Section 6

Area, Geography, and Climate

Statistics in this section relate to area, climatological, topographic, and hydrologic measurements of the United States. There are few official publications other than those showing area measurements issued infrequently by the Bureau of the Census, which present area and geography statistics of national scope. However, many data are compiled by Federal Government agencies, such as the Geological Survey, the Coast and Geodetic Survey, and the Weather Bureau, which are primarily for particular regions or are collected for internal administrative purposes.

Area.—Area measurements in the United States began with measurements for the country as a whole and developed, as mapping progressed, to measurements for the States.

The annual report of the U.S. General Land Office for 1850 contained the first reference to the areas of the several States and Territories, although there was no indication of the method used in obtaining these measurements. The General Land Office was practically the sole source of information concerning the areas of the States and Territories until 1881.

The Bureau of the Census in 1881, as a part of the 1880 Census of Population, laid the foundation for accurate and detailed area measurement in the United States. For the first time an account was given of the method and maps employed, the water bodies included, and the outer limits of the United States used as a basis for measurement.

The same Bureau, in 1940 in its publication, *Areas of the United States: 1940*, presented the first basic measurement of the United States since its work in 1880. The data presented in that study cover the total land and water areas of the States, counties, cities, and minor civil divisions.

Geography.—The Geological Survey, cooperating with State agencies, is responsible for topographic and geologic maps and for basic data concerning the quantity, quality, and movement of surface and ground water.

The Bureau of Land Management conducts cadastral surveys.

The Coast and Geodetic Survey has responsibility for coastal and geodetic surveys and measurement of certain physical phenomena. Authorized in 1807, this agency's original function was to survey and chart the coast of the United States and the outlying islands and fishing banks. In 1871, Congress authorized an extension of the geodetic surveys from coast to coast to provide the States with reference markers for the control of their topographic and geologic mapping and their boundary surveys, and to provide data for use by the Geological Survey and other agencies. Since 1927 the Coast and Geodetic Survey has also been charged with the preparation of aeronautical charts for the United States and its outlying areas.

A civil mapping activity of the Corps of Engineers, the U.S. Lake Survey, was established in 1841. Its primary function is to furnish Great Lakes navigators with reliable charts and information regarding harbor facilities. It also maintains records of the fluctuating levels of the lakes, the flow through connecting rivers, the precipitation over the lakes, and reports on all hydraulic problems relating to the Great Lakes.

Climate.—The Weather Bureau is responsible for essentially all meteorologic data. It collects, processes, and publishes climatological data. This Bureau maintains about 11,000 weather stations. Of this number nearly 3,000 stations produce autographic precipitation records, about 600 take automatic or hourly readings of a series of weather elements, and the remainder record one observation a day. There are few

records in existence for stations before 1871 although some earlier and less detailed records began in the 18th century.

Nearly all weather stations have been moved several times in their history. Consequently, the Weather Bureau has adopted the practice of using "normal" values of temperature and precipitation for comparative purposes rather than long-term means which are derived from records taken at the several different locations the stations may have had over the years.

Normal values of temperature and precipitation are based on records for the 30-year period 1921 to 1950, inclusive. Where a station had a record for the entire 30 years from the same instrument site, monthly precipitation normals are the mean of the monthly values for the 30 years. For such stations, the temperature normals were obtained in a similar manner, using normal maximum and normal minimum values to obtain monthly normals. The annual normal temperature is obtained by dividing the sum of the annual normal maximum value and the annual normal minimum value for temperature by 2.

For stations that did not have continuous records from the same instrument site for the entire 30 years, 1921 to 1950, the means have been adjusted to the record at the present site. In these adjustments, a "difference factor" was used for temperature and a "ratio factor" for precipitation. These factors were determined by parallel comparison, either between records at the actual station sites or through a second station that had a continuous record to compare against both sites for obtaining the resultant adjusting factors. Normals were thereafter obtained as outlined above.

This system of normals has three characteristics: (1) The 30-year period (1921 to 1950) adopted for the computations is consistent with the term of years accepted by the World Meteorological Organization for climatic normals; (2) where the station and exposure for records in a given locality have been changed, the whole record has been carefully studied and adjusted to the latest source of records and reports; (3) the normals for maximum and minimum temperatures are separately tabulated.

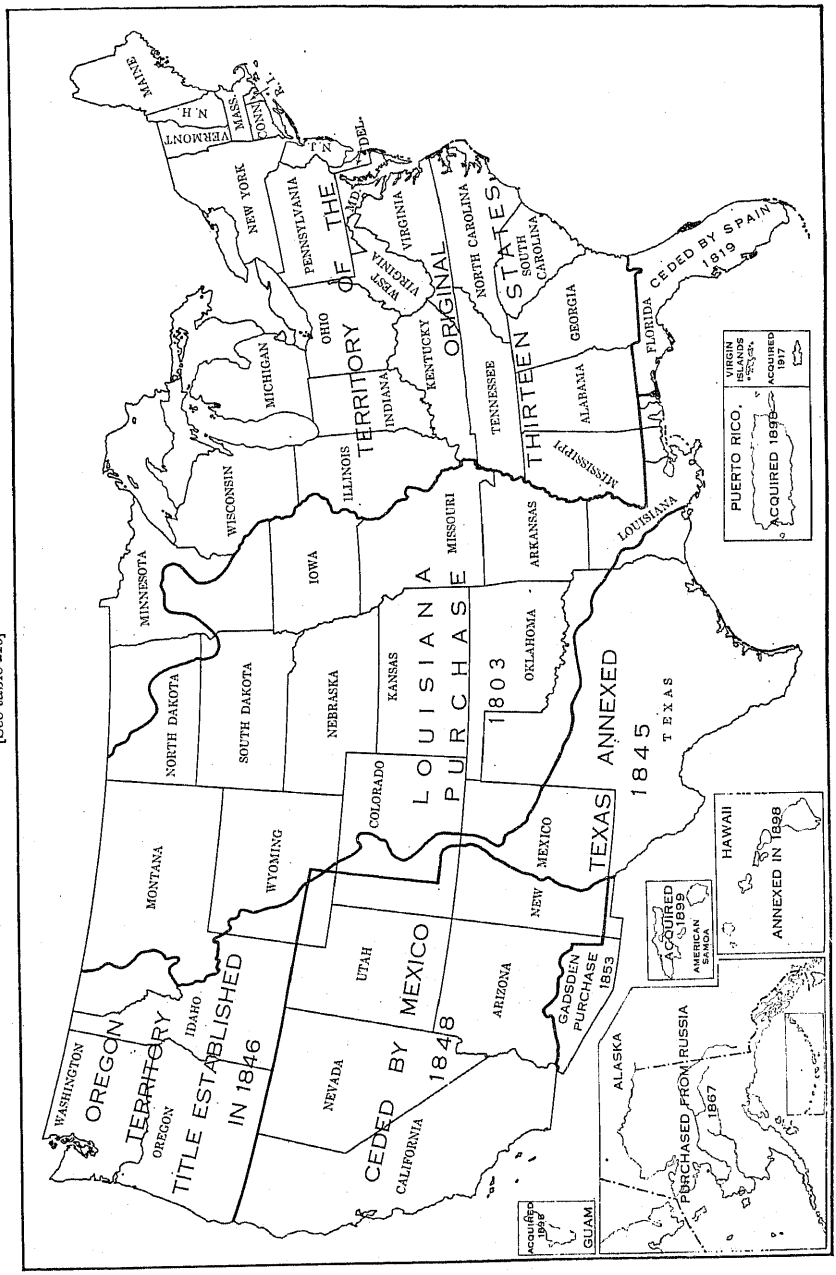
The degree-day normals are derived from the values for the monthly normal maximum and minimum temperatures, and are computed on the standard base 65° F. The degree day has been defined as follows: "A unit, based upon temperature difference and time, used in estimating fuel consumption and specifying nominal heating load in winter. For any one day, when the mean temperature is less than 65° F., there exist as many degree days as there are Fahrenheit degrees difference in the temperature between the average temperature for the day and 65° F."

Alaska and Hawaii.—For a general statement concerning the treatment of data for Alaska and Hawaii, see preface. "Conterminous area" refers to the United States excluding Alaska, Hawaii, and outlying areas.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, Colonial Times to 1957*, series J 1–2") provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XII. TERRITORIAL EXPANSION OF THE UNITED STATES AND ACQUISITIONS OF OTHER PRINCIPAL AREAS

[See table 210]



Source: Department of Commerce, Bureau of the Census.

No. 210. Territorial Expansion of the United States and Acquisitions of Other Areas

[Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession which are necessarily debatable. These determinations were made by a committee consisting of representatives of various governmental agencies in 1912. Subsequently these figures were adjusted to bring them into agreement with remeasurements made in 1960. See also *Historical Statistics, Colonial Times to 1957*, series J 1–2]

ACCESSION	Date	Gross area (land and water)
		Sq. mi.
Total (1960)		3,628,150
United States		3,615,211
Territory in 1790 [1]		888,811
Louisiana Purchase	1803	827,192
By treaty with Spain:		
Florida	1819	58,560
Other areas	1819	13,443
Texas	1845	390,144
Oregon	1846	285,580
Mexican Cession	1848	529,017
Gadsden Purchase	1853	29,640
Alaska	1867	586,400
Hawaii	1898	6,424
Other:		*Sq. mi.*
The Philippines [2]	*1898*	*115,600*
Puerto Rico	[3] 1899	3,435
Guam	[3] 1899	212
American Samoa	[4] 1900	76
Canal Zone [5]	1904	553
Corn Islands [6]	1914	4
Virgin Islands of the U.S.	1917	133
Trust Territory of the Pacific Islands [7]	1947	8,484
All other [8]		42

[1] Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase.
[2] Not included in total. Ceded by Spain in 1898, the Philippines constituted a territorial possession of the United States from 1898 to 1946. Granted independence as of July 4, 1946, they then became the Republic of the Philippines.
[3] Acquired 1898; ratified 1899.
[4] Acquired 1899; ratified 1900.
[5] Under jurisdiction of United States in accordance with treaty of Nov. 18, 1903, with Republic of Panama.
[6] Leased (1914) from Republic of Nicaragua for 99 years. [7] Under trusteeship. See table 4, footnote 16.
[8] Comprises following islands with gross areas as indicated: Midway (2), Wake (3), Palmyra (4), Canton and Enderbury (combined area, 27), Swan (1), Navassa (2), Baker, Howland, and Jarvis (combined area, 3), Johnston and Sand (combined area, less than 0.5), Kingman Reef, Quita Sueño Bank, Roncador Cay, and Serrano Bank (each less than 0.5), and other islands specified in table 4, footnote 9, for which area figures are not available.

Source: Department of Commerce, Bureau of the Census; reports and records.

No. 211. Coastline of the United States, by States

[In miles]

STATE	General coastline [1]	TIDAL SHORELINE	
		General [2]	Detailed [3]
U.S. excl. Alaska and Hawaii	4,840	12,877	53,677
Atlantic coast	1,888	6,370	28,377
Connecticut		96	618
Delaware	28	79	381
Florida	399	618	3,035
Georgia	100	603	2,344
Maine	228	676	3,478
Maryland	31	452	3,190
Massachusetts	192	453	1,519
New Hampshire	13	14	131
New Jersey	130	398	1,792
New York	127	470	1,850
North Carolina	301	1,030	3,375
Pennsylvania			89
Rhode Island	40	156	384
Atlantic coast—Con.			
South Carolina	187	758	2,876
Virginia	112	567	3,315
Gulf coast	1,659	4,097	17,437
Alabama	53	199	607
Florida	798	1,658	5,391
Louisiana	397	985	7,721
Mississippi	44	155	359
Texas	367	1,100	3,359
Pacific coast	1,293	2,410	7,863
California	840	1,190	3,427
Oregon	296	312	1,410
Washington	157	908	3,026
Alaska	6,640	15,132	33,904
Hawaii	775	900	1,092

[1] Figures are lengths of general outline of seacoast. Measurements made with unit measure of 30 minutes of latitude on charts as near scale of 1:1,200,000 as possible. Shoreline of bays and sounds is included to point where they narrow to width of unit measure, and distance across at such point is included.
[2] Measurements made with unit measure of 3 statute miles on charts of 1:200,000 and 1:400,000 scale when available. Shoreline of bays, sounds, and other bodies of water included to point where they narrow to width of 3 statute miles, and distance across at such point is included.
[3] Figures obtained in 1939–1940 with recording measure on largest scale maps and charts then available. Shoreline of bays, sounds, and other bodies of water included to head of tide-water, or to point where they narrow to width of 100 feet.

Source: Department of Commerce, Coast and Geodetic Survey; *Coastline of the United States*, January 1959, and records.

No. 212. Area, by States and for Other Areas: 1960

[Area in square miles. See also table 4]

STATE OR OTHER AREA	Capital	Year of admission to Statehood	AREA			
			Total	Rank order	Land [1]	Water [2]
United States			**3,615,211**		**3,548,974**	**66,237**
New England			**66,608**		**63,126**	**3,482**
Maine	Augusta	1820	33,215	39	31,012	2,203
New Hampshire	Concord	[3] 1788	9,304	44	9,014	290
Vermont	Montpelier	1791	9,609	43	9,276	333
Massachusetts	Boston	[3] 1788	8,257	45	7,867	390
Rhode Island	Providence	[3] 1790	1,214	50	1,058	156
Connecticut	Hartford	[3] 1788	5,009	48	4,899	110
Middle Atlantic			**102,745**		**100,467**	**2,278**
New York	Albany	[3] 1788	49,576	30	47,939	1,637
New Jersey	Trenton	[3] 1787	7,836	46	7,521	315
Pennsylvania	Harrisburg	[3] 1787	45,333	33	45,007	326
East North Central			**248,283**		**244,811**	**3,472**
Ohio	Columbus	1803	41,222	35	40,972	250
Indiana	Indianapolis	1816	36,291	38	36,185	106
Illinois	Springfield	1818	56,400	24	55,930	470
Michigan	Lansing	1837	58,216	23	57,019	1,197
Wisconsin	Madison	1848	56,154	26	54,705	1,449
West North Central			**517,247**		**509,674**	**7,573**
Minnesota	St. Paul	1858	84,068	12	80,009	4,059
Iowa	Des Moines	1846	56,290	25	56,032	258
Missouri	Jefferson City	1821	69,686	19	69,138	548
North Dakota	Bismarck	1889	70,665	17	69,457	1,208
South Dakota	Pierre	1889	77,047	16	76,378	669
Nebraska	Lincoln	1867	77,227	15	76,612	615
Kansas	Topeka	1861	82,264	14	82,048	216
South Atlantic			**278,902**		**267,695**	**11,207**
Delaware	Dover	[3] 1787	2,057	49	1,978	79
Maryland	Annapolis	[3] 1788	10,577	42	9,874	703
Dist. of Columbia			69	51	61	8
Virginia	Richmond	[3] 1788	40,815	36	39,838	977
West Virginia	Charleston	1863	24,181	41	24,079	102
North Carolina	Raleigh	[3] 1789	52,712	28	49,067	3,645
South Carolina	Columbia	[3] 1788	31,055	40	30,272	783
Georgia	Atlanta	[3] 1788	58,876	21	58,274	602
Florida	Tallahassee	1845	58,560	22	54,252	4,308
East South Central			**181,964**		**179,908**	**2,056**
Kentucky	Frankfort	1792	40,395	37	39,863	532
Tennessee	Nashville	1796	42,244	34	41,762	482
Alabama	Montgomery	1819	51,609	29	51,060	549
Mississippi	Jackson	1817	47,716	32	47,223	493
West South Central			**438,885**		**429,332**	**9,553**
Arkansas	Little Rock	1836	53,104	27	52,499	605
Louisiana	Baton Rouge	1812	48,523	31	45,106	3,417
Oklahoma	Oklahoma City	1907	69,919	18	68,887	1,032
Texas	Austin	1845	267,339	2	262,840	4,499
Mountain			**863,887**		**856,951**	**6,936**
Montana	Helena	1889	147,138	4	145,736	1,402
Idaho	Boise	1890	83,557	13	82,708	849
Wyoming	Cheyenne	1890	97,914	9	97,411	503
Colorado	Denver	1876	104,247	8	103,884	363
New Mexico	Santa Fe	1912	121,666	5	121,510	156
Arizona	Phoenix	1912	113,909	6	113,575	334
Utah	Salt Lake City	1896	84,916	11	82,339	2,577
Nevada	Carson City	1864	110,540	7	109,788	752
Pacific			**916,690**		**897,010**	**19,680**
Washington	Olympia	1889	68,192	20	66,709	1,483
Oregon	Salem	1859	96,981	10	96,248	733
California	Sacramento	1850	158,693	3	156,573	2,120
Alaska	Juneau	1959	586,400	1	571,065	15,335
Hawaii	Honolulu	1959	6,424	47	6,415	9
American Samoa	Pago Pago		76		76	
Canal Zone [4]			553		362	191
Guam	Agana		212		209	3
Puerto Rico	San Juan		3,435		3,421	14
Trust Terr. of Pacific Islands [5]			8,484		687	7,797
Virgin Islands of U.S.	Charlotte Amalie		133		132	1

[1] Dry land and land temporarily or partially covered by water, such as marshland, swamps, and river flood plains; streams, sloughs, estuaries, and canals less than one-eighth of a statute mile in width; and lakes, reservoirs, and ponds less than 40 acres of area.

[2] Permanent inland water surface, such as lakes, reservoirs, and ponds having 40 acres or more of area; streams, sloughs, estuaries, and canals one-eighth of a statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water; and islands having less than 40 acres of area. Does not include water surface of the oceans, bays, the Gulf of Mexico, the Great Lakes, Long Island Sound, Puget Sound, and the Straits of Juan de Fuca and Georgia, lying within the jurisdiction of the United States but not defined as inland water.

[3] Year of ratification of Constitution; one of the original 13 States.

[4] See table 4, footnote 13. [5] See table 4, footnote 16.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Population: 1960*, Vol. I, reports and records.

No. 213. Extreme Points of the United States

[The geographic center of an area may be defined as that point on which the surface of the area would balance if it were a plane of uniform thickness, or in other words, the center of gravity of the surface. The exact position of the geographic center of the United States cannot be determined from the data available and the positions given here must be considered approximate only. They are believed to be sufficiently accurate for ordinary purposes]

Location	Direction from geographic center	Coordinates		Distance from geographic center
		Latitude (N)	Longitude (W)	
From geographic center of United States (conterminous area) [1] near Lebanon, Smith County, Kans., 39°50′, 98°35′ to—				*Miles*
Lake of the Woods, Minnesota	North	49°23′	95°09′	680
West Quoddy Head, Maine	Northeast	44°49′	66°57′	1,640
Cape Sable, Florida	Southeast	25°07′	81°05′	1,434
Cape Alava, Washington	Northwest	48°10′	124°44′	1,412
From geographic center of United States (excl. Hawaii) [2] near Castle Rock, Butte County, S. Dak., 44°59′, 103°38′ to—				
Point Barrow, Alaska	Northwest	71°23′	156°29′	2,504
West Quoddy Head, Maine	East	44°49′	66°57′	1,779
Cape Sable, Florida	Southeast	25°07′	81°05′	1,860
Cape Wrangell, Attu Island, Alaska	Northwest	52°55′	172°27′ (E)	3,623
From geographic center of the United States (incl. Alaska and Hawaii) [3] west of Castle Rock, S. Dak., 44°58′, 103°46′ to—				
Point Barrow, Alaska	Northwest	71°23′	156°29′	2,502
West Quoddy Head, Maine	East	44°49′	66°57′	1,785
Ka Lae (South Cape), Hawaii Island, Hawaii	Southwest	18°56′	155°41′	3,456
Kure Island, Hawaii	Southwest	28°25′	178°22′	4,136

[1] Excludes adjacent islands.
[2] Excludes the adjacent islands to the United States (conterminous area).
[3] Excludes islands adjacent to the United States (conterminous area) but includes all islands of the Aleutian chain and Hawaii.

Note.—The following distances are computed to mean sea level: (*a*) from West Quoddy Head west along the parallel to the Pacific Ocean the distance is 2,807 miles; (*b*) from the south point of Texas due north to the 49th parallel the distance is 1,598 miles; (*c*) the two points farthest apart are Kure Island, Hawaii, and Mangrove Point, Florida, a distance of 5,848 miles; (*d*) length of the northern boundary, excluding Alaska, is 3,987 miles; (*e*) length of the Mexican boundary from the Gulf of Mexico to the Pacific Ocean is approximately 2,013 miles; (*f*) length of the Canadian-Alaskan boundary from Arctic Ocean to Portland Canal is approximately 1,538 miles.

The Lake of the Woods projection extends to latitude 49°23′ at longitude 95°09′. The extreme south point of Texas is in latitude 25°50′, longitude 97°24′.

Source: Department of the Interior, Geological Survey; *Boundaries, Areas, Geographic Centers, and Altitudes of the United States and the Several States* (bulletin 817), M10–18, and records.

No. 214. Water Area, Other Than Inland Water, by Primary Bodies of Water, by States

[**In square miles.** Includes only that portion of body of water under the jurisdiction of the U.S., excluding Alaska and Hawaii. Excludes inland waters (see footnote 2, table 212)]

Body of water	State	Area	Body of water	State	Area
Total		74,364	Gulf of Mexico coastal water		3,837
Atlantic coastal water		2,298		Alabama	560
	Florida	37		Florida	1,698
	Georgia	48		Louisiana	1,016
	Maine	1,102		Mississippi	556
	Massachusetts	959		Texas	7
	Rhode Island	14	Lake Michigan		22,178
	South Carolina	138		Illinois	1,526
Chesapeake Bay		3,237		Indiana	228
	Maryland	1,726		Michigan	13,037
	Virginia	1,511		Wisconsin	7,387
Delaware Bay		665	New York Harbor		92
	Delaware	350		New Jersey	69
	New Jersey	315		New York	23
Lake Erie		5,002	Lake Ontario	New York	3,033
	Michigan	216	Pacific coastal water		343
	New York	594		California	69
	Ohio	3,457		Oregon	48
	Pennsylvania	735		Washington	226
Straits of Georgia and Juan de Fuca	Washington	1,610	Puget Sound	Washington	561
Lake Huron	Michigan	8,975	Lake St. Clair	Michigan	116
Long Island Sound		1,299	Lake Superior		21,118
	Connecticut	573		Michigan	16,231
	New York	726		Minnesota	2,212
				Wisconsin	2,675

Source: Department of Commerce, Bureau of the Census; *Areas of the United States: 1940.*

No. 215. Lengths of Principal Rivers

[Comprises rivers 400 miles or more in length. Length represents distance to designated outflow from (*a*) original headwater of named river where name applies to entire length of channel, or (*b*) upper limit of channel so-named, usually the junction of 2 tributaries or headwater streams]

River	Outflow	Length (miles)
Apalachicola-Chattahoochee	Gulf of Mexico	500
Arkansas	Mississippi River	1,450
Brazos	Gulf of Mexico	870
Canadian	Arkansas River	906
Cimarron	Arkansas River	600
Clark Fork-Pend Oreille	Columbia River	505
Colorado (U.S.-Mex.)	Gulf of California	1,450
Colorado (Texas)	Matagorda Bay	840
Columbia	Pacific Ocean	1,214
Columbia, Upper	To mouth of Snake River	890
Connecticut	Long Island Sound	407
Cumberland	Ohio River	687
Gila	Colorado River	630
Green (Utah-Wyo.)	Colorado River	730
James (N. Dak.-S. Dak.)	Missouri River	710
Koyukuk	Yukon River	500
Kuskokwim	Kuskokwim Bay	550
Little Missouri	Missouri River	560
Milk	Missouri River	625
Mississippi	Mouth of SW Pass	2,348
Mississippi, Upper	To mouth of Missouri River	1,171
Mississippi-Missouri-Red Rock	Mouth of SW Pass	3,860
Missouri	Mississippi River	2,466
Missouri-Red Rock	Mississippi River	2,683
Mobile-Alabama-Coosa	Mobile Bay	639
Neosho	Arkansas River	460
Niobrara	Missouri River	431
North Canadian	Canadian River	760
North Platte	Platte River	618
Ohio	Mississippi River	981
Ohio-Allegheny	Mississippi River	1,306
Osage	Missouri River	500
Ouachita	Red River	605
Pearl	Gulf of Mexico	490
Pecos	Rio Grande	735
Pee Dee-Yadkin	Winyah Bay	435
Porcupine	Yukon River	450
Red (Okla.-Tex.-La.)	Mississippi River	1,018
Red River of the North	Lake Winnipeg	545
Republican	Kansas River	445
Rio Grande	Gulf of Mexico	1,885
St. Francis	Mississippi River	425
Salmon (Idaho)	Snake River	420
Santee-Wateree-Catawba	Atlantic Ocean	538
Smoky Hill	Kansas River	540
Snake	Columbia River	1,038
South Platte	Platte River	424
Susquehanna	Chesapeake Bay	444
Tanana	Yukon River	800
Tennessee	Ohio River	652
Tennessee-French Broad	Ohio River	862
Tombigbee	Mobile River	409
Wabash	Ohio River	475
Washita	Red River	500
White (Ark.-Mo.)	Mississippi River	690
Wisconsin	Mississippi River	430
Yellowstone	Missouri River	671
Yukon	Bering Sea	1,800

Source: Department of the Interior, Geological Survey.

No. 216. Areas of Selected Natural Lakes

[In square miles. Comprises lakes with surface area of 100 square miles or more]

Lake	State	Area
Bear	Idaho and Utah	122
Becharof	Alaska	454
Calcasieu [1]	Louisiana	117
Champlain	New York, Vermont, and Canada	490
Flathead	Montana	188
Great Salt [1]	Utah	[2] 1,700
Iliamna	Alaska	1,033
Lake of the Woods	Minnesota and Canada	1,485
Leech	Minnesota	222
Mille Lacs	Minnesota	208
Moosehead	Maine	117
Naknek	Alaska	221
Okeechobee	Florida	700
Pend Oreille	Idaho	123
Pontchartrain [1]	Louisiana	625
Rainy	Minnesota and Canada	345
Red Lake (Upper and Lower)	Minnesota	440
St. Clair	Michigan and Canada	460
Salton Sea [1]	California	[2] 350
Tahoe	California and Nevada	193
Teshekpuk	Alaska	310
Ugashik	Alaska	148
Utah	Utah	145
Winnebago	Wisconsin	215
Yellowstone	Wyoming	140

[1] Salty. [2] Variable.

Source: Department of the Interior, Geological Survey.

No. 217. Extreme and Mean Altitudes in the United States, by States and for Other Areas

[In feet]

State or other area	Highest point		Lowest point		Approximate mean altitude
	Name	Altitude	Name	Altitude	
United States	**Mount McKinley**	20,320	**Death Valley**	−282	2,500
Alabama	Cheaha Mountain	2,407	Gulf of Mexico	(1)	500
Alaska	Mount McKinley	20,320	Pacific Ocean	(1)	1,900
Arizona	Humphreys Peak	12,670	Colorado River	100	4,100
Arkansas	Magazine Mountain	2,823	Ouachita River	55	650
California	Mount Whitney	14,495	Death Valley	−282	2,900
Colorado	Mount Elbert	14,431	Arkansas River	3,350	6,800
Connecticut	Mt. Frissell, on South slope	2,380	Long Island Sound	(1)	500
Delaware	Ebright Road	442	Atlantic Ocean	(1)	60
Dist. of Col	Tenleytown	410	Potomac River	(1)	150
Florida	Sec. 30, T6N, R20W, Walton County	345	Atlantic Ocean	(1)	100
Georgia	Brasstown Bald	4,784	Atlantic Ocean	(1)	600
Hawaii	Mauna Kea	13,796	Pacific Ocean	(1)	1,990
Idaho	Borah Peak	12,662	Snake River	720	5,000
Illinois	Charles Mound	1,241	Mississippi River	279	600
Indiana	Franklin Twp., Randolph County	1,253	Ohio River	320	700
Iowa	T100N, R44W, Osceola Co.	1,675	Mississippi River	480	1,100
Kansas	In T15S, R43W, Wallace Co.	4,135	Verdigris River	700	2,000
Kentucky	Black Mountain	4,145	Mississippi River	257	750
Louisiana	Driskill Mountain	535	New Orleans	−5	100
Maine	Mount Katahdin	5,268	Atlantic Ocean	(1)	600
Maryland	Backbone Mountain, near Kempton, W. Va	3,360	Atlantic Ocean	(1)	350
Massachusetts	Mount Greylock	3,491	Atlantic Ocean	(1)	500
Michigan	Sec. 2, T50N, R31W, Baraga County	1,980	Lake Erie	572	900
Minnesota	Misquah Hills	2,230	Lake Superior	602	1,200
Mississippi	Woodall Mountain, near Iuka	806	Gulf of Mexico	(1)	300
Missouri	Taum Sauk Mountain	1,772	St. Francis River	230	800
Montana	Granite Peak	12,799	Kootenai River	1,800	3,400
Nebraska	Johnson Twp., Kimball Co.	5,424	Southeast corner of State	840	2,600
Nevada	White Mountains, Boundary Peak	13,145	Colorado River	470	5,500
New Hampshire	Mount Washington	6,288	Atlantic Ocean	(1)	1,000
New Jersey	High Point	1,803	Atlantic Ocean	(1)	250
New Mexico	Wheeler Peak	13,160	Red Bluff Res	2,817	5,700
New York	Mount Marcy	5,344	Atlantic Ocean	(1)	1,000
North Carolina	Mount Mitchell	6,684	Atlantic Ocean	(1)	700
North Dakota	White Butte	3,530	Red River	750	1,900
Ohio	Campbell Hill	1,550	Ohio River	433	850
Oklahoma	Black Mesa	4,978	Red River	300	1,300
Oregon	Mount Hood	11,245	Pacific Ocean	(1)	3,300
Pennsylvania	Negro Mountains (Mount Davis)	3,213	Delaware River	(1)	500
Rhode Island	Jerimoth Hill	812	Atlantic Ocean	(1)	200
South Carolina	Sassafras Mountain	3,560	Atlantic Ocean	(1)	350
South Dakota	Harney Peak	7,242	Big Stone Lake	962	2,200
Tennessee	Clingmans Dome	6,642	Mississippi River	182	900
Texas	Guadalupe Peak	8,751	Gulf of Mexico	(1)	1,700
Utah	Kings Peak	13,498	Beaverdam Creek	2,000	6,100
Vermont	Mount Mansfield	4,393	Lake Champlain	95	1,000
Virginia	Mount Rogers	5,720	Atlantic Ocean	(1)	950
Washington	Mount Rainier	14,410	Pacific Ocean	(1)	1,700
West Virginia	Spruce Knob	4,860	Potomac River	240	1,500
Wisconsin	Rib Mountain	1,941	Lake Michigan	581	1,050
Wyoming	Gannett Peak	13,785	Belle Fourche River	3,100	6,700
Canal Zone	Cerro Galera	1,205	Atlantic Ocean	(1)	100
Guam	Mount Lamlam	1,334	Pacific Ocean	(1)	650
Puerto Rico	Cerro de Punta	4,389	Atlantic Ocean	(1)	2,200
American Samoa	Lata	3,056	Pacific Ocean	(1)	1,500
Virgin Islands	Crown Mountain	1,556	Atlantic Ocean	(1)	750

1 Sea level.

Source: Department of the Interior, Geological Survey.

No. 218. Altitudes of Named Mountain Peaks

[In feet. Comprises peaks 14,000 feet or over, above sea level]

SUMMIT	State	Rank	Altitude
Alverstone	Alaska	14	14,500
Antero	Colo	27	14,269
Augusta	Alaska	62	14,070
Bear	Alaska	11	14,850
Belford	Colo	39	14,197
Bierstadt	Colo	69	14,046
Blackburn	Alaska	5	16,523
Blanca Peak	Colo	22	14,317
Bona	Alaska	6	16,421
Bross	Colo	42	14,169
Brown Tower	Alaska	13	14,530
Cameron (Pk.)	Colo	36	14,238
Capitol Peak	Colo	52	14,137
Castle (Gunnison-Pitkin Counties)	Colo	30	14,259
Columbia	Colo	61	14,073
Crestone	Colo	24	14,291
Crestone Needle (Custer-Saguache Counties)	Colo	41	14,191
Culebra	Colo	63	14,069
Democrat	Colo	51	14,142
Elbert	Colo	16	14,431
El Diente	Colo	45	14,159
Eolus (Aeolus)	Colo	58	14,086
Evans (Clear Creek County)	Colo	29	14,260
Fairweather	Alaska	9	15,300
Foraker	Alaska	4	17,395
Grays	Colo	26	14,274
Grizzly	Colo	85	14,000
Handies	Colo	68	14,049
Harvard	Colo	17	14,420
Hubbard	Alaska	10	14,950
Humbolt	Colo	70	14,044
Hunter	Alaska	12	14,580
Huron	Colo	83	14,005
Kit Carson	Colo	56	14,100
Langley	Calif	75	14,028
La Plata	Colo	21	14,340
Liberty Cap	Wash	53	14,133
Lincoln	Colo	25	14,284
Lindsey	Colo	54	14,125
Little Bear Peak	Colo	71	14,040
Longs	Colo	31	14,255
Maroon Peak	Colo	46	14,158
Massive	Colo	18	14,418
McKinley	Alaska	1	20,320
Middle Palisade	Calif	72	14,040
Missouri Mountain	Colo	64	14,067
Muir	Calif	80	14,015
North Maroon Peak	Colo	86	14,000
North Palisade	Calif	35	14,242
North Peak	Alaska	2	19,370
Oxford	Colo	48	14,153
Pikes Peak	Colo	55	14,110
Point Success	Wash	49	14,150
Princeton	Colo	38	14,197
Pyramid (Pitkin County)	Colo	84	14,000
Quandary	Colo	32	14,252
Ranier	Wash	19	14,410
Red Cloud	Colo	67	14,050
Russell	Calif	59	14,086
St. Elias	Alaska	3	18,008
Sanford	Alaska	7	16,208
San Luis	Colo	81	14,014
Shasta	Calif	44	14,162
Shavano	Colo	37	14,229
Sherman	Colo	73	14,037
Sill, Mount	Calif	43	14,162
Sneffels	Colo	50	14,150
Snowmass	Colo	60	14,077
Split	Calif	66	14,058
Stewart	Colo	74	14,032
Sunlight	Colo	65	14,060
Sunshine (Pk.)	Colo	77	14,018
Tabeguache	Colo	47	14,155
Torreys	Colo	28	14,264
Tyndall	Calif	76	14,018
Uncompahgre	Colo	23	14,301
Vancouver	Alaska	8	15,700
Wetterhorn (Pk.)	Colo	78	14,017
White	Calif	34	14,246
Whitney	Calif	15	14,495
Williamson	Calif	20	14,375
Wilson Mountain	Colo	33	14,246
Wilson (Pk.) (San Miguel County)	Colo	79	14,017
Windom	Colo	57	14,091
Wrangell	Alaska	82	14,006
Yale	Colo	40	14,196

Source: Department of the Interior, Geological Survey.

No. 219. Tornadoes, Floods, and Tropical Storms: 1926 to 1959

[Excludes Alaska and Hawaii]

PERIOD OR YEAR	TORNADOES				FLOODS		NORTH ATLANTIC TROPICAL STORMS AND HURRICANES [1]		
	Number	Lives lost		Number with property loss of $1,000,000 and over	Lives lost	Property loss (mil. dol.)	Number reaching U.S. coast		Lives lost in U.S.
		Total	Most in a single tornado during period				Total	Hurricanes only	
1926-30	866	1,229	92	15	557	500	11	8	2,108
1931-35	830	909	37	7	368	187	21	12	494
1936-40	787	916	216	12	607	879	21	8	663
1941-45	727	980	100	22	346	605	20	11	105
1946-50	902	813	169	22	306	843	22	12	79
1951-55	2,087	940	116	39	502	2,507	18	9	416
1951	272	34	6	7	51	1,029	1	0	0
1952	236	230	57	10	54	254	2	1	3
1953	437	516	116	15	40	122	6	2	2
1954	549	35	6	3	55	107	4	3	193
1955	593	125	80	4	302	995	5	3	218
1956	532	83	25	13	42	65	2	1	21
1957	864	191	44	19	82	360	5	1	395
1958	565	66	19	4	47	218	1	0	2
1959	589	58	21	4	(2)	(2)	7	5	24

[1] Tropical storms have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher. [2] Not available.

Source: Department of Commerce, Weather Bureau; *Climatological Data*, annual national summary issues.

No. 220. Estimated Water Use: 1900 to 1980

[**In billions of gallons daily average.** In preparing these projections, it was estimated that the population residing in the United States (conterminous area) would grow from 176.2 million in 1959 to 230.8 million in 1980, and that the index of industrial production would rise from approximately 152 to 330 in the same period. See also *Historical Statistics, Colonial Times to 1957*, series J 91–102]

Year	Total water use		Irrigation [1]		Public water utilities		Self-supplied uses: Rural domestic [2]		Self-supplied uses: Industrial and miscellaneous [3]		Self-supplied uses: Steam electric utilities	
	Total	Ground	Total	Ground	Total	Ground	Total	Ground	Total	Ground	Total	Ground
1900	40.19	7.28	20.19	2.22	3.00	1.05	2.00	1.60	10.00	2.40	5.00	0.01
1910	66.44	11.68	39.04	5.27	4.70	1.49	2.20	1.76	14.00	3.15	6.50	0.01
1920	91.54	15.78	55.94	8.17	6.00	1.79	2.40	1.94	18.00	3.87	9.20	0.01
1930	110.50	18.18	60.20	9.09	8.00	2.30	2.90	2.40	21.00	4.37	18.40	0.02
1940	136.43	22.56	71.03	11.22	10.10	2.82	3.10	2.64	29.00	5.86	23.20	0.02
1945	170.46	28.33	83.06	14.12	12.00	3.28	3.20	2.78	41.00	8.12	31.20	0.03
1950	202.70	35.19	100.00	19.80	14.10	3.78	4.60	4.09	38.10	7.47	45.90	0.05
1955	263.80	47.79	116.30	29.08	16.30	4.27	5.40	4.91	49.20	9.45	76.60	0.08
1960	322.90	58.17	135.00	35.24	22.00	5.68	6.00	5.58	61.20	11.57	98.70	0.10
1965	371.70	66.30	148.10	40.14	25.00	6.28	6.50	6.14	73.20	13.62	118.90	0.12
1970	411.20	73.27	159.00	44.20	27.00	6.64	6.90	6.56	86.00	15.74	132.30	0.13
1975	449.70	79.37	169.70	47.52	29.80	7.15	7.20	6.85	98.40	17.71	144.60	0.14
1980	494.10	84.94	178.00	50.02	32.00	7.36	7.40	7.04	115.00	20.36	161.70	0.16

[1] Total take, including delivery losses but not including reservoir evaporation.
[2] Domestic farm and nonfarm household and garden use, and water for farm stock and dairies.
[3] Manufacturing industries, mineral industries, rural commercial, air conditioning, resorts, hotels, motels, military and other State and Federal, and other miscellaneous uses.

Source: Department of Commerce, Business and Defense Services Administration.

No. 221. Inventory of Public Water Supplies for Community Water Systems: 1957

[Includes only systems serving a population of 25,000 or more. Estimated number of public water systems in the United States (conterminous area) is 17,900 systems serving a population of approximately 119 million. An estimated 16 percent of water used by manufacturing industries is supplied by public water systems]

Item	Total	Communities having a population served of— 500,000 or more	250,000 to 500,000	100,000 to 250,000	50,000 to 100,000	25,000 to 50,000 [1]
Communities and districts ... number	604	41	32	114	186	231
1950 Census population ... 1,000	65,285	32,542	5,532	11,266	9,121	6,824
Estimated population served ... do	89,282	46,608	9,645	15,503	10,567	6,959
Ownership of public water supply ... number	576	41	32	111	182	210
Municipal or district—public ... do	469	35	21	92	150	171
Private ... do	107	6	11	19	32	39
Average output of water [2] ... mil. gal. daily	12,732	6,963	1,194	2,154	1,426	995
Water used, maximum month [2] ... mil. gal.	543,812	292,737	51,777	98,628	59,353	41,315
Water used, maximum day [2] ... mil. gal. daily	21,047	11,111	2,072	3,761	2,394	1,709
Impounded storage ... mil. gal.	5,807,314	2,346,384	541,316	1,240,670	256,215	1,422,729
Transmission capacity, maximum ... mil. gal. daily	28,639	17,941	3,206	3,504	2,684	1,304
Dependable yield, ground water ... do	5,603	848	524	1,776	1,278	1,177
Raw water storage ... mil. gal.	160,373	105,032	50,864	1,386	1,035	2,056
Raw water pumping capacity ... mil. gal. daily	20,402	10,257	1,885	4,006	2,331	1,923
Treatment plant:						
Rated capacity ... do	20,340	9,925	2,351	3,877	2,212	1,975
Overload capacity [2] ... do	25,036	12,507	2,866	4,618	2,688	2,355
Service pumping capacity ... mil. gal. daily	26,152	12,160	2,541	5,338	3,694	2,419
Distribution storage:						
Pumped to mains ... mil. gal.	4,563	1,688	382	1,099	614	780
Elevated ... do	62,759	55,851	1,000	3,354	1,902	652
Number of services [2] ... 1,000	17,613	7,380	1,857	3,594	2,789	1,993
Number of meters [2] ... do	15,363	5,679	1,811	3,520	2,523	1,830

[1] Includes systems serving over 25,000 population although Census population was less than 25,000.
[2] Approximately 2 to 4 percent estimated.

Source: Department of Commerce, Business and Defense Services Administration.

No. 222. Ground Elevation of Weather Stations and Mean and Latest Date in Spring, and Mean and Earliest Date in Fall, of Occurrence of Freeze (32°), for Selected Cities

[Date of freeze based on standard 30-year period (1921 to 1950)]

Station		Ground elevation (feet)	Occurrence of freeze: Spring date		Occurrence of freeze: Fall date	
			Mean	Latest	Mean	Earliest
Alabama	Mobile	10	Feb. 20	Mar. 20	Dec. 5	Nov. 15
Alaska	Juneau	15	Apr. 27	June 8	Oct. 19	Sept. 22
Arizona	Phoenix	1,083	Jan. 30	Mar. 2	Dec. 5	Nov. 4
Arkansas	Little Rock	257	Mar. 16	Apr. 13	Nov. 15	Oct. 23
California	Los Angeles	312	Jan. 17	Jan. 21	----------	None
	Sacramento	25	Jan. 28	Mar. 14	Dec. 5	Nov. 4
	San Francisco	52	Jan. 17	Jan. 21	Dec. 12	Dec. 11
Colorado	Denver	5,221	May 2	May 28	Oct. 14	Sept. 18
Connecticut	Hartford	169	Apr. 22	May 10	Oct. 19	Sept. 27
Delaware	Wilmington	73	Apr. 18	May 9	Oct. 26	Sept. 27
Dist. of Col	Washington	72	Apr. 10	May 12	Oct. 28	Oct. 2
Florida	Jacksonville	18	Feb. 15	May 14	Nov. 30	Nov. 9
	Miami	8	----------	----------	----------	----------
Georgia	Atlanta	1,054	Mar. 20	Apr. 15	Nov. 19	Oct. 24
Hawaii	Honolulu	12	----------	----------	----------	----------
Idaho	Boise	2,842	Apr. 29	May 23	Oct. 16	Sept. 20
Illinois	Chicago	610	Apr. 19	May 13	Oct. 28	Sept. 25
	Peoria	654	Apr. 22	May 25	Oct. 16	Sept. 29
Indiana	Indianapolis	718	Apr. 17	May 11	Oct. 27	Oct. 1
Iowa	Des Moines	807	Apr. 20	May 11	Oct. 19	Sept. 28
Kansas	Wichita	1,321	Apr. 5	Apr. 21	Nov. 1	Sept. 27
Kentucky	Louisville	457	Apr. 1	Apr. 19	Nov. 7	Oct. 15
Louisiana	New Orleans	9	Feb. 15	Mar. 20	Dec. 3	Nov. 13
Maine	Portland	61	Apr. 29	May 30	Oct. 15	Sept. 17
Maryland	Baltimore	146	Mar. 28	Apr. 16	Nov. 17	Oct. 20
Massachusetts	Boston	15	Apr. 16	May 19	Oct. 25	Sept. 26
Michigan	Detroit	619	Apr. 25	May 12	Oct. 23	Sept. 29
	Sault Ste. Marie	721	May 18	June 8	Oct. 3	Aug. 22
Minnesota	Duluth	1,162	May 13	June 1	Oct. 3	Sept. 13
	Minneapolis	830	Apr. 30	May 24	Oct. 13	Sept. 18
Mississippi	Jackson	305	Mar. 10	Apr. 13	Nov. 13	Oct. 17
Missouri	Kansas City	741	Apr. 5	Apr. 17	Oct. 31	Oct. 6
	St. Louis	465	Apr. 2	May 2	Nov. 8	Oct. 14
Montana	Great Falls	3,664	May 14	June 8	Sept. 26	Sept. 7
Nebraska	Omaha	978	Apr. 14	----------	Oct. 19	----------
Nevada	Reno	4,397	May 14	June 25	Oct. 2	Aug. 30
New Hampshire	Concord	339	May 11	May 26	Sept. 30	Sept. 13
New Jersey	Atlantic City	8	Apr. 10	----------	Nov. 5	----------
New Mexico	Albuquerque	5,310	Apr. 16	May 18	Oct. 29	Oct. 11
New York	Albany	19	Apr. 27	May 20	Oct. 13	Sept. 23
	Buffalo	693	Apr. 30	May 24	Oct. 25	Sept. 23
	New York	10	Apr. 7	Apr. 24	Nov. 12	Oct. 19
North Carolina	Charlotte	727	Mar. 21	Apr. 16	Nov. 15	Oct. 15
	Raleigh	400	Mar. 24	Apr. 20	Nov. 16	Oct. 29
North Dakota	Bismarck	1,650	May 11	May 30	Sept. 24	Sept. 6
Ohio	Cincinnati	761	Apr. 15	May 25	Oct. 25	Sept. 28
	Cleveland	787	Apr. 21	May 14	Nov. 2	Sept. 29
	Columbus	815	Apr. 17	May 9	Oct. 30	Oct. 7
Oklahoma	Oklahoma City	1,254	Mar. 28	Apr. 17	Nov. 7	Oct. 23
Oregon	Portland	30	Feb. 28	May 4	Nov. 26	Oct. 30
Pennsylvania	Philadelphia	26	Mar. 30	Apr. 20	Nov. 17	Oct. 19
	Pittsburgh	749	Apr. 16	May 4	Nov. 3	Oct. 10
Rhode Island	Providence	55	Apr. 13	Apr. 24	Oct. 27	Oct. 3
South Carolina	Columbia	217	Mar. 14	Apr. 13	Nov. 21	Nov. 1
South Dakota	Sioux Falls	1,420	May 5	May 29	Oct. 3	Sept. 12
Tennessee	Memphis	263	Mar. 20	Apr. 15	Nov. 12	Oct. 17
	Nashville	577	Mar. 28	Apr. 19	Nov. 7	Oct. 17
Texas	Dallas	487	----------	----------	----------	----------
	El Paso	3,920	----------	----------	----------	----------
	Houston	41	Feb. 5	Mar. 26	Dec. 11	Oct. 25
Utah	Salt Lake City	4,260	Apr. 12	Apr. 30	Nov. 1	Sept. 25
Vermont	Burlington	331	May 8	May 23	Oct. 3	Sept. 13
Virginia	Norfolk	26	Mar. 18	Apr. 14	Nov. 27	Nov. 7
	Richmond	162	Apr. 2	Apr. 20	Nov. 8	Oct. 21
Washington	Seattle	14	Feb. 23	Apr. 3	Nov. 26	Oct. 19
	Spokane	2,357	Apr. 20	May 16	Oct. 12	Sept. 18
West Virginia	Charleston	950	Apr. 18	May 11	Oct. 28	Sept. 29
Wisconsin	Milwaukee	672	Apr. 20	May 9	Oct. 25	Sept. 24
Wyoming	Cheyenne	6,131	May 20	June 18	Sept. 27	Sept. 5
Puerto Rico	San Juan	47	----------	----------	----------	----------

Source: Department of Commerce, Weather Bureau; records.

