11.9
Average purchase price	$12,476	$15,327	$15,791	$16,512	$11,343	$12,238	$13,723	$14,652
MORTGAGE MATURITY								
All maturities	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than 25 years	5.3	1.4	1.0	0.7	50.5	43.0	17.2	11.7
25 years	32.7	3.9	2.3	2.0	37.6	31.3	26.0	21.1
26 to 30 years	62.0	94.7	96.7	97.3	11.9	25.7	56.8	67.2
DOWNPAYMENT STATUS								
All loans	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
With downpayments	46.6	30.2	24.8	24.6	80.3	66.5	43.3	37.3
With no downpayments	53.4	69.8	75.2	75.4	19.7	33.5	56.7	62.7

Source: Veterans Administration; *Loan Guarantee Highlights.*

No. 1103. Financial Characteristics of VA-Guaranteed Home Loans, by Monthly Income of Veteran Home Purchasers: 1963

[Information is based on a 20-percent sample of loan applications submitted to the VA for prior approval in 1963. Prior approval loans currently constitute about 78 percent of all primary VA-guaranteed home loans]

ITEM	All incomes	MONTHLY INCOME (AFTER TAXES)				
		Less than $300	$300 to $399	$400 to $499	$500 to $699	$700 and over
New and existing homes (averages):						
Liquid assets of purchaser	$1,845	$620	$935	$1,480	$2,340	$4,545
Purchase price	$15,385	$9,360	$11,970	$14,690	$17,775	$21,430
Loan amount	$15,000	$9,265	$11,805	$14,370	$17,260	$20,520
Downpayment	$385	$95	$165	$320	$515	$910
Percent of purchase price	2.5	1.0	1.4	2.2	2.9	4.2
Percent of liquid assets	20.9	15.5	17.6	21.6	22.1	20.0
Monthly income after taxes	$492	$272	$358	$447	$576	$834
Monthly housing expense [1]	$143	$91	$113	$138	$164	$193
Percent of income after taxes	29.1	33.5	31.6	30.9	28.5	23.1
Percent of loans	100.0	100.0	100.0	100.0	100.0	100.0
New homes	43.8	22.9	39.8	43.2	47.8	50.1
Existing homes	56.2	77.1	60.2	56.8	52.2	49.9

[1] Repayments of mortgage principal and interest with an additional allowance for taxes, insurance, heat, utilities, and maintenance.

Source: Veterans Administration; unpublished data.

No. 1104. Estimated Nonfarm Real Estate Foreclosures: 1930 to 1963

[Excludes Alaska and Hawaii. Based on data from approximately 1,700 counties, cities, townships, or other government divisions. Represents number of properties acquired through foreclosure proceedings. Excludes voluntary deeds of sale in lieu of foreclosure and defaults on real estate contracts. See also *Historical Statistics, Colonial Times to 1957*, series N 189]

YEAR	Foreclosures	YEAR	Foreclosures	YEAR	Foreclosures
1930	150,000	1948	13,052	1956	30,963
1935	228,713	1949	17,635	1957	34,204
1940	75,556	1950	21,537	1958	42,367
1943	25,281	1951	18,141	1959	44,075
1944	17,153	1952	18,135	1960	51,353
1945	12,706	1953	21,473	1961	73,074
1946	10,453	1954	26,211	1962	86,444
1947	10,559	1955	28,529	1963	98,195

Source: Federal Home Loan Bank Board; *Savings and Home Financing Source Book.*

No. 1105. Urban Planning Assistance Program—Summary: 1954 to 1963

[Includes Alaska, Hawaii, Puerto Rico, Guam, and Virgin Islands. Represents urban planning assistance (*a*) for cities, other municipalities, and counties with a population under 50,000 and for groups of adjacent communities, incorporated or unincorporated, with a total population of less than 50,000; (*b*) for cities, other municipalities, and counties in redevelopment areas designated under Section 5(a) of the Area Redevelopment Act; (*c*) for metropolitan and regional areas; (*d*) for cities, other municipalities, and counties which have suffered a major disaster; (*e*) for areas which are or expected to become Federally impacted; and (*f*) for State and interstate comprehensive planning. Metropolitan, regional, disaster, and Federally impacted areas are assisted by planning grants to either State planning agencies or metropolitan, regional, or other qualified planning agencies; all other assistance takes the form of planning grants to State planning agencies]