No. 223. Normal Monthly Average Temperature, for Selected Cities

[**In Fahrenheit degrees.** Based on standard 30-year period (1921 to 1950). See also *Historical Statistics, Colonial Times to 1957*, series J 109–135 and J 163–265, for related data]

STATION		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	53.1	55.5	60.1	67.4	74.3	80.5	81.9	82.0	78.7	69.9	59.4	54.1	68.1
Alaska	Juneau	29.5	29.9	34.4	40.4	47.8	54.5	56.0	55.9	50.8	44.0	36.2	30.6	42.5
Ariz.	Phoenix	51.3	55.7	60.9	68.2	76.6	85.0	90.5	88.9	83.6	72.1	60.1	53.4	70.5
Ark.	Little Rock	41.8	45.6	52.8	62.5	69.8	78.5	81.9	81.3	74.8	64.1	51.5	43.9	62.4
Calif.	Los Angeles	55.0	56.4	58.9	61.5	64.8	67.8	72.5	72.9	71.0	66.6	62.1	57.3	63.9
	Sacramento	45.2	50.6	54.9	59.2	65.0	71.2	75.3	74.0	71.3	63.8	54.3	46.7	60.9
	San Francisco	50.1	53.0	54.9	55.7	57.1	59.1	58.9	59.3	61.6	61.0	57.2	51.9	56.7
Colo.	Denver	31.4	34.5	39.3	48.6	57.3	67.3	73.7	72.4	63.7	53.0	41.3	34.1	51.4
Conn.	Hartford	27.0	27.5	36.9	47.4	58.9	67.7	72.7	70.4	63.1	52.6	41.7	30.1	49.7
Del.	Wilmington	33.3	33.7	42.5	51.8	62.8	71.8	75.9	73.8	68.0	56.2	45.5	35.1	54.2
D.C.	Washington	36.5	37.5	45.7	54.7	65.2	73.9	77.8	75.8	69.9	58.4	48.0	38.2	56.8
Fla.	Jacksonville	57.3	58.7	63.4	69.1	75.2	80.2	81.7	81.5	79.1	71.3	62.7	57.7	69.8
	Miami	68.5	68.7	70.8	74.1	77.1	80.3	81.6	82.1	81.0	77.6	72.3	69.5	75.3
Ga.	Atlanta	44.6	46.6	53.1	61.5	69.5	76.9	78.7	78.1	73.9	63.5	62.1	45.3	62.0
Hawaii	Honolulu	72.0	72.0	72.2	73.3	75.1	76.9	77.9	78.5	78.3	77.5	75.2	73.3	75.2
Idaho	Boise	27.3	34.0	41.8	49.9	58.1	65.1	74.8	72.5	62.4	52.6	39.6	31.0	50.8
Ill.	Chicago	24.9	27.4	37.0	48.1	59.2	69.4	74.6	72.7	65.6	54.1	39.5	28.0	50.1
	Peoria	25.0	28.3	38.3	50.5	61.0	70.9	75.7	73.7	66.3	54.7	39.7	28.6	51.0
Ind.	Indianapolis	31.1	33.1	41.9	52.7	63.5	73.5	78.0	75.9	69.2	58.2	43.6	33.2	54.5
Iowa	Des Moines	22.8	26.7	37.6	51.0	62.0	71.5	77.1	74.5	66.5	55.0	39.1	27.0	50.9
Kans.	Wichita	32.0	37.2	45.3	56.2	64.9	75.3	80.9	79.9	71.7	60.2	45.1	35.5	57.0
Ky.	Louisville	35.6	37.8	46.1	56.5	65.9	74.9	78.6	76.9	71.1	59.8	46.7	37.6	57.3
La.	New Orleans	55.9	58.5	63.0	69.8	76.1	81.9	83.1	83.4	80.3	72.8	62.5	57.1	70.4
Maine	Portland	20.7	21.5	31.5	41.9	52.3	61.8	67.8	66.4	58.6	48.4	37.5	25.1	44.5
Md.	Baltimore	36.6	37.3	45.3	54.3	65.3	74.3	78.5	76.4	70.4	59.3	48.7	38.8	57.1
Mass.	Boston	29.1	29.2	37.6	47.2	57.8	67.2	72.2	71.5	64.3	55.0	44.4	32.8	50.7
Mich.	Detroit	26.2	26.7	35.1	46.4	57.8	68.1	73.1	71.3	64.3	52.9	40.1	29.5	49.3
	Sault Ste. Marie	13.8	13.5	23.0	36.8	48.9	58.1	63.9	62.9	55.2	44.4	31.5	19.9	39.3
Minn.	Duluth	10.3	13.3	24.6	38.3	49.3	58.7	65.8	64.8	56.1	45.2	28.6	15.0	39.2
	Minneapolis	14.6	18.2	30.9	46.0	58.5	68.2	74.1	71.5	62.2	50.4	33.0	19.4	45.6
Miss.	Jackson	48.3	51.0	56.8	64.9	72.3	79.9	82.1	81.4	76.7	66.4	55.2	49.0	65.4
Mo.	Kansas City	30.0	34.6	43.8	55.8	65.5	75.4	80.9	79.0	70.6	59.6	44.3	33.7	56.1
	St. Louis	33.3	36.7	45.3	56.5	66.2	75.8	80.6	78.6	71.4	60.6	46.0	36.2	57.3
Mont.	Great Falls	22.7	24.6	32.5	44.3	53.8	60.7	69.6	67.1	56.9	48.1	35.2	26.5	45.1
Nebr.	Omaha	23.0	27.2	38.2	52.2	62.7	72.6	78.5	75.7	67.0	55.5	38.9	27.4	51.6
Nev.	Reno	31.2	36.3	40.6	47.7	55.3	61.5	69.6	67.4	60.5	50.7	40.2	33.2	49.5
N.H.	Concord	20.1	21.2	31.8	43.0	54.8	64.1	69.0	66.5	58.8	48.0	36.7	24.0	44.8
N.J.	Atlantic City	35.8	35.4	41.5	49.4	59.1	68.7	73.6	73.1	68.3	58.0	48.1	38.2	54.1
N. Mex.	Albuquerque	33.7	39.5	46.0	55.5	65.3	74.9	79.0	76.9	69.9	58.2	44.0	36.0	56.6
N.Y.	Albany	25.2	25.6	35.8	47.3	59.4	68.7	73.1	71.3	63.8	52.5	41.4	29.1	49.4
	Buffalo	25.5	24.7	33.0	43.8	55.4	65.5	70.6	68.9	62.4	51.2	39.9	29.0	47.5
	New York	32.9	32.7	40.7	49.8	60.8	69.8	74.6	73.2	67.3	57.0	46.3	35.7	53.4
N.C.	Charlotte	42.3	44.4	51.0	59.7	68.3	76.6	78.6	77.3	72.6	61.5	50.4	43.0	60.5
	Raleigh	42.7	44.4	51.3	59.7	68.5	76.6	79.3	78.0	73.4	62.6	52.1	44.0	61.1
N. Dak.	Bismarck	9.2	12.7	26.7	43.1	54.8	64.3	72.1	69.3	58.5	45.7	28.4	15.5	41.7
Ohio	Cincinnati	33.1	34.8	43.3	53.6	63.6	72.8	76.6	74.8	68.9	57.4	44.6	35.0	54.9
	Cleveland	29.5	30.1	37.7	48.0	59.1	69.3	73.7	72.2	66.3	55.5	43.8	32.9	51.5
	Columbus	31.1	32.6	41.1	51.4	62.2	72.0	75.8	73.8	67.8	56.1	43.2	33.3	53.4
Okla.	Oklahoma City	37.8	42.5	50.3	60.9	68.6	78.0	82.5	82.2	74.6	63.8	49.7	40.9	61.0
Oreg.	Portland	39.5	43.8	48.4	53.6	59.1	63.8	68.5	68.4	63.9	56.1	47.2	42.4	54.6
Pa.	Philadelphia	34.9	35.1	43.5	52.7	63.7	72.6	77.2	75.2	69.3	58.5	47.8	37.4	55.7
	Pittsburgh	33.0	33.6	41.6	51.8	62.6	71.7	75.4	73.1	67.9	55.9	44.6	35.2	53.9
R.I.	Providence	30.3	30.3	38.9	48.1	59.0	68.1	73.5	71.8	64.8	54.5	44.2	33.2	51.4
S.C.	Columbia	47.9	49.4	55.9	63.8	71.8	79.2	80.8	79.7	75.9	65.5	54.9	48.1	64.4
S. Dak.	Sioux Falls	14.2	19.5	32.0	46.4	58.1	68.0	74.8	72.4	62.4	50.0	32.2	19.4	45.8
Tenn.	Memphis	41.9	44.5	52.4	62.2	70.5	78.7	81.3	80.3	74.8	65.0	52.1	44.4	62.4
	Nashville	39.9	42.3	49.8	59.7	68.2	76.9	80.0	78.7	73.2	61.8	49.3	41.6	60.1
Tex.	Dallas	45.7	49.8	57.4	66.3	73.7	81.9	85.5	85.8	78.9	68.8	55.8	48.3	66.5
	El Paso	43.4	49.1	54.5	63.1	71.6	80.2	81.3	79.8	74.9	65.2	52.0	44.8	63.3
	Houston	53.8	57.7	62.6	69.5	75.9	81.8	83.8	84.2	80.0	72.6	61.9	55.8	70.0
Utah	Salt Lake City	26.5	33.4	41.1	50.1	58.9	67.1	76.6	74.4	64.2	52.9	39.3	31.5	51.3
Vt.	Burlington	17.9	18.1	29.3	42.3	55.4	65.5	70.4	68.1	59.9	48.2	36.4	22.8	44.5
Va.	Norfolk	43.1	43.5	50.5	57.9	67.3	76.0	78.7	77.8	73.4	63.0	53.2	44.5	60.7
	Richmond	39.6	40.9	48.2	56.8	66.5	74.7	77.9	76.3	71.2	60.0	49.8	40.8	58.6
Wash.	Seattle	40.7	43.5	47.0	51.8	57.3	61.8	65.6	65.2	61.0	54.4	47.0	43.1	53.2
	Spokane	24.9	29.7	38.1	46.3	54.7	61.4	69.6	67.9	59.2	48.6	35.7	29.1	47.1
W. Va.	Charleston	36.4	38.2	44.9	55.0	63.7	72.0	75.4	73.6	68.6	57.4	45.8	38.1	55.8
Wis.	Milwaukee	23.0	25.1	34.0	44.8	54.8	65.4	72.3	70.9	63.8	52.6	38.5	26.8	47.7
Wyo.	Cheyenne	25.5	27.7	31.8	41.1	50.1	60.3	68.1	66.8	57.4	46.4	35.1	28.7	44.9
P.R.	San Juan	74.9	74.9	75.6	76.6	78.7	79.5	80.0	80.5	80.5	80.1	78.4	76.5	78.0

Source: Department of Commerce, Weather Bureau; records.

No. 224. Normal Monthly Maximum Temperature, for Selected Cities

[In Fahrenheit degrees. Based on standard 30-year period (1921 to 1950)]

STATION		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
Ala.	Mobile	61.4	64.1	68.5	75.8	82.5	88.3	89.8	90.1	86.7	79.2	68.6	62.6	76.5
Alaska	Juneau	33.5	34.1	39.1	46.3	54.8	61.9	61.9	62.2	56.3	48.4	40.2	34.4	47.8
Ariz.	Phoenix	64.3	68.9	74.9	82.6	91.7	100.1	103.5	101.4	97.3	86.8	75.0	66.4	84.4
Ark.	Little Rock	51.1	55.4	63.4	73.4	80.5	89.1	92.7	92.4	86.4	76.5	62.4	53.5	73.1
Calif.	Los Angeles	64.6	65.7	68.5	70.9	74.1	77.2	83.2	83.7	81.6	76.8	73.0	67.1	73.9
	Sacramento	52.1	58.7	64.6	70.6	78.1	86.0	92.0	90.4	86.1	76.1	64.5	53.7	72.7
	San Francisco	55.4	58.7	61.0	62.0	63.1	65.2	64.4	64.8	68.4	68.0	63.8	57.0	62.7
Colo.	Denver	42.5	45.6	50.5	60.1	68.6	79.5	85.9	84.3	76.2	65.3	52.9	45.3	63.1
Conn.	Hartford	35.4	36.2	46.1	57.8	70.0	78.3	83.0	80.8	74.0	63.8	51.0	38.4	59.6
Del.	Wilmington	41.8	42.8	53.0	63.2	74.6	83.1	86.7	84.6	78.8	67.2	55.3	43.9	64.6
D.C.	Washington	44.0	45.6	55.0	64.9	75.5	83.7	87.1	85.0	79.1	68.2	56.5	45.6	65.9
Fla.	Jacksonville	65.9	67.6	72.4	77.7	83.5	88.3	89.6	89.1	86.0	78.8	71.0	66.3	78.0
	Miami	74.4	74.9	76.7	79.5	82.3	85.4	86.8	87.2	86.0	82.6	77.7	75.4	80.7
Ga.	Atlanta	52.5	55.1	62.3	70.8	78.7	85.9	87.3	86.4	82.3	72.2	60.4	53.0	70.6
Hawaii	Honolulu	76.7	76.7	76.8	77.7	79.5	81.3	82.2	82.8	82.9	82.0	79.7	77.7	79.7
Idaho	Boise	34.6	42.3	52.2	62.1	71.4	78.9	90.5	88.0	76.8	65.0	48.7	38.1	62.4
Ill.	Chicago	32.7	35.0	45.0	57.6	69.7	80.0	85.3	83.0	75.9	64.3	47.6	35.3	59.3
	Peoria	33.3	36.6	47.6	61.1	72.0	81.9	87.0	84.8	77.5	65.8	48.4	36.4	61.0
Ind.	Indianapolis	38.7	40.7	50.5	62.3	73.6	83.8	88.3	85.7	79.0	67.7	51.0	39.7	63.4
Iowa	Des Moines	31.4	35.5	46.5	61.0	72.1	81.0	87.6	84.4	76.9	65.7	47.9	35.1	60.4
Kans.	Wichita	41.3	47.8	56.4	67.0	75.3	86.0	92.3	91.7	82.8	70.8	55.1	44.6	67.6
Ky.	Louisville	43.2	45.8	55.2	66.1	75.4	84.1	87.9	86.2	80.7	69.6	54.8	44.9	66.2
La.	New Orleans	63.5	66.6	71.1	77.7	83.8	89.4	90.3	90.5	87.2	80.1	70.1	64.7	77.9
Maine	Portland	30.7	31.6	41.0	51.8	62.6	72.6	78.7	77.4	69.7	59.6	47.1	34.5	54.8
Md.	Baltimore	43.6	44.6	53.7	63.3	74.4	83.1	86.9	84.6	78.6	67.8	56.2	45.4	65.2
Mass.	Boston	36.5	36.5	45.2	54.9	66.3	75.9	80.0	79.4	72.6	63.1	51.6	39.7	58.5
Mich.	Detroit	33.1	33.8	43.1	55.9	68.1	78.3	83.5	81.4	74.0	62.2	47.1	35.7	58.0
	Sault Ste. Marie	21.9	22.7	31.7	45.7	59.7	69.7	75.4	73.5	64.4	52.4	37.9	26.7	48.5
Minn.	Duluth	18.7	22.2	32.7	46.8	59.0	68.8	75.8	74.1	64.9	53.5	35.4	22.7	47.9
	Minneapolis	23.1	27.0	39.1	55.8	69.0	78.6	84.9	82.1	72.5	60.2	40.7	27.2	55.0
Miss.	Jackson	58.6	61.5	68.1	76.0	83.7	91.4	93.6	93.1	88.7	79.7	67.2	59.4	76.8
Mo.	Kansas City	39.0	44.3	54.1	66.0	75.3	85.2	91.2	89.3	81.1	70.2	53.9	42.3	66.0
	St. Louis	41.0	44.8	54.2	65.6	75.0	84.6	89.6	87.5	80.4	69.6	53.9	43.5	65.8
Mont.	Great Falls	30.8	35.0	40.7	55.5	64.8	70.5	83.2	80.9	70.3	59.0	44.1	37.0	56.0
Nebr.	Omaha	32.4	36.8	48.1	62.9	73.3	82.9	89.3	86.3	78.1	66.8	48.5	36.2	61.8
Nev.	Reno	45.7	50.9	56.5	65.1	73.2	80.8	91.8	90.1	82.3	70.2	57.1	47.2	67.6
N.H.	Concord	31.6	32.5	42.9	55.5	68.8	77.9	82.6	80.2	72.4	61.7	47.5	34.3	57.3
N.J.	Atlantic City	42.4	42.1	48.3	56.1	65.4	75.0	79.3	78.8	74.1	64.8	54.7	44.9	60.5
N. Mex.	Albuquerque	45.6	52.3	59.6	69.4	78.9	88.9	91.6	89.2	82.2	71.2	56.7	47.4	69.4
N.Y.	Albany	32.9	33.7	44.2	56.7	69.6	78.7	82.6	81.0	73.4	62.0	48.6	36.1	58.3
	Buffalo	32.4	32.2	40.9	53.1	65.8	76.0	81.1	79.3	72.6	60.4	47.0	35.3	56.3
	New York	39.9	40.1	48.5	57.9	69.0	77.7	82.3	80.4	74.5	64.5	53.0	42.4	60.9
N.C.	Charlotte	52.2	54.9	62.4	71.4	79.8	87.6	88.8	87.4	83.1	73.1	61.4	53.0	71.3
	Raleigh	51.3	53.9	61.9	71.1	79.6	87.1	88.9	87.6	83.2	73.4	62.2	52.8	71.1
N. Dak.	Bismarck	20.1	23.3	36.7	54.6	67.3	76.3	85.5	83.3	72.0	58.5	38.3	25.5	53.5
Ohio	Cincinnati	40.9	43.0	52.7	63.9	74.2	83.2	87.2	85.4	79.7	68.2	53.0	42.4	64.5
	Cleveland	36.0	36.8	44.8	55.8	66.9	76.9	80.9	78.9	73.7	62.7	50.2	38.4	58.5
	Columbus	38.2	40.1	49.8	61.2	72.2	81.8	85.8	83.5	77.6	65.7	50.8	40.1	62.2
Okla.	Oklahoma City	47.2	52.7	61.5	71.6	78.6	88.1	93.1	92.8	85.3	74.5	60.0	50.2	71.3
Oreg.	Portland	44.2	49.5	55.6	62.2	68.6	73.1	79.2	78.8	73.4	63.5	52.7	46.8	62.3
Pa.	Philadelphia	41.5	42.2	51.7	61.6	72.8	81.3	85.3	83.0	77.2	66.6	54.7	43.7	63.5
	Pittsburgh	40.2	41.4	50.5	61.9	73.0	81.5	85.1	82.6	77.0	65.3	52.1	41.7	62.7
R.I.	Providence	37.6	37.9	46.6	56.6	68.2	77.4	82.6	80.8	73.8	63.5	52.0	40.4	59.8
S.C.	Columbia	57.0	59.2	66.1	74.6	82.4	89.3	90.2	89.0	85.3	75.9	64.9	57.2	74.3
S. Dak.	Sioux Falls	24.4	30.3	42.3	58.6	70.8	80.1	87.9	85.0	75.4	62.9	42.9	29.4	57.5
Tenn.	Memphis	49.3	51.7	60.7	70.6	78.9	87.0	89.4	88.4	83.1	74.1	60.1	51.7	70.4
	Nashville	48.9	51.6	60.1	70.5	79.1	87.7	90.6	89.4	84.6	73.8	59.2	50.5	70.5
Tex.	Dallas	55.3	59.5	68.1	76.6	83.5	91.5	95.4	96.1	89.2	79.6	66.3	57.8	76.6
	El Paso	55.8	62.2	68.2	76.9	85.4	93.8	93.5	91.6	87.0	78.1	65.5	56.9	76.2
	Houston	61.9	65.8	71.1	78.0	84.5	89.9	92.3	92.9	88.6	82.1	71.0	64.2	78.5
Utah	Salt Lake City	36.6	42.5	52.0	62.4	72.4	82.0	91.7	89.2	79.2	66.5	50.5	40.2	63.8
Vt.	Burlington	27.6	28.2	38.9	52.9	67.3	77.5	82.4	79.8	71.3	58.6	44.3	31.1	55.0
Va.	Norfolk	50.7	51.6	60.0	67.2	76.3	85.0	86.7	85.2	80.4	70.5	60.7	51.7	68.8
	Richmond	48.4	50.5	58.8	67.9	77.3	84.8	87.3	85.7	80.9	70.7	59.9	49.7	68.5
Wash.	Seattle	45.2	48.8	53.4	59.4	65.6	70.2	75.1	74.2	68.8	60.5	51.8	47.3	60.0
	Spokane	30.2	36.4	45.9	56.0	65.5	72.1	82.4	80.6	70.9	58.3	41.5	33.8	56.1
W. Va.	Charleston	46.3	48.7	56.6	68.2	77.0	84.5	87.3	85.5	81.4	70.6	56.6	47.5	67.5
Wis.	Milwaukee	30.0	32.1	40.9	52.3	63.3	74.1	80.1	78.2	71.0	59.9	45.0	33.2	55.0
Wyo.	Cheyenne	37.1	39.8	43.7	53.5	62.8	74.0	82.6	80.9	71.7	59.8	46.9	40.2	57.8
P.R.	San Juan	79.6	79.7	80.6	81.5	83.5	84.0	84.2	85.0	85.5	85.3	83.2	81.1	82.8

Source: Department of Commerce, Weather Bureau; records.

No. 225. Normal Monthly Minimum Temperature, for Selected Cities

[In Fahrenheit degrees. Based on standard 30-year period (1921 to 1950)]

STATION		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
Ala.	Mobile	44.8	46.8	51.6	58.9	66.0	72.6	74.0	73.9	70.6	60.5	50.2	45.6	59.6
Alaska	Juneau	25.5	25.7	29.6	34.5	40.7	47.1	50.1	49.5	45.3	39.5	32.1	26.8	37.2
Ariz.	Phoenix	38.2	42.5	46.9	53.8	61.4	69.8	77.5	76.3	69.9	57.4	45.1	40.4	56.6
Ark.	Little Rock	32.4	35.7	42.2	51.6	59.0	67.9	71.1	70.2	63.1	51.7	40.5	34.3	51.6
Calif.	Los Angeles	45.4	47.1	49.3	52.1	55.4	58.4	61.7	62.1	60.3	56.4	51.1	47.5	53.9
	Sacramento	38.3	42.4	45.1	47.8	51.8	56.3	58.6	57.6	56.5	51.4	44.0	39.7	49.1
	San Francisco	44.8	47.3	48.7	49.4	51.1	52.9	53.4	53.8	54.8	54.0	50.6	46.8	50.6
Colo.	Denver	20.3	23.3	28.0	37.1	45.9	55.0	61.5	60.4	51.1	40.6	29.6	22.9	39.6
Conn.	Hartford	18.5	18.7	27.6	37.0	47.7	57.1	62.3	60.0	52.2	41.3	32.3	21.7	39.7
Del.	Wilmington	24.7	24.6	32.0	40.4	51.0	60.4	65.0	62.9	57.1	45.2	35.7	26.2	43.8
D.C.	Washington	28.9	29.3	36.4	44.5	54.9	64.1	68.4	66.6	60.7	48.6	39.4	30.8	47.7
Fla.	Jacksonville	48.7	49.7	54.3	60.5	66.8	72.1	73.7	73.9	72.1	63.8	54.3	49.1	61.6
	Miami	62.6	62.5	64.8	68.6	71.9	75.2	76.4	76.9	76.0	72.6	66.8	63.6	69.8
Ga.	Atlanta	36.6	38.0	43.8	52.1	60.2	67.8	70.0	69.7	65.4	54.7	43.8	37.6	53.3
Hawaii	Honolulu	67.2	67.2	67.6	68.8	70.6	72.4	73.5	74.1	73.7	72.9	70.7	68.9	70.6
Idaho	Boise	19.9	25.6	31.3	37.7	44.7	51.3	59.1	56.9	48.0	40.2	30.4	23.8	39.1
Ill.	Chicago	17.1	19.8	29.0	38.6	48.7	58.8	63.9	62.3	55.2	43.9	31.3	20.6	40.8
	Peoria	16.7	19.9	29.0	39.9	50.0	59.9	64.4	62.5	55.0	43.5	31.0	20.7	41.0
Ind.	Indianapolis	23.4	25.5	33.2	43.1	53.3	63.2	67.7	66.0	59.4	48.6	36.1	26.6	45.5
Iowa	Des Moines	13.3	16.9	27.9	40.1	50.9	60.9	65.6	63.7	55.4	43.9	29.4	17.9	40.5
Kans.	Wichita	22.6	26.5	34.1	45.3	54.5	64.6	69.4	68.0	60.5	49.5	35.0	26.3	46.4
Ky.	Louisville	27.9	29.8	37.0	46.9	56.3	65.7	69.3	67.6	61.4	49.9	38.6	30.2	48.4
La.	New Orleans	48.3	50.4	54.8	61.8	68.4	74.4	75.8	76.2	73.4	65.4	54.8	49.5	62.8
Maine	Portland	10.6	11.3	21.9	31.9	42.0	51.0	56.9	55.3	47.4	37.2	27.8	15.7	34.1
Md.	Baltimore	29.6	29.9	36.8	45.3	56.2	65.5	70.0	68.2	62.2	50.7	41.1	32.1	49.0
Mass.	Boston	21.6	21.8	30.0	39.4	49.3	58.4	64.3	63.5	55.9	46.9	37.1	25.8	42.8
Mich.	Detroit	19.3	19.6	27.0	36.8	47.5	57.8	62.6	61.2	54.5	43.6	33.1	23.2	40.5
	Sault Ste. Marie	5.7	4.3	14.2	27.8	38.1	46.5	52.4	52.3	45.9	36.4	25.1	13.0	30.1
Minn.	Duluth	1.9	4.3	16.4	29.7	39.5	48.5	55.8	55.5	47.3	36.8	21.7	7.3	30.4
	Minneapolis	6.1	9.4	22.7	36.2	48.0	57.8	63.3	60.8	51.8	40.6	25.2	11.5	36.1
Miss.	Jackson	37.9	40.4	45.5	53.7	60.8	68.3	70.5	69.7	64.7	53.1	43.1	38.6	53.9
Mo.	Kansas City	21.0	24.8	33.5	45.6	55.6	65.6	70.5	68.7	60.1	48.9	34.7	25.1	46.2
	St. Louis	25.6	28.5	36.4	47.3	57.3	66.9	71.6	69.7	62.4	51.5	38.0	28.8	48.7
Mont.	Great Falls	12.8	15.5	20.9	33.1	42.1	48.6	56.1	53.8	46.1	37.9	26.8	20.3	34.5
Nebr.	Omaha	13.5	17.5	28.3	41.5	52.1	62.3	67.6	65.1	55.9	44.2	29.3	18.6	41.3
Nev.	Reno	16.6	21.6	24.6	30.3	37.3	42.1	47.3	44.7	38.7	31.2	23.3	19.1	31.4
N.H.	Concord	8.6	9.8	20.7	30.4	40.7	50.2	55.3	52.8	45.2	34.3	25.8	13.6	32.3
N.J.	Atlantic City	29.1	28.6	34.7	42.6	52.7	62.4	67.9	67.4	62.4	51.2	41.4	31.4	47.7
N.Mex.	Albuquerque	21.8	26.7	32.3	41.5	51.6	60.9	66.4	64.6	57.5	45.2	31.3	24.5	43.7
N.Y.	Albany	17.4	17.4	27.3	37.8	49.1	58.6	63.6	61.5	54.1	43.0	34.2	22.0	40.5
	Buffalo	18.5	17.1	25.1	34.4	44.9	55.0	60.0	58.5	52.2	42.0	32.7	22.6	38.6
	New York	25.8	25.3	32.8	41.7	52.5	61.8	66.9	66.0	60.1	49.5	39.5	28.9	45.9
N.C.	Charlotte	32.3	33.8	39.5	47.9	56.8	65.6	68.3	67.2	62.1	49.8	39.4	33.0	49.6
	Raleigh	34.0	34.9	40.7	48.3	57.4	66.1	69.6	68.3	63.6	51.7	41.9	35.1	51.0
N.Dak.	Bismarck	1.8	2.1	16.6	31.6	42.2	52.2	58.6	55.2	44.9	32.9	18.5	5.5	29.9
Ohio	Cincinnati	25.2	26.6	33.8	43.3	52.9	62.4	65.9	64.2	58.0	46.5	36.2	27.5	45.2
	Cleveland	23.0	23.3	30.5	40.1	51.2	61.7	66.5	65.5	58.8	48.3	37.3	27.3	44.5
	Columbus	23.9	25.0	32.4	41.6	52.2	62.1	65.8	64.1	57.9	46.5	35.6	26.5	44.5
Okla.	Oklahoma City	28.3	32.3	39.0	50.2	58.5	67.9	71.8	71.6	63.8	53.1	39.4	31.6	50.6
Oreg.	Portland	34.7	38.0	41.1	44.9	49.6	54.4	57.8	57.9	54.4	48.7	41.7	37.9	46.8
Pa.	Philadelphia	28.2	28.0	35.2	43.8	54.5	63.8	69.0	67.3	61.3	50.4	40.8	31.0	47.8
	Pittsburgh	25.8	25.7	32.7	41.6	52.2	61.8	65.6	63.6	58.7	46.5	37.0	28.7	45.0
R.I.	Providence	23.0	22.7	31.1	39.6	49.8	58.7	64.4	62.7	55.7	45.5	36.4	25.9	43.0
S.C.	Columbia	38.7	39.5	45.6	53.0	61.2	69.0	71.3	70.4	66.5	55.0	44.8	38.9	54.5
S.Dak.	Sioux Falls	4.0	8.7	21.6	34.1	45.4	55.8	61.6	59.8	49.4	37.0	21.4	9.3	34.0
Tenn.	Memphis	34.5	37.3	44.1	53.8	62.1	70.4	73.2	72.2	66.4	55.9	44.0	37.1	54.3
	Nashville	30.9	33.0	39.5	48.8	57.2	66.1	69.3	68.0	61.8	49.8	39.3	32.6	49.7
Tex.	Dallas	36.0	40.0	46.7	56.0	63.9	72.3	75.6	75.5	68.6	57.9	45.3	38.7	56.4
	El Paso	30.9	36.0	40.8	49.2	57.8	66.5	69.0	68.0	62.8	52.2	38.4	32.7	50.4
	Houston	45.7	49.5	54.0	61.0	67.3	73.6	75.2	75.4	71.4	63.1	52.8	47.4	61.4
Utah	Salt Lake City	21.1	26.3	32.8	40.4	48.2	55.5	64.7	62.6	52.8	42.8	31.9	25.5	42.1
Vt.	Burlington	8.2	8.0	19.6	31.6	43.4	53.5	58.4	56.3	48.4	37.8	28.4	14.5	34.0
Va.	Norfolk	35.4	35.4	41.0	48.5	58.2	66.9	70.7	70.3	66.4	55.5	45.6	37.2	52.6
	Richmond	30.7	31.2	37.6	45.6	55.6	64.6	68.4	66.9	61.5	49.2	39.7	31.9	48.6
Wash.	Seattle	36.2	38.1	40.5	44.1	48.9	53.4	56.1	56.2	53.2	48.2	42.1	38.9	46.3
	Spokane	19.6	23.0	30.2	36.6	43.8	50.6	56.8	55.1	47.5	38.8	29.8	24.3	38.0
W. Va.	Charleston	26.5	27.7	33.1	41.8	50.3	59.5	63.5	61.7	55.7	44.2	35.0	28.6	44.0
Wis.	Milwaukee	16.0	18.0	27.0	37.2	46.2	56.6	64.4	63.6	56.5	45.3	32.0	20.3	40.3
Wyo.	Cheyenne	13.8	15.6	19.9	28.7	37.3	46.5	53.6	52.6	43.1	32.9	23.2	17.1	32.0
P.R.	San Juan	70.2	70.0	70.6	71.7	73.8	75.0	75.7	76.0	75.4	74.8	73.5	71.8	73.2

Source: Department of Commerce, Weather Bureau; records.

No. 226. Highest Temperature of Record, for Selected Cities

[In Fahrenheit degrees. For period of record through 1959]

STATION		Length of record (yrs.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	18	84	82	90	92	100	102	104	102	98	93	85	80	104
Alaska	Juneau	16	57	48	52	71	82	84	84	83	72	61	56	54	84
Ariz.	Phoenix	22	85	88	92	104	113	117	118	115	118	104	91	88	118
Ark.	Little Rock	18	83	82	86	92	96	104	107	107	106	94	86	80	107
Calif.	Los Angeles	19	86	90	88	96	99	104	103	101	110	104	95	87	110
	Sacramento	26	70	74	82	94	102	112	109	109	109	102	83	72	112
	San Francisco	23	75	75	83	86	91	92	92	87	97	90	84	76	97
Colo.	Denver [1]	25	72	76	80	84	96	104	104	101	95	88	79	74	104
Conn.	Hartford [1]	5	57	64	69	86	92	97	98	101	91	86	72	61	101
Del.	Wilmington	12	75	74	86	85	93	99	102	101	100	91	85	71	102
D.C.	Washington [1]	18	79	82	89	92	94	101	103	100	100	94	85	75	103
Fla.	Jacksonville [1]	18	85	87	90	93	99	103	105	102	100	96	87	84	105
	Miami [1]	17	87	89	90	93	94	98	96	98	95	94	89	88	98
Ga.	Atlanta [1]	11	79	83	88	95	101	102	103	102	98	95	82	74	103
Hawaii	Honolulu	37	83	82	83	83	84	86	87	88	88	87	86	85	88
Idaho	Boise	20	63	67	76	92	95	109	106	105	102	88	73	62	109
Ill.	Chicago	17	67	69	82	84	94	104	103	101	101	91	81	65	104
	Peoria [1]	20	68	70	81	89	92	100	103	101	100	90	81	66	103
Ind.	Indianapolis	22	71	72	81	88	93	102	104	100	100	90	81	69	104
Iowa	Des Moines [1]	20	62	68	82	88	94	100	105	102	101	92	76	69	105
Kans.	Wichita	6	68	80	89	94	99	106	113	107	103	95	80	83	113
Ky.	Louisville [1]	12	77	73	83	88	95	102	105	101	104	92	84	72	105
La.	New Orleans	45	83	85	90	91	97	102	100	100	99	93	89	84	102
Maine	Portland	19	64	64	86	85	92	97	98	100	95	87	73	60	100
Md.	Baltimore	89	79	83	90	94	98	105	107	105	101	97	87	75	107
Mass.	Boston [1]	7	58	68	70	88	93	100	100	100	100	90	74	64	100
Mich.	Detroit	26	67	68	82	87	93	104	105	101	100	89	81	64	105
	Sault Ste. Marie	18	43	45	75	82	85	92	92	98	93	80	66	51	98
Minn.	Duluth [1]	18	52	53	78	88	87	92	97	97	89	86	68	50	97
	Minneapolis	22	58	59	78	92	95	100	104	102	98	89	75	63	104
Miss.	Jackson [1]	4	80	82	84	90	92	95	96	99	94	92	85	84	99
Mo.	Kansas City	26	75	76	89	91	103	108	112	113	109	98	83	74	113
	St. Louis [1]	2	62	67	78	88	92	98	97	98	93	85	78	61	98
Mont.	Great Falls	22	62	67	72	87	90	99	102	105	94	91	72	69	105
Nebr.	Omaha	24	69	69	88	91	99	105	114	110	104	96	80	72	114
Nev.	Reno	18	68	70	77	87	94	100	104	102	101	89	77	69	104
N.H.	Concord [1]	18	68	66	85	88	93	98	99	100	98	89	80	63	100
N.J.	Atlantic City	85	68	77	84	90	95	99	102	104	94	91	80	68	104
N. Mex.	Albuquerque	20	67	72	81	88	98	101	104	100	98	87	74	72	104
N.Y.	Albany [1]	13	64	62	73	89	90	99	100	99	100	88	82	61	100
	Buffalo [1]	16	72	64	81	87	90	95	94	99	98	87	76	66	99
	New York	89	71	73	84	91	95	97	102	102	100	90	81	69	102
N.C.	Charlotte [1]	20	78	80	90	91	100	103	103	102	104	98	84	77	104
	Raleigh [1]	15	79	80	92	91	97	104	105	101	104	98	88	78	105
N. Dak.	Bismarck	20	54	68	81	92	98	100	107	109	105	95	73	60	109
Ohio	Cincinnati	44	77	76	88	90	95	102	109	103	101	92	83	71	109
	Cleveland	18	73	69	83	88	92	101	103	102	101	90	82	69	103
	Columbus [1]	20	74	73	85	89	94	102	100	100	100	90	80	70	102
Okla.	Oklahoma City [1]	5	68	81	89	95	95	100	107	107	102	93	81	86	107
Oreg.	Portland	57	65	68	83	93	99	102	107	102	102	90	71	65	107
Pa.	Philadelphia	18	74	74	87	92	96	100	102	101	100	96	79	72	102
	Pittsburgh	7	67	69	74	87	87	94	99	97	97	87	76	66	99
R.I.	Providence [1]	6	68	65	70	87	90	95	97	95	91	85	73	61	97
S.C.	Columbia [1]	12	82	82	89	93	101	107	107	106	101	101	88	80	107
S. Dak.	Sioux Falls [1]	14	59	70	80	91	94	101	108	105	99	92	75	61	108
Tenn.	Memphis [1]	18	78	79	85	91	97	104	106	105	103	95	85	79	106
	Nashville [1]	20	78	77	83	90	97	106	107	104	105	94	84	76	107
Tex.	Dallas	19	88	88	96	96	99	105	111	109	105	99	89	89	111
	El Paso	20	75	81	88	95	104	107	107	103	103	93	84	75	107
	Houston	21	82	90	96	92	95	99	105	103	99	97	89	83	105
Utah	Salt Lake City	31	60	68	78	85	93	103	106	103	98	88	74	66	106
Vt.	Burlington [1]	16	63	60	84	84	91	96	99	101	94	85	75	62	101
Va.	Norfolk [1]	11	77	78	85	93	97	100	103	97	98	95	85	77	103
	Richmond [1]	30	80	83	93	95	100	104	104	102	103	99	86	78	104
Wash.	Seattle	26	66	70	75	87	92	100	100	96	92	78	70	65	100
	Spokane	12	52	61	68	84	92	96	102	98	96	80	61	54	102
W. Va.	Charleston [1]	12	79	77	87	90	93	98	102	100	102	92	85	79	102
Wis.	Milwaukee	19	62	60	81	82	90	99	101	100	98	86	77	63	101
Wyo.	Cheyenne	24	63	70	73	78	89	100	100	96	92	82	73	69	100
P.R.	San Juan	61	90	91	96	93	94	93	92	94	94	94	93	90	96

[1] Airport data. Values adjusted to represent observations taken at the present standard location.

Source: Department of Commerce, Weather Bureau; records.

No. 227. Lowest Temperature of Record, for Selected Cities

[In Fahrenheit degrees. For period of record through 1959]

STATION		Length of record (yrs.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	18	14	11	21	36	45	56	60	59	47	32	22	18	11
Alaska	Juneau	16	−19	−12	−11	7	25	31	36	27	26	16	−3	−21	−21
Ariz.	Phoenix	22	17	22	29	32	42	50	61	60	49	36	25	22	17
Ark.	Little Rock	18	7	−5	11	32	41	52	56	57	37	31	17	9	−5
Calif.	Los Angeles	19	28	34	38	42	47	50	54	53	51	46	40	32	28
	Sacramento	26	22	26	31	34	37	44	51	50	44	34	30	23	22
	San Francisco	23	30	36	38	42	44	47	47	48	48	45	42	37	30
Colo.	Denver [1]	25	−24	−30	−11	6	22	30	43	41	24	8	−8	−11	−30
Conn.	Hartford [1]	5	−17	−6	1	20	28	38	48	43	30	24	12	−6	−17
Del.	Wilmington	12	−4	2	10	23	34	44	50	48	37	26	14	6	−4
D.C.	Washington [1]	18	−5	5	11	24	34	47	55	53	40	30	16	1	1
Fla.	Jacksonville [1]	18	20	19	25	35	49	58	65	64	55	38	23	17	17
	Miami [1]	17	34	32	40	41	53	65	69	68	69	51	39	35	32
Ga.	Atlanta [1]	11	9	5	16	30	41	46	59	59	44	29	3	12	3
Hawaii	Honolulu	37	57	58	58	59	64	64	68	68	69	66	62	59	57
Idaho	Boise	20	−17	−10	10	21	27	34	41	41	27	20	−3	−1	−17
Ill.	Chicago	17	−15	−15	−7	19	30	35	49	46	36	20	−2	−12	−15
	Peoria [1]	20	−14	−16	−10	20	31	39	48	43	26	20	−1	−14	−16
Ind.	Indianapolis	22	−13	−19	−6	16	29	39	44	42	28	17	−2	−15	−19
Iowa	Des Moines [1]	20	−21	−20	−12	17	30	38	49	40	26	16	−1	−15	−21
Kans.	Wichita	6	−10	−3	6	24	33	44	54	48	40	23	8	5	−10
Ky.	Louisville [1]	12	−6	−19	12	26	34	45	53	49	33	23	−1	1	−19
La.	New Orleans	45	17	20	28	41	50	62	66	68	54	40	31	19	17
Maine	Portland	19	−21	−39	−21	8	23	33	41	38	23	18	9	−15	−39
Md.	Baltimore	89	−6	−7	5	15	34	46	54	51	39	30	12	−3	−7
Mass.	Boston [1]	7	−12	−4	10	17	34	47	55	52	40	31	17	−2	−12
Mich.	Detroit	26	−9	−16	−1	14	30	38	48	43	32	25	7	−3	−16
	Sault Ste. Marie	18	−24	−25	−24	1	21	31	36	32	25	20	−5	−20	−25
Minn.	Duluth [1]	18	−35	−29	−26	−5	20	30	40	37	22	9	−17	−33	−35
	Minneapolis	22	−31	−28	−27	9	26	34	48	40	26	18	−9	−22	−31
Miss.	Jackson [1]	4	15	17	27	34	43	48	63	64	48	28	20	15	15
Mo.	Kansas City	26	−13	−13	−3	16	32	44	54	49	34	24	5	−4	−13
	St. Louis [1]	2	−4	−5	24	33	37	51	56	52	43	35	6	4	−5
Mont.	Great Falls	22	−33	−35	−29	−6	15	31	42	35	25	7	−23	−23	−35
Nebr.	Omaha	24	−21	−19	−16	10	29	39	51	43	30	20	−3	−12	−21
Nev.	Reno	18	−16	−9	−2	13	20	25	35	32	21	13	7	−5	−16
N.H.	Concord [1]	18	−30	−37	−16	9	21	33	38	33	20	16	5	−22	−37
N.J.	Atlantic City	85	−4	−9	8	15	33	45	52	48	37	29	10	−7	−9
N. Mex.	Albuquerque	20	1	−5	8	19	34	45	55	53	39	26	10	3	−5
N.Y.	Albany [1]	13	−26	−21	−21	14	27	36	44	42	24	20	6	−19	−26
	Buffalo [1]	16	−12	−5	−1	12	26	35	43	43	32	25	7	−5	−12
	New York	89	−6	−14	3	12	34	44	54	51	39	27	7	−13	−14
N.C.	Charlotte [1]	20	−3	5	12	26	36	50	56	53	38	26	11	10	−3
	Raleigh [1]	15	10	7	19	27	32	44	54	49	37	25	14	7	7
N. Dak.	Bismarck	20	−44	−34	−31	−2	19	33	39	37	16	6	−19	−36	−44
Ohio	Cincinnati	44	−17	−9	6	18	32	40	50	43	32	20	1	−13	−17
	Cleveland	18	−9	−8	−5	19	29	38	46	44	32	25	7	−9	−9
	Columbus [1]	20	−15	−13	−1	15	28	39	44	43	31	29	−4	−14	−15
Okla.	Oklahoma City [1]	5	9	10	13	20	41	47	57	51	46	22	11	6	6
Oreg.	Portland	57	6	7	22	30	36	41	43	44	35	29	15	3	3
Pa.	Philadelphia	18	2	3	7	24	33	44	52	50	36	28	15	1	1
	Pittsburgh	7	−6	−8	12	20	32	43	49	46	31	27	−1	−3	−8
R.I.	Providence [1]	6	−9	−3	10	14	29	43	49	45	35	26	16	−3	−9
S.C.	Columbia [1]	12	12	11	22	29	41	51	54	54	44	23	16	4	4
S. Dak.	Sioux Falls [1]	14	−26	−27	−23	11	20	33	44	34	24	13	−17	−25	−27
Tenn.	Memphis [1]	18	1	−11	12	29	38	50	52	48	36	25	9	11	−11
	Nashville [1]	20	−15	−13	7	25	36	44	51	47	36	26	−1	8	−15
Tex.	Dallas	19	2	7	11	31	39	53	61	61	36	30	17	12	2
	El Paso	20	−6	8	18	28	38	50	60	59	41	32	16	5	−6
	Houston	21	10	14	21	39	46	57	68	63	45	40	29	20	10
Utah	Salt Lake City	31	−22	−30	5	14	27	35	41	39	30	18	−14	−21	−30
Vt.	Burlington [1]	16	−30	−26	−20	9	25	35	44	39	26	21	−2	−22	−30
Va.	Norfolk [1]	11	14	11	20	30	36	50	60	56	46	32	20	15	11
	Richmond [1]	30	−12	−10	11	26	31	41	51	46	38	23	10	−1	−12
Wash.	Seattle	26	11	12	22	31	35	45	48	49	42	30	13	21	11
	Spokane	12	−24	−12	−3	21	24	35	40	42	30	20	−11	−9	−24
W. Va.	Charleston [1]	12	−5	−2	15	20	33	41	51	46	34	26	6	2	−5
Wis.	Milwaukee	19	−24	−19	−7	13	28	33	45	44	28	21	−5	−12	−24
Wyo.	Cheyenne	24	−27	−34	−21	−6	16	25	38	37	18	2	−12	−16	−34
P.R.	San Juan	61	63	62	63	65	66	66	70	68	69	68	65	62	62

[1] Airport data. Values adjusted to represent observations taken at the present standard location.

Source: Department of Commerce, Weather Bureau; records.

No. 228. Normal Monthly and Annual Precipitation, for Selected Cities

[In inches. Based on standard 30-year period (1921 to 1950). T denotes trace. See also *Historical Statistics, Colonial Times to 1957*, series J 136–265, for related data]

STATION		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	5.02	4.81	7.62	5.10	4.64	6.09	8.97	6.31	5.78	3.75	4.07	5.41	67.57
Alaska	Juneau	4.48	3.35	3.47	2.98	3.19	3.18	4.65	5.16	6.92	8.47	5.92	4.17	55.94
Ariz.	Phoenix	0.60	0.79	0.66	0.35	0.17	0.06	0.70	0.99	1.00	0.40	0.47	0.97	7.16
Ark.	Little Rock	5.12	4.06	4.85	5.16	4.85	3.43	3.10	3.15	2.85	2.81	3.92	4.08	47.38
Calif.	Los Angeles	2.38	3.37	2.36	1.17	0.26	0.07	T	0.02	0.27	0.50	1.03	3.11	14.54
	Sacramento	2.86	3.31	2.23	1.43	0.57	0.14	T	T	0.08	0.92	1.59	3.19	16.32
	San Francisco	4.03	3.91	2.78	1.49	0.59	0.15	0.01	0.01	0.13	1.07	2.27	4.07	20.51
Colo.	Denver	0.50	0.53	1.19	2.05	2.20	1.64	1.36	1.43	1.08	1.01	0.70	0.51	14.20
Conn.	Hartford	3.15	2.57	3.81	3.56	3.66	3.62	3.56	3.54	3.44	2.80	3.48	3.29	40.48
Del.	Wilmington	3.56	2.98	3.61	3.64	3.81	4.02	4.49	5.28	3.80	2.99	3.33	2.99	44.50
D.C.	Washington	3.24	2.44	3.03	3.06	3.98	3.41	4.26	4.75	4.12	2.85	2.73	2.61	40.48
Fla.	Jacksonville	2.68	2.66	3.42	3.34	3.43	6.82	7.64	6.43	6.96	4.71	1.62	2.37	52.08
	Miami	2.06	1.78	2.25	3.99	5.55	6.82	6.73	6.61	8.33	8.23	2.41	1.65	56.41
Ga.	Atlanta	4.67	4.82	5.67	4.42	3.82	4.02	4.41	3.81	2.96	2.60	3.41	4.55	49.16
Hawaii	Honolulu	4.31	2.49	2.30	2.05	1.01	0.63	0.86	1.09	1.34	2.28	2.08	3.48	23.92
Idaho	Boise	1.33	1.35	1.34	1.10	1.09	0.84	0.18	0.21	0.46	0.94	1.35	1.29	11.48
Ill.	Chicago	1.84	1.41	2.85	2.82	3.66	4.15	2.73	3.19	3.23	2.56	2.33	1.95	32.72
	Peoria	1.97	1.91	2.79	3.44	3.94	3.88	3.70	2.99	3.73	2.44	2.35	2.04	35.18
Ind.	Indianapolis	3.15	2.08	3.89	3.85	3.85	4.21	3.03	3.52	3.67	2.52	3.13	2.79	39.69
Iowa	Des Moines	1.23	1.08	2.03	2.45	3.60	4.99	2.94	3.76	3.64	2.20	1.68	1.14	30.74
Kans.	Wichita	1.05	0.98	1.74	3.52	3.79	4.99	3.43	2.96	3.23	2.18	1.73	1.10	30.70
Ky.	Louisville	4.10	2.99	4.67	4.01	3.93	4.06	3.08	3.06	2.70	2.45	3.12	3.30	41.47
La.	New Orleans	4.78	4.18	6.56	5.45	5.43	5.57	7.09	6.41	5.82	3.66	4.01	4.58	63.54
Maine	Portland	4.43	3.83	4.03	3.75	3.36	3.32	2.83	2.59	3.08	2.98	3.79	3.79	41.78
Md.	Baltimore	3.66	2.99	3.63	3.72	4.01	3.52	3.94	4.38	3.46	3.37	2.96	2.95	42.59
Mass.	Boston	3.50	2.93	3.43	3.46	2.91	3.48	3.18	3.23	2.99	2.79	3.49	3.37	38.76
Mich.	Detroit	2.08	2.02	2.53	2.91	3.61	2.90	2.91	2.62	2.78	2.29	2.18	2.20	31.03
	Sault Ste. Marie	2.16	1.52	1.85	1.95	2.55	3.02	2.49	2.62	3.49	2.98	3.26	2.30	30.19
Minn.	Duluth	1.23	1.22	1.78	2.50	3.17	4.33	3.64	3.43	3.22	2.22	1.78	1.20	29.72
	Minneapolis	0.80	0.89	1.48	1.91	3.12	4.26	2.67	2.79	2.85	1.65	1.44	0.85	24.71
Miss.	Jackson	5.09	5.09	6.23	4.82	4.09	3.72	4.61	3.28	2.10	2.18	4.05	5.60	50.86
Mo.	Kansas City	1.43	1.16	2.51	3.61	4.41	5.02	2.83	3.89	3.85	2.93	2.17	1.50	35.31
	St. Louis	1.92	1.66	3.42	3.93	4.02	4.37	2.58	3.55	3.54	3.08	2.57	2.09	36.73
Mont.	Great Falls	0.55	0.57	0.99	0.95	1.93	2.96	1.35	1.20	1.44	0.72	0.67	0.70	14.03
Nebr.	Omaha	0.85	0.87	1.32	2.15	2.75	4.51	3.34	3.12	3.16	1.73	1.29	0.81	25.90
Nev.	Reno	1.04	1.05	0.70	0.46	0.48	0.42	0.23	0.23	0.22	0.55	0.64	0.94	6.96
N.H.	Concord	2.91	2.30	3.04	3.08	3.04	3.62	3.57	3.10	3.39	2.80	3.57	2.81	37.23
N.J.	Atlantic City	3.78	3.24	3.53	3.40	2.98	2.99	3.78	4.72	3.51	3.21	3.32	3.31	41.77
N. Mex.	Albuquerque	0.28	0.33	0.44	0.53	0.87	0.72	1.43	1.38	1.05	0.64	0.42	0.59	8.68
N.Y.	Albany	2.27	2.03	2.33	2.61	2.80	3.37	3.30	2.89	3.15	2.21	2.69	2.17	31.82
	Buffalo	2.78	2.59	2.72	2.55	2.47	2.70	2.43	2.54	3.01	2.49	3.09	2.92	32.29
	New York	3.46	3.13	3.56	3.22	3.51	3.70	4.24	4.34	3.67	3.04	3.09	3.07	42.03
N.C.	Charlotte	3.68	3.55	4.09	3.17	2.98	3.51	4.67	4.36	3.65	2.99	2.65	3.79	43.09
	Raleigh	3.34	3.27	3.60	3.53	3.40	4.09	5.45	4.96	4.49	2.82	2.85	3.29	45.09
N. Dak.	Bismarck	0.36	0.43	0.76	1.39	1.94	3.33	2.33	1.50	1.43	1.00	0.53	0.40	15.40
Ohio	Cincinnati	3.44	2.55	4.07	3.64	3.54	4.05	3.70	3.38	2.88	2.19	3.06	2.84	39.34
	Cleveland	2.38	2.12	2.89	2.73	2.73	3.05	3.04	2.64	3.13	2.42	2.66	2.29	32.08
	Columbus	2.94	2.35	3.43	3.44	3.97	4.33	3.85	3.21	2.91	2.18	2.86	2.49	37.96
Okla.	Oklahoma City	1.50	1.24	2.09	3.17	4.25	3.93	2.15	2.50	3.43	2.66	1.82	1.48	30.22
Oreg.	Portland	5.43	4.87	4.15	2.43	1.87	1.62	0.42	0.61	1.83	3.53	6.05	7.10	39.91
Pa.	Philadelphia	3.37	3.02	3.32	3.38	3.58	3.87	4.20	4.58	3.46	2.60	3.08	2.67	41.13
	Pittsburgh	2.77	2.37	3.20	3.19	3.77	4.07	3.91	3.13	2.97	2.44	2.59	2.51	36.92
R.I.	Providence	3.75	2.84	3.58	3.37	3.02	3.17	3.06	3.63	3.19	2.83	3.74	3.45	39.63
S.C.	Columbia	3.14	3.63	3.79	3.54	3.23	4.05	6.56	5.53	4.42	2.42	2.25	3.59	46.15
S. Dak.	Sioux Falls	0.72	0.74	1.35	2.35	3.38	4.25	3.00	3.28	2.93	1.46	1.11	0.67	25.24
Tenn.	Memphis	5.55	4.59	5.59	4.80	3.92	3.33	3.23	2.94	2.55	3.27	4.56	5.09	49.42
	Nashville	4.93	4.16	5.28	3.69	3.78	3.19	3.96	3.31	2.74	2.52	3.41	4.06	45.03
Tex.	Dallas	2.47	2.62	2.81	3.87	4.97	3.45	1.97	1.83	2.71	2.67	2.43	2.62	34.42
	El Paso	0.42	0.36	0.28	0.27	0.41	0.62	1.32	1.32	1.13	0.83	0.38	0.49	7.83
	Houston	3.98	2.81	3.10	3.40	4.84	4.08	4.45	3.09	3.65	3.39	3.95	4.63	45.37
Utah	Salt Lake City	1.20	1.23	1.66	1.76	1.56	0.91	0.61	0.97	0.74	1.34	1.42	1.34	14.74
Vt.	Burlington	1.89	1.53	2.19	2.63	2.89	3.57	3.75	3.01	3.14	2.89	2.85	1.88	32.22
Va.	Norfolk	3.17	3.06	3.27	3.16	3.45	4.16	6.05	5.08	3.86	2.45	2.67	2.88	43.26
	Richmond	3.64	2.76	3.42	3.23	3.64	3.87	5.64	5.05	3.65	2.61	2.49	2.89	42.89
Wash.	Seattle	4.49	3.74	3.06	1.94	1.61	1.25	0.52	0.87	1.56	3.08	4.46	5.34	31.92
	Spokane	1.72	1.46	1.34	0.99	1.04	1.17	0.36	0.49	0.93	1.33	1.88	2.21	14.92
W. Va.	Charleston	3.99	3.50	4.16	3.74	3.78	3.93	5.45	4.55	2.94	2.81	3.17	2.98	45.00
Wis.	Milwaukee	1.58	1.27	2.19	2.30	2.98	3.22	2.43	2.62	3.33	1.97	2.11	1.48	27.57
Wyo.	Cheyenne	0.56	0.65	1.22	2.14	2.46	2.10	1.96	1.61	1.20	1.13	0.70	0.52	16.25
P.R.	San Juan	4.69	2.67	2.42	3.80	6.51	5.16	6.02	6.26	6.00	5.27	6.37	4.83	60.00

Source: Department of Commerce, Weather Bureau; records.

No. 229. Average Number of Days With Precipitation of 0.01 Inch or More, for Selected Cities

[For period of record through 1959]

STATION		Length of record (yrs.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	18	10	11	11	8	8	12	18	13	10	6	8	11	126
Alaska	Juneau	16	18	17	18	17	18	15	17	18	20	23	21	21	223
Ariz.	Phoenix	20	4	4	3	2	1	1	5	5	3	3	2	4	37
Ark.	Little Rock	18	10	9	10	11	10	8	8	7	7	5	8	9	102
Calif.	Los Angeles	19	6	5	6	4	2	1	(1)	1	1	2	3	6	37
	Sacramento	26	11	10	8	6	3	1	(1)	(1)	1	4	6	10	60
	San Francisco	23	11	11	10	6	4	2	1	1	1	4	6	10	67
Colo.	Denver	25	6	6	8	9	11	9	9	8	6	6	5	4	87
Conn.	Hartford [2]	5	11	11	12	13	12	11	11	12	10	10	12	11	136
Del.	Wilmington	12	12	10	13	12	12	10	9	9	8	9	10	10	124
D.C.	Washington [2]	18	11	8	12	10	12	9	10	9	8	7	8	10	114
Fla.	Jacksonville [2]	18	7	8	9	7	8	11	15	14	15	9	6	8	117
	Miami [2]	17	6	5	6	7	10	13	17	16	18	15	8	7	128
Ga.	Atlanta [2]	25	11	10	12	10	9	10	12	10	7	7	8	11	117
Hawaii	Honolulu	37	12	12	13	12	11	11	13	13	12	13	13	14	149
Idaho	Boise	20	12	11	10	8	9	7	2	2	3	7	9	11	91
Ill.	Chicago	17	10	9	12	13	12	10	9	8	8	7	10	10	118
	Peoria	20	9	8	11	12	12	10	8	7	8	7	9	9	110
Ind.	Indianapolis	20	12	10	12	13	13	11	9	8	7	8	10	10	123
Iowa	Des Moines	20	7	7	10	10	11	11	9	9	8	7	6	7	102
Kans.	Wichita [2]	6	7	5	7	8	11	9	8	6	7	6	4	5	83
Ky.	Louisville [2]	12	14	11	13	13	11	10	11	8	7	7	9	10	124
La.	New Orleans	44	10	9	9	7	9	12	15	14	10	7	7	10	119
Maine	Portland	19	12	11	11	12	13	12	9	9	8	9	11	10	127
Md.	Baltimore	83	11	10	12	11	13	11	11	11	8	8	9	10	125
Mass.	Boston [2]	7	13	12	12	13	13	10	10	11	9	10	11	10	134
Mich.	Detroit	26	13	12	13	12	12	11	9	8	9	9	12	13	133
	Sault Ste. Marie	18	18	15	13	11	11	12	10	10	13	11	18	18	160
Minn.	Duluth [2]	18	11	10	11	10	13	13	11	11	11	9	12	12	134
	Minneapolis	22	8	7	11	9	11	13	11	10	9	7	8	9	113
Miss.	Jackson [2]	4	10	11	11	10	11	11	12	9	9	9	9	9	121
Mo.	Kansas City	26	7	7	9	11	12	11	8	9	8	6	6	6	100
	St. Louis [2]	2	5	5	11	9	12	7	11	9	8	8	8	7	100
Mont.	Great Falls	22	8	8	9	8	11	13	8	7	7	6	7	6	98
Nebr.	Omaha	24	6	7	8	9	11	11	9	10	7	6	5	5	94
Nev.	Reno	17	6	6	6	4	5	3	2	2	2	3	4	6	49
N.H.	Concord [2]	18	12	10	11	12	13	11	10	9	9	9	11	10	127
N.J.	Atlantic City	85	12	10	12	11	11	10	10	10	8	9	9	10	122
N. Mex.	Albuquerque	20	4	4	4	4	4	4	9	10	5	5	3	4	60
N.Y.	Albany [2]	13	13	11	12	13	13	10	11	10	9	9	11	12	134
	Buffalo [2]	6	21	16	16	14	11	9	10	10	11	11	16	20	165
	New York	89	12	10	12	11	11	10	11	10	9	9	9	10	124
N.C.	Charlotte [2]	20	9	10	12	10	9	9	12	10	7	7	8	10	113
	Raleigh [2]	15	10	11	11	10	10	10	12	10	9	8	9	9	119
N. Dak.	Bismarck	20	8	7	8	7	9	12	9	9	7	6	7	7	96
Ohio	Cincinnati	44	13	11	13	13	12	13	10	9	9	9	10	11	133
	Cleveland	18	16	15	16	15	14	11	10	9	10	10	15	16	157
	Columbus [2]	20	14	12	14	14	13	11	11	8	8	8	11	12	136
Okla.	Oklahoma City	20	6	7	7	9	11	9	7	6	6	6	4	5	83
Oreg.	Portland	57	20	16	17	14	12	9	3	4	8	12	17	19	151
Pa.	Philadelphia	19	12	9	12	11	12	11	9	9	8	8	9	10	120
	Pittsburgh	7	17	14	16	16	11	12	11	10	7	11	13	15	153
R.I.	Providence [2]	6	12	10	13	13	12	11	11	10	9	9	13	12	135
S.C.	Columbia [2]	12	9	10	11	9	8	9	12	11	9	7	8	9	112
S. Dak.	Sioux Falls	14	5	6	9	8	10	11	10	9	7	6	5	6	92
Tenn.	Memphis [2]	9	10	9	11	11	8	8	9	7	6	5	8	9	101
	Nashville [2]	18	12	11	12	11	11	9	10	9	8	7	9	11	120
Tex.	Dallas	19	7	8	8	9	9	6	5	6	5	6	6	6	81
	El Paso	20	3	3	2	2	2	4	8	7	4	4	2	3	44
	Houston	21	10	10	9	8	8	8	10	8	9	6	8	9	103
Utah	Salt Lake City	31	10	9	9	9	8	5	4	6	5	6	7	9	87
Vt.	Burlington [2]	16	15	13	13	12	13	12	12	11	12	11	14	14	152
Va.	Norfolk [2]	11	9	10	12	11	10	8	11	11	8	8	9	8	115
	Richmond	22	10	9	11	10	11	10	12	10	8	8	9	9	117
Wash.	Seattle	26	18	16	16	13	11	10	5	6	8	14	17	19	153
	Spokane	12	17	13	12	8	9	8	4	4	6	9	12	16	118
W. Va.	Charleston	12	17	14	16	15	14	11	13	10	9	9	12	13	153
Wis.	Milwaukee	19	10	9	11	11	13	11	9	9	8	7	10	10	118
Wyo.	Cheyenne	24	6	6	10	10	13	12	11	10	7	6	6	5	102
P.R.	San Juan	61	20	14	14	14	16	17	19	20	18	18	19	20	209

[1] Less than ½ day.
[2] Airport data. Values adjusted to represent observations taken at the present standard location.

Source: Department of Commerce, Weather Bureau; records.

No. 230. Average Total Snow and Sleet, for Selected Cities

[In inches. For period of record through 1959. T denotes trace]

STATION		Length of record (yrs.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	18	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4
Alaska	Juneau	16	17.4	20.0	15.6	4.3	T	0.0	0.0	0.0	T	1.4	10.7	22.6	92.0
Ariz.	Phoenix	22	T	T	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T
Ark.	Little Rock	18	1.8	0.7	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	3.2
Calif.	Los Angeles	19	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T
	Sacramento	11	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T
	San Francisco	23	T	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T
Colo.	Denver	25	8.8	7.4	12.5	10.3	1.7	T	0.0	0.0	1.6	3.0	7.8	5.6	58.7
Conn.	Hartford [1]	5	9.3	9.5	18.9	3.9	0.0	0.0	0.0	0.0	0.0	T	1.2	6.8	49.6
Del.	Wilmington	12	5.6	4.5	4.3	0.1	0.0	0.0	0.0	0.0	0.0	T	1.6	2.8	18.9
D.C.	Washington [1]	16	4.5	3.6	2.0	T	0.0	0.0	0.0	0.0	0.0	T	0.8	2.9	13.8
Fla.	Jacksonville [1]	18	T	0.1	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.1
	Miami [1]	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ga.	Atlanta [1]	25	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.2	1.6
Hawaii	Honolulu	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Idaho	Boise	20	7.4	4.8	2.2	0.3	T	T	0.0	0.0	0.0	T	1.5	4.9	21.1
Ill.	Chicago	17	7.7	6.5	6.0	0.5	T	0.0	0.0	0.0	0.0	0.3	3.6	10.2	34.8
	Peoria	16	5.1	4.3	4.5	0.5	T	0.0	0.0	0.0	0.0	T	2.4	5.3	22.1
Ind.	Indianapolis	28	4.1	3.5	3.5	0.5	T	0.0	0.0	0.0	0.0	T	2.1	4.1	17.8
Iowa	Des Moines	20	8.8	5.9	7.3	1.3	T	0.0	0:0	0.0	T	T	2.0	5.7	31.0
Kans.	Wichita	6	4.0	2.4	3.7	0.4	0.0	0.0	0.0	0.0	0.0	T	0.9	1.8	13.2
Ky.	Louisville [1]	12	4.5	2.5	2.3	T	0.0	0.0	0.0	0.0	0.0	T	1.3	1.7	12.3
La.	New Orleans	45	T	0.1	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.1
Maine	Portland	19	19.6	18.4	13.3	2.2	0.4	0.0	0.0	0.0	T	T	3.2	11.6	68.7
Md.	Baltimore	68	6.1	6.6	4.8	0.6	T	0.0	0.0	0.0	0.0	0.1	0.6	3.9	22.7
Mass.	Boston [1]	7	10.4	11.4	9.8	1.4	T	0.0	0.0	0.0	0.0	T	0.5	5.0	38.5
Mich.	Detroit	26	8.3	7.4	5.2	1.3	T	0.0	0.0	0.0	0.0	0.1	3.0	6.6	31.9
	Sault Ste. Marie	18	20.8	15.3	15.8	4.8	0.5	T	0.0	0.0	0.2	2.3	14.8	25.5	100.0
Minn.	Duluth [1]	16	16.1	13.1	13.8	6.9	1.0	T	0.0	0.0	T	1.3	10.1	14.9	77.2
	Minneapolis	22	6.2	7.6	10.1	2.1	0.3	0.0	0.0	0.0	0.1	0.5	6.7	7.2	40.8
Miss.	Jackson	4	T	0.6	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.6
Mo.	Kansas City	26	5.3	3.3	3.5	0.6	T	0.0	0.0	0.0	0.0	T	1.2	4.2	18.1
	St. Louis [1]	2	8.2	0.3	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.6	17.8
Mont.	Great Falls	22	8.5	10.5	9.9	3.8	1.6	0.5	T	0.0	1.5	2.9	8.2	7.9	55.3
Nebr.	Omaha	24	8.3	7.1	6.7	1.0	0.1	0.0	0.0	0.0	0.0	0.3	2.3	5.1	30.9
Nev.	Reno	17	6.6	5.4	5.3	1.0	0.1	T	0.0	0.0	T	0.3	1.6	3.8	24.1
N.H.	Concord [1]	18	18.8	13.3	11.4	2.0	0.3	0.0	0.0	0.0	0.0	T	3.4	11.7	60.9
N.J.	Atlantic City	75	4.2	4.8	2.3	0.2	0.0	0.0	0.0	0.0	0.0	T	0.5	2.6	14.6
N. Mex.	Albuquerque	20	2.0	1.7	1.7	0.5	T	0.0	0.0	0.0	T	T	1.7	3.1	10.7
N.Y.	Albany [1]	13	15.4	14.8	11.8	2.9	T	0.0	0.0	0.0	0.0	0.2	3.1	11.6	59.8
	Buffalo [1]	6	28.1	18.4	18.5	3.6	T	0.0	0.0	0.0	T	0.2	14.6	20.8	104.2
	New York	75	7.4	9.0	5.7	1.0	T	0.0	0.0	0.0	0.0	T	0.9	6.0	30.0
N.C.	Charlotte [1]	20	1.5	0.8	0.4	T	0.0	0.0	0.0	0.0	0.0	0.0	T	4.5	7.2
	Raleigh [1]	15	2.5	1.5	0.3	T	0.0	0.0	0.0	0.0	0.0	0.0	T	1.3	5.6
N. Dak.	Bismarck	20	7.1	6.1	8.3	3.0	0.8	T	0.0	0.0	0.3	1.5	5.7	4.7	37.5
Ohio	Cincinnati	44	5.1	3.7	3.0	0.5	T	0.0	0.0	0.0	0.0	0.1	1.6	4.2	18.2
	Cleveland	18	10.4	9.5	10.8	2.7	T	0.0	0.0	0.0	T	0.5	6.6	10.7	51.2
	Columbus [1]	12	10.6	3.9	4.0	0.7	T	0.0	0.0	0.0	0.0	T	3.5	5.7	28.4
Okla.	Oklahoma City	20	3.3	2.2	1.7	T	0.0	0.0	0.0	0.0	0.0	T	0.3	1.3	8.8
Oreg.	Portland	57	5.2	1.8	0.5	0.1	T	0.0	0.0	0.0	0.0	T	0.2	1.2	9.0
Pa.	Philadelphia	17	4.8	5.0	3.8	T	0.0	0.0	0.0	0.0	0.0	T	0.8	3.1	17.5
	Pittsburgh	7	8.7	4.5	7.8	2.2	T	0.0	0.0	0.0	0.0	0.2	4.5	6.8	34.7
R.I.	Providence [1]	6	8.8	5.7	12.0	1.3	0.0	0.0	0.0	0.0	0.0	T	0.6	5.1	33.5
S.C.	Columbia [1]	12	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.8	1.1
S. Dak.	Sioux Falls	14	5.5	8.9	12.3	2.3	T	0.0	0.0	0.0	0.0	0.3	5.8	5.9	41.0
Tenn.	Memphis [1]	9	1.6	0.8	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4	2.8
	Nashville [1]	18	3.2	1.9	1.3	0.1	T	0.0	0.0	0.0	0.0	0.0	0.8	1.3	8.6
Tex.	Dallas	19	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.2	1.7
	El Paso	20	1.6	0.6	0.6	T	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.7	4.0
	Houston	21	0.3	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.3
Utah	Salt Lake City	31	13.6	9.0	8.1	3.3	0.2	T	0.0	0.0	T	0.5	6.3	10.7	51.7
Vt.	Burlington [1]	16	18.6	19.0	10.5	1.5	T	0.0	0.0	0.0	T	0.1	6.1	14.5	70.3
Va.	Norfolk [1]	11	2.2	0.5	0.1	T	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8	4.7
	Richmond	22	4.3	2.2	1.9	0.2	0.0	0.0	0.0	0.0	0.0	T	0.6	1.8	11.0
Wash.	Seattle	26	5.0	1.5	0.6	T	0.0	0.0	0.0	0.0	0.0	T	0.7	0.8	8.6
	Spokane	12	22.3	10.9	4.9	0.2	T	T	0.0	0.0	0.0	0.7	6.0	15.3	60.3
W. Va.	Charleston [1]	12	7.0	3.7	3.6	0.6	0.0	0.0	0.0	0.0	0.0	0.1	3.8	2.5	21.3
Wis.	Milwaukee	19	12.6	6.3	8.3	0.6	T	0.0	0.0	0.0	T	T	3.3	9.7	40.8
Wyo.	Cheyenne	24	6.5	6.3	12.7	10.6	4.3	0.6	0.0	0.0	0.7	3.2	7.3	5.8	58.0
P.R.	San Juan	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[1] Airport data. Value adjusted to represent observations taken at the present standard location.

Source: Department of Commerce, Weather Bureau; records.

No. 231. Average Percentage of Possible Sunshine, for Selected Cities

[For period of record through 1959]

STATION		Length of record (yrs.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	48	51	54	60	67	71	68	59	63	64	70	62	46	61
Alaska	Juneau	14	30	32	38	37	34	35	28	30	25	18	21	18	30
Ariz.	Phoenix	64	76	79	83	88	93	94	84	84	89	88	84	77	85
Ark.	Little Rock	18	43	52	54	60	64	70	69	73	69	71	58	48	61
Calif.	Los Angeles	19	71	72	74	66	67	69	81	82	81	74	80	71	74
	Sacramento	11	43	57	69	77	82	90	97	95	93	85	66	47	77
	San Francisco	23	54	59	66	70	71	74	64	64	72	70	65	53	66
Colo.	Denver	10	69	71	68	62	64	72	70	72	77	72	65	67	69
Conn.	Hartford	5	47	48	51	48	58	56	55	58	57	54	41	42	51
Del.	Wilmington [1]	15	46	55	57	57	58	63	63	61	59	58	53	51	58
D.C.	Washington [2]	11	45	52	54	53	57	65	63	61	62	59	54	47	56
Fla.	Jacksonville [2]	9	58	63	62	67	69	59	61	59	47	50	57	51	59
	Miami	48	66	72	73	73	68	61	65	67	62	62	64	65	67
Ga.	Atlanta [2]	25	47	51	56	65	69	68	61	66	64	66	58	48	60
Hawaii	Honolulu	7	65	62	71	72	71	73	75	73	75	71	65	59	70
Idaho	Boise	20	40	48	59	67	68	75	89	86	81	66	46	37	66
Ill.	Chicago	17	43	49	52	53	59	67	70	69	67	64	44	43	59
	Peoria	16	43	48	52	55	60	65	70	69	69	65	46	41	57
Ind.	Indianapolis	17	37	51	53	54	61	70	73	74	70	68	45	43	58
Iowa	Des Moines	9	48	53	53	59	61	68	71	70	70	65	57	45	61
Kans.	Wichita	6	59	58	60	61	61	76	78	80	77	67	71	63	68
Ky.	Louisville [2]	12	34	45	50	55	64	70	70	71	71	63	50	41	57
La.	New Orleans	44	49	51	57	65	68	67	61	64	65	72	62	48	61
Maine	Portland	19	54	61	58	51	56	62	67	66	63	59	48	53	59
Md.	Baltimore	57	48	56	59	59	61	64	65	63	64	63	55	49	59
Mass.	Boston [2]	8	52	50	56	55	61	65	70	67	68	63	55	57	61
Mich.	Detroit	26	32	44	50	53	59	65	71	67	60	56	34	31	54
	Sault Ste. Marie	18	33	42	51	54	53	55	62	57	43	44	22	25	45
Minn.	Duluth [1]	9	52	55	60	56	57	61	68	61	51	52	37	43	56
	Minneapolis	22	50	56	53	57	58	61	70	67	62	58	40	42	56
Miss.	Jackson [2]	4	44	42	56	58	62	60	64	69	54	54	50	48	55
Mo.	Kansas City	26	50	55	57	58	61	69	76	73	71	68	58	50	62
	St. Louis	23	45	50	56	59	65	66	72	70	70	69	56	45	60
Mont.	Great Falls	18	53	61	65	65	65	62	80	78	67	61	46	50	64
Nebr.	Omaha	24	53	54	53	58	60	66	76	71	69	68	52	48	61
Nev.	Reno	17	65	68	70	76	77	82	91	93	90	79	71	60	78
N.H.	Concord [2]	18	46	51	49	49	50	56	62	59	53	52	40	45	51
N.J.	Atlantic City	62	51	57	58	59	62	65	67	66	65	64	58	52	60
N. Mex.	Albuquerque	20	69	72	72	75	79	84	76	75	82	78	78	70	76
N.Y.	Albany	21	43	51	53	52	57	61	65	62	58	54	39	38	53
	Buffalo [2]	16	34	42	49	52	60	68	70	68	61	54	32	31	52
	New York	66	52	58	58	60	61	64	65	63	64	63	56	52	60
N.C.	Charlotte [2]	9	56	58	59	69	69	74	65	71	67	69	63	58	65
	Raleigh [2]	5	61	57	61	59	58	63	70	67	58	56	63	61	61
N. Dak.	Bismarck	20	54	57	57	58	60	61	75	71	64	60	46	48	60
Ohio	Cincinnati	44	41	46	52	56	62	69	72	68	68	60	46	39	57
	Cleveland	18	27	34	45	51	57	64	68	66	62	55	33	28	49
	Columbus [2]	8	35	44	45	53	62	67	69	72	73	63	48	36	56
Okla.	Oklahoma City	9	53	59	63	62	63	76	78	81	79	68	68	60	68
Oreg.	Portland	10	22	31	34	49	49	43	67	61	58	38	29	20	44
Pa.	Philadelphia	19	47	55	57	57	59	63	63	61	60	59	52	51	57
	Pittsburgh	7	36	40	50	52	58	65	62	69	58	58	48	38	53
R.I.	Providence [2]	6	53	56	58	55	60	60	60	61	61	59	52	53	57
S.C.	Columbia [2]	6	63	63	64	72	68	76	72	77	63	63	67	67	68
S. Dak.	Sioux Falls [1]	18	57	58	58	63	66	66	76	74	71	68	54	53	65
Tenn.	Memphis [2]	9	43	49	52	59	67	74	74	79	74	71	61	51	63
	Nashville [2]	18	37	46	52	59	61	68	63	65	65	63	53	40	56
Tex.	Dallas	19	47	50	57	58	62	75	78	78	74	66	63	54	67
	El Paso	17	75	79	81	85	88	88	78	80	82	82	84	77	82
	Houston	21	46	44	51	55	62	70	68	69	64	67	57	48	58
Utah	Salt Lake City	22	48	53	61	68	73	78	82	82	84	73	56	45	69
Vt.	Burlington [2]	16	35	44	49	46	52	57	63	61	53	47	29	30	47
Va.	Norfolk [2]	6	59	57	59	63	66	72	67	65	64	58	60	61	63
	Richmond	9	49	53	56	61	65	68	69	65	65	59	54	50	60
Wash.	Seattle	26	27	34	42	48	53	48	62	56	53	36	28	24	45
	Spokane	12	26	37	52	65	63	64	82	79	70	50	30	21	57
W. Va.	Charleston [1]	62	29	37	42	49	56	60	63	59	59	52	36	29	48
Wis.	Milwaukee	19	41	44	50	53	57	62	70	67	62	57	41	38	54
Wyo.	Cheyenne	24	62	64	63	57	57	66	69	66	70	69	62	58	64
P.R.	San Juan [2]	4	67	69	78	69	65	56	65	69	53	65	69	62	66

[1] Data not available; figures are for a nearby station.
[2] Airport data. Value adjusted to represent observations taken at the present standard location.
Source: Department of Commerce, Weather Bureau; records.

No. 232. Average Hourly Wind Speed, for Selected Cities

[For period of record through 1959. True velocities in miles per hour]

STATION		Length of record (yrs.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	11	11.6	11.6	11.8	11.0	9.6	8.5	7.7	7.8	9.1	9.4	10.7	11.0	10.0
Alaska	Juneau	16	8.4	8.5	8.8	8.7	8.0	7.6	7.6	7.4	7.7	9.1	8.7	9.1	8.3
Ariz.	Phoenix	14	4.3	4.8	5.7	5.9	6.0	5.9	6.1	5.5	5.1	4.7	4.4	4.1	5.2
Ark.	Little Rock	18	9.2	9.4	10.2	9.8	8.4	7.9	7.3	6.9	7.3	7.1	8.5	8.5	8.4
Calif.	Los Angeles	19	6.8	6.9	7.0	6.6	6.3	5.8	5.4	5.3	5.3	5.7	6.5	6.9	6.2
	Sacramento	11	10.1	9.3	10.5	9.9	10.5	11.2	10.5	10.0	9.0	8.0	7.4	8.4	9.6
	San Francisco	32	6.9	8.4	10.1	12.0	13.1	14.3	13.7	12.9	11.1	9.2	6.8	6.4	10.4
Colo.	Denver	11	9.9	10.2	10.8	11.0	10.1	9.9	9.1	8.7	8.8	8.7	9.9	10.0	9.8
Conn.	Hartford [1]	5	11.9	11.6	12.3	12.2	11.3	9.8	8.8	8.9	8.9	9.8	9.9	10.0	10.4
Del.	Wilmington	11	9.4	9.8	11.0	10.1	8.6	8.3	7.4	7.1	7.4	7.8	8.6	8.5	8.6
D.C.	Washington [1]	11	10.9	11.0	11.9	11.2	9.7	9.2	8.5	8.3	8.7	9.2	9.7	9.8	9.8
Fla.	Jacksonville [1]	10	8.4	9.6	9.4	9.4	9.0	8.8	7.9	7.7	8.9	9.2	8.4	8.5	8.8
	Miami [1]	10	9.6	10.3	9.9	10.1	9.2	8.0	7.7	7.0	8.0	8.5	8.9	8.2	8.8
Ga.	Atlanta [1]	21	11.3	11.6	11.7	10.8	8.9	8.4	7.7	7.4	8.4	8.7	9.6	10.2	9.6
Hawaii	Honolulu	10	9.9	10.9	11.9	12.4	13.0	13.3	14.0	14.1	11.9	11.0	11.0	11.7	12.1
Idaho	Boise	20	9.2	9.9	10.9	10.6	9.8	9.5	8.8	8.5	8.6	9.1	8.9	9.0	9.4
Ill.	Chicago	17	10.9	11.2	11.5	11.2	10.0	8.8	7.7	7.5	8.6	9.3	11.3	10.8	9.9
	Peoria	16	11.5	11.9	12.7	12.5	10.7	9.4	8.3	8.0	9.2	9.8	12.0	11.3	10.6
Ind.	Indianapolis	11	12.5	12.5	13.5	13.0	11.2	9.4	8.3	7.9	9.1	10.1	12.4	11.8	11.0
Iowa	Des Moines	10	12.3	12.5	14.4	14.4	12.3	11.5	9.9	9.4	10.7	11.7	13.7	12.7	12.1
Kans.	Wichita	6	13.4	13.7	15.1	15.0	13.9	13.5	11.8	12.4	13.1	13.3	13.4	13.0	13.5
Ky.	Louisville [1]	12	10.2	9.9	10.8	10.4	8.2	7.5	6.9	6.1	7.2	7.8	9.7	9.4	8.7
La.	New Orleans	44	7.5	7.6	7.9	7.5	6.7	6.0	5.7	5.6	6.7	6.9	7.2	7.3	6.9
Maine	Portland	19	9.4	9.7	10.3	10.2	9.2	8.2	7.7	7.6	7.9	8.8	9.1	9.2	8.9
Md.	Baltimore	24	10.3	10.8	11.5	11.3	10.0	9.5	8.8	8.6	8.9	9.2	10.0	9.9	9.9
Mass.	Boston [1]	2	14.3	14.6	14.2	12.7	11.8	11.1	9.9	10.4	10.7	11.8	13.5	14.0	12.4
Mich.	Detroit	26	11.3	11.4	11.4	11.0	9.7	9.0	8.2	8.0	9.0	9.5	11.5	11.2	10.1
	Sault Ste. Marie	18	10.2	10.5	10.9	11.2	10.6	9.2	8.5	8.3	9.3	9.8	10.7	10.5	10.0
Minn.	Duluth	10	12.5	13.1	13.3	14.8	13.8	11.7	10.8	10.6	12.3	12.8	13.9	12.6	12.7
	Minneapolis	22	10.6	10.9	11.6	12.7	11.7	11.1	9.5	9.4	10.5	10.9	11.6	10.7	10.9
Miss.	Jackson [1]	4	8.5	8.6	8.5	7.9	6.3	5.7	4.8	4.8	5.9	5.7	7.1	7.5	6.8
Mo.	Kansas City	20	10.2	10.6	12.1	11.8	10.6	10.5	9.1	9.0	9.6	9.3	11.0	10.2	10.3
	St. Louis [1]	2	9.8	11.5	11.9	10.4	9.0	8.3	7.6	7.8	9.2	8.8	10.0	9.0	9.4
Mont.	Great Falls	18	17.4	16.3	14.6	14.1	12.3	12.5	11.2	11.2	12.4	14.4	16.6	17.8	14.2
Nebr.	Omaha	24	11.5	11.8	13.2	13.6	11.7	11.1	9.5	9.7	10.2	10.5	11.7	11.2	11.3
Nev.	Reno	17	6.4	6.4	7.8	8.0	7.7	7.5	6.7	6.4	5.6	5.5	5.0	5.0	6.5
N.H.	Concord [1]	18	7.3	8.5	8.2	7.2	6.7	6.2	5.6	6.1	5.5	6.1	6.8	7.0	6.8
N.J.	Atlantic City	37	16.2	16.4	17.0	16.7	15.1	14.0	13.3	13.3	14.0	15.1	15.6	15.4	15.2
N. Mex.	Albuquerque	20	8.2	8.9	10.2	11.1	10.5	9.9	9.2	8.1	8.5	8.3	7.9	7.4	9.0
N.Y.	Albany	21	9.9	10.6	10.6	10.5	9.1	8.1	7.3	6.8	7.4	8.0	8.9	9.0	8.9
	Buffalo [1]	20	14.6	14.6	14.6	13.7	12.4	11.9	11.3	10.7	11.4	11.9	13.5	14.2	12.9
	New York	48	16.5	16.8	17.0	15.6	13.5	12.8	12.0	11.6	12.4	13.8	15.7	16.1	14.5
N.C.	Charlotte [1]	10	8.5	8.6	9.3	9.4	7.5	6.9	6.7	6.8	7.4	7.6	7.7	7.8	7.8
	Raleigh	10	8.3	8.6	9.2	9.3	7.3	6.7	6.6	6.5	7.0	7.3	7.3	7.5	7.6
N. Dak.	Bismarck	20	10.1	10.3	11.6	12.9	12.7	11.9	10.0	10.2	10.9	10.5	11.2	9.8	11.0
Ohio	Cincinnati	38	8.4	8.6	9.2	8.5	6.9	6.6	5.3	5.2	5.5	6.2	7.8	8.1	7.2
	Cleveland	17	12.7	13.0	13.2	12.3	10.8	9.7	9.0	8.6	9.6	10.4	12.9	12.8	11.3
	Columbus [1]	10	10.0	10.1	10.7	10.0	8.1	6.8	6.1	5.7	6.5	7.2	9.6	9.2	8.3
Okla.	Oklahoma City	11	15.2	15.0	16.4	16.3	14.4	14.3	12.2	11.6	12.7	13.3	13.9	14.3	14.1
Oreg.	Portland	11	10.0	8.7	8.2	6.9	6.3	6.3	7.0	6.4	5.7	6.1	7.8	9.5	7.4
Pa.	Philadelphia	19	10.4	11.1	11.7	11.2	9.8	9.0	8.2	7.8	8.1	9.0	9.7	10.1	9.7
	Pittsburgh	7	10.9	11.4	11.7	11.4	9.6	8.8	8.1	7.8	8.6	9.1	10.7	11.1	9.9
R.I.	Providence [1]	6	12.0	11.7	12.9	13.3	12.0	10.9	10.3	10.2	10.1	10.3	11.2	11.2	11.3
S.C.	Columbia [1]	11	7.2	7.5	8.6	8.8	7.0	6.7	6.8	6.0	6.3	6.1	6.3	6.5	7.0
S. Dak.	Sioux Falls	11	11.2	11.2	12.7	13.4	11.9	10.6	9.4	9.1	10.2	11.1	12.5	10.9	11.2
Tenn.	Memphis	11	11.8	11.2	11.8	11.3	9.2	8.3	7.7	7.1	7.2	8.1	9.9	11.5	9.6
	Nashville [1]	18	9.1	9.1	9.7	9.1	7.2	6.7	6.0	5.7	6.2	6.0	8.3	8.3	7.6
Tex.	Dallas	19	10.2	10.9	12.7	13.1	11.9	12.3	9.9	9.6	9.1	9.1	10.1	10.1	10.8
	El Paso	17	10.4	11.1	13.2	13.0	12.3	11.4	10.1	9.5	9.4	9.4	10.0	9.9	10.8
	Houston	21	10.8	11.2	11.7	11.9	10.7	9.7	8.3	8.3	8.8	9.4	10.3	10.2	10.1
Utah	Salt Lake City	30	7.5	8.2	9.2	9.4	9.5	9.4	9.5	9.6	9.0	8.5	7.6	7.4	8.7
Vt.	Burlington [1]	16	10.3	9.8	9.7	9.9	9.3	8.7	8.2	7.8	8.7	9.0	10.0	10.2	9.3
Va.	Norfolk [1]	11	11.5	11.7	12.2	11.6	9.6	8.8	8.3	8.5	9.3	10.5	10.7	10.7	10.3
	Richmond	11	8.2	8.4	9.0	8.9	7.5	7.2	6.9	6.7	7.1	7.3	7.5	7.6	7.7
Wash.	Seattle	24	10.1	10.0	10.2	9.5	8.8	8.4	7.9	7.3	7.4	8.5	9.4	10.6	9.0
	Spokane	12	8.0	8.7	9.2	9.1	8.1	8.4	7.8	7.6	7.6	7.4	7.6	8.6	8.2
W. Va.	Charleston	12	8.0	8.2	9.2	8.2	6.5	6.0	5.4	4.6	5.1	5.5	7.5	7.5	6.8
Wis.	Milwaukee	19	13.3	13.3	14.0	13.8	12.8	10.8	9.9	9.9	11.3	12.0	13.8	13.2	12.3
Wyo.	Cheyenne	24	14.3	14.6	14.6	13.8	11.9	11.1	9.6	9.7	10.5	11.3	13.9	14.5	12.5
P.R.	San Juan [1]	4	9.1	9.6	8.9	9.0	8.5	8.5	9.5	9.1	7.6	6.6	7.4	7.7	8.5

[1] Airport data. Values adjusted to represent observations taken at the present standard location.

Source: Department of Commerce, Weather Bureau; records.

No. 233. Average Relative Humidity

[For period of record through 1959. Eastern standard time. Hours selected to give, for most of country, were made on the

STATION		Length of record (yrs.)	JAN. 7:00 a.m.	JAN. 1:00 p.m.	FEB. 7:00 a.m.	FEB. 1:00 p.m.	MAR. 7:00 a.m.	MAR. 1:00 p.m.	APR. 7:00 a.m.	APR. 1:00 p.m.	MAY 7:00 a.m.	MAY 1:00 p.m.	JUNE 7:00 a.m.	JUNE 1:00 p.m.
Ala.	Mobile	18	87	62	86	60	85	57	87	56	87	55	88	59
Alaska	Juneau	16	78	79	80	79	82	77	85	72	89	72	87	71
Ariz.	Phoenix	21	74	47	71	41	62	33	53	28	43	20	39	19
Ark.	Little Rock	18	80	66	80	60	78	57	80	55	85	57	86	57
Calif.	Los Angeles	19	64	46	69	46	73	46	78	51	81	52	85	54
	Sacramento	20	90	82	88	75	85	64	85	57	82	51	78	45
	San Francisco[1]	20	87	77	86	75	84	68	87	69	87	68	88	66
Colo.	Denver	20	60	44	63	44	65	41	67	40	71	39	68	33
Conn.	Hartford[1]	5	73	58	73	56	75	55	76	51	73	47	79	53
Del.	Wilmington[1]	12	76	62	76	59	75	54	74	52	77	54	78	53
D.C.	Washington[1]	18	73	57	71	52	71	48	70	47	75	51	75	53
Fla.	Jacksonville	23	88	56	86	52	85	49	84	47	82	48	85	54
	Miami	17	86	55	86	56	83	56	81	56	81	59	83	62
Ga.	Atlanta[1]	11	82	62	81	56	79	53	79	49	81	51	83	53
Hawaii	Honolulu	13	80	80	79	79	77	74	75	71	75	69	74	68
Idaho	Boise	20	82	75	82	70	76	56	73	48	73	47	71	44
Ill.	Chicago	17	81	70	80	67	78	60	75	53	75	53	77	54
	Peoria	20	82	72	82	69	81	61	79	55	80	56	83	58
Ind.	Indianapolis	20	83	72	83	68	82	61	80	57	81	57	83	58
Iowa	Des Moines	20	79	71	81	69	82	64	79	54	81	56	84	60
Kans.	Wichita	6	80	63	80	59	76	51	78	50	84	56	84	52
Ky.	Louisville[1]	12	81	68	80	62	78	56	79	52	82	52	83	53
La.	New Orleans	37	85	67	85	64	84	60	84	59	83	59	83	60
Maine	Portland	19	81	65	80	61	76	70	74	57	75	58	78	61
Md.	Baltimore	60	72	58	70	56	69	53	65	50	67	51	70	53
Mass.	Boston[1]	7	70	60	70	58	69	56	69	54	67	53	70	56
Mich.	Detroit	26	81	70	81	67	79	61	75	53	72	52	74	54
	Sault Ste. Marie	18	84	78	85	75	85	69	80	61	79	57	85	63
Minn.	Duluth	18	78	73	79	69	82	67	80	59	79	55	85	62
	Minneapolis	22	81	71	81	68	81	63	76	52	76	51	80	56
Miss.	Jackson[1]	4	82	59	83	60	83	54	88	56	89	58	91	60
Mo.	Kansas City	26	78	64	77	61	75	55	74	51	79	54	79	54
	St. Louis[1]	2	80	67	75	60	79	59	74	54	80	56	80	56
Mont.	Great Falls	18	67	62	69	62	72	59	68	45	71	45	74	49
Nebr.	Omaha	24	81	68	82	66	81	60	77	52	80	54	81	55
Nev.	Reno	20	81	67	81	60	77	46	73	37	76	34	75	31
N.H.	Concord	18	79	61	78	56	76	53	73	48	74	48	78	51
N.J.	Atlantic City	70	79	68	77	68	77	66	76	75	78	69	80	71
N. Mex.	Albuquerque	20	67	51	62	44	55	34	51	29	48	26	44	24
N.Y.	Albany[1]	13	78	66	78	62	77	58	73	50	73	51	76	52
	Buffalo	20	79	72	80	69	79	65	77	58	77	56	77	56
	New York	71	72	62	70	59	70	56	69	54	71	56	74	58
N.C.	Charlotte[1]	20	82	57	79	51	79	50	77	46	79	48	81	50
	Raleigh[1]	15	82	57	81	53	79	49	79	47	81	51	83	52
N. Dak.	Bismarck	20	77	71	79	70	83	63	82	52	79	48	83	54
Ohio	Cincinnati	19	81	69	81	63	80	56	78	52	80	53	83	55
	Cleveland	17	81	72	81	68	80	62	77	55	76	54	78	54
	Columbus	20	82	71	81	67	80	58	78	54	79	54	81	54
Okla.	Oklahoma City[1]	5	84	67	85	65	78	56	80	54	88	62	87	58
Oreg.	Portland	19	87	82	87	80	87	70	87	66	87	66	87	66
Pa.	Philadelphia	19	76	60	75	56	74	52	73	49	75	51	76	52
	Pittsburgh[1]	7	78	67	77	64	77	58	75	53	74	50	79	54
R.I.	Providence[1]	6	71	59	73	56	71	53	72	53	70	52	76	57
S.C.	Columbia[1]	12	85	55	86	53	84	49	81	45	81	47	82	48
S. Dak.	Sioux Falls	11	72	63	75	63	78	65	76	47	78	49	82	53
Tenn.	Memphis	20	81	66	81	62	79	57	80	54	82	55	84	55
	Nashville[1]	20	83	67	82	61	81	57	77	50	84	53	83	52
Tex.	Dallas	19	81	62	80	61	77	54	82	56	85	56	83	53
	El Paso	20	63	44	54	36	45	29	40	26	40	23	44	26
	Houston	19	86	65	88	65	85	58	89	60	92	60	91	59
Utah	Salt Lake City	25	80	70	79	64	74	51	69	42	67	36	63	32
Vt.	Burlington	18	80	69	78	65	76	60	74	54	72	53	75	55
Va.	Norfolk[1]	11	77	60	77	57	75	54	75	51	78	56	78	56
	Richmond	25	82	58	80	53	78	49	76	46	78	49	80	52
Wash.	Seattle	20	85	80	86	78	85	70	85	63	84	61	85	63
	Spokane	12	84	80	85	77	80	65	75	52	77	51	75	49
W. Va.	Charleston	12	77	63	77	58	75	54	75	48	82	50	86	54
Wis.	Milwaukee	19	77	70	77	69	79	65	77	58	77	59	80	60
Wyo.	Cheyenne	24	62	48	65	49	70	49	74	47	73	47	75	41
P.R.	San Juan[1]	4	85	65	83	62	83	60	80	65	82	67	82	69

[1] Airport data. Values adjusted to represent observations taken at present standard location.

Source: Department of Commerce, Weather Bureau; records.