ITEM	Cumulative total	NET CHANGE						
		1954–1957 [1]	1958	1959	1960	1961	1962	1963
Total grants approved [2] $1,000	59,747	4,403	2,203	2,056	4,738	8,884	19,755	17,707
Disbursed $1,000	36,153	1,948	1,667	2,196	3,083	3,571	10,243	13,446
Planning assistance for small areas:								
Projects approved	952	67	55	48	142	144	249	247
Different localities involved	3,226	532	324	156	452	458	683	621
Planning assistance for localities in redevelopment areas:								
Projects approved	154	-------	-------	-------	-------	26	72	56
Different localities involved	505	-------	-------	-------	-------	120	256	129
Planning for metropolitan, regional, disaster, and Federally impacted areas:								
Projects approved	300	49	21	52	47	34	44	53
Different areas involved	169	40	16	38	18	23	14	20
Statewide and Interstate planning:								
Projects approved	56	-------	-------	-------	12	13	17	14
Different States involved	27	-------	-------	-------	10	6	7	4

[1] First approval under this program took place in November 1954.
[2] Represents the Federal contribution to defray the costs of urban planning authorized by the program.

Source: Housing and Home Finance Agency, Urban Renewal Administration; *Annual Report.*

No. 1106. Urban Renewal Program—Summary: 1949 to 1963

[**Money figures in thousands of dollars.** Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands. Represents financial assistance to localities under Title I of the Housing Act of 1949, as amended. Planning advances, loans, and grants are made to local agencies by the Urban Renewal Administration primarily for slum clearance and redevelopment projects, and for conservation or rehabilitation projects]

ITEM	Cumulative total	NET CHANGE						
		1949–1957 [1]	1958	1959	1960	1961	1962	1963
Grant authority reserved [2]	3,705,373	1,021,055	305,183	64,628	484,189	606,048	552,630	671,640
Urban renewal activities	3,687,263	1,019,295	304,878	64,475	480,953	602,581	547,523	667,558
Community renewal programs	13,701	----------	----------	----------	2,664	2,571	4,860	3,606
Demonstration grants	4,409	1,760	305	153	572	896	247	476
URBAN RENEWAL PROJECTS								
Localities participating	684	299	73	25	65	58	87	77
Total projects	1,328	491	132	34	139	148	186	198
Completed	118	4	6	16	15	24	21	32
Active	1,210	487	126	18	124	124	165	166
Execution	671	189	92	84	79	74	70	83
Planning	539	298	34	−66	45	50	95	83
Capital grants:								
Grants disbursed to projects	876,782	105,138	49,692	78,464	131,524	147,463	188,243	176,258
Grants disbursed to repay advances	6,660	----------	----------	----------	3,441	1,109	841	1,269
Project loans: [3]								
Contracts authorized (net)	2,665,965	454,814	349,707	359,653	379,579	380,680	369,052	372,480
Federal loans:								
Disbursed	731,589	126,483	51,540	96,288	108,892	101,082	130,152	117,152
Outstanding	95,789	43,232	24,345	7,218	−10,122	13,264	46,730	−28,878
Non-Federal "guaranteed" loans: [4]								
Gross amount	1,740,783	173,997	111,836	235,175	295,556	335,147	231,049	358,023
Outstanding	1,112,235	127,020	86,246	165,033	207,026	234,939	82,837	209,134
Planning advances: [5]								
Contracts authorized (net)	141,756	35,829	9,901	5,375	15,389	19,802	24,926	30,534
Disbursed	103,785	21,524	7,934	8,220	10,959	13,894	17,620	23,634
Outstanding	46,315	12,001	2,174	2,040	1,202	6,152	9,244	13,502
COMMUNITY RENEWAL PROGRAMS								
Localities participating	107	----------	----------	----------	7	34	39	27
Grants disbursed	7,206	----------	----------	----------	235	942	2,450	3,579
DEMONSTRATION GRANTS								
Projects approved	47	24	3	1	6	8	3	2
Grants disbursed	2,915	621	387	431	348	352	425	351

[1] First approval under this program took place in March 1950.
[2] Represents the Federal Government's contribution (*a*) to the net costs of local slum clearance and urban renewal projects, preparation of community renewal programs, and demonstrations, (*b*) to reimburse local public agencies for certain costs of relocating displaced families, individuals, and business concerns, and (*c*) to repay planning advances not collected from terminated projects.
[3] Represents Federal assistance to finance expenditures involved in the execution of slum clearance and urban renewal projects. Temporary loan contracts may be used by local public agencies to borrow funds for project expenditures from non-Federal sources.
[4] Excludes amounts borrowed to refinance previous borrowings.
[5] Represents Federal assistance for the conduct of surveys and preparation of project plans.

Source: Housing and Home Finance Agency, Urban Renewal Administration; *Annual Report*, and unpublished data.