(PERCENT), FOR SELECTED CITIES

approximation of average highest and average lowest humidity values. Relative humidity observations half-hour prior to 1957]

JULY		AUG.		SEPT.		OCT.		NOV.		DEC.		ANNUAL		STATION	
7:00 a.m.	1:00 p.m.	7:00 a.m.	1:00 p.m.	7:00 a.m.	1:00 p.m.	7:00 a.m.	1:00 p.m.	7:00 a.m.	1:00 p.m.	7:00 a.m.	1:00 p.m.	7:00 a.m.	1:00 p.m.		
90	64	91	60	90	61	87	54	84	55	86	62	87	59	Ala....	Mobile.
88	78	90	81	91	85	88	85	85	84	82	82	85	79	Alaska.	Juneau.
52	31	61	36	56	30	60	32	66	34	71	44	59	33	Ariz...	Phoenix.
86	56	86	55	86	53	85	51	81	55	82	63	83	57	Ark....	Little Rock.
84	49	84	49	79	47	76	47	59	38	61	43	74	47	Calif...	Los Angeles.
77	47	78	50	75	47	78	54	85	68	89	80	83	60		Sacramento.
90	70	90	70	87	68	87	69	86	72	87	77	87	71		San Francisco.[1]
67	32	67	32	63	32	62	34	60	39	59	40	64	38	Colo...	Denver.
84	56	85	54	89	56	88	58	81	58	79	63	80	55	Conn..	Hartford.[1]
80	53	84	56	86	55	85	55	82	57	78	60	79	56	Del....	Wilmington.[1]
77	53	81	54	82	54	82	54	77	53	73	55	76	53	D.C...	Washington.[1]
86	57	89	59	90	61	90	58	88	55	89	58	87	55	Fla....	Jacksonville.
84	65	86	63	88	66	88	64	87	61	86	60	85	60		Miami.
87	58	86	53	86	56	85	53	80	52	81	60	83	55	Ga.....	Atlanta.[1]
74	69	75	70	75	70	76	72	78	74	77	75	76	73	Hawaii.	Honolulu.
54	34	51	34	58	39	68	49	80	66	84	76	71	53	Idaho..	Boise.
78	51	82	53	81	50	80	50	79	62	80	69	79	58	Ill.....	Chicago.
84	54	87	56	86	53	84	54	82	64	83	71	83	60		Peoria.
84	55	87	55	87	52	87	53	84	64	84	71	84	60	Ind....	Indianapolis.
85	56	88	59	84	54	80	52	80	63	81	70	82	61	Iowa...	Des Moines.
79	47	77	45	75	46	80	52	74	48	77	54	79	52	Kans..	Wichita.
85	53	88	54	86	49	87	51	79	56	81	64	82	56	Ky....	Louisville.[1]
84	63	85	62	85	62	82	59	82	60	85	66	84	62	La.....	New Orleans.
79	59	83	59	86	61	86	50	86	65	82	62	81	61	Maine.	Portland.
71	52	74	55	75	56	74	53	72	55	71	58	71	54	Md....	Baltimore.
72	54	75	56	77	56	78	57	75	57	69	57	72	56	Mass..	Boston.[1]
75	51	80	52	83	54	83	55	80	64	81	70	79	59	Mich..	Detroit.
88	62	91	62	92	67	89	66	87	76	86	79	86	68		Sault Ste. Marie.
88	61	91	63	92	64	88	62	86	75	80	74	84	65	Minn..	Duluth.
82	54	85	56	85	55	81	55	82	67	82	73	81	60		Minneapolis.
92	60	92	55	91	59	90	56	85	55	84	58	88	58	Miss...	Jackson.[1]
76	49	78	51	79	49	76	49	74	55	77	63	77	55	Mo....	Kansas City.
85	61	88	59	86	57	83	56	75	58	82	67	81	59		St. Louis.[1]
63	37	63	38	64	43	64	48	66	57	65	59	67	50	Mont..	Great Falls.
81	52	84	55	82	51	79	50	78	57	81	65	81	57	Nebr..	Omaha.
72	26	74	26	76	32	78	42	81	54	82	67	77	44	Nev...	Reno.
79	50	86	52	88	54	86	52	84	59	79	58	80	53	N.H...	Concord.
81	72	82	71	81	70	80	64	79	65	78	67	79	68	N.J...	Atlantic City.
59	33	66	39	54	34	60	37	60	41	66	50	58	37	N.Mex.	Albuquerque.
77	51	84	52	88	55	87	55	81	63	81	66	79	57	N.Y...	Albany.[1]
79	53	82	54	83	56	82	58	79	66	79	71	79	61		Buffalo.
76	58	78	60	78	60	75	59	73	61	72	62	73	59		New York.
86	55	88	55	87	54	87	51	84	51	82	56	83	52	N.C...	Charlotte.[1]
86	55	90	57	89	58	90	55	79	52	76	55	83	53		Raleigh.[1]
84	51	84	49	83	50	82	52	82	67	80	71	82	59	N. Dak.	Bismarck.
85	53	87	51	87	50	86	51	81	59	81	66	83	57	Ohio...	Cincinnati.
80	53	83	54	83	53	82	55	80	64	80	70	80	60		Cleveland.
83	52	86	52	86	50	86	53	82	62	82	69	82	58		Columbus.
81	51	81	47	80	50	82	54	75	48	78	58	82	56	Okla..	Oklahoma City.[1]
85	63	86	65	88	67	91	79	89	82	88	84	87	73	Oreg...	Portland.
79	52	82	55	84	52	83	53	80	55	77	58	78	54	Pa.....	Philadelphia.
82	54	85	55	84	52	83	56	89	59	89	66	81	57		Pittsburgh.
80	58	81	58	84	58	83	56	78	57	74	58	76	56	R.I....	Providence.[1]
85	52	89	51	90	55	91	51	88	48	86	54	86	51	S.C...	Columbia.[1]
83	51	85	53	79	48	75	49	74	55	75	65	78	55	S. Dak.	Sioux Falls.
85	56	87	54	85	53	85	50	81	54	81	62	83	57	Tenn..	Memphis.
86	55	89	54	88	51	88	52	84	57	85	65	85	56		Nashville.[1]
79	50	78	47	81	49	82	51	79	51	78	58	80	54	Tex....	Dallas.
59	36	63	39	57	37	58	37	56	36	61	41	53	34		El Paso.
92	58	93	58	90	60	89	56	86	57	86	64	89	60		Houston.
55	27	55	28	59	31	69	41	78	57	82	69	69	46	Utah..	Salt Lake City.
76	54	80	55	83	59	82	59	81	68	80	69	78	60	Vt....	Burlington.
82	58	85	61	83	60	84	62	80	55	78	58	79	57	Va....	Norfolk.[1]
84	55	87	56	88	55	89	53	84	51	82	55	82	53		Richmond.
85	62	87	67	90	71	91	79	89	81	86	83	87	72	Wash..	Seattle.
65	39	62	41	69	47	83	67	86	78	88	84	77	61		Spokane.
88	63	92	55	90	51	86	54	78	54	77	60	82	55	W. Va.	Charleston.
81	58	84	59	84	58	82	58	80	66	78	70	80	63	Wis...	Milwaukee.
73	35	71	36	68	37	66	39	62	44	61	47	69	43	Wyo...	Cheyenne.
81	67	82	66	83	68	85	68	86	66	87	68	83	66	P.R...	San Juan.[1]

No. 234. Normal Monthly and Annual Degree Days, 65° Base, for Selected Cities

[Based on standard 30-year period (1921 to 1950)]

STATION		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	416	304	222	47	0	0	0	0	0	28	219	376	1,612
Alaska	Juneau	1,203	1,056	998	765	558	342	319	335	480	716	957	1,159	8,888
Ariz.	Phoenix	474	309	196	74	0	0	0	0	0	22	223	400	1,698
Ark.	Little Rock	719	543	401	122	18	0	0	0	10	110	405	654	2,982
Calif.	Los Angeles	328	244	212	129	68	19	0	0	17	41	140	253	1,451
	Sacramento	614	403	317	196	85	5	0	0	17	75	321	567	2,600
	San Francisco	462	336	317	279	248	180	189	177	110	128	237	406	3,069
Colo.	Denver	1,042	854	797	492	266	60	0	5	103	385	711	958	5,673
Conn.	Hartford	1,178	1,033	862	510	183	21	0	8	90	375	711	1,097	6,068
Del.	Wilmington	983	876	698	396	110	6	0	0	47	282	585	927	4,910
D.C.	Washington	884	770	606	314	80	0	0	0	32	231	510	831	4,258
Fla.	Jacksonville	331	247	169	23	0	0	0	0	0	16	148	309	1,243
	Miami	57	48	15	0	0	0	0	0	0	0	5	48	173
Ga.	Atlanta	632	512	404	133	20	0	0	0	8	110	393	614	2,826
Hawaii	Honolulu	0	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	Boise	1,169	868	719	453	249	92	0	0	135	389	762	1,054	5,890
Ill.	Chicago	1,243	1,053	868	507	229	58	0	0	90	350	765	1,147	6,310
	Peoria	1,240	1,028	828	435	192	41	0	11	86	339	759	1,128	6,087
Ind.	Indianapolis	1,122	938	772	432	176	30	0	0	79	306	705	1,051	5,611
Iowa	Des Moines	1,308	1,072	849	425	183	41	0	6	89	346	777	1,178	6,274
Kans.	Wichita	1,023	778	619	280	101	7	0	0	32	219	597	915	4,571
Ky.	Louisville	933	778	611	285	94	5	0	0	51	232	579	871	4,439
La.	New Orleans	341	223	163	19	0	0	0	0	0	5	141	283	1,175
Maine	Portland	1,373	1,218	1,039	693	394	117	15	56	199	515	825	1,237	7,681
Md.	Baltimore	955	840	676	378	115	5	0	0	50	278	582	908	4,787
Mass.	Boston	1,113	1,002	849	534	236	42	0	7	77	315	618	998	5,791
Mich.	Detroit	1,203	1,072	927	558	251	60	0	8	96	381	747	1,101	6,404
	Sault Ste. Marie	1,587	1,442	1,302	846	499	224	109	126	298	639	1,005	1,398	9,475
Minn.	Duluth	1,696	1,448	1,252	801	487	200	66	91	277	614	1,002	1,550	9,574
	Minneapolis	1,562	1,310	1,057	570	259	80	8	17	157	459	960	1,414	7,853
Miss.	Jackson	535	405	299	81	0	0	0	0	0	69	310	503	2,202
Mo.	Kansas City	1,085	851	666	292	111	8	0	0	44	240	621	970	4,888
	St. Louis	983	792	620	270	94	7	0	0	38	202	570	893	4,469
Mont.	Great Falls	1,311	1,131	1,008	621	359	166	24	50	273	524	894	1,194	7,555
Nebr.	Omaha	1,302	1,058	831	389	175	32	0	5	88	331	783	1,166	6,160
Nev.	Reno	1,048	804	756	519	318	165	27	61	165	443	744	986	6,036
N.H.	Concord	1,392	1,226	1,029	660	316	82	11	57	192	527	849	1,271	7,612
N.J.	Atlantic City	905	829	729	468	189	24	0	0	29	230	507	831	4,741
N. Mex.	Albuquerque	970	714	589	289	70	0	0	0	10	218	630	899	4,389
N.Y.	Albany	1,318	1,179	989	597	246	50	0	24	139	443	780	1,197	6,962
	Buffalo	1,225	1,128	992	636	315	72	16	30	122	433	753	1,116	6,838
	New York	995	904	753	456	153	18	0	0	39	263	561	908	5,050
N.C.	Charlotte	704	577	449	172	29	0	0	0	7	147	438	682	3,205
	Raleigh	732	613	477	202	41	0	0	0	16	149	438	701	3,369
N. Dak.	Bismarck	1,730	1,464	1,187	657	355	116	29	37	227	598	1,098	1,535	9,033
Ohio	Cincinnati	989	846	682	347	132	13	0	0	56	263	612	930	4,870
	Cleveland	1,132	1,019	874	531	223	46	0	10	75	340	699	1,057	6,006
	Columbus	1,094	946	781	444	180	31	0	8	69	337	693	1,032	5,615
Okla.	Oklahoma City	865	650	490	182	40	0	0	0	14	154	480	769	3,644
Oreg.	Portland	791	594	515	347	199	70	13	14	85	280	534	701	4,143
Pa.	Philadelphia	933	837	667	369	93	0	0	0	33	219	516	856	4,523
	Pittsburgh	1,116	986	818	486	195	36	0	20	94	377	720	1,057	5,905
R.I.	Providence	1,125	1,019	874	570	258	58	0	26	107	381	672	1,035	6,125
S.C.	Columbia	566	468	340	83	0	0	0	0	0	82	338	558	2,435
S. Dak.	Sioux Falls	1,575	1,274	1,023	558	276	80	16	21	155	472	984	1,414	7,848
Tenn.	Memphis	725	574	427	139	24	0	0	0	17	126	432	673	3,137
	Nashville	778	636	498	186	43	0	0	0	22	154	471	725	3,513
Tex.	Dallas	607	432	288	75	0	0	0	0	0	53	299	518	2,272
	El Paso	670	445	330	110	0	0	0	0	0	70	390	626	2,641
	Houston	378	240	166	27	0	0	0	0	0	0	162	303	1,276
Utah	Salt Lake City	1,194	885	741	453	233	81	0	0	88	381	771	1,039	5,866
Vt.	Burlington	1,460	1,313	1,107	681	307	72	19	47	172	521	858	1,308	7,865
Va.	Norfolk	729	644	500	265	59	0	0	0	9	152	408	688	3,454
	Richmond	828	708	550	271	66	0	0	0	33	210	498	791	3,955
Wash.	Seattle	753	602	558	396	246	107	49	45	134	329	540	679	4,438
	Spokane	1,243	988	834	561	330	146	17	28	205	508	879	1,113	6,852
W. Va.	Charleston	887	750	632	310	110	8	0	0	60	250	576	834	4,417
Wis.	Milwaukee	1,336	1,142	983	621	351	109	20	32	134	428	831	1,218	7,205
Wyo.	Cheyenne	1,225	1,044	1,029	717	462	173	33	39	241	577	897	1,125	7,562
P.R.	San Juan	0	0	0	0	0	0	0	0	0	0	0	0	0

Source: Department of Commerce, Weather Bureau; records.

Section 7

Public Lands; Parks; and Recreation

Statistics in this section relate to the Federal public domain and other Federally owned and leased real property, national parks and forests, State and municipal parks, foreign and domestic travel, and other forms of recreation.

Public lands statistics are published primarily by the Department of the Interior, Bureau of Land Management, in the *Annual Report of the Director*. Data on Federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*. The Agricultural Research Service of the Department of Agriculture also compiles and issues statistics on land use and land ownership.

The National Park Service of the Department of the Interior publishes information on national parks in its annual reports, *Areas Administered by the National Park Service* and *Public Use, Tabulations of Visitors to Areas Administered by the National Park Service* (monthly with cumulative annual in December); and on State park systems in its annual report, *State Park Statistics*. Data for municipal parks and playgrounds, as well as for other outdoor recreational activities, have been compiled by a private agency, Resources for the Future, Inc., Washington, D.C., and published in *Statistics on Outdoor Recreation* (1958). The Forest Service collects and issues, in its *Annual Report of the Chief*, figures for recreational uses of the national forests. The Fish and Wildlife Service compiles data for hunting and fishing. Figures on expenditures for recreation and on domestic and foreign travel are compiled by the Department of Commerce and appear periodically in the monthly *Survey of Current Business* and in other reports.

Public-domain and acquired lands.—Sovereignty over its present land area was acquired by the U.S. Government through a series of international agreements and treaties. The United States, however, did not gain title to all of these lands by such agreements. At the time of acquisition of U.S. sovereignty over the areas involved (now 2,271 million acres) title to about 463 million acres rested in individual States and their political subdivisions or in private owners, which title was not relinquished to the Federal Government. Title to the remaining land area passed to the U.S. Government. This area, with the exception of lands in the District of Columbia, is known as the original public domain.

In addition to the original public domain, the Federal Government has from time to time acquired, by purchase, condemnation, and gift, tracts of land needed for public purposes. Such lands are referred to as acquired lands, to distinguish them from public-domain lands.

Public-domain lands or public lands refer to those Federally owned lands to which the general body of public land laws apply. In general, these lands include that portion of the original public domain not disposed of under the public land laws, and certain other lands declared by the Congress specifically to be public lands, and exclude acquired lands, as defined above.

Indian lands.—Indian lands refer to public-domain lands ceded to the Government by Indian tribes on condition that proceeds from their sale or other disposition would be earmarked into the Treasury in trust for the Indians.

Entries, selections, patents, and certifications.—The data on entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to

public lands which have been accepted as properly filed. Some types of applications, however, are not reported until the final certificate is issued. Applications become final entries (perfected entries) upon issuance of a final certificate which is given to the applicant after he has complied fully with the requirements of the laws relating to his application. A final certificate passes equitable title to the land to the applicant. Patents are instruments which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

Alaska and Hawaii.—For a general statement concerning the treatment of data for Alaska and Hawaii, see preface. "Conterminous area" refers to the United States excluding Alaska, Hawaii, and outlying areas.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, Colonial Times to 1957*, series J 3–9") provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

No. 235. Acquisition and Extent of Public Domain of the United States: 1781 to 1960

[Areas are as computed in 1912, hence do not agree with figures (in square miles) shown in table 210, which includes later adjustments and reflects subsequent remeasurement. See also *Historical Statistics, Colonial Times to 1957*, series J 3–9]

ITEM	Acquisition of the original public domain			Estimated area of the public domain (selected years) [1]
	Total area	Land area	Water area	
	Acres	*Acres*	*Acres*	*Acres*
Aggregate	1,837,762,560	1,807,681,920	30,080,640	----------
1960, estimate of public domain	----------	----------	----------	*718,000,000*
1959, estimate of public domain	----------	----------	----------	*770,000,000*
1958, estimate of public domain	----------	----------	----------	*410,000,000*
1955, estimate of public domain	----------	----------	----------	*411,000,000*
1950, estimate of public domain	----------	----------	----------	*412,000,000*
1946, estimate of public domain	----------	----------	----------	*413,000,000*
1912, estimate of public domain	----------	----------	----------	*600,000,000*
1880, estimate of public domain	----------	----------	----------	*900,000,000*
1867, Alaska Purchase	375,296,000	365,481,600	9,814,400	----------
1853, Gadsden Purchase	18,988,800	18,961,920	26,880	----------
1850, estimate of public domain	----------	----------	----------	*1,200,000,000*
1850, Purchase from Texas	78,926,720	78,842,880	83,840	----------
1848, Mexican Cession [2]	338,680,960	334,479,360	4,201,600	----------
1846, Oregon Compromise	183,386,240	180,644,480	2,741,760	----------
1819, Cession from Spain	46,144,640	43,342,720	[3] 2,801,920	----------
Red River Basin [4]	29,601,920	29,066,880	535,040	----------
1803, Louisiana Purchase [2]	529,911,680	523,446,400	6,465,280	----------
1802, estimate of public domain	----------	----------	----------	*200,000,000*
1781–1802 (State Cessions)	236,825,600	233,415,680	3,409,920	----------

[1] Estimated from imperfect data available for indicated years. Beginning 1959, includes Alaska.
[2] Data for Louisiana Purchase exclude area eliminated by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession.
[3] Includes 33,920 acres subsequently recognized as part of State of Texas which is not a public domain State.
[4] Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to method and exact date of its acquisition. Some hold it as part of Louisiana Purchase, others maintain it was acquired from Great Britain.

Source: Department of Interior. Estimated area, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S.*, 1922.

No. 236. Total Land Acreage and Federally Owned Land and Buildings by Acquisition and Cost, 1955 to 1960, and by States, 1960

[Land in thousands of acres. As of June 30. Beginning 1959, includes Alaska, except as noted, and beginning 1960, includes Hawaii]

STATE	LAND							FEDERALLY OWNED BUILDINGS	
	Total acreage	Not owned by Federal Government	Owned by Federal Government						
			Total		Public domain	Acquired by other methods	Cost of land [2] ($1,000)	Number	Cost ($1,000)
			Acres	Percent [1]					
1955	1,903,825	1,495,929	407,896	21.4	357,210	50,686	2,368,987	384,916	14,475,283
1956	1,903,825	1,494,320	409,505	21.5	360,309	49,196	2,463,113	357,847	14,865,830
1957	1,903,825	1,495,272	408,553	21.5	358,657	49,896	2,511,875	336,545	15,491,321
1958	1,903,825	1,495,634	408,191	21.4	358,342	49,849	2,552,164	351,059	16,213,093
1959 [3]	2,269,306	1,500,666	768,640	33.8	718,642	49,998	2,752,480	369,995	17,523,984
1960									
Total	**2,273,407**	**1,501,894**	**771,512**	**33.9**	**720,004**	**51,508**	**2,955,973**	**405,443**	**19,916,363**
Ala	32,690	31,614	1,076	3.3	62	1,014	48,763	8,057	370,282
Alaska	365,482	978	364,504	99.8	364,487	17	1,346	9,392	894,173
Ariz	72,688	40,188	32,500	44.7	32,206	294	11,065	8,969	171,382
Ark	33,712	30,695	3,017	9.0	1,069	1,948	39,161	5,275	238,780
Calif	100,314	55,268	45,046	44.9	42,278	2,768	345,410	55,733	2,025,250
Colo	66,510	42,538	23,972	36.0	23,040	932	28,276	7,126	371,838
Conn	3,135	3,129	7	0.2	----------	7	16,956	895	107,404
Del	1,266	1,234	31	2.5	----------	31	5,108	1,008	66,111
D.C	39	28	11	28.8	----------	11	129,759	2,269	489,046
Fla	34,728	31,451	3,277	9.4	307	2,970	39,691	13,233	516,992
Ga	37,429	35,395	2,034	5.4	----------	2,034	85,619	13,117	434,128
Hawaii	4,100	3,866	234	5.7	----------	234	21,910	11,506	407,478
Idaho	52,972	18,645	34,328	64.8	33,594	734	23,714	4,468	116,835
Ill	35,798	35,375	423	1.2	1	422	69,884	7,225	661,269
Ind	23,171	22,833	338	1.5	(4)	338	23,834	6,592	313,622
Iowa	35,869	35,745	124	0.3	(4)	123	14,091	1,694	95,207
Kans	52,549	52,182	367	0.7	27	341	36,096	7,497	380,422
Ky	25,513	24,511	1,002	3.9	----------	1,002	84,760	7,445	444,509
La	28,904	27,844	1,060	3.7	29	1,031	39,617	5,923	245,793
Maine	19,866	19,738	128	0.6	----------	128	6,632	2,785	176,172
Md	6,324	6,142	182	2.9	----------	182	36,118	12,702	706,608
Mass	5,035	4,978	57	1.1	----------	57	52,919	6,821	446,756
Mich	36,494	33,250	3,244	8.9	289	2,955	23,957	4,559	266,633
Minn	51,206	47,840	3,366	6.6	1,454	1,912	15,585	2,062	117,933
Miss	30,239	28,724	1,514	5.0	10	1,505	42,945	3,931	140,187
Mo	44,305	42,610	1,695	3.8	3	1,692	60,103	6,787	418,133
Mont	93,362	65,643	27,719	29.7	25,302	2,417	22,375	5,211	80,540
Nebr	49,064	48,358	706	1.4	256	451	22,798	3,069	143,929
Nev	70,265	9,240	61,025	86.9	60,558	467	4,188	4,451	93,655
N.H	5,771	5,071	700	12.1	----------	700	14,669	1,049	84,871
N.J	4,814	4,715	99	2.1	----------	99	39,831	9,037	471,786
N. Mex	77,767	50,632	27,135	34.9	25,867	1,268	15,106	12,628	439,331
N.Y	30,684	30,413	271	0.9	----------	271	125,032	10,639	993,755
N.C	31,422	29,527	1,895	6.0	----------	1,895	61,032	14,588	401,088
N. Dak	44,836	42,871	1,965	4.4	212	1,754	58,881	1,524	63,800
Ohio	26,240	26,033	207	0.8	(4)	207	71,395	5,180	780,179
Okla	44,180	43,027	1,153	2.6	179	974	85,479	7,237	281,210
Oreg	61,642	30,127	31,515	51.1	30,548	967	129,739	5,365	92,252
Pa	28,829	28,274	555	1.9	----------	555	102,014	7,036	574,761
R.I	677	669	8	1.1	----------	8	7,311	2,793	132,005
S.C	19,395	18,268	1,127	5.8	----------	1,127	57,261	8,914	514,989
S. Dak	48,983	45,634	3,349	6.8	1,604	1,744	94,017	3,055	95,048
Tenn	26,750	25,210	1,540	5.8	----------	1,540	197,724	5,936	635,269
Tex	168,648	165,962	2,686	1.6	----------	2,686	167,109	29,789	1,092,662
Utah	52,701	16,291	36,410	69.1	35,889	521	15,476	4,210	195,977
Vt	5,938	5,684	254	4.3	----------	254	8,552	420	15,201
Va	25,532	23,399	2,133	8.4	----------	2,133	123,779	19,526	935,218
Wash	42,743	30,146	12,597	29.5	11,187	1,410	168,151	17,772	844,704
W. Va	15,411	14,465	946	6.1	----------	946	29,199	1,399	126,108
Wis	35,011	33,228	1,784	5.1	20	1,763	18,806	3,699	144,348
Wyo	62,404	32,208	30,196	48.4	29,525	671	12,730	3,845	60,734

[1] Excludes trust properties.
[2] Excludes valuation for public domain lands for which there are no costs.
[3] Excludes Department of Defense (military functions) in Alaska.
[4] Less than 500 acres.

Source: General Services Administration; annual report, *Inventory Report on Real Property Owned by the United States Throughout the World.*

No. 237. Ownership of Land, by Class: 1954 and 1959

[Acreage in millions. Excludes Alaska and Hawaii. Compiled from State and Federal reports and records. See also table 843. See also *Historical Statistics, Colonial Times to 1957*, series J 65 and J 75]

Classes	1954		1959	
	Land area	Percent	Land area	Percent
Total	**1,904**	**100.0**	**1,902**	**100.0**
Private land [1 2]	1,345	70.6	1,346	70.8
Private land assessed as acreage for taxation	1,328	69.7	(3)	(3)
Urban areas assessed as lots	12	0.6	(3)	(3)
Areas not assessed (estimated)	5	0.3	(3)	(3)
Indian land	56	3.0	52	2.7
Public land [2]	504	26.4	504	26.5
Federal land [4]	405	21.3	406	21.3
State land	81	4.2	80	4.2
County and municipal land (estimated)	18	0.9	18	1.0

[1] Comprises individually owned, partnership, and corporate owned.
[2] Highway and road rights-of-way are partly covered in public land areas and partly in private land areas.
[3] Not available.
[4] Source: General Services Administration.

Source: Department of Agriculture, Agricultural Research Service.

No. 238. Federal Real Property—Land, Buildings, and Cost, by Agency: 1959 and 1960

[As of June 30. Covers Federally owned real property throughout world. Minus sign (—) denotes decrease]

Agency	Land (1,000 acres)			Buildings, floor area (1,000 sq. ft.)			Total cost, land, buildings, structures, and facilities ($1,000)		
	1959	1960	Net change	1959	1960	Net change	1959	1960	Net change
Total	**771,673**	**772,048**	**376**	[1] **2,312,063**	[1] **2,344,396**	**32,334**	**49,154,592**	**52,618,439**	**3,463,847**
Agriculture	186,085	186,053	—32	20,221	20,356	135	965,437	1,061,236	95,799
Atomic Energy Commission	1,853	2,088	235	77,451	74,201	—3,250	3,181,723	3,167,450	—14,273
Commerce	7	8	-------	11,444	10,176	—1,268	183,947	175,121	—8,826
Defense	29,405	29,810	405	[1] 1,793,004	[1] 1,828,146	35,142	33,876,520	36,706,479	2,829,959
Army	8,118	8,546	428	[1] 740,287	[1] 763,558	23,271	9,297,576	9,687,204	389,628
Air Force	12,995	12,487	—508	[1] 500,322	[1] 532,714	32,392	11,319,648	12,935,361	1,615,713
Navy	3,443	3,605	162	[1] 541,495	[1] 520,496	—20,999	9,013,011	9,280,982	267,971
Corps of Engineers, civil functions	4,849	5,173	324	10,899	11,378	479	4,246,285	4,802,932	556,647
General Services Administration	20	25	5	119,223	121,992	2,770	1,207,150	1,326,164	119,014
Housing and Home Finance Agency	2	1	—1	1,395	1,112	—283	23,895	16,953	—6,942
Interior	552,869	552,639	—230	42,005	41,702	—303	4,446,450	4,566,184	119,734
Post Office	2	2	-------	47,335	46,786	—549	484,097	491,350	7,253
Tennessee Valley Authority	707	696	—11	2,771	2,794	23	1,680,682	1,753,152	72,470
Treasury	86	86	-------	13,860	14,231	371	210,928	221,104	10,176
Veterans Administration	32	29	—3	116,720	114,796	—1,924	1,171,703	1,195,985	24,282
Other	604	612	8	66,635	68,103	1,469	1,722,060	1,937,261	215,201

[1] Excludes floor area pertaining to Department of Defense (military functions) outside the United States (conterminous area).

Source: General Services Administration; annual report, *Inventory Report on Real Property Owned by the United States Throughout the World.*

No. 239. Federal Real Property—Land, Buildings, and Cost, by Agency and Location: 1960

[As of June 30]

Agency	Land (1,000 acres)			Number of buildings	Cost ($1,000)			
	Total	Urban	Rural		Total	Land	Buildings	Structures and facilities
Total	772,048				52,618,439			
Inside U.S. [1]	771,512	1,182	770,331	405,443	46,254,992	2,955,973	19,916,363	23,382,656
Agriculture	186,020	2	186,018	23,147	1,058,631	123,153	102,678	832,800
Atomic Energy Comm.	2,088	116	1,972	7,026	3,140,881	78,310	1,894,862	1,167,709
Commerce	8	2	5	902	174,625	26,493	63,767	84,365
Defense	29,714	1,001	28,713	320,097	31,298,481	1,737,321	14,392,996	15,168,164
Army	8,529	411	8,119	141,639	8,860,526	227,839	5,108,746	3,523,941
Air Force	12,464	119	12,345	93,353	9,562,312	159,329	5,201,695	4,201,288
Navy	3,548	435	3,113	79,909	8,073,445	288,112	4,000,750	3,784,583
Corps of Engineers, civil functions	5,173	36	5,137	5,196	4,802,198	1,062,041	81,805	3,658,352
General Services Adm.	18	7	12	2,175	1,294,720	204,904	1,037,074	52,742
Housing and Home Finance Agency	1	1	(2)	297	16,885	3,183	4,571	9,131
Interior	552,613	25	552,588	30,407	4,556,884	369,270	263,153	3,924,461
Post Office	2	2	(2)	3,063	489,486	102,103	387,383	
Tenn. Valley Authority	696	(2)	696	717	1,753,152	186,438	16,772	1,549,942
Treasury	85	4	81	3,960	209,205	11,216	110,913	87,076
Veterans Administration	29	15	14	7,565	1,195,145	37,827	996,254	161,064
Other	239	8	231	6,087	1,066,897	75,755	645,940	345,202
Outside U.S.	536				6,363,447			
Outlying areas	525				1,848,234			
Civilian agencies	429			4,255	667,422	25,704	101,550	540,168
Defense—military functions	96				1,180,078			
Army	16				133,155			
Navy	56				665,159			
Air Force	23				381,764	381,764		
Defense—Corps of Engineers, civil functions	(2)			20	734	100	529	105
In foreign countries	11				4,515,213			
Civilian agencies	11			2,827	288,027	51,113	172,370	64,544
Defense military functions					4,227,186			
Army					693,523			
Navy					542,378			
Air Force					2,991,285	2,991,285		

[1] Includes Alaska and Hawaii.
[2] Less than 500 acres.

No. 240. Federally Owned Land, by Predominant Usage, by Agency: 1960

[**In thousands of acres.** As of June 30. Includes Alaska and Hawaii]

Agency	Forest and wildlife	Grazing	Military, except airfields	Parks and historic sites	Reclamation and irrigation	Flood control and navigation	Power development	Airfields	Other
Total	513,501	166,717	18,335	22,350	8,015	5,492	1,917	2,034	33,151
Agriculture	166,053	19,328							638
Atomic Energy Commission									2,088
Defense			18,335			4,658	509	1,937	4,274
Army			6,573					5	1,951
Air Force			9,025					1,363	2,076
Navy			2,737					569	243
Corps of Engineers, civil functions						4,658	509		5
General Services Administration						(1)		(1)	18
Interior	347,448	147,388	(1)	22,350	8,015	23	1,383		26,004
Tennessee Valley Authority						662	25		9
Other			(1)		(1)	148		96	119

[1] Less than 500 acres.

Source of tables 239 and 240: General Services Administration; annual report, *Inventory Report on Real Property Owned by the United States Throughout the World.*

No. 241. Federal Real Property—Land and Buildings Owned and Leased and Annual Rental on Leased Property, By Location and Function: 1960

[As of June 30]

Location and function	Land, 1,000 acres			Buildings, floor area (1,000 sq. ft.)			Leased property	
	Total	Federally owned	Leased	Total	Federally owned	Leased	Number of leases	Annual rental ($1,000)
Total, worldwide	773,857	772,048	1,809	(1)	(1)	(1)	(1)	$174,310
Civil agencies	742,325	742,238	87	612,630	516,250	96,380	40,039	139,267
Defense:								
Military functions	26,337	24,637	1,700	(1)	(1)	(1)	(1)	34,491
Civil functions	5,195	5,173	22	11,617	11,378	239	229	552
In United States [2]	773,188	771,512	1,676	2,511,303	2,414,922	96,381	46,959	144,412
Civil agencies	741,882	741,798	84	571,767	486,090	85,677	36,443	123,946
Defense:								
Military functions	26,111	24,541	1,570	1,927,999	1,917,534	10,465	10,287	19,914
Civil functions	5,195	5,173	22	11,537	11,298	239	229	552
In outlying areas of United States	545	525	20	(1)	(1)	(1)	(1)	660
Civil agencies	431	429	2	14,272	13,946	326	194	509
Defense:								
Military functions	114	96	18	(1)	(1)	(1)	(1)	151
Civil functions				80	80			
In foreign countries	124	11	113	(1)	(1)	(1)	(1)	29,238
Civil agencies	12	11	1	26,591	16,214	10,377	3,402	14,812
Defense:								
Military functions	112		112	(1)	(1)	(1)	(1)	14,426
Civil functions								

[1] Not available.
[2] Includes Alaska and Hawaii.

Source: General Services Administration; annual report, *Inventory Report on Real Property Leased to the United States Throughout the World.*

No. 242. Disposal of Public Lands: 1901 to 1960

[For years ending June 30. Data include Alaska, except where noted. Period figures are totals, not averages. See also *Historical Statistics, Colonial Times to 1957*, series J 11-18]

Period or year	Cash receipts of Bureau of Land Management [1]	Land granted to States [2]	All entries, selections, patents, etc. [3]			Homestead entries, except on ceded Indian lands		
			All original entries and selections [4]	All final entries	Patents and certifications	Original entries		Final entries [5]
						Number	Acreage	
	1,000 dollars	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*Number*	*1,000 acres*	*1,000 acres*
1901-1910	94,095	20,300	196,841			831,841	130,737	38,819
1911-1920	67,023	6	156,402	[6] 9,778	[6] 13,327	554,026	123,826	74,316
1921-1930	104,454	409	61,231	45,513	66,358	172,503	53,460	40,391
1931-1940	57,984	478	19,269	14,243	18,350	44,554	15,925	13,017
1941-1945	58,428		404	1,057	3,350	1,233	159	764
1946-1950	141,464		496	436	1,726	2,456	306	156
1951-1955	497,482		1,101	1,029	2,081	2,259	289	220
1956-1960	959,451		2,075	1,353	3,466	3,899	501	233
1955	239,549		251	250	539	482	60	37
1956	212,217		151	267	629	455	57	40
1957	112,059		180	279	561	662	79	64
1958	127,385		146	257	915	524	70	43
1959	136,721		303	280	850	1,181	147	41
1960	371,069		1,295	270	511	1,077	148	45

[1] Comprises receipts from such sources as following: Sales of public and ceded Indian lands; fees and commissions; mineral rentals, royalties, and bonuses; sales of timber; grazing fees and rentals; and land rentals. For periods prior to 1901, receipts were $340,821,000.

[2] As of June 30, 1960, process of legal adjudication had not yet been completed for all grants, and small change in data for certain years may occur. For period 1802-1900, total land granted to States was 156,044,000 acres. Includes grants for such public purposes as following: Educational, penal, and other public institutions and buildings; bridges, reservoirs; and other internal improvements; reclamation of swamp and arid lands; experiment stations; recreation areas; wildlife and forestry areas; military camps; and payments of bonds issued by local governments. Excludes grants to aid in construction of railroads, wagon roads, canals, and river improvements, or acreage of swamplands lost to States, for which States received indemnity in cash. Excludes data for Alaska and also 10,000 acres because of the rounding process.

[3] Includes homesteads. [4] Includes some classes of final entries and patents prior to 1911.

[5] Excludes commuted homesteads. [6] 1920 only.

Source: Department of the Interior, Bureau of Land Management; *Annual Report of the Director* (Statistical Appendix), and records.

No. 243. Public Land, Homestead Entries—Acreage, by States: 1931 to 1960

[For years ending June 30. See text, pp. 181 and 182. See also *Historical Statistics, Colonial Times to 1957*, series J 17–18]

Item and State	1931–1935, total	1936–1940, total	1941–1945, total	1946–1950, total	1951–1955, total	1956–1960, total	1959	1960
Original entries, total	**15,266,771**	**659,350**	**158,567**	**305,839**	**288,906**	**501,092**	**146,767**	**147,917**
Alaska	38,659	58,718	59,559	171,759	178,285	393,678	130,967	142,569
Arizona	1,124,034	39,910	8,199	8,134	8,088	1,320	160	480
Arkansas	[1] 43,298	(2)	----	----	160	----	----	----
California	909,626	29,127	2,391	25,064	2,520	1,372	400	40
Colorado	1,028,298	58,501	7,533	10,503	12,582	1,870	761	----
Florida	[1] 9,554	(2)	----	----	320	40	----	----
Idaho	694,481	56,757	16,020	15,626	23,866	72,148	7,818	400
Minnesota	[1] 4,947	(2)	----	----	----	----	----	----
Montana	[3] 1,384,188	84,102	17,871	644	980	643	----	----
Nebraska	[1] 17,468	(2)	----	----	----	----	----	----
Nevada	97,670	1,832	1,812	2,314	13,203	12,595	2,220	1,200
New Mexico	4,387,629	94,337	13,817	1,378	1,618	2,236	720	1,040
North Dakota	79,152	1,860	875	(2)	----	----	----	----
Oregon	561,227	50,963	3,373	1,898	550	748	----	320
South Dakota	220,963	7,695	(2)	----	----	----	----	----
Utah	609,755	26,811	12,650	32,981	41,803	11,796	2,599	1,229
Washington	67,354	2,733	320	2,435	332	500	180	320
Wyoming	3,894,074	125,425	2,694	30,077	565	1,968	942	319
Bureau of Land Management [2]	94,395	20,579	11,453	3,026	4,034	178	----	----
Final entries [4]	6,233,399	6,783,129	764,204	156,904	220,458	178,495	37,964	43,273

[1] 1931 to 1933.
[2] Entries, if any, included with Bureau of Land Management, for States no longer having local offices.
[3] Includes entries of abandoned military reservations.
[4] Excludes commuted homesteads and ceded Indian lands.

Source: Department of the Interior, Bureau of Land Management; *Annual Report of the Director* (Statistical Appendix).

No. 244. Vacant Public Lands—Acreage, by States: 1900 to 1960

[**In thousands.** As of June 30. Vacant public lands are those which are unappropriated and unreserved. The former represent lands not covered by an entry, the latter, lands not reserved for some public purpose, i.e., available for entry or selection under appropriate laws. Data cover vacant public lands outside Alaska withdrawn for classification in furtherance of Taylor Grazing Act and for conservation and development of natural resources. See also *Historical Statistics, Colonial Times to 1957*, series J 10, for U.S. totals excluding Alaska]

State	1900 [1]	1910	1920	1930	1940 [2]	1950 [2]	1959 [2]	1960 [2]
Total	**917,136**	**711,987**	**553,102**	**527,145**	**502,826**	**440,408**	**438,271**	**437,877**
Alabama	359	108	37	(3)	16	27	4	3
Alaska	359,493	368,015	352,782	348,166	323,000	270,000	270,790	270,200
Arizona	50,287	41,491	18,269	15,181	13,869	12,545	12,453	12,586
Arkansas	3,493	513	277	191	130	134	1	3
California	42,468	24,865	19,586	16,623	16,969	16,306	15,701	15,673
Colorado	39,650	21,726	8,941	8,027	7,937	8,070	8,060	8,090
Florida	1,596	453	120	19	14	23	1	1
Idaho	43,287	24,744	8,805	10,618	11,879	10,858	11,213	11,640
Indiana	----	----	----	----	----	(4)	(4)	(4)
Kansas	1,197	137	4	(3)	3	3	1	1
Louisiana	442	89	14	(3)	6	7	14	11
Michigan	430	108	74	(3)	16	16	4	5
Minnesota	4,696	1,563	256	190	238	93	56	57
Mississippi	286	47	33	(3)	13	17	7	4
Missouri	338	3	(4)	(3)	(4)	1	(4)	(4)
Montana	67,963	36,016	5,974	6,602	6,460	6,773	6,386	6,385
Nebraska	9,799	1,879	67	23	29	25	6	6
Nevada	61,278	56,475	54,267	51,454	51,144	47,158	46,030	46,026
New Mexico	56,541	36,455	18,449	15,664	15,695	14,503	13,287	12,985
North Dakota	18,725	1,410	81	147	108	96	79	79
Oklahoma	5,734	5	7	(3)	23	25	23	23
Oregon	34,378	17,581	14,007	13,069	12,774	13,298	13,108	13,153
South Dakota	11,931	4,563	288	440	279	290	273	272
Utah	42,967	35,956	29,992	23,881	25,734	23,033	24,292	24,097
Washington	11,126	3,196	1,087	921	577	487	357	365
Wisconsin	314	14	5	(3)	6	6	1	2
Wyoming	48,358	34,575	19,680	15,929	15,907	16,615	16,124	16,210

[1] Exclusive of Cherokee Strip, containing 8,004,644 acres, and all other lands owned or claimed by Indians in Indian Territory west of ninety-sixth degree of longitude.
[2] Includes acreage of public lands within grazing districts, as follows: 1940, 131,926,135; 1950, 134,874,876; 1959, 141,283,791; 1960, 141,644,850. [3] Data not tabulated. [4] Less than 500 acres.

Source: Department of the Interior, Bureau of Land Management; *Annual Report of the Director* (Statistical Appendix), and records.

No. 245. Public and Indian Land, Entries Under All Acts—Acreage, by States: 1936 to 1960

[For years ending June 30. See text, pp. 181 and 182. See also *Historical Statistics, Colonial Times to 1957*, series J 13–15]

Class and state	Original entries							Final entries, 1960	Patented, 1960
	1936–1940, total	1941–1945, total	1946–1950, total	1951–1955, total	1956–1960, total	1959	1960		
Total	**1,036,849**	**404,409**	**496,287**	**1,100,665**	**2,075,680**	**302,916**	**1,295,499**	**270,343**	**511,467**
Public land	987,684	400,239	480,487	1,092,480	2,075,680	302,916	1,295,499	269,490	505,651
Indian land	49,165	4,169	15,800	8,184				853	5,816
All homesteads	708,410	162,736	321,638	297,090	501,092	146,767	147,917	45,097	43,845
Stock-raising	472,920	25,488	3,192	2,515					
Other entries	328,439	241,673	174,649	803,574	1,574,588	156,149	1,147,582	225,246	467,622
Alaska	59,034	66,695	171,810	178,285	1,358,048	131,958	1,103,219	16,548	53,899
Arizona	80,874	25,157	43,832	51,814	187,648	77,043	83,093	23,640	86,788
California	209,426	89,631	59,572	112,097	40,638	4,933	7,774	36,230	39,002
Colorado	107,578	10,209	45,484	93,435	22,379	1,981	80	32,261	43,710
Idaho	57,488	21,573	32,543	219,567	178,416	22,517	23,609	45,255	45,121
Montana	84,619	20,929	1,802	1,524	4,408	769	2,636	17,369	18,884
Nevada	2,831	7,851	6,900	307,922	157,329	27,161	36,829	21,590	26,415
New Mexico	176,942	33,435	4,733	12,350	17,167	5,081	4,015	23,775	28,887
Oregon	53,878	5,136	2,068	22,353	12,728	614	704	1,195	75,072
Utah	27,091	99,689	71,966	76,403	23,972	5,193	1,530	6,765	13,035
Washington	3,333	760	5,104	750	40,342	17,940	22,402	3,948	11,699
Wyoming	138,074	9,830	47,175	18,753	31,990	7,726	9,331	35,821	36,618
Other States	35,681	13,514	3,298	5,412	615		277	5,946	32,337

Source: Department of the Interior, Bureau of Land Management; *Annual Report of the Director* (Statistical Appendix).

No. 246. Public and Indian Land, Entries and Patents—Acreage: 1958 to 1960

[For years ending June 30. Data include Alaska. See also *Historical Statistics, Colonial Times to 1957*, series J 13–15, for grand totals for earlier years]

Class	1958			1959			1960		
	Original entries	Final entries	Patented entries	Original entries	Final entries	Patented entries	Original entries	Final entries	Patented entries
Total	**145,903**	**256,758**	**915,318**	**302,916**	**279,892**	**850,083**	**1,295,499**	**270,343**	**511,467**
Homesteads	69,641	43,294	27,175	146,767	41,507	40,816	147,917	45,097	43,845
Stockraising		640							
Enlarged	3,426	4,685	4,760	3,399	4,759	5,278	1,709	3,376	3,254
Reclamation	25,717	29,042	13,871	8,099	21,501	19,051	639	25,922	23,734
Forest									
Commuted		4,290							
Sec. 2289, original act, et al	40,498	4,637	8,544	135,269	15,248	16,486	145,569	15,799	16,857
Deserts	32,692	36,903	35,195	41,707	38,603	42,641	53,868	39,631	40,215
Public auction		104,207	132,251		119,563	120,096		93,076	99,225
State selection	14,494		[1] 404,948	93,526		[1] 114,733	1,007,688		[1] 39,018
Mineral	7,159	7,266	22,435	8,229	15,283	15,024	64,011	29,411	28,015
Exchange			188,095			411,134			164,689
Miscellaneous	21,918	65,088	105,219	12,687	64,936	105,639	22,015	63,128	96,460

[1] Includes certifications: 1958, 85,372 acres; 1959, 86,212 acres; 1960, 80,268 acres.

Source: Department of the Interior, Bureau of Land Management; *Annual Report of the Director* (Statistical Appendix).

No. 247. Indian Lands Under Jurisdiction of Bureau of Indian Affairs—Acreage, by States: 1900 to 1960

[In thousands]

STATE	1900	1920	1940	1949 [1]	1960 [1] Total	Trust allotted	Tribal	Government owned
Total	78,372	71,399	55,406	56,005	58,076	[2] 12,233	41,227	4,616
Alaska	(3)	(3)	(3)	(3)	4,168	8	88	4,072
Arizona	15,151	18,653	[4] 19,225	19,457	21,515	260	21,231	24
California	406	517	667	548	558	68	490	(5)
Colorado	484	469	667	731	752	5	746	1
Florida	23	24	61	80	79		79	
Idaho	1,365	683	818	865	835	396	396	43
Iowa	3	3	3	5	4		4	(5)
Kansas	28	273	36	36	29	27	2	(5)
Louisiana					(5)	(5)	(5)	
Michigan	8	153	27	26	22	10	8	4
Minnesota	1,567	1,509	653	863	756	57	670	29
Mississippi			9	15	16	(5)	16	(5)
Missouri					(5)	(5)		
Montana	9,501	6,054	6,455	6,502	5,457	3,751	1,578	128
Nebraska	75	360	76	28	68	[2] 54	14	(5)
Nevada	954	741	1,127	1,141	1,152	82	1,062	8
New Mexico	1,667	4,697	7,153	6,717	6,542	648	5,815	79
New York	88	88		86				
North Carolina	98	63	57	56	56		56	(5)
North Dakota	3,702	2,105	1,036	1,094	879	756	116	7
Oklahoma	26,397	19,552	2,844	2,469	1,855	[2] 1,756	59	40
Oregon	1,300	1,718	1,737	1,733	1,238	200	1,037	1
Pennsylvania				1				
South Carolina					3		3	
South Dakota	8,992	6,686	5,865	5,780	5,064	3,082	1,842	140
Texas				4	(5)	(5)		
Utah	2,039	1,641	1,693	2,510	2,125	78	2,047	(5)
Washington	2,334	2,719	2,740	2,724	2,591	772	1,819	(5)
Wisconsin	381	590	445	453	422	90	293	39
Wyoming	1,810	2,102	2,013	2,081	1,890	133	1,756	1

[1] Taxable lands generally excluded.
[2] Includes taxable land as follows: 36,482 acres for Nebraska and 308,578 acres for Oklahoma.
[3] Not available.
[4] Excludes 495,578 acres of land in litigation lost to A.T. & S. Fe Railroad.
[5] Less than 500 acres.

Source: Department of the Interior, Bureau of Indian Affairs; *Annual Report*, and records.

No. 248. Public Lands—Leases, Permits, and Licenses Outstanding, by Class: 1960

[As of June 30. Data include Alaska. For oil and gas leases for earlier years, see also *Historical Statistics, Colonial Times to 1957*, series J 32-33]

CLASS	Number	Acres
Mineral class [1]	142,637	120,301,163
Leases [1]	140,602	116,281,200
Oil and gas [1]	140,079	115,811,541
Barite	2	720
Coal	294	199,272
Manganese	1	302
Potash	98	159,978
Phosphate	78	54,093
Sodium	33	48,363
Silica sands	3	641
Tungsten	4	920
Uranium	10	5,370
Permits [1]	2,035	4,019,963
Coal	198	351,012
Copper, nickel, and uranium	23	21,375
Gravel	2	80
Phosphate	1	38
Potash	825	1,648,644
Sodium	986	1,998,814
Licenses	22	827
Coal	22	827
Other classes [2]	(3)	19,529,090
Leases	19,010	18,615,066
Grazing, Taylor Act	9,645	16,864,820
Grazing, Alaska	63	1,233,197
Grazing, Oregon and California	203	434,451
Fur farm, Alaska	4	22,610
Aviation	37	19,382
Mineral or medicinal spring	2	201
Recreational	61	6,877
Water well	11	366
Campsite	2	90
Small tract	8,982	33,072
Permits [2]	(3)	914,024
Special land use	(3)	914,024

[1] Excludes the following on acquired lands: Oil and gas, 6,798 leases (4,897,886 acres); and various minerals, 321 permits (200,745 acres); includes 1,858,129 acres of outer Continental Shelf leases.
[2] Excludes grazing licenses and permits within grazing districts, 18,976 (159,657,824 acres).
[3] Not available.

Source: Department of the Interior, Bureau of Land Management; *Annual Report of the Director* (Statistical Appendix).

No. 249. Receipts Under Mineral Leasing Act of Feb. 25, 1920, Through 1960, and Mineral Leases in Force, 1960, by States

[**Money figures in thousands of dollars.** Excludes leasing activities of agencies other than Bureau of Land Management. Receipts under all mineral-leasing acts administered by Bureau of Land Management amounted to $882,850,859 in 1960, including those shown here and receipts of $434,731,179 from outer Continental Shelf activities]

STATE	RECEIPTS (years ending June 30)							LEASES IN FORCE, JUNE 30, 1960[1]	
	Total	1920–1955, total	1956	1957	1958	1959	1960	Number	Acres
Total	**883,301**	**500,450**	**61,586**	**72,284**	**81,355**	**83,534**	**84,091**	**140,602**	**116,281,200**
Alabama	244	230	1	6	3	2	2	102	14,680
Alaska	14,431	710	469	839	3,644	5,704	3,065	16,560	34,923,666
Arizona	3,001	705	65	699	443	413	676	3,929	3,640,155
Arkansas	254	48	17	13	38	76	62	341	269,964
California	164,603	124,804	8,584	8,321	8,843	7,552	6,499	4,855	1,805,983
Colorado	104,387	52,357	10,073	11,820	11,293	9,690	9,154	13,307	10,521,313
Florida	6	4	(2)	1	1	------	------	51	136,694
Idaho	2,866	1,101	372	595	265	296	237	466	647,924
Indiana	------	------	------	------	------	(2)	------	1	320
Kansas	1,660	744	108	121	137	228	322	174	56,922
Louisiana	2,671	1,268	247	314	314	270	258	862	1,783,053
Michigan	67	51	4	3	5	2	2	42	5,790
Mississippi	59	29	5	8	5	6	6	272	26,188
Montana	39,734	20,029	2,636	3,592	4,197	4,694	4,586	8,315	6,767,990
Nebraska	186	108	22	9	14	15	18	172	54,723
Nevada	8,050	5,224	1,030	529	439	400	428	2,933	1,257,189
New Mexico	131,504	62,081	9,885	12,366	14,782	14,787	17,603	13,684	10,184,616
North Dakota	2,540	1,458	197	241	213	211	220	960	323,698
Oklahoma	746	403	54	61	54	73	101	693	168,496
Oregon	799	377	131	40	68	38	145	480	378,324
South Dakota	2,194	1,008	285	250	226	153	272	1,068	938,920
Texas	------	------	------	------	------	------	------	64	277,920
Utah	49,292	20,492	3,774	5,448	5,402	6,908	7,268	29,527	18,221,660
Washington	186	121	24	12	26	1	2	52	30,365
Wyoming	353,820	207,098	23,603	26,996	30,943	32,015	33,165	41,692	23,844,647

[1] Data for all leases except those on acquired lands. See footnote 1, table 248.
[2] Less than $500.

Source: Department of the Interior, Bureau of Land Management; *Annual Report of the Director* (Statistical Appendix).

No. 250. Grazing Districts—Acreage, Permitted Operators, and Use: 1958 to 1960

[Acreage as of June 30; other data for fiscal year. Grazing districts are Bureau of Land Management administrative subdivisions of vacant public range lands, as authorized by the Taylor Grazing Act of June 28, 1934, as amended. See also *Historical Statistics, Colonial Times to 1957*, series J 29, for livestock usage for earlier years]

STATE	AREA (1,000 acres)			OPERATORS (number)			ANIMAL-UNITS-MONTHS OF USE[1] (1,000)					
							Livestock			Wildlife		
	1958	1959	1960	1958	1959	1960	1958	1959	1960	1958	1959	1960
Total	**159,886**	**161,687**	**141,645**	**18,203**	**18,185**	**18,371**	**14,798**	**14,750**	**15,265**	**1,387**	**1,490**	**1,570**
Arizona	12,771	12,932	10,529	562	999	542	611	611	781	31	47	46
California	3,960	3,976	2,609	348	336	395	374	386	405	40	36	34
Colorado	8,024	8,064	7,490	1,675	1,689	1,660	799	782	774	321	334	357
Idaho	12,686	12,656	11,075	2,573	2,458	2,460	1,413	1,398	1,408	147	137	146
Montana	6,334	7,805	5,206	2,553	2,402	3,039	910	897	1,291	67	66	84
Nevada	47,461	47,676	42,443	1,052	1,008	974	3,194	3,139	3,133	181	192	175
New Mexico	14,075	13,995	12,738	3,983	4,040	4,035	2,089	2,153	2,238	40	42	40
Oregon	13,710	13,674	12,372	1,168	1,061	1,131	1,129	1,125	1,112	170	159	165
Utah	26,252	26,299	23,998	3,002	2,918	2,900	2,340	2,334	2,344	252	344	358
Wyoming	14,613	14,610	13,185	1,287	1,274	1,235	1,939	1,925	1,779	138	133	165

[1] Animal-unit-month is the amount of forage necessary for the complete sustenance of 1 animal-unit (i.e., 1 cow or ½ horse or 5 sheep or 5 goats) for a period of 1 month.

Source: Department of the Interior, Bureau of Land Management; *Annual Report of the Director* (Statistical Appendix).

No. 251. National Parks, Monuments, and Allied Areas—Number, Acreage, and Visits: 1950, 1955, and 1960

[Areas and acreage as of June 30, except as noted; visits, year ending December 31. Includes data for 2 areas in Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1957*, series H 455-570]

Type of area	1950			1955			1960		
	Number of areas	Federal acreage (1,000)	Visits (1,000)	Number of areas	Federal acreage (1,000)	Visits (1,000)	Number of areas [1]	Federal acreage[1] (1,000)	Visits [2] (1,000)
Total	**182**	**23,882**	**33,253**	**181**	**23,899**	**50,009**	**187**	**25,705**	**79,229**
National Park System	177	21,855	30,701	177	21,879	46,088	183	22,491	75,579
National parks	28	12,222	13,919	28	12,670	18,830	29	13,208	26,630
National historical parks	5	10	1,391	6	12	3,402	8	32	6,268
National monuments	86	9,439	5,310	84	8,976	7,953	83	8,981	10,692
National military parks	11	24	1,861	11	25	2,672	12	30	5,922
National memorial park	1	58	71	1	69	125	1	69	223
National battlefield							1	(3)	34
National battlefield parks	2	4	93	3	5	275	3	6	548
National battlefield sites	6	(3)	149	6	(3)	271	5	(3)	288
National historic sites	13	3	928	11	1	679	12	2	1,308
National memorials	10	2	4,980	11	4	5,177	14	5	7,271
National cemeteries	10	(3)	3	10	(3)	3	10	(3)	3
National seashore recreational area							1	25	467
National parkways	4	64	1,996	5	82	[4] 6,700	3	94	8,983
National Capital Parks	1	29	(5)	1	35		1	39	6,941
National recreation areas	5	2,026	2,551	4	2,020	3,920	4	3,214	3,650

[1] As of Jan. 1, 1961.
[2] New series, not comparable with previous years. New series adjusted to old base produces estimate of 72,768,000.
[3] Less than 500 acres.
[4] Blue Ridge and Natchez Trace Parkways visitors. No record for other 1 parkway.
[5] Visits not recorded until 1951.

Source: Department of the Interior, National Park Service; annual report, *Areas Administered by the National Park Service* and *Public Use, National Parks and Related Areas*.

No. 252. Visits to Areas Administered by the National Park Service, 1921 to 1960, and to Individual National Parks, 1960

[**Visits in thousands.** Visits, for years ending September 30 through 1940, thereafter, years ending December 31; acreage as of December 31, 1960. Includes data for Alaska, Hawaii, Puerto Rico, and Virgin Islands. See also *Historical Statistics, Colonial Times to 1957*, series H 457]

Period	Visits, annual average	Period	Visits, annual average	Year	Visits	Year	Visits [1]
1921-1925	1,522	1941-1945	11,498	1951	37,106	1956	61,602
1926-1930	2,927	1946-1950	28,427	1952	42,300	1957	68,016
1931-1935	4,959	1951-1955	44,695	1953	46,225	1958	65,461
1936-1940	15,148	1956-1960 [2]	68,642	1954	47,834	1959	68,900
				1955	50,009	1960 [2]	79,229

Park	State or other area	1960		Park	State or other area	1960	
		Federal acreage	Visits [2]			Federal acreage	Visits [2]
Acadia	Maine	31,287	1,638	Mammoth Cave	Ky	50,696	519
Big Bend	Tex	700,221	76	Mesa Verde	Colo	51,018	226
Bryce Canyon	Utah	36,010	272	Mount McKinley	Alaska	1,939,354	23
Carlsbad Caverns	N. Mex	45,847	537	Mt. Rainier	Wash	241,571	1,539
Crater Lake	Oreg	160,290	398	Olympic	Wash	888,558	1,160
Everglades	Fla	1,301,349	579	Platt	Okla	912	1,150
Glacier	Mont	1,009,111	725	Rocky Mountain	Colo	256,469	1,532
Grand Canyon	Ariz	673,203	1,187	Sequoia	Calif	385,419	611
Grand Teton	Wyo	302,256	1,430	Shenandoah	Va	193,178	1,780
Great Smoky Mountains	N.C.-Tenn	509,148	4,529	Virgin Islands	Virgin Is	5,180	27
Hawaii	Hawaii	196,041	771	Wind Cave	S. Dak	78,053	865
Hot Springs	Ark	989	719	Yellowstone	Wyo.-Mont.-Idaho	2,213,207	1,443
Isle Royale	Mich	539,339	6	Yosemite	Calif	758,093	1,150
Kings Canyon	Calif	453,768	760	Zion	Utah	132,470	576
Lassen Volcanic	Calif	105,110	402				

[1] Beginning 1956, includes visits to National Capital parks.
[2] New series, not comparable with previous years. New series adjusted to old base produces estimate of 72,768,000.

Source: Department of the Interior, National Park Service; annual report, *Areas Administered by the National Park Service*, and *Public Use, National Parks and Related Areas*.

No. 253. State Park Systems—Summary: 1946 to 1959

[For years ending June 30, in most cases. Beginning 1959, includes Alaska and Hawaii. Number of agencies which reported varies from year to year. Covers parks, historic sites, and parkways reported by State park and State historical agencies. See also *Historical Statistics, Colonial Times to 1957*, series H 475-487]

ITEM	1946	1950	1955	1957	1958	1959
Areas [1] ..... number	1,531	1,725	2,034	2,216	2,335	2,433
Acreage [1] 1,000	4,634	4,657	5,086	5,248	5,406	5,681
Expenditures [2] $1,000	15,445	36,399	55,093	74,008	73,222	88,268
Salaries and wages ..... do	5,556	13,622	22,673	27,844	31,730	33,548
Supplies and equipment ..... do	3,161	7,738	11,351	13,779	15,260	17,383
Lands ..... do	3,204	2,651	5,523	4,809	7,555	14,834
Improvements ..... do	2,304	12,364	15,293	27,526	18,632	22,432
Funds available for expenditures ..... do	20,711	52,283	69,075	[2] 124,077	135,060	139,341
Appropriations ..... do	17,123	28,421	43,382	89,309	73,626	65,283
Other ..... do	3,588	23,862	25,693	33,049	61,433	73,767
Revenue from operations ..... do	4,118	6,646	13,817	15,987	18,235	20,773
Attendance 1,000	[2] 92,507	114,291	[2] 183,188	216,780	237,329	255,310
Day visits ..... do	88,923	108,212	169,123	201,881	220,206	237,316
Overnight visits ..... do	3,139	6,079	[2] 11,057	[2] 14,899	[2] 17,123	[2] 17,994
Cabins and hotels ..... do	1,083	1,223	1,576	1,836	1,753	1,944
Organized camps ..... do	1,001	1,480	1,697	2,209	2,075	2,096
Tent and trailer camps ..... do	1,055	3,377	7,650	10,571	13,074	13,734
Personnel ..... number	6,650	10,626	13,637	15,442	16,673	16,690
Professional ..... do	(3)	401	373	498	536	607
Year-round ..... do	2,771	4,191	5,657	6,301	6,691	6,966
Seasonal ..... do	3,879	6,435	7,980	9,141	9,982	9,724
Land acquisition ..... acres	121,590	62,042	70,148	[2] 63,398	[2] 158,780	[2] 251,689
By purchase ..... do	46,255	18,236	13,750	29,119	17,573	52,801
By gift ..... do	1,415	4,586	35,724	9,851	10,300	17,740
By other means ..... do	73,920	39,220	20,674	24,419	122,841	175,321

[1] Excludes State forests, wildlife refuges, and waysides not administered by State park agencies.
[2] Includes data for which the detailed breakdown is not available. [3] Not available.

Source: Department of the Interior, National Park Service; annual report, *State Park Statistics*.

No. 254. State Park Systems—Areas, Acreage, Visits, and Expenditures, by States: 1959

[Areas and acreage as of December 31; visitors, year ending December 31. See also headnote, table 253]

STATE	Areas	Acreage	Visits	Expenditures
			1,000	*$1,000*
U.S.	**2,433**	**5,680,909**	**[1] 255,310**	**[1] 88,268**
Alabama	47	42,691	2,846	390
Alaska	50	1,707	270	133
Arizona	2	4	(2)	43
Arkansas	14	19,114	2,023	468
California	159	677,007	22,196	21,757
Colorado	11	6,964	314	136
Connecticut	73	21,297	4,828	1,089
Delaware	5	3,745	468	130
Florida	50	72,737	3,260	1,091
Georgia	44	60,083	3,172	760
Hawaii	20	5,827	268	84
Idaho	26	17,465	687	117
Illinois	75	42,772	8,447	3,467
Indiana	34	43,723	3,011	1,245
Iowa	92	29,715	7,359	1,359
Kansas	50	90,491	2,785	1,105
Kentucky	27	19,018	4,421	2,409
Louisiana	17	12,218	1,611	514
Maine	32	204,361	616	303
Maryland	19	16,855	4,712	671
Massachusetts	43	31,516	7,226	2,695
Michigan	58	181,965	19,975	2,162
Minnesota	69	99,533	2,935	822
Mississippi	15	13,635	998	316
Missouri	33	73,775	4,962	1,113
Montana	21	6,490	320	99
Nebraska	64	28,213	3,662	381
Nevada	9	9,895	70	65
New Hampshire	39	43,034	2,219	1,471
New Jersey	41	22,801	4,772	1,996
New Mexico	13	5,387	1,003	185
New York	137	2,701,199	34,990	18,646
North Carolina	21	36,268	1,571	753
North Dakota	61	4,393	437	109
Ohio	113	92,069	17,763	4,175
Oklahoma	34	53,762	9,149	2,138
Oregon	174	59,490	10,836	1,981
Pennsylvania	156	166,116	21,169	3,717
Rhode Island	45	8,425	2,604	587
South Carolina	26	45,972	3,068	348
South Dakota	54	91,085	4,550	395
Tennessee	20	131,325	3,789	1,981
Texas	60	62,301	6,269	614
Utah	17	7,030	500	66
Vermont	28	8,055	668	192
Virginia	13	24,364	1,171	310
Washington	119	73,195	7,065	1,855
West Virginia	25	40,711	1,971	1,186
Wisconsin	37	19,106	5,844	609
Wyoming	41	152,005	463	31

[1] 92 agencies reporting.
[2] Not reported.

Source: Department of the Interior, National Park Service; annual report, *State Park Statistics*.

No. 255. Municipal Parks—Number, Acreage, Leadership, and Selected Facilities: 1930 to 1955

[For cities of 100,000 inhabitants or more in 1950. Includes Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series H 488–499]

ITEM	1930	1935	1940	1946	1950	1955
Parks:						
Number	6,368	6,989	8,339	(1)	8,671	9,558
Acreage	201,067	228,093	267,753	(1)	301,492	323,049
Recreation leadership:						
Leaders, total	16,249	12,604	14,768	20,130	27,712	31,649
Full time, year-round	2,028	2,111	2,703	3,561	4,571	5,454
Playgrounds under leadership	4,236	4,386	5,165	5,288	6,426	7,113
Selected facilities:						
Ball diamonds	2,139	2,027	2,023	2,075	7,967	8,919
Bathing beaches	135	143	164	175	158	158
Golf courses	168	197	201	190	222	225
Outdoor swimming pools	387	402	449	550	549	695
Tennis courts	5,120	5,534	7,003	6,390	6,328	6,039
Recreation buildings	426	707	961	969	1,419	1,718
Indoor recreation centers	1,422	2,048	2,080	1,737	2,617	3,758

[1] Not available.

Source: Resources for the Future, Inc., Washington, D.C.; *Statistics on Outdoor Recreation*. (Figures are based on reports of the National Recreation Association.)

No. 256. Nonurban Public Designated Outdoor Recreation Areas, by Level of Government, Type of Management Agency, and Size Category: 1960

[Excludes Alaska and Hawaii. Figures are preliminary. Comprises publicly owned and managed land and water areas, outside of city limits, upon which recreation, including hunting and fishing, is a recognized use. Includes the entire acreage of National, State, county, and local parks, monuments, historic sites, memorials, geologic areas, archaeological areas, forests, recreation areas, public hunting and shooting grounds, water access areas, fish hatcheries, and wildlife refuges where the public is permitted to engage in recreation activities]

TYPE OF MANAGEMENT AGENCY AND SIZE OF AREA	TOTAL		FEDERAL		STATE		COUNTY AND LOCAL	
	Number of areas	Acreage (1,000)	Number of areas	Acreage (1,000)	Number of areas	Acreage (1,000)	Number of areas	Acreage (1,000)
Total	**7,872**	**239,838**	**1,157**	**198,680**	**5,565**	**36,624**	**1,150**	**4,534**
TYPE OF AGENCY [1]								
Park agencies	2,458	23,472	193	18,061	1,758	5,061	507	350
Forest agencies	715	181,328	229	162,556	457	16,576	29	2,196
Fish and wildlife agencies [2]	3,164	21,400	366	8,764	2,714	12,485	84	151
Water development agencies [3]	774	10,791	356	9,283	295	1,200	123	308
Other agencies [4]	761	2,847	13	16	341	1,302	407	1,529
SIZE OF AREA								
40 acres and under	2,386	29	105	2	1,783	21	498	6
41 to 100 acres	833	57	49	3	638	43	146	10
101 to 500 acres	1,619	403	127	32	1,268	313	224	58
501 to 1,000 acres	695	507	82	62	527	384	86	60
1,001 to 5,000 acres	1,100	2,576	223	571	760	1,729	117	276
5,001 to 10,000 acres	336	2,419	101	733	214	1,540	21	147
10,001 to 25,000 acres	300	4,794	116	1,883	159	2,543	25	368
25,001 to 100,000 acres	299	15,687	144	7,215	134	7,423	21	1,050
100,001 to 1,000,000 acres	229	82,782	138	61,282	79	18,940	12	2,559
Over 1,000,000 acres	75	130,584	72	126,897	3	3,687	----------	----------

[1] The department, bureau, division, or board specifically charged with management of the resource for recreation purposes.
[2] Includes a few divisions or departments whose responsibility is general conservation, rather than concern for a specific function.
[3] Includes Corps of Engineers, Bureau of Reclamation, and Tennessee Valley Authority; at the State and local level, includes flood control, watershed management, drainage and reclamation, and water supply agencies.
[4] Includes land offices, city administrations, schools, historical societies, special districts, and agencies not elsewhere classified.

Source: Outdoor Recreation Resources Review Commission; *Progress Report*, January 1961.

No. 257. National Forests—Recreational Use by Visitors, by Primary Purpose: 1950 to 1960

[In thousands. Includes Alaska and Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series H 471–474]

USE AND PURPOSE	1950	1954	1955	1956	1957	1958	1959	1960
Total visits for recreational use	**27,368**	**40,304**	**45,713**	**52,556**	**60,957**	**68,450**	**81,521**	**92,595**
To areas improved by public funds	13,061	19,747	22,317	25,053	27,770	31,428	33,542	35,504
To other public areas (unimproved) [1]	14,307	20,557	23,396	27,503	33,187	37,022	47,979	57,091
Visits, by primary purpose:								
General enjoyment of forest areas	7,969	10,517	12,444	14,190	16,634	18,246	23,538	30,181
Picnicking	6,326	9,908	10,883	12,822	14,742	16,126	19,296	19,497
Fishing	4,885	7,404	8,278	9,499	11,000	12,246	13,301	14,535
Hunting	2,285	3,688	4,064	4,436	5,168	5,589	6,838	7,591
Camping	1,534	2,381	2,723	3,516	4,289	4,934	5,681	6,579
Winter sports	1,517	2,238	2,769	2,673	2,760	4,022	3,986	4,499
Swimming	902	1,320	1,368	1,609	1,809	2,028	2,520	2,801
Hiking and riding	635	1,020	1,053	1,353	1,457	1,613	1,786	2,018
Other	1,315	1,828	2,130	2,458	3,098	3,646	4,575	4,894

[1] Includes a few public areas improved by non-Federal means.

Source: Department of Agriculture, Forest Service.

No. 258. National Forests—Number of Sportsman Users and Hunter-Take of Big Game Animals, 1950 to 1959, and by States, 1959

[Includes Alaska]

YEAR AND STATE	Fishermen	Hunters	Big-game hunter-take [1]
1950	4,885,000	2,285,000	358,000
1951	5,099,000	2,656,000	416,000
1952	5,931,000	2,985,000	408,000
1953	6,803,000	3,162,000	452,000
1954	7,404,000	3,688,000	479,000
1955	8,278,000	4,064,000	518,000
1956	9,570,000	4,350,000	541,000
1957	10,890,000	4,830,000	562,000
1958	12,245,000	5,590,000	589,000
1959			
Total	**13,293,000**	**6,838,000**	**659,000**
Alabama	31,000	47,000	800
Alaska	162,000	102,000	13,000
Arizona	614,000	186,000	26,000
Arkansas	750,000	122,000	1,700
California	2,034,000	967,000	42,000
Colorado	1,569,000	269,000	74,000
Florida	190,000	130,000	1,600
Georgia	100,000	96,000	1,100
Idaho	755,000	347,000	48,000
Illinois	46,000	61,000	800
Indiana	9,000	28,000	170
Kentucky	170,000	118,000	250
Louisiana	40,000	51,000	1,200
Maine	6,000	1,500	120
Michigan	397,000	295,000	28,000

STATE	Fishermen	Hunters	Big-game hunter-take [1]
1959—Con.			
Minnesota	775,000	118,000	18,000
Mississippi	147,000	237,000	1,500
Missouri	230,000	292,000	4,600
Montana	522,000	401,000	62,000
Nebraska	100	200	990
Nevada	43,000	48,000	12,000
New Hampshire	74,000	33,000	650
New Mexico	203,000	147,000	29,000
North Carolina	192,000	123,000	2,600
North Dakota	----------	----------	7,600
Ohio	37,000	39,000	310
Oklahoma	8,000	11,000	55
Oregon	877,000	363,000	73,000
Pennsylvania	200,000	205,000	5,900
South Carolina	65,000	69,000	380
South Dakota	308,000	65,000	12,000
Tennessee	194,000	171,000	830
Texas	48,000	115,000	580
Utah	654,000	251,000	93,000
Vermont	10,000	19,000	960
Virginia	402,000	589,000	15,000
Washington	487,000	314,000	21,000
West Virginia	352,000	170,000	5,600
Wisconsin	176,000	110,000	14,000
Wyoming	416,000	128,000	39,000

[1] Comprises deer, elk, bear, antelope, moose, mountain goat, bighorn, peccary, and wild boar, of which 587,000 were deer in 1959.

Source: Department of Agriculture, Forest Service.

No. 259. Fishermen and Hunters, by Geographic Division, Sex, and Age: 1955

[In thousands of persons 12 years old and over. Based on a sample of approximately 20,000 households. For composition of divisions, see figure I, p. XII]

Division, sex, and age	Total persons who fished or hunted or both	Persons who fished and hunted	Fishermen only	Hunters only	On trips lasting more than 1 day	
					Fishermen	Hunters
United States [1]	24,917	7,680	13,133	4,104	6,584	2,445
By division:						
New England	1,224	367	635	222	292	103
Middle Atlantic	3,539	880	1,931	728	687	367
East North Central	5,489	1,632	2,951	906	1,731	527
West North Central	2,913	967	1,379	567	763	226
South Atlantic	3,223	1,031	1,774	418	524	125
East South Central	1,963	691	974	298	295	58
West South Central	2,560	842	1,395	323	719	157
Mountain	1,369	539	573	257	515	205
Pacific [1]	2,637	731	1,521	385	1,058	677
By sex: [2]						
Male	16,293	6,320	6,618	3,355	4,339	2,110
Female	4,836	271	4,418	147	1,441	116
By age group:						
12 to 17 years	3,788	1,089	2,097	602	804	219
18 to 24 years	2,517	892	913	712	500	305
25 to 34 years	5,104	1,912	2,382	810	1,338	631
35 to 44 years	5,978	1,873	3,304	801	1,899	698
45 to 64 years	6,272	1,667	3,592	1,013	1,783	544
65 years and over	1,258	247	845	166	260	48

[1] Excludes Alaska and Hawaii. [2] Persons 18 years old and over.

Source: Department of the Interior, Fish and Wildlife Service; *National Survey of Fishing and Hunting.*

No. 260. Number and Cost of State Fishing and Hunting Licenses, by States 1959

[For year ending June 30. Excludes Migratory Waterfowl Stamps (Duck Stamps)]

State	Paid license holders [1] (1,000)		Cost of licenses [2] ($1,000)		State	Paid license holders [1] (1,000)		Cost of licenses [2] ($1,000)	
	Fishing	Hunting	Fishing	Hunting		Fishing	Hunting	Fishing	Hunting
United States	20,007	15,189	50,375	57,811	Missouri	666	406	1,816	1,487
					Montana	233	194	494	1,176
Alabama	512	306	785	681	Nebraska	192	185	455	725
Alaska	52	31	127	66	Nevada	58	38	253	598
Arizona	210	104	568	623	New Hampshire	134	88	440	595
Arkansas	490	225	1,206	735	New Jersey	154	194	602	814
California	1,476	608	6,230	3,641	New Mexico	143	101	542	723
Colorado	406	328	1,459	2,674	New York	951	1,035	2,205	2,632
Connecticut	109	55	418	202	North Carolina	229	387	863	1,096
Delaware	12	24	22	61	North Dakota	87	112	94	451
Florida	521	161	1,053	988	Ohio	876	693	1,208	1,147
Georgia	501	228	669	533	Oklahoma	470	208	1,048	524
Hawaii	2	5	5	26	Oregon	403	288	1,241	1,647
Idaho	245	190	949	916	Pennsylvania	647	987	2,132	4,369
Illinois	699	508	1,513	1,938	Rhode Island	16	11	53	38
Indiana	741	604	1,047	813	South Carolina	278	167	541	499
Iowa	383	363	753	822	South Dakota	139	195	264	1,220
Kansas	255	230	522	573	Tennessee	791	419	1,137	867
Kentucky	395	272	970	991	Texas	826	451	1,776	1,472
Louisiana	192	276	259	302	Utah	195	179	559	1,423
Maine	220	177	781	1,031	Vermont	112	100	266	465
Maryland	97	166	330	640	Virginia	403	415	736	1,049
Massachusetts	228	126	649	398	Washington	366	287	1,561	1,992
Michigan	1,056	1,205	3,072	5,015	West Virginia	208	279	455	701
Minnesota	1,238	594	2,110	1,796	Wisconsin	926	673	3,052	2,905
Mississippi	273	203	560	485	Wyoming	189	110	526	1,244

[1] Resident and nonresident. [2] Total cost to fishermen or hunters for all licenses, permits, tags, stamps, etc.

Source: Department of the Interior, Fish and Wildlife Service; mimeographed release.

No. 261. Number and Cost of Hunting and Fishing Licenses: 1950 to 1959

[For years ending June 30. Beginning 1959, includes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series H 523–524]

ITEM	1950	1953	1954	1955	1956	1957	1958	1959
Hunting licenses:								
Paid license holders ... 1,000	12,638	14,803	14,073	14,192	14,462	14,918	14,764	15,189
Resident ... do	12,441	14,481	13,747	13,853	14,089	14,508	14,330	14,732
Nonresident ... do	197	322	327	339	373	410	434	457
Cost to hunters for licenses issued ... $1,000	37,641	40,551	41,505	42,791	46,638	47,847	53,608	57,811
Fishing licenses:								
Paid license holders ... 1,000	15,338	17,652	18,581	18,855	18,702	19,277	20,178	20,007
Resident ... do	13,309	15,134	16,024	16,212	16,040	16,645	17,402	17,149
Nonresident ... do	2,029	2,518	2,557	2,643	2,662	2,631	2,776	2,858
Cost to anglers for licenses issued ... $1,000	34,018	35,603	38,928	39,502	43,150	42,770	45,410	50,375
Federal duck stamps issued	1,942	2,297	2,271	2,182	2,370	2,332	2,355	2,166

Source: Department of the Interior, Fish and Wildlife Service.

No. 262. Selected Recreational Activities: 1950 to 1960

[Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series H 516–522, and H 525]

ACTIVITY	1950	1954	1955	1956	1957	1958	1959	1960
Baseball major leagues:								
Attendance [1] ... 1,000	17,659	16,188	16,980	16,889	17,411	17,855	19,565	20,260
Regular season ... do	17,463	15,936	16,617	16,543	17,016	17,461	19,144	19,911
National League ... do	8,321	8,014	7,674	8,650	8,820	10,165	9,994	10,684
American League ... do	9,142	7,922	8,943	7,894	8,196	7,296	9,149	9,227
World series ... do	196	252	362	346	395	394	421	350
Softball, amateur: [2]								
Teams ... 1,000	355	365	367	370	371	372	375	378
Leagues ... do	59	61	61	62	62	62	63	63
Football, professional, National Football League, attendance ... 1,000	2,008	2,235	2,608	2,608	2,891	3,070	3,198	3,195
Regular season ... do	1,978	2,191	2,522	2,551	2,836	3,006	3,140	3,128
Championship games ... do	30	44	86	57	55	64	58	67
Football, collegiate, attendance [3] ... do	18,962	17,049	17,267	18,032	18,291	19,281	19,615	20,403
Boxing, professional matches, gross receipts [4] ... $1,000	3,800	4,285	6,335	4,448	5,185	5,624	4,101	5,902
Horseracing: [5]								
Number of racing days	4,018	4,734	4,899	5,052	5,187	5,348	5,963	6,099
Total attendance ... 1,000	29,291	38,637	38,503	39,871	41,365	43,373	45,451	46,879
Pari-mutuel turnover ... mil. dol	1,638	2,515	2,592	2,791	2,937	3,039	3,246	3,358
Revenue to States ... $1,000	98,221	178,016	186,990	207,456	216,748	222,050	243,389	258,039
Total monies distributed [6] ... do	46,869	83,297	85,182	90,112	97,903	100,951	107,927	111,473
Greyhound racing: [5]								
Number of racing days	1,738	1,919	2,143	2,233	2,388	2,187	2,395	2,478
Total attendance ... 1,000	6,083	7,093	7,131	7,216	7,610	7,047	7,769	7,924
Pari-mutuel turnover ... mil. dol	167	223	242	251	271	262	298	322
Revenue to States ... $1,000	10,539	14,142	16,705	17,527	18,652	18,559	19,422	22,051
Total monies distributed [6] ... do	(7)	(7)	(7)	(7)	(7)	(7)	9,207	7,200
Bowling:								
Tenpin: [8]								
Establishments ... number	6,325	6,634	6,636	6,957	7,190	7,475	8,191	8,997
Lanes ... do	52,488	56,861	58,203	60,654	65,127	73,081	87,475	107,908
Teams ... do	320,878	368,231	386,912	425,089	492,249	571,457	699,678	855,234
Duckpin: [9]								
Establishments ... number	463	523	556	571	584	601	612	653
Lanes ... do	5,550	6,438	6,875	6,986	7,127	7,248	7,298	8,707
Teams ... do	28,665	38,700	46,552	48,304	49,667	51,700	51,924	62,067
Motion picture theaters: [10]								
Average weekly attendance ... millions	60	49	46	47	45	42	--------	--------
Gross receipts ... mil. dol	1,320	1,144	1,185	1,204	1,120	1,180	--------	--------
Outboard motors and boats: [11]								
Motors in use ... 1,000	2,811	3,740	4,210	4,740	5,140	5,485	5,845	6,050
Motors sold ... do	367	479	515	642	550	504	540	510
Value (retail) ... mil. dol	63	116	153	213	204	234	255	243
Average horsepower	6.9	10.3	12.9	14.2	16.3	20.7	23.7	27.4
Boats sold ... 1,000	131	223	258	302	320	316	329	300
Boat trailers sold ... do	18	103	129	151	165	178	186	160

[1] Source: *World Almanac*. [2] Amateur Softball Association of America. [3] National Collegiate Athletic Association. [4] Source: *The Ring*. Includes Hawaii. [5] National Association of State Racing Commissioners. Horseracing includes thoroughbred, harness, quarter horse, and fairs. [6] Distributed in stakes and purses. [7] Not available. [8] American Bowling Congress. Data are for the season ending in year shown. Beginning 1959, includes Alaska and Hawaii. [9] National Duckpin Bowling Congress. [10] Source: *The Film Daily Yearbook of Motion Pictures, 1959*. 1958 data estimated. [11] Outboard Boating Club of America. Beginning 1959, includes Alaska and Hawaii.

Source: Compiled from sources listed in footnotes.

No. 263. Personal Consumption Expenditures for Recreation: 1940 to 1959

[In millions of dollars. Represents market value of purchases of goods and services by individuals and nonprofit institutions. Not adjusted to include Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series H 500-515]

TYPE OF PRODUCT OR SERVICE	1940	1945	1950	1954	1955	1956	1957	1958	1959
Total recreation expenditures	3,761	6,139	11,278	13,256	14,220	15,193	16,082	16,825	18,304
Books and maps	234	520	677	806	888	1,006	1,149	1,181	1,353
Magazines, newspapers, and sheet music	589	965	1,495	1,825	1,917	1,954	2,087	2,233	2,309
Nondurable toys and sport supplies	306	553	1,396	1,624	1,842	2,008	2,094	2,162	2,378
Wheel goods, durable toys, sport equipment, boats, and pleasure aircraft	254	400	878	1,174	1,397	1,575	1,760	1,883	1,980
Radio and television receivers, records, and musical instruments	494	344	2,457	2,741	2,792	2,872	3,000	3,067	3,497
Radio and television repair	32	88	281	475	522	585	652	720	784
Flowers, seeds, and potted plants	201	378	524	687	721	770	824	815	905
Admissions to specified spectator amusements	904	1,714	1,775	1,660	1,700	1,744	1,662	1,736	1,882
Motion picture theaters	735	1,450	1,367	1,210	1,217	1,228	1,120	1,168	1,278
Legitimate theaters and opera, and entertainments of nonprofit institutions (except athletics)	71	148	185	225	251	276	296	313	339
Spectator sports	98	116	223	225	232	240	246	255	265
Clubs and fraternal organizations [1]	203	281	467	549	582	642	681	721	744
Commercial participant amusements [2]	197	284	463	565	615	673	725	772	816
Pari-mutuel net receipts	55	153	237	362	375	408	431	447	473
Other [3]	292	459	628	788	869	956	1,017	1,088	1,183

[1] Gross receipts less cash benefits of fraternal, patriotic, and women's organizations except insurance; and dues and fees of athletic, social, and luncheon clubs, and school fraternities.

[2] Billiard parlors, bowling alleys, dancing, riding, shooting, skating, and swimming places, amusement devices and parks, daily fee golf course greens fees, golf instruction, club rental, and caddy fees, sightseeing buses and guides, and private flying operations.

[3] Photo developing and printing, photographic studios, collectors' net acquisitions of stamps and coins, hunting dog purchase and training, sports guide service, veterinary service, purchase of pets, camp fees, nonvending coin machine receipts minus payoff, and other commercial amusements.

Source: Department of Commerce, Office of Business Economics; *National Income Supplement*, 1954, *U.S. Income and Output*, a supplement to the *Survey of Current Business*, and *Survey of Current Business*, July 1960.

No. 264. Volume and Characteristics of Travel: 1957

[Covers civilian, noninstitutional population excluding Alaska and Hawaii. Excludes trips to and from home locality by students attending college, 1-way travel of families permanently moving their residence, and occupational travel by pilots, engineers, bus drivers, etc. Data based on a sample of approximately 24,000 households, interviewed at the rate of about 2,000 each month as a part of Current Population Survey; see Technical Note, p. 201]

ITEM	TRIPS [1]		TRIP DAYS [2]		Average days per trip
	Number (millions)	Percent	Number (millions)	Percent	
Total	231	100	1,287	100	5.6
Purpose of trip:					
Business [3]	44	19	210	16	4.8
Visit friends and relatives	107	46	546	43	5.1
Other vacation and pleasure	61	27	410	32	6.7
Other personal	19	8	121	9	6.4
Means of transport:					
Automobile	201	87	1,051	82	5.2
Bus	6	2	41	3	7.1
Rail	8	4	62	5	7.7
Air	8	3	73	5	9.4
Combination and other	9	4	60	5	6.8
Origin of trip:					
Northeast	44	19	293	23	6.6
North Central	68	29	384	30	5.6
South	76	33	390	30	5.1
West	42	18	220	17	5.2
Major destination of trip:					
Northeast	41	18	255	20	6.2
North Central	60	26	304	24	5.0
Major destination of trip—Con.					
South	80	35	448	35	5.6
West	44	19	234	18	5.3
Outside U.S. [4]	5	2	46	4	8.6
Distance to major destination:					
Under 100 miles	89	38	357	28	------
100 to 199 miles	70	31	274	21	------
200 to 499 miles	44	19	292	23	------
500 to 999 miles	14	6	157	12	------
1,000 miles and over	10	4	161	12	------
Outside U.S. [4]	5	2	46	4	------
Annual income of family:					
Under $3,000	35	15	206	16	6.0
$3,000 to $5,999	95	41	463	36	4.9
$6,000 to $9,999	69	30	399	31	5.8
$10,000 and over	32	14	219	17	6.8

[1] A trip involves 1 person being out of town at least overnight or taking a 1-day round trip to a place that is at least 100 miles (1 way) away from home. A round trip starts and ends in the traveler's home locality. If 2 persons in the same household take a round trip together, it is counted as 2 round trips.

[2] Days spent away from home locality by 1 person on a round trip.

[3] Includes both "direct business" in which the traveler goes principally for business reasons, and "indirect business" in which others in the household accompany the person who went for business purposes.

[4] Includes Alaska, Hawaii, outlying areas, and foreign.

Source: Department of Commerce, Bureau of the Census; *Travel Survey—1957*.

No. 265. Foreign Travel—Travelers and Expenditures: 1929 to 1959

[**Travelers in thousands; expenditures in millions of dollars.** Covers U.S. residents, including residents of Alaska, Hawaii, and Puerto Rico]

ITEM AND COUNTRY	1929	1937	1947	1950	1955	1957	1958	1959
NUMBER OF TRAVELERS [1]								
Total, overseas	517	435	435	676	1,075	1,369	1,398	1,516
Means of transport from U.S.:								
Sea	(2)	(2)	(2)	298	318	303	292	279
Air	(2)	(2)	(2)	378	757	1,066	1,106	1,237
Region and country:								
Europe and Mediterranean	350	248	149	302	482	556	637	705
West Indies and Central America	136	153	245	323	522	704	645	677
South America	8	9	27	38	34	51	52	59
Other	23	24	14	13	37	58	64	75
EXPENDITURES [3]								
Total	688	470	716	1,022	1,612	1,955	2,139	2,380
Transportation: [4]								
Foreign flag carriers	164	95	55	145	201	261	320	382
United States flag carriers	41	27	88	123	258	322	359	388
Expenditures abroad:								
Canada	178	156	241	261	306	340	323	365
Mexico	36	44	140	172	255	305	319	350
Total overseas areas	269	148	192	321	592	727	818	895
Europe and Mediterranean	213	97	107	225	430	483	560	604
West Indies and Central America	37	35	56	61	107	153	156	174
South America	5	4	16	22	22	37	37	41
Other	14	12	13	13	33	54	65	76

[1] Excludes the following: Travel to Canada and Mexico; travel between the United States and Alaska, Hawaii, Puerto Rico, and the Virgin Islands; cruise travelers; military personnel and other Government employees and their dependents stationed abroad; and U.S. citizens residing abroad. [2] Not available. [3] Includes shore expenditures of cruise travelers; excludes travel expenditures of military personnel and other Government employees and their dependents stationed abroad, and U.S. citizens residing abroad. [4] Excludes passenger fares of emigrant aliens.

No. 266. Travel to Europe and the Mediterranean Area—Travelers and Average Expenditure: 1950 to 1959

[**Travelers in thousands.** Covers U.S. residents, including residents of Alaska, Hawaii, and Puerto Rico, except as noted. For definitions of terms, see table 265]

ITEM	1950	1955	1956	1957	1958	1959
Total travelers	302	482	521	556	637	705
U.S. born	(1)	299	326	354	422	(1)
Foreign born	(1)	183	195	202	215	(1)
Means of transport from U.S.:						
Sea	(1)	214	226	205	218	204
First class	(1)	56	59	50	60	(1)
Cabin class [2]	(1)	59	63	57	57	(1)
Tourist class [3]	(1)	99	104	98	101	(1)
Air	(1)	268	295	351	419	501
First class	(1)	83	84	91	97	(1)
Tourist class [4]	(1)	185	211	260	94	(1)
Economy class [5]					228	(1)
Average expenditure and stay:						
Average per trip [6] dollars	742	889	905	867	876	(1)
Average length of stay days	[7] 64	56	56	52	50	(1)
Average per day dollars	[7] 12.04	15.88	16.16	16.67	17.52	(1)

[1] Not available. [2] Includes travelers using first-class accommodations costing less than $325.
[3] Includes travelers using freighter, combination type, or tourist class accommodation.
[4] Includes travelers using chartered planes. [5] Originated in April 1958.
[6] Excludes transatlantic passenger fares. [7] U.S. citizens only.

No. 267. Foreign Travel to the United States—Travelers, 1955 to 1959, and Expenditures, 1947 to 1959

[Includes travelers for business and pleasure, foreigners in transit through the United States, and students; excludes travel by foreign government personnel and foreign businessmen employed in the United States]

AREA OF ORIGIN	TRAVELERS (1,000)				EXPENDITURES ($1,000,000)					
	1955	1957	1958	1959	1947	1950	1955	1957	1958	1959
Total	(1)	(1)	(1)	(1)	364	419	654	785	825	902
Canada	(1)	(1)	(1)	(1)	152	193	364	419	425	462
Mexico	(1)	(1)	(1)	(1)	64	69	110	135	144	160
Overseas areas	332	450	472	544	148	157	180	231	256	280
Europe and Mediterranean	131	208	190	233	64	56	61	87	86	98
West Indies, Central America, and South America	169	197	225	243	63	77	93	107	125	133
Other	32	45	57	68	22	24	26	37	45	49

[1] Not available.

Source of tables 265–267: Department of Commerce, Office of Business Economics; *Survey of Current Business*, and records.

Section 8

Labor Force, Employment, and Earnings

This section presents statistics dealing with the characteristics of the economically active segment of the population, the labor force; its distribution by occupation and industry affiliation; and the supply of, demand for, and conditions of labor.

The chief sources of these data are the Bureau of the Census' Decennial Census of Population (see text, p. 1); the Bureau of Labor Statistics' *Employment and Earnings*, *Monthly Labor Review*, and *Monthly Report on the Labor Force;* and the Agricultural Marketing Service's monthly report, *Farm Labor*.

Statistics shown in this section are of two types. One type is obtained by the "population approach" represented by the Census of Population of the Bureau of the Census and the monthly labor force survey of the Bureau of Labor Statistics, for which data are collected by the Bureau of the Census as a part of the Current Population Survey (see text, p. 2). This approach involves direct enumeration and interrogation of individuals to obtain information on employment activity from workers or members of workers' households. Each employed worker is counted only once, even though he may have held two or more jobs during a given period.

The second type of data is obtained by the "establishment approach" represented by the industry surveys of the Bureau of Labor Statistics and the surveys of the Agricultural Marketing Service. These data are based on reports from employers, i.e., farms, businesses, or industrial establishments. Such data as wages, hours worked, labor turnover, and industry affiliation of employees can be more accurately obtained from employers' records than from inquiries directed to a worker or a member of his household. Workers appearing on more than one payroll for the same time period are counted more than once in establishment statistics.

The Decennial Census of Population provides detailed data for the United States, and for each State, city, and other area, including personal characteristics (sex, age, race, etc.) of the numbers employed and unemployed, the number reported in each occupation and in each industry, and other items. The labor force survey, conducted as a part of the Current Population Survey, provides current data published in *Employment and Earnings* and related publications series of the Bureau of Labor Statistics. Data presented include national totals, by sex and age, of the number of persons in the civilian labor force, the number employed in nonagricultural industries and agriculture, the number unemployed, and the number of nonworkers. Also provided are data on hours of work and major occupation group of those employed and duration of unemployment of those unemployed.

In addition, the Bureau of Labor Statistics in *Employment and Earnings* provides detailed monthly data on employment, unemployment, payrolls, labor turnover, earnings, and hours. These data for broad groupings are shown in the *Monthly Labor Review*, which also presents statistics on wage rates, industrial relations, and output per man-hour. Although, for the most part, data are presented for the United States only, certain of these data are also shown for States and large cities.

Labor force.—The labor force data published by the Bureau of Labor Statistics and the Bureau of the Census include persons 14 years old and over who were employed, unemployed, or in the Armed Forces during a specified week. Employed persons are those who did any work for pay or profit during the week, or who worked without pay for 15 hours or more in a family enterprise (farm or business); also included are persons who did not work or look for work but who had a job or business from which

they were temporarily absent during the week. Unemployed persons comprise those who did not work at all during the week but were looking for work, or were on layoff from a job.

In the 1960 Census, the labor force data relate to the first or second week of April for the majority of the population. The "experienced civilian labor force" consists of all employed workers and unemployed workers with previous work experience.

Employment and earnings.—The monthly estimates of nonagricultural employment prepared by the Bureau of Labor Statistics are based on voluntary reports for about 44,000 establishments in manufacturing industries and for about 135,000 establishments in selected nonmanufacturing industries, supplemented by data from other Government agencies and adjusted at intervals to data from tabulations of reports under Government social insurance programs. These estimates exclude proprietors of unincorporated businesses, self-employed persons, domestic servants, unpaid family workers, agricultural workers, and persons in the Armed Forces. The employment data are for all full- and part-time employees who worked or received pay for any part of the period reported.

Estimates are available for total employment for 8 major industry divisions, and for selected nonmanufacturing industries. Both total employment and production-worker estimates are published for 21 major manufacturing groups, 137 manufacturing subgroups, and for mining industries. Also, estimates for nonsupervisory workers are published for individual wholesale and retail trade and public utility industries, and estimates for construction workers are published for the contract construction industries.

Average weekly hours and average weekly and hourly earnings are available for production and related workers for over 300 series in manufacturing; in mining, laundries, and cleaning and dyeing industries; and for nonsupervisory employees and working supervisors in other selected nonmanufacturing industries. The earnings data are gross (before payroll deductions) and include overtime premiums; they exclude irregular bonuses and value of payments in kind. Hours are those for which pay was received.

Agricultural employment estimates and wage rates, obtained by means of monthly mail returns, have been issued since 1909 by the Department of Agriculture and appear monthly in *Farm Labor*.

Output per man-hour.—The Bureau of Labor Statistics prepares and publishes annual measures of output per man-hour according to two broad concepts. The first, physical output per man-hour, deals with the relationship between production in physical units and man-hours used in production. The indexes measure the relationships between the volume of goods produced and one factor of input—labor time. They do not measure the specific contribution of labor or capital nor do they measure increased efficiency resulting from more economical use of fuels and materials or more efficient integration of industries.

The other concept of productivity measurement, net output per man-hour, deals with the relationship between value added (at fixed prices) to purchased goods and services and man-hours. These indexes reflect not only average productivity change of industry components, but shifts among industries, and savings in materials consumption. Productivity series using gross national product in constant dollars as an output measure are consistent with the net output per man-hour concept. The gross national product estimates consist of the market value of final goods and services produced excluding the value of intermediate products. Estimates based on this concept have been developed by the Bureau of Labor Statistics covering the total private economy, farm, total nonfarm, manufacturing, and nonmanufacturing sectors of the economy.

Labor turnover.—Labor turnover rates are published monthly in the *Monthly Labor Review* and in *Employment and Earnings* for approximately 100 industries on the basis of about 10,000 reports from cooperating establishments. Labor turnover data are available on a monthly basis from January 1930 for manufacturing as a whole. Because of the adoption of the Standard Industrial Classification system beginning with data for January 1950, labor turnover rates for many industries and industry groups are available on a continuous basis only from that date.

Work stoppages.—The basic measures of strike statistics compiled by the Bureau of Labor Statistics are the number of stoppages, of workers involved, and of man-days of idleness. Basic statistical data are obtained from the employers and unions involved. Knowledge of strikes comes from a variety of sources, including newspapers, State employment services, and State and Federal mediation services. The Bureau prepares annual reports published in the *Monthly Labor Review* and later in bulletin form, which give the total figures for each month of the year, and also analyses of strikes by industry, State, city, and by causes and other pertinent classifications.

Alaska and Hawaii.—For a general statement concerning the treatment of data for Alaska and Hawaii, see preface. "Conterminous area" refers to the United States excluding Alaska, Hawaii, and outlying areas.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, Colonial Times to 1957*, series D1–14") provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

Technical Note—Current Population Survey

Source of data.—The Current Population Survey is a monthly sample survey conducted by the Bureau of the Census. Monthly data on the labor force are collected and compiled for the Bureau of Labor Statistics as a part of the Current Population Survey. The current sample design, instituted in May 1956, is spread over 333 areas comprising 641 counties and independent cities, with coverage in each of the 50 States and the District of Columbia. Approximately 35,000 households are interviewed each month. Another 1,500 occupied dwelling units, on the average, are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for some other reason. There are also about 5,500 sample units in an average month which are visited but are found to be vacant or otherwise not to be enumerated. Data on the Armed Forces are obtained from the Department of Defense.

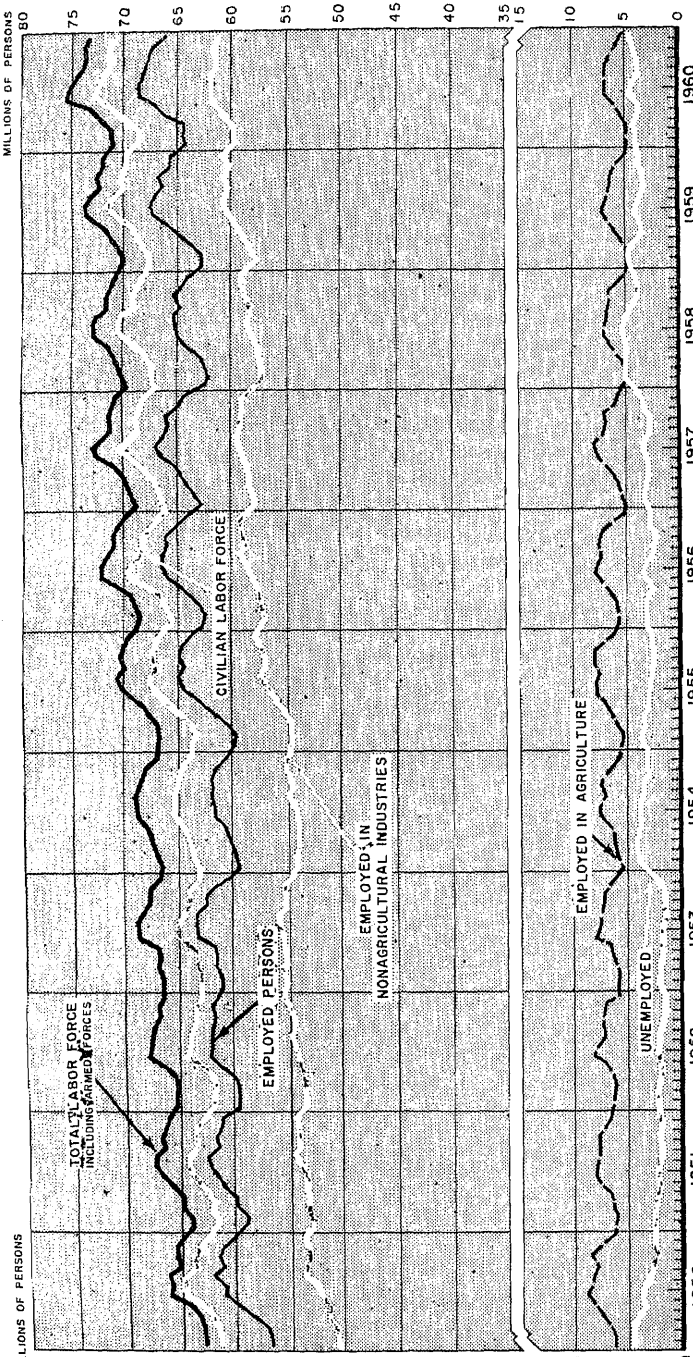
Reliability of the estimates.—According to current computations, the relative sampling error for summary estimates such as civilian labor force, total employment, and nonagricultural employment is about 0.4 percent; for agricultural employment and for unemployment it is roughly 3 to 4 percent. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the percentage estimated above for the particular item. The chances are about 19 out of 20 that the difference would be less than twice the specified percentage and about 99 out of 100 that it would be less than 2½ times the percentage.

The sampling variability indicated above is illustrative of the variability of data based on the Current Population Survey. For further details on the sampling variability, see the original releases of the Bureau of the Census and explanatory notes in the Bureau of Labor Statistics *Employment and Earnings*.

Comparability with Decennial Population Census data.—Statistics obtained from the Current Population Survey may differ from Decennial Census data because of sampling variability, as described above. In addition, comparability between the two sets of data may be affected by other factors, such as differences in the training and experience of enumerators and in the enumeration procedures. For further information, see *U.S. Census of Population: 1950*, Vol. II, Part 1.

FIG. XIII. TRENDS IN THE LABOR FORCE: 1950 TO 1960

[See table 208]



Source: Chart prepared by Department of Commerce, Bureau of the Census. Data for 1950–June 1959 are from Bureau of the Census; thereafter, Department of Labor, Bureau of Labor Statistics.

No. 268. Employment Status of the Noninstitutional Population, by Sex: 1940 to 1961

[**In thousands of persons 14 years old and over.** Beginning 1960, includes Alaska and Hawaii. Annual figures are averages of monthly figures. Data for 1947–1956 adjusted to reflect changes in definition of employment and unemployment adopted in January 1957. Beginning 1953, labor force and employment figures not strictly comparable with previous years as a result of the introduction of material from the 1950 Census into estimating procedure. See also *Historical Statistics, Colonial Times to 1957*, series D 1-14 and D 20, for similar but not exactly comparable data]

Year or month	Total noninstitutional population [1]	Labor force							Not in labor force			
		Total, including Armed Forces [2]	Civilian labor force						Total	Keeping house	In school	Other
			Total	Employed			Unemployed					
				Total	Agricultural	Nonagricultural	Number	Percent				
TOTAL												
1940	100,380	56,180	55,640	47,520	9,540	37,980	8,120	14.6	44,200	-------	-------	-------
1941	101,520	57,530	55,910	50,350	9,100	41,250	5,560	9.9	43,990	-------	-------	-------
1942	102,610	60,380	56,410	53,750	9,250	44,500	2,660	4.7	42,230	28,690	6,370	7,170
1943	103,660	64,560	55,540	54,470	9,080	45,390	1,070	1.9	39,100	27,320	5,100	6,680
1944	104,630	66,040	54,630	53,960	8,950	45,010	670	1.2	38,590	27,350	4,540	6,700
1945	105,520	65,290	53,860	52,820	8,580	44,240	1,040	1.9	40,230	27,760	4,830	7,640
1946	106,520	60,970	57,520	55,250	8,320	46,930	2,270	3.9	45,550	31,020	6,360	8,170
1947	107,608	61,758	60,168	57,812	8,256	49,557	2,356	3.9	45,850	32,441	6,446	6,962
1948	108,632	62,898	61,442	59,117	7,960	51,156	2,325	3.8	45,733	32,850	6,178	6,706
1949	109,773	63,721	62,105	58,423	8,017	50,406	3,682	5.9	46,051	33,067	6,093	6,891
1950	110,929	64,749	63,099	59,748	7,497	52,251	3,351	5.3	46,181	33,058	6,197	6,926
1951	112,075	65,983	62,884	60,784	7,048	53,736	2,099	3.3	46,092	33,105	5,829	7,159
1952	113,270	66,560	62,966	61,035	6,792	54,243	1,932	3.1	46,710	33,334	6,040	7,335
1953	115,094	67,362	63,815	61,945	6,555	55,390	1,870	2.9	47,732	34,025	6,034	7,675
1954	116,219	67,818	64,468	60,890	6,495	54,395	3,578	5.6	48,401	33,893	6,310	8,198
1955	117,388	68,896	65,848	62,944	6,718	56,225	2,904	4.4	48,492	33,722	6,569	8,201
1956	118,734	70,387	67,530	64,708	6,572	58,135	2,822	4.2	48,348	33,399	6,593	8,356
1957	120,445	70,744	67,946	65,011	6,222	58,789	2,936	4.3	49,699	33,892	7,048	8,759
1958	121,950	71,284	68,647	63,966	5,844	58,122	4,681	6.8	50,666	34,233	7,524	8,909
1959	123,366	71,946	69,394	65,581	5,836	59,745	3,813	5.5	51,420	34,487	7,761	9,172
1960	125,368	73,126	70,612	66,681	5,723	60,958	3,931	5.6	52,242	34,543	8,162	9,538
Mar.	124,839	70,903	68,473	64,267	4,565	59,702	4,206	6.1	53,845	34,927	10,534	8,385
1961, Mar.	127,115	73,540	71,011	65,516	4,977	60,539	5,495	7.7	53,574	34,191	11,270	8,113
MALE												
1940	50,080	42,020	41,480	35,550	8,450	27,100	5,930	14.3	8,060	-------	-------	-------
1950	54,526	46,069	44,442	42,162	6,271	35,891	2,280	5.1	8,457	81	3,244	5,132
1951	54,996	46,674	43,612	42,362	5,791	36,571	1,250	2.9	8,322	98	2,940	5,284
1952	55,503	47,001	43,454	42,237	5,623	36,614	1,217	2.8	8,502	69	3,002	5,431
1953	56,534	47,692	44,194	42,966	5,496	37,470	1,228	2.8	8,840	85	2,987	5,768
1954	57,016	47,847	44,537	42,165	5,429	36,736	2,372	5.3	9,169	111	3,152	5,906
1955	57,484	48,054	45,041	43,152	5,479	37,673	1,889	4.2	9,430	76	3,313	6,042
1956	58,044	48,579	45,756	43,999	5,268	38,731	1,757	3.8	9,465	93	3,289	6,083
1957	58,813	48,649	45,882	43,990	5,037	38,952	1,893	4.1	10,164	94	3,546	6,524
1958	59,478	48,802	46,197	43,042	4,802	38,240	3,155	6.8	10,677	102	3,800	6,774
1959	60,100	49,081	46,562	44,089	4,749	39,340	2,473	5.3	11,019	83	3,871	7,065
1960	61,000	49,507	47,025	44,485	4,678	39,807	2,541	5.4	11,493	87	4,097	7,310
Mar.	60,763	48,445	45,958	43,048	4,010	39,038	2,910	6.3	12,319	89	5,319	6,911
1961, Mar.	61,801	49,309	46,812	43,103	4,258	38,845	3,709	7.9	12,491	97	5,731	6,663
FEMALE												
1940	50,300	14,160	14,160	11,970	1,090	10,880	2,190	15.5	36,140	-------	-------	-------
1950	56,404	18,680	18,657	17,584	1,226	16,358	1,073	5.8	37,724	32,977	2,954	1,794
1951	57,078	19,309	19,272	18,421	1,257	17,164	851	4.4	37,770	33,007	2,888	1,875
1952	57,766	19,558	19,513	18,798	1,170	17,628	715	3.7	38,208	33,266	3,038	1,904
1953	58,561	19,668	19,621	18,979	1,061	17,918	642	3.3	38,893	33,940	3,047	1,907
1954	59,203	19,971	19,931	18,724	1,067	17,657	1,207	6.1	39,232	33,782	3,158	2,292
1955	59,904	20,842	20,806	19,790	1,239	18,551	1,016	4.9	39,062	33,646	3,256	2,160
1956	60,690	21,808	21,774	20,707	1,306	19,401	1,067	4.9	38,883	33,306	3,304	2,272
1957	61,632	22,097	22,064	21,021	1,184	19,837	1,043	4.7	39,535	33,798	3,502	2,236
1958	62,472	22,482	22,451	20,924	1,042	19,882	1,526	6.8	39,990	34,131	3,724	2,135
1959	63,265	22,865	22,832	21,492	1,087	20,405	1,340	5.9	40,401	34,404	3,890	2,106
1960	64,368	23,619	23,587	22,196	1,045	21,151	1,390	5.9	40,749	34,456	4,065	2,228
Mar.	64,074	22,548	22,516	21,219	555	20,664	1,296	5.8	41,527	34,839	5,215	1,473
1961, Mar.	65,315	24,232	24,199	22,413	718	21,695	1,786	7.4	41,083	34,094	5,539	1,450

[1] Excludes inmates of penal and mental institutions and homes for the aged, infirm, and needy.
[2] Data for 1940–1952 revised to include about 150,000 members of the Armed Forces who were outside the U.S. (conterminous area) in 1940 and were, therefore, not enumerated in the 1940 Census and were excluded from the 1940–1952 estimates.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 269. Total Labor Force, by Age and Sex: 1945 to 1961

[**In thousands of persons 14 years old and over.** Beginning 1960, includes Alaska and Hawaii. Includes Armed Forces abroad. See headnote, table 268. See also *Historical Statistics, Colonial Times to 1957*, series D 13–25]

Year or month	Male						Female					
	Total	14 to 19 years	20 to 24 years	25 to 44 years	45 to 64 years	65 and over	Total	14 to 19 years	20 to 24 years	25 to 44 years	45 to 64 years	65 and over
1945	46,020	4,530	5,760	19,900	13,370	2,460	19,280	2,720	3,300	8,350	4,420	490
1950	46,069	3,444	5,224	20,996	13,952	2,453	18,680	1,982	2,681	8,267	5,167	584
1952	47,001	3,396	5,223	21,636	14,331	2,416	19,559	2,002	2,519	8,779	5,669	590
1953	47,692	3,338	5,084	22,138	14,591	2,544	19,668	1,952	2,447	8,843	5,730	693
1954	47,847	3,299	4,959	22,215	14,853	2,525	19,970	1,941	2,441	8,939	5,988	666
1955	48,054	3,378	4,851	22,297	15,002	2,526	20,842	1,987	2,458	9,069	6,546	780
1956	48,579	3,612	4,814	22,284	15,267	2,604	21,808	2,182	2,467	9,321	7,017	821
1957	48,649	3,669	4,781	22,293	15,428	2,477	22,097	2,198	2,453	9,384	7,249	813
1958	48,802	3,627	4,849	22,269	15,677	2,379	22,482	2,171	2,510	9,391	7,589	822
1959	49,081	3,718	4,987	22,216	15,838	2,321	22,865	2,251	2,484	9,328	7,966	836
1960	49,507	3,821	5,089	22,270	16,039	2,287	23,619	2,409	2,590	9,447	8,266	907
March	48,445	3,195	4,989	22,165	15,850	2,247	22,548	2,020	2,489	9,195	7,979	865
1961, March	49,309	3,370	5,063	22,269	16,266	2,341	24,232	2,249	2,718	9,709	8,590	965

Source: 1945–June 1959, Department of Commerce, Bureau of the Census; *Current Population Reports*, Series P-50 and P-57. Beginning July 1959, Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 270. Projections of Total Labor Force and of Labor Force Participation Rates, by Age and Sex: 1955 to 1975

[**Persons 14 years old and over.** Excludes Alaska and Hawaii. Annual averages. Rate represents the proportion of each age group in the labor force (employed, unemployed, or in the Armed Forces). Projections based on average annual rates of change in labor force participation rates between 1920 and the average of April 1954, 1955, and 1956]

Age and sex	Total labor force (1,000)				Labor force participation rates			
	1955 (actual)	1965	1970	1975	1955 (actual)	1965	1970	1975
Total	**68,899**	**79,872**	**87,092**	**94,775**	**58.0**	**57.8**	**57.8**	**57.9**
Male, 14 years and over	**48,040**	**53,206**	**57,443**	**62,353**	**82.3**	**79.1**	**78.4**	**78.4**
14 to 19 years	3,378	5,034	5,534	5,896	49.0	47.2	46.6	46.9
14 to 17 years	1,696	2,549	2,783	2,861	36.1	34.9	34.4	34.2
18 to 19 years	1,682	2,485	2,751	3,035	76.5	73.7	72.6	72.1
20 to 24 years	4,832	5,923	7,587	8,423	89.5	87.0	86.3	86.0
25 to 34 years	11,462	10,836	12,173	15,123	96.5	96.5	96.5	96.5
35 to 44 years	10,835	11,544	10,999	10,940	96.9	96.9	96.9	96.9
45 to 54 years	8,879	10,200	10,725	10,917	95.1	95.1	95.1	95.1
55 to 64 years	6,129	7,036	7,721	8,183	86.4	86.4	86.4	86.4
65 years and over	2,525	2,633	2,704	2,871	38.5	34.0	32.2	31.0
Female, 14 years and over	**20,859**	**26,666**	**29,649**	**32,422**	**34.5**	**37.6**	**38.3**	**38.5**
14 to 19 years	1,987	2,896	3,180	3,374	29.7	28.2	27.8	27.9
14 to 17 years	899	1,448	1,588	1,642	19.8	20.6	20.4	20.4
18 to 19 years	1,088	1,448	1,592	1,732	50.9	44.7	43.6	42.7
20 to 24 years	2,458	3,032	3,866	4,311	45.8	45.3	45.2	45.2
25 to 34 years	4,266	4,372	4,905	6,077	34.8	38.7	38.9	39.1
35 to 44 years	4,814	5,631	5,470	5,478	41.4	45.5	47.0	47.9
45 to 54 years	4,160	5,941	6,555	6,814	43.5	52.1	54.5	56.0
55 to 64 years	2,394	3,636	4,313	4,779	32.2	40.6	43.0	44.4
65 years and over	780	1,158	1,360	1,589	10.3	11.7	12.2	12.6

Source: 1955, Department of Commerce, Bureau of the Census; 1965–1975, Department of Labor, Bureau of Labor Statistics; *Population and Labor Force Projections for the United States, 1960–1975*, Bulletin No. 1242.

No. 271. Unemployed Persons, by Age and Sex: 1957 to 1961

[In thousands of persons 14 years old and over. Beginning 1960, includes Alaska and Hawaii. See headnote, table 268]

Year or month	Total unemployed	14 to 19 years	20 to 24 years		25 to 44 years		45 to 64 years		65 and over	
			Male	Female	Male	Female	Male	Female	Male	Female
1957	2,936	574	283	147	653	419	522	226	83	28
1958	4,681	757	478	223	1,237	627	841	361	124	31
1959	3,813	727	343	200	890	508	677	333	112	23
1960	3,931	792	369	214	907	516	686	323	96	25
January	4,149	635	411	211	1,073	512	827	341	107	32
February	3,931	606	426	202	976	506	780	285	124	23
March	4,206	698	457	201	1,074	474	805	344	118	36
April	3,660	657	370	189	897	444	652	309	103	37
May	3,459	765	314	208	745	448	602	271	78	28
June	4,423	1,569	339	274	794	477	560	299	93	17
July	4,017	1,020	358	242	835	542	588	324	82	24
August	3,788	806	330	217	849	530	632	325	78	20
September	3,388	665	279	194	756	540	593	277	75	8
October	3,579	663	290	182	787	555	648	348	79	25
November	4,031	685	374	240	936	610	680	382	97	30
December	4,540	728	481	213	1,167	559	870	377	119	26
1961:										
January	5,385	784	554	252	1,457	667	1,072	426	128	46
February	5,705	809	581	276	1,522	764	1,123	464	137	27
March	5,495	827	576	291	1,421	689	1,055	456	138	43

No. 272. Unemployed Persons, by Duration of Unemployment: 1950 to 1961

[In thousands of persons 14 years old and over. Beginning 1960, includes Alaska and Hawaii. See headnote, table 268. See also *Historical Statistics, Colonial Times to 1957*, series D 4, and, for similar but not exactly comparable data, series D 46–47]

Year or month	Civilian labor force	Unemployed							Average duration of unemployment in weeks
		Total	Percent of civilian labor force	Percent without work for—					
				4 weeks or less	5 to 10 weeks	11 to 14 weeks	15 to 26 weeks	Over 26 weeks	
1950	63,099	3,351	5.3	45.2	22.5	9.0	12.7	10.7	12.1
1952	62,966	1,932	3.1	61.3	20.2	6.5	7.7	4.3	8.3
1953	63,815	1,870	2.9	63.0	19.1	6.6	7.1	4.2	8.1
1954	64,468	3,578	5.6	46.1	22.6	8.5	13.8	8.9	11.7
1955	65,848	2,904	4.4	47.8	20.6	7.5	12.6	11.6	13.2
1956	67,530	2,822	4.2	52.6	21.0	7.5	10.7	8.2	11.3
1957	67,946	2,936	4.3	50.6	22.1	8.2	10.9	8.1	10.4
1958	68,647	4,681	6.8	39.2	20.5	9.4	16.8	14.2	13.8
1959	69,394	3,813	5.5	43.5	20.4	8.8	12.3	15.0	14.5
1960	70,612	3,931	5.6	45.8	20.9	9.0	12.8	11.5	12.8
March	68,473	4,206	6.1	36.0	20.3	14.7	17.0	11.9	14.2
1961, March	71,011	5,495	7.7	31.5	20.0	14.7	19.3	14.5	15.4

No. 273. Persons With a Job but Not at Work, by Reason for Not Working, and Specified Groups of Unemployed Persons: 1957 to 1961

[In thousands of persons 14 years and over. Beginning 1960, includes Alaska and Hawaii. See headnote, table 268]

Year or month	Persons with a job but not at work								Specified groups of unemployed persons	
	All industries	Agriculture	Nonagricultural industries	Reason for not working, all industries						
				Bad weather	Industrial dispute	Vacation	Illness	All others	Temporary layoff	New wage and salary job[1]
1957	3,017	196	2,821	139	45	1,447	962	425	150	110
1958	3,076	199	2,877	182	59	1,479	882	474	166	120
1959	3,161	186	2,974	115	160	1,494	907	484	128	134
1960	3,231	190	3,042	168	40	1,576	942	505	147	119
January	2,343	273	2,070	351	47	334	1,144	466	133	85
February	2,730	344	2,386	302	50	398	1,466	514	130	95
March	2,791	400	2,391	826	57	324	1,121	464	112	76
April	2,243	105	2,138	32	39	868	856	448	140	120
May	2,086	89	1,997	88	48	645	873	431	146	79
June	3,772	82	3,691	19	58	2,293	767	634	126	272
July	7,291	155	7,136	23	38	5,692	783	756	185	134
August	6,924	187	6,737	29	26	5,293	842	736	200	154
September	2,630	123	2,508	30	34	1,339	817	410	140	123
October	2,063	106	1,957	26	64	815	810	348	150	98
November	1,913	167	1,746	38	12	543	889	431	114	102
December	1,989	237	1,752	253	7	374	934	420	188	89
1961:										
January	2,045	256	1,789	194	20	337	979	515	206	54
February	2,173	240	1,933	260	12	430	997	474	260	71
March	2,044	228	1,816	213	10	407	942	471	210	101

[1] Persons waiting to report to new wage and salary job within 30 days who were not in school during the survey week.

Source of tables 271–273: Department of Labor, Bureau of Labor Stastistics; *Employment and Earnings*, and records.

No. 274. Experienced Civilian Labor Force, by Sex and in Agricultural and Nonagricultural Occupations: 1940 and 1950

[**In thousands of persons 14 years old and over, except percent.** Excludes Alaska and Hawaii. For definition of experienced civilian labor force, see text, p. 200]

Year	Population	Experienced civilian labor force: Total	Sex: Male	Sex: Female	Occupation [1]: Agricultural: Number	Agricultural: Percent	Nonagricultural [2]: Number	Nonagricultural [2]: Percent
1940	101,103	51,742	39,168	12,574	8,833	17.1	42,909	[2] 82.9
1950	112,354	59,015	42,565	16,451	6,838	11.6	52,178	[2] 88.4

[1] Data not adjusted for relatively minor differences in agricultural and nonagricultural occupations.
[2] Includes persons in experienced civilian labor force who did not report occupation.

Source: Department of Commerce, Bureau of the Census; 1940 Census Reports on Population, *Comparative Occupation Statistics for the United States, 1870 to 1940*, and *U.S. Census of Population: 1950*, Vol. II.

No. 275. Employment Status of the Civilian Noninstitutional Population, by Color and Sex: 1960 and 1961

[**In thousands of persons 14 years old and over.** Includes Alaska and Hawaii. See headnote, table 268]

Employment status	Male: White: 1960	Male: White: March 1961	Male: Nonwhite: 1960	Male: Nonwhite: March 1961	Female: White: 1960	Female: White: March 1961	Female: Nonwhite: 1960	Female: Nonwhite: March 1961
Total	**52,567**	**53,260**	**5,952**	**6,043**	**57,610**	**58,440**	**6,726**	**6,842**
Civilian labor force	42,297	42,166	4,728	4,646	20,471	21,145	3,116	3,054
Employed	40,265	39,161	4,220	3,942	19,376	19,724	2,821	2,689
Agriculture	4,020	3,655	657	604	768	607	277	112
Nonagricultural industries	36,244	35,506	3,563	3,338	18,608	19,117	2,544	2,578
Unemployed	2,032	3,005	508	705	1,095	1,422	295	364
Not in labor force	10,270	11,094	1,223	1,397	37,139	37,295	3,610	3,788

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 276. Work Experience During Year of Persons in Civilian Noninstitutional Population: 1955, 1958, and 1959

[**In thousands of persons 14 years old and over.** Beginning 1959, includes Alaska and Hawaii. Population figures as of January or February of following year]

Work experience during year	1955: Number	1955: Percent	1958: Number	1958: Percent	1959: Number	1959: Percent
Total civilian noninstitutional population	115,164	----------	120,241	----------	122,195	----------
Total who worked during year	**75,353**	**100.0**	**77,117**	**100.0**	**78,162**	**100.0**
Worked at full-time jobs 50 to 52 weeks	42,624	56.6	41,329	53.6	42,030	53.8
Worked at full-time jobs 27 to 49 weeks	11,952	15.9	11,546	14.9	12,515	16.0
27 to 39 weeks	4,680	6.2	4,731	6.1	5,089	6.5
40 to 47 weeks	4,723	6.3	4,571	5.9	4,926	6.3
48 or 49 weeks	2,549	3.4	2,243	2.9	2,500	3.2
Worked part-time or intermittently	20,777	27.5	24,240	31.4	23,617	30.2
Worked at full-time jobs 13 weeks or less	4,060	5.4	4,406	5.7	4,314	5.5
Worked at full-time jobs 14 to 26 weeks	3,945	5.2	4,393	5.7	4,145	5.3
Worked at part-time jobs	12,772	16.9	15,441	20.0	15,158	19.4
Male civilian noninstitutional population	54,876	----------	57,310	----------	58,222	----------

Source: 1955 and 1958, Department of Commerce, Bureau of the Census; *Current Population Reports*, Series P-50, Nos. 68 and 91. Beginning 1959, Department of Labor, Bureau of Labor Statistics; *Special Labor Force Reports*, No. 11.

No. 277. Civilians Employed in Agriculture and in Nonagricultural Industries, by Hours Worked During the Survey Week: 1947 to 1961

[**In thousands of persons 14 years old and over.** Beginning 1960, includes Alaska and Hawaii. Distribution by hours worked affected by occurrence of legal holidays in some survey weeks (calendar weeks containing 8th of each month prior to July 1955; thereafter calendar weeks containing 12th of each month). See headnote, table 268]

Year or month	Employed in agriculture					Employed in nonagricultural industries				
	Total	Worked 35 hours or more	Worked 15 to 34 hours	Worked 1 to 14 hours	With a job but not at work [1]	Total	Worked 35 hours or more	Worked 15 to 34 hours	Worked 1 to 14 hours	With a job but not at work [1]
1947	8,256	6,097	1,644	241	274	49,557	41,538	4,627	1,407	1,985
1950	7,497	5,394	1,589	294	221	52,251	39,858	8,179	1,997	2,218
1951	7,048	5,108	1,486	263	191	53,736	42,554	6,898	2,016	2,268
1952	6,792	4,992	1,418	201	181	54,243	44,559	5,478	1,831	2,375
1953	6,555	4,843	1,326	209	177	55,390	44,388	6,793	1,856	2,353
1954	6,495	4,710	1,312	292	181	54,395	40,050	9,715	2,122	2,507
1955	6,718	4,888	1,332	314	184	56,225	45,045	6,422	2,261	2,497
1956	6,572	4,578	1,399	416	179	58,135	46,063	6,715	2,648	2,709
1957	6,222	4,197	1,413	416	196	58,789	46,238	6,953	2,777	2,821
1958	5,844	3,827	1,361	457	199	58,122	44,873	7,324	3,047	2,877
1959	5,836	3,852	1,356	442	186	59,745	45,068	8,531	3,172	2,974
1960	5,723	3,811	1,279	444	190	60,958	46,388	8,249	3,279	3,042
March	4,565	2,465	1,117	586	400	59,702	46,151	7,585	3,575	2,391
1961, March	4,977	3,122	1,195	432	228	60,539	47,301	7,522	3,900	1,816

[1] Persons who had a job or business, but who did not work at all during entire survey week because of illness, bad weather, vacation, industrial dispute, or various personal reasons.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*, and records.

No. 278. Employees in Nonagricultural Establishments (Annual Average), by Industry Division: 1940 to 1961

[**In thousands.** Beginning 1960, includes Alaska and Hawaii. Includes all full- and part-time employees who worked during, or received pay for, any part of the pay period reported. Excludes proprietors, self-employed persons, farm workers, unpaid family workers, domestic servants, and personnel of Armed Forces. Data are adjusted to 1st quarter 1957 benchmark levels indicated by data from Government social insurance programs. See also *Historical Statistics, Colonial Times to 1957*, series D 48–56]

Year or month	Total	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscellaneous	Government
1940	32,058	916	1,294	10,780	3,013	6,940	1,436	3,477	4,202
1945	40,037	826	1,132	15,302	3,872	7,522	1,428	4,011	5,944
1946	41,287	852	1,661	14,461	4,023	8,602	1,619	4,474	5,595
1947	43,462	943	1,982	15,290	4,122	9,196	1,672	4,783	5,474
1948	44,448	982	2,169	15,321	4,141	9,519	1,741	4,925	5,650
1949	43,315	918	2,165	14,178	3,949	9,513	1,765	4,972	5,856
1950	44,738	889	2,333	14,967	3,977	9,645	1,824	5,077	6,026
1951	47,347	916	2,603	16,104	4,166	10,012	1,892	5,264	6,389
1952	48,303	885	2,634	16,334	4,185	10,281	1,967	5,411	6,609
1953	49,681	852	2,622	17,238	4,221	10,527	2,038	5,538	6,645
1954	48,431	777	2,593	15,995	4,009	10,520	2,122	5,664	6,751
1955	50,056	777	2,759	16,563	4,062	10,846	2,219	5,916	6,914
1956	51,766	807	2,929	16,903	4,161	11,221	2,308	6,160	7,277
1957	52,162	809	2,808	16,782	4,151	11,302	2,348	6,336	7,626
1958	50,543	721	2,648	15,468	3,903	11,141	2,374	6,395	7,893
1959	51,975	676	2,767	16,168	3,902	11,385	2,425	6,525	8,127
1960	53,137	665	2,795	16,369	3,921	11,698	2,494	6,673	8,522
March [1]	52,398	667	2,331	16,505	3,918	11,379	2,452	6,545	8,601
1961, March (prel.) [1]	51,687	623	2,479	15,480	3,773	11,419	2,520	6,603	8,790

[1] Monthly averages.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 279. All Employees and Production Workers (Annual Average) in Nonagricultural Establishments, by Industry: 1950, 1959, and 1960

[In thousands. Excludes Alaska and Hawaii. See headnote, table 278]

Industry	All employees			Production workers		
	1950	1959	1960	1950	1959	1960
Total	44,738	51,975	52,898	--------	--------	--------
Mining	889	676	664	--------	532	519
Metal mining	97	80	92	86	65	76
Anthracite	75	16	13	71	15	11
Bituminous-coal	368	168	159	344	149	139
Crude-petroleum and natural-gas production	254	301	288	[1] 122	210	200
Nonmetallic mining and quarrying	95	111	113	83	93	93
Contract construction	2,333	2,767	2,772	2,076	2,372	2,360
Nonbuilding construction	448	584	553	391	506	473
Building construction	1,885	2,183	2,219	1,685	1,866	1,887
Manufacturing	14,967	16,168	16,337	12,317	12,237	12,265
Durable goods	8,085	9,290	9,432	6,690	6,955	6,994
Nondurable goods	6,882	6,878	6,905	5,627	5,282	5,271
Ordnance and accessories	30	142	150	24	73	73
Food and kindred products	1,523	1,470	1,473	1,143	1,025	1,022
Meat products	296	302	303	237	241	242
Dairy products	125	97	95	90	66	64
Canning and preserving	226	223	228	197	189	193
Grain-mill products	116	113	110	88	78	76
Bakery products	277	285	289	186	162	163
Sugar	36	31	30	31	25	25
Confectionery and related products	92	74	73	77	59	58
Beverages	214	209	210	133	112	111
Misc. food products	142	136	135	105	94	92
Tobacco manufactures	103	89	88	94	79	78
Cigarettes	29	37	38	26	32	33
Cigars	41	27	26	39	25	24
Tobacco and snuff	10	7	6	9	6	5
Tobacco stemming and redrying	23	18	18	21	16	16
Textile-mill products	1,292	966	946	1,200	874	852
Scouring and combing plants	--------	6	5	--------	5	5
Yarn and thread mills	162	110	104	152	102	96
Broad-woven fabric mills	588	399	389	559	371	360
Narrow fabrics and smallwares	--------	30	29	--------	26	26
Knitting mills	249	220	219	230	200	198
Dyeing and finishing textiles	97	88	89	86	77	77
Carpets, rugs, other floor coverings	65	47	45	57	39	37
Hats (except cloth and millinery)	--------	10	10	--------	9	9
Misc. textile goods	--------	57	57	--------	47	46
Apparel and other finished textile products	1,184	1,211	1,216	1,065	1,080	1,086
Men's and boys' suits and coats	143	111	114	129	100	102
Men's and boys' furnishings and work clothing	280	338	351	261	309	320
Women's outerwear	369	345	337	330	308	303
Women's, children's undergarments	105	119	119	95	106	106
Millinery	23	19	18	20	16	16
Children's outerwear	62	74	73	57	66	65
Fur goods	--------	9	7	--------	7	6
Misc. apparel and accessories	--------	60	60	--------	54	54
Other fabricated textile products	126	135	137	107	114	115
Lumber and wood products (exc. furniture)	805	658	644	743	591	577
Logging camps and contractors	92	99	107	86	92	100
Sawmills and planing mills	463	320	309	432	292	280
Millwork, plywood, and prefabricated structural wood products	125	139	130	109	118	109
Wooden containers	65	44	43	60	40	39
Misc. wood products	61	56	56	55	49	49
Furniture and fixtures	369	384	389	321	321	324
Household furniture	271	279	280	242	241	240
Office, public-building, and professional furniture	--------	46	49	--------	36	38
Partitions, shelving, lockers, and fixtures	--------	34	36	--------	26	27
Screens, blinds, and misc. furniture and fixtures	--------	24	24	--------	19	19
Paper and allied products	485	560	562	415	449	448
Pulp, paper, and paperboard mills	246	274	275	214	223	223
Paperboard containers and boxes	126	154	153	107	123	122
Other paper and allied products	114	133	134	94	103	103

[1] Petroleum and natural-gas production (except contract services).

No. 279. ALL EMPLOYEES AND PRODUCTION WORKERS (ANNUAL AVERAGE) IN NONAGRICULTURAL ESTABLISHMENTS, BY INDUSTRY: 1950, 1959, AND 1960—Con.

[In thousands]

INDUSTRY	ALL EMPLOYEES			PRODUCTION WORKERS		
	1950	1959	1960	1950	1959	1960
Manufacturing—Continued						
Printing, publishing, and allied industries	738	868	894	485	558	573
Newspapers	280	323	330	142	161	165
Periodicals	58	62	64	28	27	28
Books	44	58	63	27	36	38
Commercial printing	190	224	231	157	180	186
Lithographing	52	66	69	40	50	52
Greeting cards	-------	21	22	-------	15	15
Bookbinding and related industries	-------	46	48	-------	36	37
Misc. publishing and printing services	-------	68	68	-------	53	52
Chemicals and allied products	682	848	875	494	531	539
Industrial inorganic chemicals	73	103	105	53	68	69
Industrial organic chemicals	229	326	341	173	203	209
Drugs and medicines	88	104	106	57	57	57
Soap, cleaning and polishing preparations	-------	51	53	-------	30	31
Paints, pigments, and fillers	69	76	77	45	45	46
Gum and wood chemicals	-------	8	8	-------	6	6
Fertilizers	35	37	37	28	27	27
Vegetable and animal oils and fats	47	40	39	38	27	27
Misc. chemicals	-------	105	109	-------	66	67
Products of petroleum and coal	238	233	229	180	155	152
Petroleum refining	185	186	182	136	118	116
Coke, other petroleum and coal products	-------	47	47	-------	37	37
Rubber products	246	260	259	198	199	199
Tires and inner tubes	107	102	103	85	75	76
Rubber footwear	24	22	22	20	18	19
Other rubber products	114	136	134	94	107	105
Leather and leather products	392	372	365	353	332	322
Leather: Tanned, curried, and finished	51	37	34	47	33	30
Industrial leather belting and packing	-------	5	5	-------	4	4
Boot and shoe cut stock and findings	-------	19	19	-------	17	17
Footwear (except rubber)	252	249	244	229	224	217
Luggage	-------	15	16	-------	13	14
Handbags and small leather goods	-------	31	32	-------	27	28
Gloves and misc. leather goods	-------	15	15	-------	14	13
Stone, clay, and glass products	513	550	550	442	449	444
Flat glass	-------	33	32	-------	29	28
Glass and glassware, pressed or blown	-------	100	106	-------	85	89
Glass products made of purchased glass	-------	18	17	-------	15	14
Cement, hydraulic	40	42	41	34	34	33
Structural clay products	78	76	73	71	66	63
Pottery and related products	60	48	48	54	41	41
Concrete, gypsum, and plaster products	96	118	116	82	94	91
Cut-stone and stone products	-------	18	18	-------	16	16
Misc. nonmetallic mineral products	-------	98	99	-------	70	69
Primary metal industries	1,200	1,138	1,186	1,036	916	957
Blast furnaces, steel works, and rolling mills	611	522	569	533	417	461
Iron and steel foundries	224	224	222	197	192	188
Primary smelting and refining of nonferrous metals	48	52	57	41	40	45
Secondary smelting and refining of nonferrous metals	-------	12	12	-------	9	9
Rolling, drawing, and alloying of nonferrous metals	104	116	113	87	89	85
Nonferrous foundries	77	65	62	65	53	51
Misc. primary metal industries	-------	147	150	-------	116	118
Fabricated metal products (exc. ordnance, machinery, and transportation equipment)	973	1,069	1,079	810	832	834
Tin cans and other tinware	57	60	60	50	52	52
Cutlery, hand tools, and hardware	158	134	133	134	106	105
Heating apparatus (exc. electric) and plumbers' supplies	138	117	114	114	90	87
Fabricated structural metal products	211	285	289	164	203	205
Metal stamping, coating, and engraving	192	230	238	166	188	194
Lighting fixtures	-------	49	49	-------	39	38
Fabricated wire products	-------	57	57	-------	45	45
Misc. fabricated metal products	-------	138	139	-------	109	108
Machinery (except electrical)	1,354	1,612	1,637	1,043	1,134	1,137
Engines and turbines	66	103	102	50	66	63
Agricultural machinery and tractors	180	158	148	140	112	101
Construction and mining machinery	100	130	125	73	90	85
Metalworking machinery	198	239	256	152	176	188
Special-industry machinery (exc. metalworking machinery)	168	166	176	127	115	123
General industrial machinery	185	224	228	132	142	144
Office and store machines and devices	92	133	140	76	90	93
Service-industry and household machines	184	185	188	150	138	138
Misc. machinery parts	181	276	276	145	206	202

No. 279. All Employees and Production Workers (Annual Average) in Nonagricultural Establishments, by Industry: 1950, 1959, and 1960—Con.

[In thousands]

Industry	All employees			Production workers		
	1950	1959	1960	1950	1959	1960
Manufacturing—Continued						
Electrical machinery	877	1,242	1,305	670	840	865
Electrical generating, transmission, distribution, and industrial apparatus	308	402	414	223	274	278
Electrical appliances	--------	38	40	--------	28	30
Insulated wire and cable	--------	28	29	--------	22	22
Electrical equipment for vehicles	67	70	73	54	54	56
Electric lamps	--------	28	29	--------	24	25
Communication equipment	351	627	674	270	402	419
Misc. electrical products	--------	49	49	--------	36	36
Transportation equipment	1,264	1,671	1,642	1,036	1,190	1,160
Motor vehicles and equipment	825	732	781	702	574	613
Aircraft and parts	282	735	653	206	451	381
Ship and boat building and repairing	85	143	140	72	119	116
Railroad equipment	60	51	57	46	37	42
Other transporation equipment	12	10	10	10	8	8
Instruments and related products	248	339	350	184	222	226
Laboratory, scientific, and engineering instruments	--------	64	66	--------	35	36
Mechanical measuring and controlling instruments	--------	93	99	--------	62	65
Optical instruments and lenses	--------	16	18	--------	11	13
Surgical, medical, and dental instruments	--------	43	45	--------	29	30
Ophthalmic goods	27	26	27	22	21	21
Photographic apparatus	53	65	67	38	39	39
Watches and clocks	33	31	28	28	26	22
Miscellaneous manufacturing industries	453	487	501	381	387	398
Jewelry, silverware, and plated ware	57	46	46	47	36	37
Musical instruments and parts	--------	18	19	--------	15	16
Toys and sporting goods	78	85	91	68	71	76
Pens, pencils, other office supplies	--------	31	32	--------	23	24
Costume jewelry, buttons, notions	64	61	60	55	49	48
Fabricated plastics products	--------	93	95	--------	73	74
Other manufacturing industries	--------	154	158	--------	120	123
Transportation, communication, and public utilities	3,977	3,902	3,902	--------	--------	--------
Transportation	2,765	2,559	2,558	--------	--------	--------
Interstate railroads	1,391	931	894	--------	--------	--------
Class I railroads [2]	1,221	815	781	--------	--------	--------
Local railways and bus lines	145	92	91	--------	--------	--------
Trucking and warehousing	619	853	884	--------	--------	--------
Other transportation and services	610	683	690	--------	--------	--------
Communication	664	743	742	--------	--------	--------
Telephone	620	706	705	--------	--------	--------
Telegraph	44	37	37	--------	--------	--------
Other public utilities	549	600	602	512	534	533
Gas and electric utilities	526	577	579	491	513	512
Local utilities, not elsewhere classified	23	23	24	21	21	21
Wholesale and retail trade	9,645	11,385	11,642	--------	--------	--------
Wholesale trade	2,571	3,070	3,135	--------	2,651	2,691
Retail trade	7,074	8,315	8,507	--------	--------	--------
General merchandise stores	1,409	1,484	1,529	--------	1,384	1,423
Food and liquor stores	1,231	1,614	1,649	--------	1,485	1,508
Automotive and accessories dealers	734	791	814	--------	700	717
Apparel and accessories stores	555	606	628	--------	555	571
Other retail trade	3,144	3,820	3,888	--------	2,090	2,116
Finance, insurance, and real estate	1,824	2,425	2,485	--------	--------	--------
Banks and trust companies	435	638	673	--------	--------	--------
Security dealers and exchanges	60	95	101	--------	--------	--------
Insurance carriers and agents	644	904	934	--------	--------	--------
Other finance agencies and real estate	686	788	778	--------	--------	--------
Service and miscellaneous [3]	5,077	6,525	6,638	--------	--------	--------
Hotels and lodging places	471	505	496	--------	--------	--------
Personal services:						
Laundries	342	311	308	--------	--------	--------
Cleaning and dyeing plants	157	171	176	--------	--------	--------
Motion pictures	248	187	187	--------	--------	--------
Government	6,026	8,127	8,458	--------	--------	--------
Federal	1,928	2,197	2,237	--------	--------	--------
State and local	4,098	5,930	6,221	--------	--------	--------

[2] For 1950, covers railroads with revenue of $1,000,000 or more; thereafter, $3,000,000 or more.
[3] Includes services not shown separately.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 280. Employees in Nonagricultural Establishments (Annual Average), Total, 1959 and 1960, and by Industry Division, 1960, by States

[In thousands. For coverage, see headnote, table 278. State data are based on the new Standard Industrial Classification (1957), and are adjusted to benchmark levels indicated by data from Government social insurance programs. National totals differ from the sum of the State figures because a few States prepare combinations of industry divisions, some States have more recent benchmark levels than others, and methods of computation may vary slightly among the States; also national totals have not as yet been converted to the 1957 Standard Industrial Classification]

State	Total		Industry division, 1960							
	1959	1960	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscellaneous	Government
United States [1]	51,975	52,898	664	2,772	16,337	3,902	11,642	2,485	6,638	8,458
New England:										
Maine	274	277	(2)	14	104	18	54	9	30	48
New Hampshire	191	196	(3)	9	87	10	34	7	25	23
Vermont	107	107	1	6	35	8	21	4	17	16
Massachusetts	1,891	1,914	(2)	79	695	106	387	100	299	248
Rhode Island	287	290	(2)	12	118	15	54	13	39	40
Connecticut	900	913	(4)	43	406	45	159	53	113	94
Middle Atlantic:										
New York	6,112	6,183	9	262	1,887	484	1,252	483	969	837
New Jersey	1,978	2,012	4	100	805	148	377	90	252	236
Pennsylvania	3,677	3,719	58	162	1,436	279	696	153	500	435
East North Central:										
Ohio	3,113	3,120	20	136	1,258	209	611	119	368	399
Indiana	1,397	1,429	10	68	591	93	282	57	139	189
Illinois	3,407	3,417	28	174	1,186	284	728	176	427	415
Michigan	2,297	2,334	15	95	964	135	447	82	264	333
Wisconsin	1,163	1,186	4	56	461	75	243	46	145	157
West North Central:										
Minnesota	914	926	18	56	227	83	228	46	122	145
Iowa	673	680	3	37	176	54	171	32	92	115
Missouri	1,334	1,349	8	65	392	123	313	71	184	193
North Dakota	125	124	2	10	7	13	37	5	19	32
South Dakota	136	139	2	11	13	10	38	6	20	39
Nebraska	369	380	3	25	67	38	94	23	55	78
Kansas	559	557	17	34	114	54	131	23	70	114
South Atlantic:										
Delaware	151	154	(2)	10	59	11	29	6	20	19
Maryland	876	898	2	62	259	73	192	45	123	142
Dist. of Columbia	525	534	(2)	21	20	28	84	28	91	262
Virginia	1,001	1,015	17	67	275	83	217	43	123	191
West Virginia	465	458	55	20	125	45	84	13	51	67
North Carolina	1,163	1,191	3	66	503	65	222	42	125	164
South Carolina	567	580	2	36	244	25	102	21	55	96
Georgia	1,030	1,041	6	54	339	73	221	49	114	186
Florida	1,273	1,312	9	120	206	101	360	82	215	220
East South Central:										
Kentucky	647	652	33	38	170	52	140	25	86	110
Tennessee	907	918	7	45	315	55	194	39	118	145
Alabama	764	772	13	42	235	49	150	32	90	160
Mississippi	394	397	7	20	120	26	84	13	40	88
West South Central:										
Arkansas	360	369	6	21	102	28	82	13	46	72
Louisiana	789	788	44	55	143	83	183	35	102	144
Oklahoma	573	581	45	34	86	48	137	27	72	131
Texas	2,476	2,505	124	165	489	227	645	119	306	430
Mountain:										
Montana	165	167	7	11	20	19	41	7	23	39
Idaho	155	155	3	10	30	15	40	6	20	33
Wyoming	93	97	10	11	7	12	21	3	11	22
Colorado	493	511	16	33	88	44	123	25	76	108
New Mexico	234	237	21	19	16	20	50	10	38	64
Arizona	306	331	15	33	49	25	81	16	46	68
Utah	253	264	14	15	47	22	59	11	33	62
Nevada	96	103	4	8	5	9	20	3	35	19
Pacific:										
Washington	813	817	2	46	217	62	182	39	103	166
Oregon	498	507	1	26	144	44	114	21	63	95
California	4,731	4,917	32	311	1,328	360	1,088	247	681	870
Alaska	--------	57	1	6	6	7	8	2	5	23

[1] Excludes Alaska and Hawaii. [2] Mining combined with service and miscellaneous. [3] Less than 500.
[4] Mining combined with contract construction.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 281. Percent Distribution by Industry Division of Employees in Nonagricultural Establishments, by States: 1959 and 1960

[For base figures, see table 280]

State	Mining		Contract construction		Manufacturing		Transportation and public utilities		Wholesale and retail trade		Finance, insurance, and real estate		Service and miscellaneous		Government	
	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960
U.S.[1]	1.3	1.3	5.3	5.2	31.1	30.9	7.5	7.4	21.9	22.0	4.7	4.7	12.6	12.5	15.6	16.0
N.E.:																
Maine	(2)	(2)	5.1	5.0	37.8	37.5	6.7	6.5	19.5	19.5	3.2	3.3	10.9	10.9	16.8	17.3
N.H.	0.2	0.2	4.8	4.8	45.2	44.7	5.1	4.9	17.2	17.6	3.7	3.7	12.3	12.6	11.5	11.5
Vt.	1.1	1.2	5.7	5.6	33.4	33.0	7.1	7.0	18.9	19.3	3.6	3.6	15.3	15.4	14.9	14.9
Mass.	(2)	(2)	4.2	4.2	36.9	36.3	5.7	5.6	20.1	20.2	5.1	5.2	15.3	15.6	12.7	12.9
R.I.	(2)	(2)	4.0	4.0	41.7	40.9	5.2	5.1	18.2	18.5	4.3	4.4	12.9	13.3	13.7	13.8
Conn.	(3)	(3)	5.0	4.8	45.2	44.5	4.9	4.9	17.1	17.4	5.7	5.8	12.0	12.3	10.1	10.3
M.A.:																
N.Y.	0.1	0.2	4.3	4.2	31.1	30.5	8.0	7.8	20.3	20.3	7.8	7.8	15.2	15.7	13.2	13.5
N.J.	0.2	0.2	5.1	5.0	40.5	40.0	7.4	7.4	18.4	18.7	4.5	4.5	12.2	12.5	11.7	11.7
Pa.	1.7	1.6	4.6	4.4	38.2	38.6	7.7	7.5	18.8	18.7	4.1	4.1	13.3	13.4	11.6	11.7
E.N.C.:																
Ohio	0.7	0.6	4.9	4.4	40.6	40.3	6.7	6.7	19.4	19.6	3.7	3.8	11.6	11.8	12.4	12.8
Ind.	0.7	0.7	4.3	4.8	41.8	41.3	6.8	6.6	19.7	19.7	4.0	4.0	9.8	9.7	12.9	13.2
Ill.	0.9	0.8	4.9	5.1	35.4	34.7	8.4	8.3	21.2	21.3	5.1	5.1	12.2	12.5	11.9	12.2
Mich.	0.6	0.7	4.2	4.1	41.5	41.3	6.0	5.8	19.1	19.1	3.5	3.5	11.0	11.3	14.1	14.2
Wis.	0.3	0.3	4.6	4.7	39.6	38.8	6.4	6.3	20.4	20.5	3.7	3.9	12.0	12.2	13.0	13.3
W.N.C.:																
Minn.	1.6	1.9	6.0	6.1	24.6	24.6	9.2	8.9	24.9	24.7	4.9	5.0	13.1	13.2	15.7	15.6
Iowa	0.5	0.4	5.5	5.4	26.5	25.9	8.1	8.0	24.9	25.1	4.5	4.7	13.3	13.6	16.7	16.9
Mo.	0.6	0.6	5.0	4.8	29.3	29.1	9.3	9.1	23.2	23.2	5.2	5.3	13.4	13.6	14.0	14.3
N. Dak.	1.8	1.5	9.1	8.0	5.4	5.3	10.3	10.3	29.7	30.0	4.0	4.1	14.8	15.3	24.9	25.5
S. Dak.	1.9	1.7	7.5	8.2	9.8	9.2	7.3	7.4	27.7	27.4	4.0	4.0	13.9	14.1	27.9	28.0
Nebr.	0.7	0.7	5.9	6.5	17.3	17.6	10.3	9.9	24.6	24.6	6.0	5.9	14.6	14.4	20.6	20.4
Kans.	3.3	3.1	6.5	6.1	21.5	20.5	9.8	9.6	22.9	23.5	4.0	4.2	12.2	12.5	19.8	20.5
S.A.:																
Del.	(2)	(2)	7.9	6.8	38.1	38.3	7.3	7.2	18.5	18.9	4.0	4.0	12.2	12.7	12.0	12.1
Md.	0.3	0.3	7.1	6.9	29.3	28.9	8.1	8.1	21.1	21.3	4.9	5.0	13.5	13.7	15.7	15.8
D.C.	(2)	(2)	4.1	3.9	3.9	3.8	5.4	5.3	15.8	15.8	5.4	5.2	16.6	17.0	48.8	49.0
Va.	1.7	1.7	6.7	6.6	27.0	27.1	8.4	8.2	21.1	21.3	4.3	4.3	12.1	12.1	18.7	18.7
W. Va.	13.1	12.0	4.3	4.3	27.2	27.3	9.8	9.8	18.1	18.3	2.7	2.8	10.8	11.0	14.0	14.5
N.C.	0.3	0.3	5.6	5.6	42.7	42.2	5.5	5.5	18.4	18.7	3.4	3.5	10.5	10.5	13.6	13.7
S.C.	0.3	0.3	6.0	6.2	42.1	42.0	4.6	4.4	17.6	17.5	3.5	3.6	9.4	9.5	16.5	16.5
Ga.	0.5	0.5	5.5	5.2	32.9	32.5	7.0	7.0	21.3	21.2	4.5	4.7	10.8	11.0	17.5	17.9
Fla.	0.6	0.7	10.3	9.2	15.7	15.7	7.8	7.7	27.0	27.4	6.1	6.2	16.2	16.4	16.3	16.7
E.S.C.:																
Ky.	4.8	5.1	5.8	5.8	26.3	26.0	8.2	7.9	21.3	21.4	3.8	3.8	13.0	13.1	16.8	16.9
Tenn.	0.8	0.8	5.1	4.9	33.9	34.3	6.1	6.0	21.1	21.1	4.2	4.3	12.9	12.8	15.9	15.8
Ala.	1.6	1.7	5.6	5.4	31.0	30.4	6.4	6.4	19.4	19.5	4.3	4.2	11.5	11.7	20.2	20.7
Miss.	1.7	1.7	6.0	5.0	30.3	30.1	6.5	6.4	20.9	21.3	3.3	3.4	9.9	10.1	21.4	22.0
W.S.C.:																
Ark.	1.7	1.5	5.1	5.6	27.5	27.7	7.8	7.6	22.2	22.1	3.6	3.6	12.5	12.5	19.6	19.4
La.	5.8	5.5	7.6	7.0	18.2	18.1	10.6	10.6	22.9	23.2	4.4	4.4	12.7	12.9	17.8	18.3
Okla.	8.3	7.8	6.1	5.9	15.2	14.8	8.3	8.3	23.2	23.6	4.4	4.6	12.3	12.4	22.2	22.6
Texas	5.2	4.9	6.8	6.6	19.7	19.5	9.2	9.1	25.5	25.7	4.7	4.8	12.0	12.2	16.9	17.2
Mt.:																
Mont.	4.7	4.4	7.0	6.8	12.1	12.1	11.8	11.4	24.4	24.3	3.9	4.1	13.7	13.7	22.4	23.2
Idaho	2.3	1.6	6.5	6.1	19.6	19.4	9.8	9.7	25.0	25.6	3.6	3.7	12.5	12.8	20.7	21.1
Wyo.	10.4	10.5	10.6	11.4	8.0	7.6	12.7	12.4	21.7	21.7	3.0	3.0	11.2	11.2	22.4	22.2
Colo.	3.1	3.0	6.8	6.5	16.4	17.2	8.9	8.5	24.2	24.0	5.0	4.9	14.5	14.9	21.1	21.0
N. Mex.	8.3	8.7	9.4	8.0	7.2	6.9	8.7	8.6	20.9	21.0	4.0	4.0	15.5	15.8	26.0	27.0
Ariz.	4.4	4.5	9.5	9.9	15.1	14.6	7.7	7.4	24.2	24.4	4.6	4.8	13.8	13.9	20.7	20.5
Utah	5.0	5.3	6.2	5.6	16.7	17.8	8.9	8.4	22.6	22.5	4.3	4.3	12.5	12.6	23.8	23.5
Nev.	3.1	3.4	7.6	7.3	5.5	5.1	9.2	8.9	20.1	19.2	3.2	3.2	32.5	34.4	18.8	18.5
Pac.:																
Wash.	0.2	0.2	5.6	5.7	27.8	26.6	7.5	7.5	21.8	22.2	4.7	4.7	12.3	12.7	20.1	20.4
Oreg.	0.3	0.3	5.1	5.1	29.4	28.4	9.0	8.7	22.0	22.4	4.0	4.1	11.9	12.4	18.3	18.6
Calif.	0.7	0.7	6.3	6.3	27.7	27.0	7.5	7.3	21.8	22.1	4.9	5.0	13.5	13.9	17.6	17.7
Alaska	-----	1.9	-----	10.5	------	10.0	-----	11.6	-----	13.6	-----	2.6	-----	9.5	-----	40.3

[1] Excludes Alaska and Hawaii.
[2] Mining combined with service and miscellaneous.
[3] Mining combined with contract construction.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings.*

No. 282. Marital Status of Women in the Civilian Labor Force: 1940 to 1960

[**In thousands of persons 14 years old and over.** Beginning 1960, includes Alaska and Hawaii. Figures for 1940 based on complete census revised for comparability with intercensal series. Data for 1944–1960 based on Current Population Survey; see Technical Note, p. 201. See also table 28. See also *Historical Statistics, Colonial Times to 1957*, series D 33–35]

Month and year	Female labor force (1,000)					Percent distribution of female labor force				Female labor force as percent of female population, 14 and over			
	Total	Single	Married		Widowed or divorced	Single	Married		Widowed or divorced	Total	Single	Married	Widowed or divorced
			Total	Husband present			Total	Husband present					
March 1940	13,840	6,710	5,040	[1]4,200	2,090	48.5	36.4	[1]30.3	15.1	27.4	48.1	16.7	32.0
April 1944	18,449	7,542	8,433	6,226	2,474	40.9	45.7	33.7	13.4	35.0	58.6	25.6	35.7
April 1947	16,323	6,181	7,545	6,676	2,597	37.9	46.2	40.9	15.9	29.8	51.2	21.4	34.6
March 1950	17,795	5,621	9,273	8,550	2,901	31.6	52.1	48.0	16.3	31.4	50.5	24.8	36.0
April 1951	18,602	5,430	10,182	9,086	2,990	29.2	54.7	48.8	16.1	32.4	49.6	26.7	36.1
April 1952	18,812	5,532	10,350	9,222	2,930	29.4	55.0	49.0	15.6	32.4	50.0	26.8	35.3
April 1953	19,304	5,223	10,908	9,763	3,174	27.1	56.5	50.6	16.4	32.8	48.5	27.7	36.3
April 1954	19,726	5,412	11,209	9,923	3,105	27.4	56.8	50.3	15.7	33.1	49.0	28.1	36.0
April 1955	20,154	5,087	11,839	10,423	3,227	25.2	58.7	51.7	16.0	33.5	46.4	29.4	36.0
March 1956	20,842	5,167	12,278	11,125	3,397	24.8	58.9	53.4	16.3	34.2	46.4	30.2	36.9
March 1957	21,524	5,378	12,696	11,529	3,450	25.0	59.0	53.6	16.0	34.8	46.8	30.8	37.6
March 1958	22,000	5,365	13,032	11,826	3,604	24.4	59.2	53.8	16.4	35.0	45.4	31.4	37.9
March 1959	22,376	5,162	13,586	12,205	3,628	23.1	60.7	54.5	16.2	35.2	43.4	32.3	38.0
March 1960	22,516	5,401	13,485	12,253	3,629	24.0	59.9	54.4	16.1	34.8	44.1	31.7	37.1

[1] As of April.

Source: 1940–1958, Department of Commerce, Bureau of the Census; *Current Population Reports*, Series P-50. Beginning 1959, Department of Labor, Bureau of Labor Statistics; *Special Labor Force Reports*, No. 2.

No. 283. Women Employees in Manufacturing Industries: 1950 to 1960

[**In thousands.** As of October. Excludes Alaska and Hawaii. Data for the two latest years are adjusted to 1st quarter 1957 benchmark levels indicated by data from Government social insurance programs, and are comparable with the series for earlier years]

Industry group	1950		1955		1959		1960	
	Number	Percent of total employment	Number	Percent of total employment	Number	Percent of total employment	Number	Percent of total employment
Manufacturing	4,251	27	4,536	27	4,425	27	4,329	27
Durable goods	1,502	17	1,790	18	1,749	19	1,689	18
Ordnance and accessories	7	20	27	20	27	19	29	19
Lumber and wood products (except furniture)	55	6	49	6	43	6	43	7
Furniture and fixtures	64	16	67	17	66	17	64	16
Stone, clay, and glass products	92	17	94	17	92	16	89	16
Primary metal industries	67	5	76	6	63	8	68	6
Fabricated metal products	202	19	221	19	188	18	184	17
Machinery (except electrical)	196	14	229	14	229	14	220	14
Electrical machinery	384	39	478	40	514	39	486	38
Transportation equipment	133	10	221	12	197	12	185	11
Instruments and related products	93	35	117	36	120	34	114	33
Miscellaneous manufacturing industries	210	41	210	41	211	40	208	40
Nondurable goods	2,749	38	2,746	38	2,676	38	2,640	38
Food and kindred products	438	27	440	27	406	27	422	27
Tobacco manufactures	71	59	73	59	53	51	52	49
Textile-mill products	583	43	473	43	429	44	405	43
Apparel and other finished textile products	941	76	965	78	981	80	963	80
Paper and allied products	121	24	130	23	121	21	119	21
Printing, publishing, and allied industries	201	27	233	28	247	28	253	28
Chemicals and allied products	125	18	148	18	158	18	160	18
Products of petroleum and coal	13	5	17	7	17	8	16	7
Rubber products	69	27	72	26	69	25	65	25
Leather and leather products	188	47	196	51	195	52	186	51

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 284. Labor Force Status of the Civilian Female Population, by Marital Status and Age: 1960

[**In thousands of persons 14 years old and older.** As of March. Includes Alaska and Hawaii. Includes institutional population. See headnote, table 268]

Marital status and age	Population	Labor force: Number	Labor force: Percent of population
Total	**64,607**	**22,516**	**34.8**
14 to 19 years	7,903	2,014	25.5
14 to 17 years	5,489	873	15.9
18 and 19 years	2,414	1,141	47.3
20 to 24 years	5,591	2,478	44.3
25 to 34 years	11,583	3,992	34.5
35 to 44 years	12,252	5,190	42.4
45 to 64 years	18,695	7,977	42.7
65 years and over	8,583	865	10.1
Median age ... years	40.9	40.3	-------
Single	**12,252**	**5,401**	**44.1**
14 to 19 years	6,951	1,758	25.3
14 to 17 years	5,239	831	15.9
18 and 19 years	1,712	927	54.1
20 to 24 years	1,615	1,186	73.4
25 to 34 years	944	754	79.9
35 to 44 years	720	574	79.7
45 to 64 years	1,296	973	75.1
65 years and over	726	157	21.6
Median age ... years	19.0	24.0	-------
Married, husband present	**40,205**	**12,253**	**30.5**
14 to 19 years	826	209	25.3
14 to 17 years	221	31	14.0
18 and 19 years	605	178	29.4
20 to 24 years	3,575	1,073	30.0
25 to 34 years	9,609	2,666	27.7
35 to 44 years	10,132	3,672	36.2
45 to 64 years	13,030	4,455	34.2
65 years and over	3,033	178	5.9
Median age ... years	41.0	40.9	-------
Other marital status	**12,150**	**4,861**	**40.0**
14 to 19 years	126	47	37.3
20 to 24 years	401	219	54.6
25 to 34 years	1,030	572	55.5
35 to 44 years	1,400	944	67.4
45 to 64 years	4,369	2,549	58.3
65 years and over	4,824	530	11.0
Median age ... years	60.3	50.0	-------

Source: Department of Labor, Bureau of Labor Statistics; *Special Labor Force Reports*, No. 13.

No. 285. Mothers (With Children Under 12) Employed Full Time, by Marital Status and Number of Children; and Number of Their Children, by Age of Child: 1958

[**In thousands.** As of June. Excludes Alaska and Hawaii. Represents mothers who worked 35 hours or more in the week before the survey for pay or profit or without pay on a family farm or business. Based on sample and subject to sampling variability]

Item	Total employed mothers	Marital status of mothers: Married: Total	Married: Husband present	Married: Husband absent	Widowed or divorced
Total mothers	**2,873**	**2,565**	**2,334**	**231**	**308**
Mothers having—					
1 child	931	796	700	96	135
2 children	951	849	778	71	102
3 children	534	490	458	32	44
4 or more children	457	430	398	32	27
Children under 18 by marital status of mother	6,665	6,057	5,570	487	608

Age of children	Children under 12 years old: Total	White	Nonwhite
Total	5,073	4,158	915
Percent	**100.0**	**100.0**	**100.0**
Under 3 years	17.4	16.5	21.2
3 to 5 years	22.8	22.1	26.2
6 to 9 years	35.3	35.9	32.5
10 and 11 years	24.5	25.5	20.1

Source: Department of Health, Education, and Welfare, Social Security Administration, Children's Bureau; *Child Care Arrangements of Full-Time Working Mothers*, Publication No. 378; also published in the *Social Security Bulletin*, August 1959.

No. 286. Farm Employment, by Geographic Divisions: 1940 to 1960

[**In thousands.** Excludes Alaska and Hawaii. Annual average number of persons employed during last full calendar week of each month]

GEOGRAPHIC DIVISION [1]	1940	1945	1950	1955	1956	1957	1958	1959	1960
Total workers	10,979	10,000	9,926	8,364	7,820	7,577	7,525	7,384	7,118
New England	235	225	219	187	178	172	171	162	150
Middle Atlantic	679	626	616	502	464	444	445	422	404
East North Central	1,604	1,471	1,568	1,424	1,359	1,307	1,305	1,272	1,220
West North Central	1,804	1,744	1,779	1,530	1,432	1,398	1,399	1,360	1,334
South Atlantic	2,110	1,880	1,812	1,496	1,379	1,345	1,304	1,294	1,240
East South Central	1,780	1,545	1,432	1,091	1,000	969	930	928	882
West South Central	1,662	1,397	1,407	1,156	1,044	1,000	1,023	1,010	972
Mountain	474	446	418	368	363	354	358	341	334
Pacific	631	666	675	610	601	588	590	595	582
Hired workers [2]	2,679	2,119	2,329	2,017	1,921	1,895	1,955	1,925	1,869
New England	75	65	71	69	66	66	66	63	59
Middle Atlantic	207	174	185	137	128	123	127	121	110
East North Central	319	214	237	206	196	192	195	188	182
West North Central	315	241	275	216	201	204	212	202	196
South Atlantic	488	358	417	382	367	365	369	367	355
East South Central	297	216	240	209	198	183	187	189	188
West South Central	504	375	423	364	336	332	365	365	359
Mountain	183	164	151	135	132	136	139	129	126
Pacific	291	312	330	299	297	294	295	301	294

[1] See table 281 for States comprising each division.
[2] Includes all persons doing one or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.

Source: Department of Agriculture, Agricultural Marketing Service; annual report, *Agricultural Statistics*.

No. 287. Major Occupation Group and Class of Worker of Employed Persons: 1950 to 1961

[**In thousands of persons 14 years old and over.** Beginning 1960, includes Alaska and Hawaii. Annual averages, except as indicated. See also *Historical Statistics, Colonial Times to 1957*, series D 72-572, for related but not comparable data]

MAJOR OCCUPATION GROUP AND CLASS OF WORKER	1950 [1]	1955 [1]	1959	1960		1961, March
				Total	March	
MAJOR OCCUPATION GROUP						
Employed, total	(2)	(2)	65,581	66,681	64,267	65,516
Professional, technical, and kindred workers	4,490	5,792	7,143	7,474	7,566	7,998
Farmers and farm managers	4,393	3,739	3,019	2,780	2,722	2,755
Managers, officials, and proprietors, except farm	6,429	6,450	6,935	7,067	6,960	7,329
Clerical and kindred workers	7,632	8,367	9,326	9,783	9,539	9,901
Sales workers	3,822	3,976	4,394	4,401	4,172	4,508
Craftsmen, foremen, and kindred workers	7,670	8,328	8,561	8,560	8,342	8,178
Operatives and kindred workers	12,146	12,762	11,858	11,986	12,025	11,305
Private household workers	1,883	1,946	2,197	2,216	2,128	2,434
Service workers, except private household	4,652	5,160	5,843	6,133	6,101	6,162
Farm laborers and foremen	3,015	2,798	2,563	2,615	1,561	1,978
Laborers, except farm and mine	3,520	3,681	3,743	3,665	3,151	2,968
CLASS OF WORKER						
Employed in agriculture	7,507	6,730	5,836	5,723	4,565	4,977
Wage and salary workers	1,733	1,700	1,689	1,866	1,209	1,359
Self-employed workers	4,346	3,731	3,027	2,802	2,755	2,779
Unpaid family workers	1,427	1,299	1,121	1,054	603	839
Employed in nonagricultural industries	52,450	56,464	59,745	60,958	59,702	60,539
Wage and salary workers	45,977	50,054	52,850	53,976	52,944	53,212
In private households	1,995	2,216	2,520	2,489	2,338	2,626
Government workers	5,817	6,838	7,695	7,943	7,827	8,202
Other wage and salary workers	38,165	40,999	42,636	43,544	42,779	42,384
Self-employed workers	6,069	5,886	6,298	6,367	6,194	6,583
Unpaid family workers	404	524	597	615	562	745

[1] Based on averages of the first month in each quarter.
[2] Totals have not been adjusted to reflect change in definition of employment and unemployment adopted in January 1957. For adjusted totals, see table 268.

Source: 1950–1955, Department of Commerce, Bureau of the Census; *Current Population Reports*, Series P-50. Beginning 1959, Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 288. Persons With Two or More Jobs, by Type of Industry and Class of Worker of Primary and Secondary Jobs: 1958 and 1959

[In thousands of persons 14 years old and over. Excludes Alaska and Hawaii]

Industry and class of worker of primary job	Persons with two or more jobs		Industry and class of worker of secondary job					
			Agriculture			Nonagricultural industries		
	Total	Rate of multiple job-holding [1]	Total	Wage and salary workers	Self-employed workers	Total	Wage and salary workers	Self-employed workers
JULY 1958								
Total	**3,099**	**4.8**	**850**	**362**	**488**	**2,249**	**1,905**	**344**
Agriculture	629	9.3	357	314	43	272	269	3
Wage and salary workers	264	13.2	197	154	43	67	64	3
Self-employed workers	264	8.1	86	86	(2)	178	178	(2)
Unpaid family workers	101	6.9	74	74	(3)	27	27	(3)
Nonagricultural industries	2,470	4.2	493	48	445	1,977	1,636	341
Wage and salary workers	2,257	4.4	489	44	445	1,768	1,427	341
Self-employed workers	198	3.1	3	3	(2)	195	195	(2)
Unpaid family workers	15	2.3	1	1	(3)	14	14	(3)
DECEMBER 1959								
Total	**2,966**	**4.5**	**649**	**130**	**519**	**2,317**	**1,907**	**410**
Agriculture	321	6.7	141	100	41	180	180	--------
Wage and salary workers	104	7.7	90	49	41	14	14	--------
Self-employed workers	199	7.2	42	42	(2)	157	157	(2)
Unpaid family workers	18	2.5	9	9	(3)	9	9	(3)
Nonagricultural industries	2,645	4.3	508	30	478	2,137	1,727	410
Wage and salary workers	2,451	4.6	508	30	478	1,943	1,533	410
Self-employed workers	182	2.8	--------	--------	(2)	182	182	(2)
Unpaid family workers	12	2.0	--------	--------	(3)	12	12	(3)

[1] Persons with 2 or more jobs as a percent of all employed persons in industry—class-of-worker group.
[2] Self-employed persons with a secondary farm or business, but no wage or salary job, were not counted as multiple jobholders.
[3] Persons whose primary job was as an unpaid family worker were counted as multiple jobholders *only* if they also held a wage or salary job. The small number whose only extra job was as an unpaid family worker were *not* counted as multiple jobholders.

Source: 1958 data, Department of Commerce, Bureau of the Census; *Current Population Reports*, Series P-50, No. 88. 1959 data, Department of Labor, Bureau of Labor Statistics; *Special Labor Force Reports*, No. 9.

No. 289. Percent Distribution of Employed Persons, by Color and Major Occupation Group: 1948 to 1961

[Beginning 1960, includes Alaska and Hawaii. See headnote, table 268. 1948–1955, annual averages based on data for four quarterly months, January, April, July, and October; occupation data not tabulated in other months. Beginning 1958, annual averages based on 12-month data]

Major occupation group	White					Nonwhite				
	1948	1955	1959	1960	April 1961	1948	1955	1959	1960	April 1961
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Professional, technical, and kindred workers	7.2	9.8	11.6	12.0	12.7	2.4	3.5	4.5	4.7	4.8
Farmers and farm operators	7.8	6.0	4.7	4.3	4.2	8.5	5.0	3.5	3.1	3.2
Managers, officials, and proprietors, except farm	11.6	11.1	11.5	11.6	12.0	2.3	2.3	2.4	2.5	2.3
Clerical and kindred workers	13.6	14.2	15.2	15.6	15.9	3.3	4.9	6.0	7.2	7.8
Sales workers	6.7	6.9	7.3	7.2	7.3	1.1	1.3	1.4	1.6	1.4
Craftsmen, foremen, and kindred workers	14.6	14.1	13.9	13.7	13.5	5.3	5.2	5.8	5.9	6.1
Operatives and kindred workers	21.0	20.2	17.9	17.7	17.0	20.1	20.9	19.7	20.1	20.4
Private household workers	1.5	1.8	2.0	2.0	2.2	15.6	14.8	14.8	14.3	15.0
Service workers, except private household	6.4	7.2	8.0	8.2	8.5	14.7	16.8	17.1	17.5	19.1
Farm laborers and foremen	4.6	3.9	3.3	3.3	2.6	12.5	9.5	9.4	9.3	7.1
Laborers, except farm and mine	4.9	4.7	4.6	4.5	4.1	14.3	15.8	15.4	13.8	12.9

Source: 1948–June 1959, Department of Commerce, Bureau of the Census; *Current Population Reports*, Series P-50, P-57, and records. Beginning July 1959, Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 290. Comparisons of Indexes of Labor and Nonlabor Payments, Prices, and Output Per Man-Hour in the Private Economy and the Nonfarm Sector: 1947 to 1960

[1947-49=100. Excludes Alaska and Hawaii. Labor payments include, in addition to wages and salaries of employees, supplements to wages and salaries, such as employer contributions to social security, private insurance and pension funds, compensation for injuries, and other minor items of labor income. Nonlabor payments are derived as the difference between labor payments and gross national product in current dollars]

ITEM	1947	1950	1955	1957	1958	1959	1960 (prel.)
Unit labor and nonlabor payments and prices:							
Private nonfarm sector:							
Employee compensation per dollar of real product	96.1	101.8	117.9	128.7	130.9	132.2	136.5
Wages and salaries per dollar of real product	96.1	100.9	115.7	125.4	127.5	128.3	131.8
Nonlabor payments per dollar of real product	93.9	106.8	120.3	125.1	126.4	130.3	129.8
Implicit price change	95.1	104.1	118.9	127.0	128.9	131.3	133.5
Real product per man-hour and real hourly earnings:							
Total private economy:							
Real product per man-hour—all persons	96.7	110.4	128.0	133.0	136.3	142.3	145.5
Real compensation per employee man-hour	98.2	107.5	125.8	134.9	136.5	142.1	146.6
Real wages and salaries per employee man-hour	*98.1*	*106.5*	*123.3*	*131.4*	*133.0*	*137.9*	*141.5*
Private nonfarm sector:							
Real compensation per employee man-hour	97.9	107.7	125.7	134.6	136.1	141.7	147.0
Real wages and salaries per employee man-hour	97.9	106.7	123.3	131.2	132.6	137.5	141.8
Underlying data:							
Total private economy:							
Real product in constant dollars	97.5	110.2	135.4	141.0	138.1	148.1	152.0
Compensation of employees in current dollars	94.2	112.0	159.5	181.9	180.7	196.4	208.0
Wages and salaries of employees in current dollars	94.1	111.0	156.5	177.3	176.0	190.5	200.7
Man-hours of all persons	100.8	99.8	105.8	106.0	101.3	104.1	104.5
Man-hours of employees	100.4	101.4	110.8	112.2	107.2	110.9	112.1
Private nonfarm sector:							
Real product in constant dollars	97.9	110.5	136.7	143.1	139.6	150.4	154.3
Product in current dollars	93.1	115.0	162.6	181.8	179.9	197.5	206.0
Compensation of employees in current dollars	94.1	112.5	161.2	184.1	182.7	198.8	210.6
Wages and salaries of employees in current dollars	94.1	111.5	158.2	179.5	178.0	192.9	203.3
Nonlabor payments in current dollars	91.9	118.0	164.4	179.0	176.4	195.9	200.3
Man-hours of employees	100.6	101.6	112.0	113.8	108.7	112.6	113.3
Average hourly compensation in current dollars	93.5	110.7	143.9	161.8	168.1	176.6	185.9
Average hourly wages and salaries in current dollars	93.5	109.7	141.2	157.7	163.8	171.3	179.4
Real product per employee man-hour	97.3	108.8	122.1	125.7	128.4	133.6	136.2
Consumer Price Index	95.5	102.8	114.5	120.2	123.5	124.6	126.5

Source: Department of Labor, Bureau of Labor Statistics.

No. 291. Indexes of Real Product Per Man-Hour for the Private Economy: 1947 to 1960

[1947-49=100. Excludes Alaska and Hawaii. Covers wage and salary workers, self-employed, and unpaid family workers. See also *Historical Statistics, Colonial Times to 1957*, series W 9-11]

YEAR	Based on establishment reports [1]					Based on labor force reports [2]		
	Total	Agriculture	Nonagricultural industries			Total	Agriculture	Nonagricultural industries
			Total	Manufacturing	Nonmanufacturing			
1947	96.7	90.5	97.5	97.6	97.3	97.4	90.6	98.4
1948	100.2	107.1	99.4	100.1	98.9	100.3	107.5	99.4
1949	103.1	102.2	103.3	102.6	103.9	102.2	101.6	102.4
1950	110.4	116.2	108.8	109.5	108.4	110.3	116.1	108.5
1951	113.2	114.5	110.6	111.2	110.0	115.2	114.1	112.8
1952	115.7	124.5	112.0	113.0	111.3	118.9	124.0	115.5
1953	120.4	138.6	*115.1*	*118.3*	*112.8*	*123.9*	*138.0*	*119.0*
1954	122.6	148.3	116.9	117.4	116.7	127.0	147.9	121.8
1955	128.0	153.5	121.9	125.6	120.0	133.1	152.9	127.5
1956	128.3	156.4	121.5	127.1	118.7	133.6	155.8	127.2
1957	133.0	166.7	125.2	127.7	124.1	138.0	167.0	130.3
1958	136.3	186.9	127.4	(3)	(3)	139.9	187.5	131.1
1959	142.3	185.4	133.1	(3)	(3)	145.8	185.7	136.6
1960 (prel.)	145.5	195.8	135.7	(3)	(3)	148.4	196.4	138.6

[1] Man-hour estimates based primarily on data from establishment reports.
[2] Man-hour estimates based primarily on data from labor force reports.
[3] Not available.

Source: Department of Labor, Bureau of Labor Statistics.

No. 292. Indexes of Output Per Man-Hour for Selected Industries: 1929 to 1960

[1947=100. Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series W 13-32 and W 44]

INDUSTRY	1929	1935	1939	1945	1950	1955	1957	1958	1959	1960 (prel.)
NONMANUFACTURING										
All mining [1 2]	62.9	76.4	90.0	95.5	105.7	------	------	------	------	------
Anthracite [1]	------	87.8	110.6	98.6	95.4	132.9	148.0	190.1	219.8	245.6
Bituminous coal [1]	------	76.1	89.1	94.2	114.5	159.9	166.9	179.2	193.3	212.5
Copper (recoverable metal) [1]	------	88.2	90.2	102.8	114.3	120.4	125.7	138.8	140.1	------
Iron (usable ore) [1]	------	82.6	94.2	104.1	102.5	117.1	107.9	97.7	94.0	------
Lead and zinc (recoverable metal) [1]	------	131.0	132.3	103.4	127.0	116.6	123.0	------	------	------
Railroad transportation (revenue traffic) [3]	56.7	66.2	74.4	103.6	110.5	137.2	146.4	155.2	164.9	------
Telegraph [4]	------	71.8	83.1	97.3	112.4	96.0	89.0	87.3	------	------
MANUFACTURING										
Beet-sugar refining [5 6]	------	88.7	107.4	85.5	123.2	------	------	147.1	------	------
Canning and preserving group [1]	61.6	90.4	90.0	102.5	118.3	145.3	161.6	157.6	------	------
Cement [7]	64.3	72.6	89.7	80.9	116.0	150.7	151.9	164.0	195.4	------
Clay construction products [5 6]	82.9	79.5	94.3	82.9	115.0	135.8	130.8	127.7	------	------
Coke group [7]	87.0	79.7	92.9	93.7	99.2	115.6	119.4	107.1	115.5	------
Confectionery [5 6]	48.1	79.2	89.4	100.4	102.5	127.0	143.9	149.0	------	------
Flour and other grain-mill products [5 6]	95.3	99.5	109.5	99.0	100.0	127.1	142.6	144.4	------	------
Glass containers [5 6]	------	------	77.2	91.4	100.2	105.2	105.6	103.0	------	------
Hosiery total [5 6]	------	------	87.0	114.4	115.4	126.0	129.4	------	------	------
Full-fashioned [5 6]	------	------	81.0	116.5	122.0	139.9	148.2	------	------	------
Seamless [5 6]	------	------	95.3	111.9	109.9	115.5	115.7	------	------	------
Malt liquors [5 6]	------	------	85.5	101.9	120.4	134.5	142.6	155.6	------	------
Paper and pulp [5 6]	80.8	95.5	109.2	95.6	118.9	137.5	146.2	150.0	------	------
Rayon and other synthetic fibers [5 6]	14.2	31.8	46.9	81.1	151.6	224.8	267.9	274.6	------	------
Steel, basic [1 6]	57.8	62.9	79.3	------	111.9	129.4	128.9	126.6	141.9	136.7
Primary smelting and refining of copper, lead, and zinc [5 6]	87.8	74.7	98.0	95.0	122.1	151.1	155.5	158.2	------	------
Tobacco, products group [1 6]	52.5	69.4	80.0	96.5	119.3	126.2	141.4	152.6	160.5	------
Cigars [1 6]	50.4	75.8	91.3	106.9	122.5	141.8	168.6	199.3	228.8	------
Cigarettes, chewing and smoking tobacco, and snuff [1 6]	55.4	62.8	69.6	86.3	115.6	111.5	118.2	119.0	118.1	------

[1] Production worker hours paid.
[2] For 1929, covers almost all industries; for 1935 to 1950, represents 6 principal industries (bituminous coal; anthracite; crude petroleum, natural gas, and natural gasoline; iron; copper; and lead and zinc), representing 80 percent of total employment.
[3] Refers to Class I line-haul railroads; in terms of hours worked plus constructive allowances, for all hourly basis employees.
[4] Output per employee. Covers principal wire-telephone and ocean-cable carriers.
[5] Production worker hours paid prior to 1947, and worked since 1947.
[6] Adjusted to levels indicated by 1947 and 1954 Censuses of Manufactures.
[7] Production worker hours worked.

Source: Department of Labor, Bureau of Labor Statistics.

No. 293. Production Workers and Indexes of Production-Worker Employment and Weekly Payroll in Manufacturing Industries: 1919 to 1960

[1947-49=100. Excludes Alaska and Hawaii. Includes all full- and part-time employees who worked during, or received pay for, any part of the pay period ending nearest 15th of month. Data are adjusted to 1st quarter 1957 benchmark levels indicated by data from Government social insurance programs]

YEAR	EMPLOYMENT		Payroll index	YEAR	EMPLOYMENT		Payroll index
	Annual average (1,000)	Index			Annual average (1,000)	Index	
1919	8,495	68.7	31.1	1950	12,317	99.6	111.7
1920	8,529	69.0	37.1	1951	13,155	106.4	129.8
1925	7,947	64.2	32.1	1952	13,144	106.3	136.6
1929	8,445	68.3	35.0	1953	13,833	111.8	151.4
1930	7,358	59.5	28.3	1954	12,589	101.8	137.7
1935	7,269	58.8	23.5	1955	13,061	105.6	152.9
1940	8,811	71.2	34.0	1956	13,195	106.7	161.4
1945	12,864	104.0	87.8	1957	12,911	104.4	162.7
1946	12,105	97.9	81.2	1958	11,658	94.3	148.7
1947	12,795	103.4	97.7	1959	12,237	98.9	167.2
1948	12,715	102.8	105.1	1960	12,265	99.2	170.3
1949	11,597	93.8	97.2				

Source: Department of Labor, Bureau of Labor Statistics.

No. 294. Hourly and Weekly Earnings and Weekly Hours of Production Workers in Manufacturing Industries: 1940 to 1961

[Excludes Alaska and Hawaii. Net spendable average weekly earnings represent average gross earnings less social security and income taxes for which specified worker is liable. These net spendable earnings are then divided by the BLS consumers price index adjusted to an average 1947–49 base, to obtain net spendable earnings in 1947–49 dollars. Overtime is defined as work in excess of either the straight-time workday or workweek and paid for at time and one-half. Computation of average hourly earnings exclusive of overtime makes no allowance for special rates of pay for work done on holidays. See also *Historical Statistics, Colonial Times to 1957*, series D 626–628]

Year	Gross average weekly earnings	Net spendable average weekly earnings: Worker with no dependents		Net spendable average weekly earnings: Worker with 3 dependents		Average weekly hours	Average hourly earnings	
		Current dollars	1947–49 dollars	Current dollars	1947–49 dollars		Gross	Excluding overtime
1940	$25.20	$24.69	$41.22	$24.95	$41.65	38.1	$0.66	----------
1945	44.39	36.97	48.08	42.74	55.58	43.4	1.02	[1] $0.96
1950	59.33	51.09	49.70	57.21	55.65	40.5	1.47	1.42
1951	64.71	54.04	48.68	61.28	55.21	40.7	1.59	1.53
1952	67.97	55.66	49.04	63.62	56.05	40.7	1.67	1.61
1953	71.69	58.54	51.17	66.58	58.20	40.5	1.77	1.71
1954	71.86	59.55	51.87	66.78	58.17	39.7	1.81	1.76
1955	76.52	63.15	55.15	70.45	61.53	40.7	1.88	1.82
1956	79.99	65.86	56.68	73.22	63.01	40.4	1.98	1.91
1957	82.39	67.57	56.21	74.97	62.37	39.8	2.07	2.01
1958	83.50	68.46	55.43	75.88	61.44	39.2	2.13	2.08
1959	89.47	72.83	58.45	80.36	64.49	40.3	2.22	2.15
1960	90.91	73.49	58.09	81.05	64.07	39.7	2.29	2.23
1961, March (prel.)	90.71	73.34	57.52	80.89	63.44	39.1	2.32	2.26

[1] Eleven-month average; August 1945 excluded because of V–J day holiday period.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 295. Hourly and Weekly Earnings (Including Overtime) in Current and 1960 Prices for Selected Industries: 1940 to 1960

[Excludes Alaska and Hawaii. Data are for production workers in manufacturing, construction workers in building construction, and nonsupervisory employees in retail trade. For current prices, see also *Historical Statistics, Colonial Times to 1957*, series D 626–634 and D 669–677]

Type of earnings and year	Manufacturing: Total		Manufacturing: Durable		Manufacturing: Nondurable		Building construction [2]		Retail trade	
	Current prices	1960 prices [1]	Current prices	1960 prices [1]	Current prices	1960 prices [1]	Current prices	1960 prices [1]	Current prices	1960 prices [1]
Hourly										
1940	$0.661	$1.395	$0.724	$1.527	$0.602	$1.270	$0.958	$2.021	$0.553	$1.167
1945	1.023	1.683	1.111	1.827	.904	1.487	1.379	2.268	.783	1.288
1950	1.465	1.802	1.537	1.891	1.378	1.695	2.031	2.498	1.176	1.446
1953	1.77	1.96	1.87	2.07	1.61	1.78	2.48	2.74	1.40	1.55
1954	1.81	1.99	1.92	2.11	1.66	1.83	2.60	2.86	1.45	1.60
1955	1.88	2.08	2.01	2.22	1.71	1.89	2.66	2.94	1.50	1.66
1956	1.98	2.15	2.10	2.29	1.80	1.96	2.80	3.05	1.57	1.71
1957	2.07	2.18	2.20	2.32	1.88	1.98	2.96	3.12	1.64	1.73
1958	2.13	2.18	2.28	2.34	1.94	1.99	3.10	3.18	1.70	1.74
1959	2.22	2.25	2.38	2.42	2.01	2.04	3.22	3.27	1.76	1.79
1960	2.29	2.29	2.45	2.45	2.08	2.08	3.37	3.37	1.81	1.81
Weekly										
1940	25.20	53.16	28.44	60.00	22.27	46.98	31.70	66.88	23.50	49.58
1945	44.39	73.01	49.05	80.67	38.29	62.98	53.73	88.37	31.55	51.89
1950	59.33	72.98	63.32	77.88	54.71	67.29	73.73	90.69	47.63	58.59
1953	71.69	79.30	77.23	85.43	63.60	70.35	91.76	101.50	54.88	60.71
1954	71.86	79.14	77.18	85.00	64.74	71.30	94.12	103.66	56.70	62.44
1955	76.52	84.55	83.21	91.94	68.06	75.20	96.29	106.40	58.50	64.64
1956	79.99	87.04	86.31	93.92	71.10	77.37	101.92	110.90	60.60	65.94
1957	82.39	86.73	88.66	93.33	73.51	77.38	106.86	112.48	62.48	65.77
1958	83.50	85.55	90.06	92.27	75.27	77.12	110.67	113.39	64.77	66.36
1959	89.47	90.83	97.10	98.58	79.60	80.81	115.28	117.04	67.06	68.08
1960	90.91	90.91	98.25	98.25	81.33	81.33	119.64	119.64	68.24	68.24

[1] Earnings in current prices divided by consumer price index on base 1960=100.

[2] Data for 1940 and 1945 not strictly comparable with later years.

Source: Executive Office of the President, Council of Economic Advisers. Based on Department of Labor data.

No. 296. Hours and Gross Earnings of Production Workers or Nonsupervisory Employees, by Industry: 1950, 1955, and 1960

[Excludes Alaska and Hawaii. Data are based upon reports from cooperating establishments covering both full- and part-time employees who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. For mining, manufacturing, laundries, and cleaning and dyeing plants, data refer to production and related workers only. For contract construction industries, data relate to employees engaged in actual construction work. For other industries, data relate to nonsupervisory employees and working supervisors. See also *Historical Statistics, Colonial Times to 1957*, series D 626-641 and D 669-684, for selected industries]

INDUSTRY	AVERAGE WEEKLY EARNINGS			AVERAGE WEEKLY HOURS			AVERAGE HOURLY EARNINGS		
	1950	1955	1960	1950	1955	1960	1950	1955	1960
Mining	$69.27	$93.07	$109.35	38.0	41.0	40.5	$1.823	$2.27	$2.70
Metal mining	65.58	92.42	111.49	42.2	42.2	41.6	1.554	2.19	2.68
Anthracite	63.24	78.73	88.83	32.1	33.5	32.3	1.970	2.35	2.75
Bituminous-coal	70.35	96.26	117.72	35.0	37.6	36.0	2.010	2.56	3.27
Petroleum and natural-gas production (except contract services)	73.69	94.19	114.49	40.6	40.6	40.6	1.815	2.32	2.82
Nonmetallic mining and quarrying	59.88	80.99	98.29	44.0	44.5	43.3	1.361	1.82	2.27
Contract construction	73.73	95.94	119.72	37.2	36.9	36.5	1.982	2.60	3.28
Nonbuilding construction	73.46	95.11	120.18	40.9	40.3	40.6	1.796	2.36	2.96
Building construction	73.73	96.29	119.64	36.3	36.2	35.5	2.031	2.66	3.37
Manufacturing	59.33	76.52	90.91	40.5	40.7	39.7	1.465	1.88	2.29
Durable goods	63.32	83.21	98.25	41.2	41.4	40.1	1.537	2.01	2.45
Nondurable goods	54.71	68.06	81.33	39.7	39.8	39.1	1.378	1.71	2.08
Ordnance and accessories	64.79	83.44	107.71	41.8	40.7	40.8	1.550	2.05	2.64
Food and kindred products [1]	55.29	72.10	88.51	41.6	41.2	40.6	1.329	1.75	2.18
Meat products [1]	60.07	83.16	99.96	41.6	42.0	40.8	1.444	1.98	2.45
Dairy products	56.11	72.48	89.64	44.5	43.4	41.5	1.261	1.67	2.16
Canning and preserving	46.81	56.50	70.41	39.3	38.7	38.9	1.191	1.46	1.81
Grain-mill products	58.03	77.62	96.80	43.5	44.1	43.8	1.334	1.76	2.21
Bakery products [1]	53.54	70.35	87.64	41.5	40.9	40.2	1.290	1.72	2.18
Sugar	58.81	77.09	98.33	43.4	43.8	43.7	1.355	1.76	2.25
Confectionery and related products	46.72	58.11	71.46	39.9	39.8	39.7	1.171	1.46	1.80
Beverages	62.91	82.22	98.40	41.5	40.5	40.0	1.516	2.03	2.46
Miscellaneous food products [1]	54.99	67.97	87.14	42.2	41.7	41.3	1.303	1.63	2.11
Tobacco manufactures	40.77	51.60	65.53	38.1	38.8	38.1	1.070	1.33	1.72
Cigarettes	50.19	67.30	79.87	39.0	40.3	38.4	1.287	1.67	2.08
Cigars	35.76	43.90	54.23	36.9	37.2	37.4	.969	1.18	1.45
Tobacco and snuff	42.79	54.17	67.16	37.7	37.1	36.9	1.135	1.46	1.82
Tobacco stemming and redrying	37.59	42.08	53.43	39.4	39.7	39.0	.954	1.06	1.37
Textile-mill products	48.95	55.74	63.99	39.6	40.1	39.5	1.236	1.39	1.62
Scouring and combing plants	------	63.86	70.24	------	41.2	40.6	------	1.55	1.73
Yarn and thread mills	45.01	50.04	58.44	38.9	39.4	38.7	1.157	1.27	1.51
Broad-woven fabric mills	49.28	54.27	64.48	40.1	40.5	40.3	1.229	1.34	1.60
Narrow fabrics and small wares	------	56.28	65.40	------	40.2	39.4	------	1.40	1.66
Knitting mills	44.13	50.81	57.15	37.4	38.2	37.6	1.180	1.33	1.52
Dyeing and finishing textiles	53.87	65.14	71.10	40.9	42.3	40.4	1.317	1.54	1.76
Carpets, rugs, other floor coverings	62.33	73.74	79.58	41.5	41.9	40.6	1.502	1.76	1.96
Hats (except cloth and millinery)	------	58.03	59.81	------	37.2	35.6	------	1.56	1.68
Miscellaneous textile goods	------	66.56	75.39	------	41.6	40.1	------	1.60	1.88
Apparel and other finished textile products [1]	43.68	49.41	55.69	36.4	36.6	35.7	1.200	1.35	1.56
Men's and boys' suits and coats	50.22	59.86	68.64	36.9	36.5	37.1	1.361	1.64	1.85
Men's and boys' furnishings and work clothing	36.43	41.92	48.05	36.8	37.1	36.4	.990	1.13	1.32
Women's outerwear [1]	49.41	52.90	57.96	34.7	35.5	33.5	1.424	1.49	1.73
Women's, children's under garments	38.38	44.77	51.12	36.9	36.7	36.0	1.040	1.22	1.42
Millinery	54.21	56.99	63.54	35.2	36.3	33.8	1.540	1.57	1.88
Children's outerwear	38.98	45.38	51.70	36.5	37.2	35.9	1.068	1.22	1.44
Miscellaneous apparel and accessories	------	45.63	52.71	------	37.1	36.1	------	1.23	1.46
Other fabricated textile products	42.06	51.32	62.48	38.2	38.3	38.1	1.101	1.34	1.64
Lumber and wood products (exc. furniture)	55.31	68.88	79.98	41.0	41.0	39.4	1.349	1.68	2.03
Sawmills and planing mills	54.95	69.55	77.61	40.7	41.4	39.8	1.350	1.68	1.95
Millwork, plywood, and prefabricated structural wood products	60.52	73.99	82.56	43.2	41.8	39.5	1.401	1.77	2.09
Wooden containers	46.03	52.48	60.50	40.7	41.0	39.8	1.131	1.28	1.52
Miscellaneous wood products	47.07	57.82	68.38	41.4	41.6	40.7	1.137	1.39	1.68
Furniture and fixtures	53.67	67.07	74.59	41.9	41.4	40.1	1.281	1.62	1.86
Household furniture	51.91	64.17	70.22	41.9	41.4	39.9	1.239	1.55	1.76
Office, public-building, and professional furniture	------	75.78	87.95	------	42.1	41.1	------	1.80	2.14
Partitions, shelving, lockers, and fixtures	------	80.78	94.40	------	40.8	40.0	------	1.98	2.36
Screens, blinds, and miscellaneous furniture and fixtures	------	65.67	76.40	------	41.3	40.0	------	1.59	1.91
Paper and allied products	61.14	78.69	96.22	43.3	43.0	42.2	1.412	1.83	2.28
Pulp, paper, and paperboard mills	65.06	85.94	105.03	43.9	44.3	43.4	1.482	1.94	2.42
Paperboard containers and boxes [1]	57.96	73.85	88.13	43.0	42.2	40.8	1.348	1.75	2.16
Other paper and allied products	55.48	69.97	85.28	42.0	41.4	41.0	1.321	1.69	2.08

See footnotes at end of table.

No. 296. Hours and Gross Earnings of Production Workers or Nonsupervisory Employees, by Industry: 1950, 1955, and 1960—Continued

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1950	1955	1960	1950	1955	1960	1950	1955	1960
Manufacturing—Continued									
Printing, publishing, and allied industries	$73.99	$91.42	$105.81	38.8	38.9	38.2	$1.907	$2.35	$2.77
Newspapers	80.00	96.65	111.43	36.9	36.2	35.6	2.168	2.67	3.13
Periodicals	74.18	92.97	116.44	39.5	39.9	41.0	1.878	2.33	2.84
Books	64.08	80.40	93.43	39.1	40.0	40.1	1.639	2.01	2.33
Commercial printing	72.34	90.23	105.72	39.9	40.1	39.3	1.813	2.25	2.69
Lithographing	73.04	91.66	108.63	40.0	40.2	39.5	1.826	2.28	2.75
Greeting cards	------	56.68	73.33	------	38.3	38.8	------	1.48	1.89
Bookbinding and related industries	------	70.09	82.56	------	39.6	38.4	------	1.77	2.15
Miscellaneous publishing and printing services	------	109.05	117.73	------	39.8	38.1	------	2.74	3.09
Chemicals and allied products	62.67	82.39	103.91	41.5	41.4	41.4	1.510	1.99	2.51
Industrial inorganic chemicals	67.89	89.98	115.37	40.9	40.9	41.5	1.660	2.20	2.78
Industrial organic chemicals	65.69	87.33	110.54	46.6	41.0	41.4	1.618	2.13	2.67
Drugs and medicines[1]	59.59	75.07	93.96	40.9	40.8	40.5	1.457	1.84	2.32
Soap, cleaning and polishing preparations	------	85.07	111.64	------	40.9	41.5	------	2.08	2.69
Paints, pigments, and fillers	64.80	84.18	100.86	42.3	42.3	41.0	1.532	1.99	2.46
Gum and wood chemicals	------	71.98	86.94	------	43.1	42.0	------	1.67	2.07
Fertilizers	47.00	63.90	80.41	41.3	42.6	43.0	1.138	1.50	1.87
Vegetable and animal oils and fats	53.46	71.14	88.80	45.5	45.6	44.4	1.175	1.56	2.00
Miscellaneous chemicals	------	75.48	95.41	------	40.8	40.6	------	1.85	2.35
Products of petroleum and coal	75.01	97.00	118.44	40.9	41.1	40.7	1.834	2.36	2.91
Petroleum refining	77.93	100.37	122.51	40.4	40.8	40.7	1.929	2.46	3.01
Coke, other petroleum and coal products	------	86.31	105.93	------	41.9	40.9	------	2.06	2.59
Rubber products	64.42	87.15	100.04	40.9	41.7	39.7	1.575	2.09	2.52
Tires and inner tubes	72.48	101.09	116.42	39.8	41.6	39.2	1.821	2.43	2.97
Rubber footwear	52.21	70.70	80.39	40.1	40.4	39.6	1.302	1.75	2.03
Other rubber products	59.76	78.35	91.43	42.2	41.9	40.1	1.416	1.87	2.28
Leather and leather products	44.56	53.44	60.52	37.6	37.9	36.9	1.185	1.41	1.64
Leather: tanned, curried, and finished	57.21	72.40	83.50	39.7	40.0	39.2	1.441	1.81	2.13
Industrial leather belting and packing	------	71.81	78.19	------	40.8	38.9	------	1.76	2.01
Boot and shoe cut stock and findings	------	51.95	58.09	------	38.2	37.0	------	1.36	1.57
Footwear (except rubber)	41.99	49.98	58.24	36.9	37.3	36.4	1.138	1.34	1.60
Luggage	------	60.28	64.39	------	39.4	38.1	------	1.53	1.69
Handbags and small leather goods	------	48.51	57.38	------	38.2	37.5	------	1.27	1.53
Gloves and miscellaneous leather goods	------	46.38	53.22	------	37.1	36.7	------	1.25	1.45
Stone, clay, and glass products	59.20	77.19	92.34	41.2	41.5	40.5	1.437	1.86	2.28
Flat glass	------	114.38	127.66	------	43.0	40.4	------	2.66	3.16
Glass and glassware, pressed or blown	------	74.82	91.77	------	39.8	39.9	------	1.88	2.30
Glass products made of purchased glass	------	65.03	74.29	------	40.9	39.1	------	1.59	1.90
Cement, hydraulic	60.13	78.85	102.87	41.7	41.5	40.5	1.442	1.90	2.54
Structural clay products[1]	54.19	70.04	81.81	40.5	41.2	40.3	1.338	1.70	2.03
Pottery and related products	52.16	66.38	81.65	37.5	37.5	37.8	1.391	1.77	2.16
Concrete, gypsum, and plaster products	62.64	78.23	92.66	45.0	44.7	42.7	1.392	1.75	2.17
Cut-stone and stone products	------	67.78	76.33	------	42.1	40.6	------	1.61	1.88
Miscellaneous nonmetallic mineral products	------	81.12	97.20	------	41.6	40.5	------	1.95	2.40
Primary metal industries	67.24	92.29	110.09	40.8	41.2	38.9	1.648	2.24	2.83
Blast furnaces, steel works, and rolling mills	67.47	95.99	116.66	39.9	40.5	38.0	1.691	2.37	3.07
Iron and steel foundries	65.32	85.06	96.75	41.9	41.9	38.7	1.559	2.03	2.50
Primary smelting and refining of nonferrous metals	63.71	84.66	109.33	41.0	40.7	41.1	1.554	2.08	2.66
Secondary smelting and refining of nonferrous metals	------	81.45	94.24	------	42.2	40.1	------	1.93	2.35
Rolling, drawing, and alloying of nonferrous metals	66.75	89.89	110.03	41.9	42.2	40.6	1.593	2.13	2.71
Nonferrous foundries	67.65	85.89	101.30	41.5	40.9	40.2	1.630	2.10	2.52
Miscellaneous primary metal industries	------	97.10	111.48	------	42.4	40.1	------	2.29	2.78
Fabricated metal products (except ordnance, machinery, and transportation equipment)	63.42	82.37	99.23	41.4	41.6	40.5	1.532	1.98	2.45
Tin cans and other tinware	60.90	85.69	114.54	41.6	41.8	41.5	1.464	2.05	2.76
Cutlery, hand tools, and hardware	61.01	79.30	94.07	41.5	41.3	40.2	1.470	1.92	2.34
Heating apparatus (except electric) and plumbers' supplies	63.91	78.18	91.80	41.1	40.3	38.9	1.555	1.94	2.36
Fabricated structural metal products	63.29	83.01	100.12	41.1	41.3	40.7	1.540	2.01	2.46
Metal stamping, coating, and engraving	64.22	86.10	105.88	41.3	42.0	41.2	1.555	2.05	2.57
Lighting fixtures	------	78.72	89.78	------	41.0	39.9	------	1.92	2.25
Fabricated wire products	------	77.87	90.00	------	41.2	40.0	------	1.89	2.25
Miscellaneous fabricated metal products	------	84.08	95.91	------	42.9	40.3	------	1.96	2.38

See footnotes at end of table.

No. 296. Hours and Gross Earnings of Production Workers or Nonsupervisory Employees, by Industry: 1950, 1955, and 1960—Continued

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1950	1955	1960	1950	1955	1960	1950	1955	1960
Manufacturing—Continued									
Machinery (except electrical)	$67.21	$87.36	$104.86	41.8	41.8	40.8	$1.608	$2.09	$2.57
Engines and turbines	69.43	91.08	112.19	40.7	41.4	40.5	1.706	2.20	2.77
Agricultural machinery and tractors	64.60	83.84	103.48	40.1	40.5	39.8	1.611	2.07	2.60
Construction and mining machinery	65.97	86.92	100.95	42.4	42.4	39.9	1.556	2.05	2.53
Metalworking machinery	71.54	98.10	116.75	43.2	43.6	42.3	1.656	2.25	2.76
Special-industry machinery (except metal working machinery)	65.74	83.58	101.40	41.9	42.0	41.9	1.569	1.99	2.42
General industrial machinery	66.33	86.11	102.16	41.9	41.8	40.7	1.583	2.06	2.51
Office and store machines and devices	66.95	82.81	104.34	41.1	40.2	40.6	1.629	2.06	2.57
Service-industry and household machines	67.26	83.64	98.80	41.7	40.8	40.0	1.613	2.05	2.47
Miscellaneous machinery parts	66.15	85.88	101.15	42.0	42.1	40.3	1.575	2.04	2.51
Electrical machinery	60.21	76.52	91.77	41.1	40.7	39.9	1.465	1.88	2.30
Electrical generating, transmission, distribution, and industrial apparatus	63.75	80.57	96.40	41.1	40.9	40.0	1.551	1.97	2.41
Electrical appliances	------	79.17	90.71	------	40.6	39.1	------	1.95	2.32
Insulated wire and cable	------	77.04	88.20	------	42.1	41.8	------	1.83	2.11
Electrical equipment for vehicles	66.22	83.64	98.60	41.7	41.2	39.6	1.588	2.03	2.49
Electric lamps	------	68.80	87.86	------	40.0	39.4	------	1.72	2.23
Communication equipment	55.49	72.09	88.58	41.1	40.5	39.9	1.350	1.78	2.22
Miscellaneous electrical products	------	74.48	89.60	------	40.7	40.0	------	1.83	2.24
Transportation equipment	71.18	93.44	111.78	41.0	41.9	40.5	1.736	2.23	2.76
Motor vehicles and equipment	73.25	97.78	114.65	41.2	42.7	40.8	1.778	2.29	2.81
Aircraft and parts	68.39	89.62	110.16	41.6	41.3	40.8	1.644	2.17	2.70
Ship and boat building and repairing	63.28	83.53	105.57	38.4	39.4	39.1	1.648	2.12	2.70
Railroad equipment	66.33	90.45	108.29	39.6	40.2	38.4	1.675	2.25	2.82
Other transportation equipment	64.44	77.83	86.08	41.9	41.4	38.6	1.538	1.88	2.23
Instruments and related products	60.81	77.93	95.34	41.2	40.8	40.4	1.476	1.91	2.36
Laboratory, scientific, and engineering instruments	------	88.99	114.68	------	41.2	41.7	------	2.16	2.75
Mechanical measuring and controlling instruments	------	79.15	93.20	------	40.8	40.0	------	1.94	2.35
Optical instruments and lenses	------	78.36	96.93	------	40.6	40.9	------	1.93	2.37
Surgical, medical, and dental instruments	------	69.02	84.65	------	40.6	40.5	------	1.70	2.09
Ophthalmic goods	50.88	62.52	78.99	40.7	40.6	39.3	1.250	1.54	2.01
Photographic apparatus	65.59	85.70	107.83	41.2	41.2	41.0	1.592	2.08	2.63
Watches and clocks	53.25	69.20	77.42	39.8	40.0	39.1	1.338	1.73	1.98
Miscellaneous manufacturing industries	54.04	67.40	77.61	41.0	40.6	39.8	1.318	1.66	1.95
Jewelry, silverware, and plated ware	58.42	71.40	80.18	42.8	42.0	40.7	1.365	1.70	1.97
Musical instruments and parts	------	75.44	90.13	------	41.0	40.6	------	1.84	2.22
Toys and sporting goods [1]	50.98	60.52	70.80	40.4	39.3	38.9	1.262	1.54	1.82
Pens, pencils, and other office supplies	------	62.88	70 56	------	41.1	39.2	------	1.53	1.80
Costume jewelry, buttons, notions	49.52	60.30	68.64	40.0	40.2	39.0	1.238	1.50	1.76
Fabricated plastic products	------	72.80	83.03	------	41.6	40.7	------	1.75	2.04
Other manufacturing industries	------	70.30	80.59	------	40.4	39.7	------	1.74	2.03
Transportation and public utilities:									
Class I railroads [1]	64.14	82.12	108.42	40.8	41.9	41.7	1.572	1.96	2.60
Local railway and bus lines [2]	67.69	80.60	99.10	45.4	43.1	42.9	1.491	1.87	2.31
Telephone	54.38	72.07	89.27	38.9	39.6	39.5	1.398	1.82	2.26
Telegraph [1] [3]	64.14	78.54	100.73	44.7	42.0	42.5	1.435	1.87	2.37
Gas and electric utilities	66.60	86.52	110.43	41.6	41.2	40.9	1.601	2.10	2.70
Trade:									
Wholesale trade	60.36	77.14	92.46	40.7	40.6	40.2	1.483	1.90	2.30
Retail trade (except eating and drinking places)	47.63	58.50	68.24	40.5	39.0	37.7	1.176	1.50	1.81
General merchandise stores	35.95	41.65	49.97	36.8	35.3	34.7	.977	1.18	1.44
Food and liquor stores	51.79	61.72	71.00	40.4	38.1	35.5	1.282	1.62	2.00
Automotive and accessories dealers	61.65	79.64	89.56	45.7	44.0	43.9	1.349	1.81	2.04
Apparel and accessories stores	40.70	46.82	52.48	36.5	35.2	34.3	1.115	1.33	1.53
Other retail trade:									
Furniture and appliance stores	56.12	66.94	76.48	43.5	42.1	40.9	1.290	1.59	1.87
Lumber and hardware supply stores	54.62	69.82	81.90	43.8	43.1	42.0	1.247	1.62	1.95
Finance, insurance, and real estate:									
Banks and trust companies [1]	46.44	59.28	69.94	------	------	37.4	------	------	1.87
Security dealers and exchanges	81.48	102.13	113.46	------	------	------	------	------	------
Insurance carriers	58.49	73.29	87.95	------	------	------	------	------	------
Service and miscellaneous:									
Hotels, year-round [4]	33.85	41.09	48.68	43.9	41.5	39.9	.771	.99	1.22
Laundries	35.47	40.70	48.07	41.2	40.3	39.4	.861	1.01	1.22
Cleaning and dyeing plants	41.69	47.40	54.43	41.2	39.5	38.6	1.012	1.20	1.41
Motion picture production and distribution	------	93.78	115.05	------	------	------	------	------	------

[1] 1950 data not strictly comparable with those shown for later years.
[2] Beginning 1955, data include only privately operated establishments. [3] Excludes messengers.
[4] Money payments only; additional value of board, room, uniforms, and tips excluded.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 297. Hours and Gross Earnings of Production Workers in Manufacturing Industries, by States: 1959 and 1960

STATE	AVERAGE WEEKLY EARNINGS		AVERAGE WEEKLY HOURS		AVERAGE HOURLY EARNINGS	
	1959	1960	1959	1960	1959	1960
United States [1]	$89.47	$90.91	40.3	39.7	$2.22	$2.29
New England:						
Maine	69.19	71.15	40.7	40.2	1.70	1.77
New Hampshire	69.26	70.45	40.5	39.8	1.71	1.77
Vermont	74.76	76.59	42.0	41.4	1.78	1.85
Massachusetts	80.93	81.96	39.9	39.2	2.03	2.09
Rhode Island	72.98	73.70	40.1	39.2	1.82	1.88
Connecticut	93.11	93.26	41.2	40.2	2.26	2.32
Middle Atlantic:						
New York	87.71	89.61	39.3	38.8	2.23	2.31
New Jersey	92.45	93.93	40.3	39.6	2.29	2.37
Pennsylvania	88.70	89.86	39.6	38.9	2.24	2.31
East North Central:						
Ohio	102.82	104.13	40.7	40.0	2.53	2.60
Indiana	100.35	100.49	41.0	40.0	2.45	2.51
Illinois	96.66	97.70	40.6	40.0	2.38	2.45
Michigan	108.71	112.00	40.9	40.8	2.66	2.75
Wisconsin	94.55	96.32	41.3	40.6	2.29	2.37
West North Central:						
Minnesota	92.02	94.95	40.5	40.3	2.27	2.36
Iowa	93.22	93.68	40.8	39.8	2.29	2.35
Missouri	85.11	87.57	39.7	39.1	2.14	2.24
North Dakota	81.65	81.56	42.1	41.4	1.94	1.97
South Dakota	90.32	90.90	46.8	45.0	1.93	2.02
Nebraska	84.80	87.28	42.4	42.0	2.00	2.08
Kansas	93.72	95.82	40.9	40.6	2.29	2.36
South Atlantic:						
Delaware	89.82	89.83	40.1	39.4	2.24	2.28
Maryland	88.32	90.63	40.1	40.1	2.20	2.26
Virginia	69.02	70.62	40.6	39.9	1.70	1.77
West Virginia	92.43	93.27	39.0	38.7	2.37	2.41
North Carolina	61.20	61.14	40.8	39.7	1.50	1.54
South Carolina	61.61	63.27	40.8	40.3	1.51	1.57
Georgia	64.88	65.40	40.3	39.4	1.61	1.66
Florida	73.51	76.07	41.3	40.9	1.78	1.86
East South Central:						
Kentucky	83.02	83.92	40.3	39.4	2.06	2.13
Tennessee	71.46	73.23	40.6	39.8	1.76	1.84
Alabama	74.21	75.65	39.9	39.4	1.86	1.92
Mississippi	60.64	60.50	40.7	39.8	1.49	1.52
West South Central:						
Arkansas	62.02	62.71	40.8	40.2	1.52	1.56
Louisiana	85.08	86.50	41.1	40.8	2.07	2.12
Oklahoma	85.70	85.47	41.4	40.7	2.07	2.10
Texas	89.02	89.19	41.6	41.1	2.14	2.17
Mountain:						
Montana	94.17	95.55	39.4	39.0	2.39	2.45
Idaho	90.01	90.00	41.1	40.0	2.19	2.25
Wyoming	94.22	95.25	38.3	37.5	2.46	2.54
Colorado	95.71	98.25	40.9	40.6	2.34	2.42
New Mexico	83.23	84.02	41.0	40.2	2.03	2.09
Arizona	98.09	99.14	40.7	40.3	2.41	2.46
Utah	93.60	98.89	40.0	40.2	2.34	2.46
Nevada	107.68	113.30	41.1	41.2	2.62	2.75
Pacific:						
Washington	98.81	101.78	38.9	38.7	2.54	2.63
Oregon	96.36	97.04	38.7	38.1	2.49	2.55
California	101.71	104.28	40.2	39.8	2.53	2.62
Alaska	----------	127.81	----------	38.4	----------	3.34

[1] Excludes Alaska and Hawaii.

Source: Department of Labor, Bureau of Labor Statistics; *Employment and Earnings*.

No. 298. Estimated Percent Distribution of Production Workers in Manufacturing Industries, by Average Straight-Time Hourly Earnings, by Regions: 1954 and 1958

[1954 as of April; 1958 as of May. Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Regions: *Northeast*—Conn., Maine, Mass, N.H., N.J., N.Y., Pa., R.I., Vt.; *South*—Ala., Ark., Del., D.C., Fla., Ga., Ky., La., Md., Miss., N.C., Okla., S.C., Tenn., Tex., Va., W. Va.; *North Central*—Ill., Ind., Iowa, Kans., Mich., Minn., Mo., Nebr., N. Dak., Ohio, S. Dak., Wis.; *West*—Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Oreg., Utah, Wash., and Wyo.]

Average hourly earnings	United States		Northeast		South		North Central		West	
	Workers	Cumulative workers	Workers	Cumulative workers	Workers	Cumulative workers	Workers	Cumulative workers	Workers	Cumulative workers
1954										
Under $1.00	10.1	10.2	8.1	8.0	28.2	28.2	4.0	4.1	1.7	1.8
$1.00 to $1.09	5.1	15.3	5.2	13.2	10.4	38.6	2.8	6.9	1.6	3.4
$1.10 to $1.19	4.7	20.0	5.4	18.6	8.0	46.6	2.9	9.8	1.6	4.9
$1.20 to $1.29	5.3	25.4	6.5	25.1	7.0	53.6	3.8	13.6	3.1	8.0
$1.30 to $1.39	5.7	31.1	7.0	32.1	6.1	59.8	4.7	18.4	3.2	11.2
$1.40 to $1.49	6.0	37.1	7.8	39.9	5.5	65.3	5.2	23.6	3.4	14.5
$1.50 to $1.59	7.5	44.6	8.7	48.6	5.9	71.2	7.9	31.5	5.1	19.6
$1.60 to $1.69	8.0	52.5	8.4	56.9	4.8	76.1	9.4	40.9	7.6	27.2
$1.70 to $1.79	7.6	60.2	7.8	64.7	4.1	80.2	9.1	50.1	8.7	35.9
$1.80 to $1.89	7.5	67.6	6.9	71.6	3.8	84.0	9.1	59.2	12.1	48.0
$1.90 to $1.99	7.5	75.2	5.8	77.3	3.3	87.4	10.9	70.1	11.0	59.0
$2.00 to $2.19	10.7	85.9	9.0	86.3	5.6	92.9	13.7	83.7	18.0	77.0
$2.20 to $2.39	6.1	91.9	5.4	91.7	3.5	96.4	6.9	90.7	10.5	87.5
$2.40 to $2.59	3.6	95.5	3.3	95.0	1.9	98.3	4.2	94.9	5.6	93.2
$2.60 to $2.79	1.8	97.3	1.8	96.8	0.8	99.1	2.2	97.1	2.6	95.8
$2.80 to $2.99	1.0	98.3	1.1	97.9	0.4	99.5	1.2	98.3	1.4	97.3
$3.00 and over	1.7	100.0	2.1	100.0	0.5	100.0	1.7	100.0	2.7	100.0
1958										
Under $1.00	0.3	0.3	0.1	0.1	0.9	0.9	0.2	0.2	0.1	0.1
$1.00 to $1.09	7.6	7.9	5.4	5.5	20.8	21.7	3.0	3.2	2.1	2.2
$1.10 to $1.19	5.3	13.2	5.4	10.9	10.8	32.5	2.6	5.9	1.1	3.4
$1.20 to $1.29	5.5	18.6	6.2	17.1	9.6	42.1	2.9	8.8	1.8	5.2
$1.30 to $1.39	4.3	22.9	5.5	22.6	6.2	48.3	2.7	11.4	1.7	6.9
$1.40 to $1.49	4.1	27.0	4.9	27.5	4.9	53.3	3.3	14.7	1.9	8.8
$1.50 to $1.59	4.8	31.8	6.1	33.6	4.9	58.2	3.9	18.6	2.9	11.6
$1.60 to $1.69	4.7	36.5	5.6	39.2	4.4	62.6	4.5	23.1	3.0	14.7
$1.70 to $1.79	5.1	41.7	6.1	45.3	4.4	66.9	5.0	28.1	3.7	18.4
$1.80 to $1.89	5.2	46.9	5.7	51.0	3.3	70.2	6.1	34.2	4.5	22.9
$1.90 to $1.99	5.0	51.8	5.2	56.2	3.2	73.4	5.7	39.8	5.9	28.8
$2.00 to $2.19	11.8	63.7	11.5	67.8	5.6	79.1	14.6	54.4	17.8	46.6
$2.20 to $2.39	11.7	75.4	10.1	77.8	6.0	85.1	16.1	70.5	15.3	61.9
$2.40 to $2.59	8.5	84.0	7.8	85.6	4.9	90.0	10.5	81.0	12.8	74.7
$2.60 to $2.79	6.1	90.0	5.4	91.1	3.5	93.5	6.9	87.8	11.3	86.0
$2.80 to $2.99	4.2	94.3	3.7	94.7	3.2	96.7	5.3	93.0	5.5	91.4
$3.00 and over	5.7	100.0	5.3	100.0	3.3	100.0	7.0	100.0	8.6	100.0

Source: Department of Labor, Bureau of Labor Statistics; *Factory Workers' Earnings: Distribution by Straight-time Hourly Earnings, April 1954* (Bulletin No.1179) and *Factory Workers' Earnings*, May 1958. (Bulletin No. 1252.)

No. 299. Percent of Office and Plant Workers Employed in Establishments Having Formal Provisions for Selected Supplementary Wage Benefits, 188 Standard Metropolitan Statistical Areas: 1960

[Surveys relate geographically to the 188 standard metropolitan statistical areas in the United States, excluding Alaska and Hawaii, as established by the Bureau of the Budget through 1959. Based on occupational wage surveys conducted in 60 areas, selected to represent the 188 areas; 18 of the areas were surveyed in late 1959, and 42 during the first half of 1960. Data obtained from sample of establishments which employ 50 workers or more, except in 11 of the largest areas where the minimum size was 100 employees for manufacturing, public utilities, and retail trade; see source. Excludes data for government institutions, and construction and extractive industries. Excludes administrative, executive, and professional employees]

Type of benefit	Office workers	Plant workers	Type of benefit	Office workers	Plant workers
Paid holidays: [1]			Paid vacations: [3]—Con.:		
Under 6 days	5	9	4 weeks or more	39	25
6 or more days	95	87	After 20 years of service	13	9
7 or more days	76	66	After 25 years of service	33	22
8 or more days	42	22	Health, insurance, and pension plans:		
9 or more days	24	7	Life insurance	92	89
11 or more days	12	2	Hospitalization	83	86
12 or more days	4	(2)	Surgical	82	84
Paid vacations: [3]			Medical	61	59
2 weeks or more	99	94	Catastrophe	42	20
After 1 year of service	76	21	Sickness and accident insurance	43	65
After 5 years of service	99	94	Sick leave (full pay and no waiting period)	59	14
3 weeks or more	85	76	Sick leave (partial pay and/or waiting period)	8	10
After 5 years of service	9	6	Retirement pension [4]	76	66
After 10 years of service	38	27			
After 15 years of service	82	74			

[1] Relates to holidays provided annually. Data represent half-day and full-day holidays combined.
[2] Less than 0.5 percent. [3] Such payments as percentages of annual earning or flat-sum payments were converted to an equivalent time basis. [4] Includes retirement-type profit-sharing plans.

No. 300. Farm Wage Workers—Average Number of Days Worked and Average Wages Earned at Farm and Nonfarm Wage Work, by Selected Characteristics: 1959

[Based on sample. Includes approximately 75,000 foreign nationals, mostly Mexicans contracted under international agreement, who were in the United States at time of survey in February 1960]

Item	Total				Farm			Nonfarm		
	Number of workers (1,000)	Days worked	Wages earned: Per year	Wages earned: Per day worked [1]	Days worked	Wages earned: Per year	Wages earned: Per day worked [1]	Days worked	Wages earned: Per year	Wages earned: Per day worked [1]
Total	**3,577**	**119**	**$814**	**$6.85**	**88**	***$524***	***$5.95***	***31***	***$290***	***$9.40***
25 days or more	**2,166**	**161**	**1,038**	**6.45**	**138**	**829**	**6.00**	**23**	**209**	**9.00**
Migratory [2]	346	143	911	6.40	119	710	6.00	24	201	8.40
Nonmigratory	1,819	165	1,063	6.45	142	852	6.00	23	211	9.10
Male	1,690	183	1,237	6.75	157	980	6.25	26	257	9.75
Female	476	85	333	3.90	73	292	4.00	12	41	3.30
Perquisites [3]	916	189	1,120	5.90	168	922	5.50	21	198	9.25
No perquisites	1,249	141	977	6.95	116	760	6.55	25	217	8.85
Hand labor	1,228	122	649	5.30	103	526	5.10	19	123	6.60
With machines	586	186	1,369	7.35	157	1,080	6.85	29	289	9.95
With livestock	351	258	1,847	7.15	228	1,467	6.40	30	380	12.75
Less than 25 days	**1,412**	**54**	**471**	**8.70**	**12**	**57**	**4.90**	**42**	**414**	**9.75**
Migratory [2]	131	62	513	8.15	13	81	6.10	49	432	8.70
Nonmigratory	1,281	53	466	8.80	11	54	4.75	42	412	9.90
Male	880	66	671	10.10	11	60	5.35	55	611	11.05
Female	531	33	138	4.15	12	51	4.20	21	87	4.15
Perquisites [3]	239	62	597	9.60	12	68	5.55	50	529	10.60
No perquisites	1,173	52	445	8.50	11	55	4.75	41	390	9.55

[1] Rounded to the nearest 5 cents.
[2] Represents farm workers who left their homes temporarily to work in another county or counties.
[3] Represents workers who received items in addition to cash wages, the cash value of which is undetermined.
Source: Department of Agriculture, Agricultural Marketing Service; *The Hired Farm Working Force of 1959.*

No. 301. Farm Employment and Wage Rates: 1950 to 1961

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 73–80]

Year or month	Employment [1] (1,000): Total	Employment [1] (1,000): Family [2]	Employment [1] (1,000): Hired [3]	Wage rates [4]: Per month, With board	Wage rates [4]: Per month, Without board	Wage rates [4]: Per day, With board	Wage rates [4]: Per day, Without board	Index of farm wage rates (1910–14 = 100)
1950	9,926	7,597	2,329	$99.00	$121.00	$4.45	$4.50	432
1951	9,546	7,310	2,236	113.00	137.00	5.00	5.00	481
1952	9,149	7,005	2,144	119.00	146.00	5.30	5.30	508
1953	8,864	6,775	2,089	122.00	151.00	5.40	5.30	517
1954	8,639	6,579	2,060	120.00	151.00	5.30	5.30	508
1955	8,364	6,347	2,017	123.00	154.00	5.40	5.30	519
1956	7,820	5,899	1,921	128.00	161.00	5.60	5.60	542
1957	7,577	5,682	1,895	133.00	168.00	5.80	5.80	560
1958	7,525	5,570	1,955	137.00	176.00	6.10	6.00	582
1959	7,384	5,459	1,925	144.00	186.00	6.30	6.40	614
1960	7,118	5,249	1,869	149.00	192.00	6.50	6.60	629
March	5,994	4,763	1,231	145.00	186.00	5.90	6.40	649
1961, March	5,970	4,695	1,275	148.00	188.00	6.00	6.50	647

[1] Data are arithmetic means of monthly estimates of persons employed during last complete calendar week in each month ending at least 1 day before last of month.
[2] Includes farm operators doing 1 or more hours of farm work and members of their families doing 15 hours or more of unpaid farm work during survey week.
[3] Includes all persons doing one or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.
[4] Weighted averages of wage rates as reported quarterly by crop reporters. U.S. estimates affected by importance of rates in particular regions; see table 302.
Source: Department of Agriculture, Agricultural Marketing Service; monthly report, *Farm Labor.*

No. 302. Farm Wage Rates, by Geographic Divisions: 1950 to 1960

[Excludes Alaska and Hawaii. Some wage rates in certain geographic divisions not obtained because seldom used; U.S. rates include estimates for these divisions]

Geographic division [1]	Annual average						1960			
	1950	1955	1957	1958	1959	1960	Jan. 1	Apr. 1	July 1	Oct. 1
Per month with board and room:										
United States	$99.00	$123.00	$133.00	$137.00	$144.00	$149.00	$152.00	$145.00	$149.00	$147.00
New England	95.00	127.00	146.00	149.00	150.00	154.00	152.00	156.00	153.00	152.00
Middle Atlantic	93.60	120.00	132.00	137.00	139.00	144.00	143.00	144.00	146.00	144.00
East North Central	94.00	121.00	132.00	132.00	137.00	142.00	136.00	141.00	142.00	144.00
West North Central	101.00	124.00	131.00	135.00	142.00	145.00	138.00	146.00	152.00	144.00
Mountain	124.00	151.00	160.00	164.00	169.00	173.00	169.00	174.00	179.00	172.00
Pacific	149.00	185.00	201.00	202.00	208.00	213.00	208.00	208.00	209.00	213.00
Per month with house:										
United States	121.00	154.00	168.00	176.00	186.00	192.00	194.00	186.00	200.00	186.00
New England	128.00	170.00	191.00	199.00	203.00	209.00	207.00	214.00	210.00	206.00
Middle Atlantic	128.00	168.00	186.00	192.00	197.00	204.00	201.00	204.00	205.00	205.00
East North Central	120.00	160.00	177.00	180.00	187.00	193.00	190.00	193.00	192.00	193.00
West North Central	124.00	155.00	167.00	173.00	182.00	186.00	181.00	187.00	193.00	184.00
Mountain	156.00	200.00	211.00	216.00	227.00	233.00	235.00	230.00	235.00	233.00
Pacific	190.00	239.00	259.00	264.00	276.00	284.00	280.00	275.00	281.00	290.00
Per week with board and room:										
United States	23.50	29.75	33.00	33.75	34.75	35.50	34.50	34.75	36.75	35.50
New England	25.00	34.00	39.75	40.00	40.75	41.00	40.50	42.00	41.50	40.50
Middle Atlantic	25.25	32.00	35.25	36.00	36.50	37.25	36.50	37.50	37.75	37.25
Per week without board or room:										
United States	31.00	38.00	41.25	42.50	44.50	45.75	46.25	45.75	47.50	43.75
New England	36.25	48.25	53.25	54.00	55.50	57.00	56.50	56.75	56.75	57.25
Middle Atlantic	34.75	44.25	48.25	49.00	50.25	51.75	50.75	52.75	51.50	51.50
Per day with board and room:										
United States	4.45	5.40	5.80	6.10	6.30	6.50	6.30	5.90	6.90	6.20
East North Central	4.80	6.10	6.60	6.60	6.90	7.00	6.80	6.90	7.10	7.10
West North Central	5.30	6.60	6.90	7.00	7.30	7.50	6.90	7.20	7.80	7.30
Per day with house:										
United States	3.50	4.20	4.60	4.80	5.10	5.30	5.40	5.20	5.30	5.30
South Atlantic	3.35	4.10	4.55	4.65	4.75	4.85	4.95	4.85	4.75	4.85
East South Central	2.85	3.40	3.70	3.75	3.85	4.00	3.85	3.95	4.05	4.05
West South Central	3.95	4.80	5.20	5.40	5.50	5.70	5.60	5.60	5.80	5.80
Per day without board or room:										
United States	4.50	5.30	5.80	6.00	6.40	6.60	6.60	6.40	6.50	6.90
New England	6.40	8.30	9.20	9.40	9.50	9.70	9.40	9.50	9.60	10.00
Middle Atlantic	6.20	7.70	8.50	8.60	8.70	8.90	8.70	8.90	8.90	9.00
East North Central	6.00	7.60	8.30	8.30	8.70	8.80	8.60	8.70	8.90	8.80
West North Central	6.70	8.00	8.50	8.70	9.10	9.30	8.70	9.00	9.60	9.10
South Atlantic	3.95	4.80	5.30	5.30	5.50	5.60	5.80	5.60	5.60	5.70
East South Central	3.40	4.00	4.35	4.40	4.55	4.75	4.60	4.65	4.80	4.80
West South Central	4.55	5.40	5.80	6.10	6.20	6.30	6.30	6.10	6.40	6.40
Mountain	6.60	7.80	8.40	8.50	8.70	9.10	8.50	8.70	9.20	9.20
Per hour with house:										
United States	.62	.74	.80	.82	.85	.88	.81	.77	.92	1.00
South Atlantic	.45	.56	.60	.60	.61	.63	.63	.61	(2)	(2)
East South Central	.40	.47	.51	.51	.51	.52	.51	.52	(2)	(2)
West South Central	.48	.58	.63	.65	.65	.67	.66	.65	(2)	(2)
Pacific	.86	1.01	1.08	1.09	1.13	1.16	1.13	1.14	1.16	1.18
Per hour without board or room:										
United States	.69	.82	.88	.92	.95	.97	1.05	1.03	1.02	.90
New England	.85	1.03	1.12	1.12	1.14	1.16	1.16	1.17	1.16	1.16
Middle Atlantic	.81	.98	1.07	1.09	1.09	1.11	1.10	1.10	1.11	1.12
East North Central	.83	1.01	1.06	1.05	1.08	1.08	1.07	1.08	1.08	1.08
West North Central	.86	.99	1.02	1.04	1.08	1.08	1.05	1.06	1.09	1.07
South Atlantic	.50	.62	.68	.68	.70	.72	.75	.74	.70	.73
East South Central	.46	.54	.58	.60	.63	.62	.63	.64	.65	.62
West South Central	.57	.68	.73	.74	.76	.76	.78	.76	.76	.76
Mountain	.82	.95	1.00	.99	1.01	1.06	.98	1.03	1.09	1.07
Pacific	.92	1.09	1.15	1.17	1.19	1.23	1.20	1.21	1.23	1.24

[1] See table 297 for States comprising each division. [2] Not available.

Source: Department of Agriculture, Agricultural Marketing Service; monthly report, *Farm Labor*.

No. 303. Indexes of Union Wage Rates and Weekly Hours in Selected Trades: 1945 to 1960

[1947–49 average=100, except for printing where 1948–49 average=100. Excludes Alaska and Hawaii. Data for 1953 to 1959 were collected as of July 1 and cover 53 cities in printing and 52 in the other trades. For 1950, however, data were collected as of October 1 for streetcar and bus operators. Relative rates are percentages which indicate changes in minimum hourly wage scales. Relative hours are percentages showing changes in straight-time weekly hours, account not being taken of loss of time from slack work or other causes, nor of overtime work. Year-to-year changes in union scales are based on comparable quotations for each trade weighted by membership for current year. See also *Historical Statistics, Colonial Times to 1957*, series D 642–653]

TRADE	1945	1950	1953	1954	1955	1956	1957	1958	1959	1960
Building trades, total:										
Rate	72.2	110.7	131.6	136.4	141.2	147.7	155.3	162.4	170.3	177.3
Hours	101.1	100.2	100.1	100.1	100.1	100.1	100.1	100.0	100.0	99.9
Journeyman:										
Rate	73.0	110.5	130.7	135.4	140.0	146.2	153.6	160.5	167.9	174.6
Hours	101.2	100.2	100.1	100.1	100.1	100.1	100.1	100.0	100.0	99.9
Helpers and laborers:										
Rate	67.0	112.2	136.5	142.4	148.5	157.4	166.6	174.7	185.8	194.3
Hours	100.8	100.0	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
Printing trades, total:										
Rate	63.5	107.9	123.5	127.1	130.7	134.1	138.9	143.6	148.3	152.6
Hours	104.6	99.8	99.5	99.4	99.2	99.1	98.8	98.5	98.2	98.1
Book and job:										
Rate	63.1	108.2	124.0	127.6	131.4	134.9	139.9	144.7	149.8	154.8
Hours	106.1	99.8	99.2	99.1	98.9	98.7	98.3	98.0	97.6	97.4
Newspaper:										
Rate	64.1	107.4	122.3	125.9	128.9	132.1	136.4	140.8	145.0	148.3
Hours	101.7	99.5	99.3	99.2	99.1	99.0	98.8	98.6	98.5	98.5
Motortruck drivers and helpers:										
Rate	71.5	111.9	134.5	140.2	148.2	155.5	163.9	172.4	180.6	188.3
Hours	105.3	98.8	96.4	95.6	95.1	94.3	93.9	93.5	92.5	92.3
Streetcar and bus operators, rate	69.9	110.9	129.9	136.4	140.4	145.9	152.1	161.2	167.3	173.7

Source: Department of Labor, Bureau of Labor Statistics. Published annually in *Monthly Labor Review* and special pamphlets.

No. 304. Monthly Labor Turnover Rates (Per 100 Employees) in Manufacturing Industries: 1945 to 1960

[Excludes Alaska and Hawaii. Data refer to wage and salary workers. For annual rates, see also *Historical Statistics, Colonial Times to 1957*, series D 779–784]

TYPE AND YEAR	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions: [1]													
1945	6.3	7.0	5.0	4.9	4.7	5.0	5.9	5.8	5.9	7.4	8.6	8.7	6.9
1950	4.4	3.6	3.2	3.6	3.5	4.4	4.8	4.7	6.6	5.7	5.2	4.0	3.0
1955	3.7	3.3	3.2	3.6	3.5	3.8	4.3	3.4	4.5	4.4	4.1	3.3	2.5
1959 [2]	3.6	3.3	3.3	3.6	3.5	3.6	4.4	3.3	3.9	3.9	3.1	3.0	3.8
1960	3.1	3.6	2.9	2.7	2.8	3.2	3.9	2.9	3.8	3.8	2.8	2.3	1.9
New hires:													
1955	2.4	1.7	1.8	2.2	2.2	2.5	3.1	2.5	3.2	3.1	2.9	2.4	1.7
1959	2.0	1.5	1.7	1.9	2.0	2.2	3.0	2.2	2.5	2.6	2.0	1.5	1.3
1960	1.6	1.9	1.7	1.5	1.4	1.7	2.3	1.7	1.9	1.9	1.5	1.0	0.7
Total separations: [3]													
1945	8.3	6.2	6.0	6.8	6.6	7.0	7.9	7.7	17.9	12.0	8.6	7.1	5.9
1950	3.5	3.1	3.0	2.9	2.8	3.1	3.0	2.9	4.2	4.9	4.3	3.8	3.6
1955	3.3	2.9	2.5	3.0	3.1	3.2	3.2	3.4	4.0	4.4	3.5	3.1	3.0
1959 [2]	3.4	3.1	2.6	2.8	3.0	2.9	2.8	3.3	3.7	4.3	4.7	4.1	3.1
1960	3.7	2.9	3.0	3.7	3.6	3.3	3.3	3.6	4.3	4.4	3.8	3.9	4.1
Quits:													
1945	5.1	4.6	4.3	5.0	4.8	4.8	5.1	5.2	6.2	6.7	5.6	4.7	4.0
1950	1.9	1.1	1.0	1.2	1.3	1.6	1.7	1.8	2.9	3.4	2.7	2.1	1.7
1955	1.6	1.0	1.0	1.3	1.5	1.5	1.5	1.6	2.2	2.8	1.8	1.4	1.1
1959	1.3	0.9	0.8	1.0	1.1	1.3	1.3	1.3	1.8	2.2	1.4	1.0	0.9
1960	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.5	1.9	1.0	0.7	0.6
Layoffs:													
1945	2.3	0.6	0.7	0.7	0.8	1.2	1.7	1.5	10.7	4.5	2.3	1.7	1.3
1950	1.1	1.7	1.7	1.4	1.2	1.1	0.9	0.6	0.6	0.7	0.8	1.1	1.3
1955	1.2	1.5	1.1	1.3	1.2	1.1	1.2	1.3	1.3	1.1	1.2	1.2	1.4
1959	1.6	1.7	1.3	1.3	1.3	1.1	1.0	1.4	1.4	1.5	2.8	2.6	1.7
1960	2.0	1.3	1.5	2.2	2.0	1.6	1.7	2.0	2.2	2.0	2.2	2.7	3.0

[1] Includes rehires, not shown separately.
[2] Beginning January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.
[3] Includes discharges and miscellaneous (incl. military) separations, not shown separately.

Source: Department of Labor, Bureau of Labor Statistics; *Monthly Labor Review* and *Employment and Earnings*.

No. 305. Injury-Frequency Rates, 1950, 1955, and 1958, and Severity Measures, 1958, for Selected Industries

[Excludes Alaska and Hawaii. Frequency rate is average number of disabling work injuries for each million employee-hours worked. Severity rate is average number of days disability for each million employee-hours worked. See also *Historical Statistics, Colonial Times to 1957*, series D 785, for injury-frequency rates for manufacturing]

Industry group and industry	Injury-frequency rates			Severity measures, 1958				
				Percent of injuries resulting in—			Average days of disability per case	Severity rate
	1950	1955	1958	Death	Permanent impairment	Temporary-total disability		
Manufacturing	14.7	12.1	10.9	0.4	6.8	92.8	66	763
Ordnance and accessories	6.2	6.1	3.6	------	7.1	92.9	41	179
Food and kindred products	18.9	18.6	18.5	0.2	4.5	95.3	53	1,027
Tobacco manufactures	6.8	6.6	6.8	------	6.6	93.4	34	231
Textile-mill products	11.0	9.7	9.0	0.2	6.1	93.7	54	536
Apparel and other finished textile prod.	6.6	6.9	5.9	0.3	1.9	97.8	43	248
Lumber and wood prod. (exc. furniture)	50.2	40.5	37.3	0.5	6.3	93.2	78	3,338
Furniture and fixtures	21.0	18.1	16.0	0.3	9.6	90.1	65	1,055
Paper and allied products	16.1	12.9	11.4	0.3	6.9	92.8	62	901
Printing, publishing, and allied indus.	8.2	9.1	8.7	0.2	4.2	95.6	41	371
Chemicals and allied products	11.1	8.0	7.9	0.6	4.7	94.7	86	833
Products of petroleum and coal	9.3	6.5	6.0	1.5	6.7	91.8	135	807
Rubber products	10.0	6.9	6.7	0.1	9.5	90.4	61	500
Leather and leather products	10.8	11.8	10.9	0.1	5.7	94.2	42	437
Stone, clay, and glass products	20.5	18.9	16.8	0.5	5.3	94.2	72	1,457
Primary metal industries	14.8	12.2	9.9	0.8	8.8	90.4	109	1,040
Fabricated metal products	19.0	15.4	14.3	0.3	8.4	91.3	67	980
Machinery (exc. electrical)	13.8	11.1	9.4	0.2	8.3	91.5	54	548
Electrical machinery	7.4	5.6	4.4	0.3	9.8	89.9	67	310
Transportation equipment	8.3	5.7	5.5	0.5	9.1	90.4	78	441
Instruments and related products	7.7	5.8	5.4	0.1	12.0	87.9	45	245
Contract construction	41.0	34.5	30.9	0.9	2.9	96.2	90	2,553
Transportation and public utilities:								
Local and interurban rail and bus	(1)	11.8	13.2	0.4	1.8	97.8	60	780
Trucking and warehousing	34.5	28.7	28.9	0.5	1.8	97.7	58	1,650
Telephone communication	2.1	0.9	0.7	1.0	4.1	94.9	115	83
Electric and gas utilities [2]	13.8	8.2	6.5	1.7	4.9	93.4	161	958
Water-supply systems [2]	21.9	25.8	23.6	(1)	(1)	(1)	(1)	(1)
Wholesale and retail trade	12.3	12.6	12.0	0.2	2.7	97.1	44	483
Services:								
Hotels	16.0	12.6	11.4	0.3	2.5	97.2	40	457
Laundries and dry cleaning	7.2	8.1	7.9	0.3	3.8	95.9	58	467
Automobile repair shops and garages	13.0	13.8	17.0	(1)	(1)	(1)	(1)	(1)
Radio broadcasting and television	2.5	5.6	4.4	(1)	(1)	(1)	(1)	(1)
Motion pictures and other amusements	8.8	9.5	9.2	(1)	(1)	(1)	(1)	(1)
Government, State and local:								
Local transit systems	(1)	14.2	15.0	0.5	1.7	97.8	60	908
Electric and gas utilities	(1)	16.4	16.7	0.9	1.7	97.4	91	1,518
Local fire protection	35.5	28.3	31.8	0.2	2.0	97.8	63	2,003
Police	32.4	27.8	33.1	0.6	0.8	98.6	71	2,116

[1] Not available.
[2] For 1950, comprises both publicly and privately operated utilities; beginning 1955, private only.

Source: Department of Labor, Bureau of Labor Statistics. Published periodically in *Monthly Labor Review*, and annual bulletin, *Work Injuries in the United States*.

No. 306. Disabling Work Injuries, by Major Industry Group: 1950, 1959, and 1960

[In thousands. Excludes Alaska and Hawaii. Includes employees and self-employed]

Industry group	Total			Fatalities			Permanent impairments			Temporary-total disabilities		
	1950	1959	1960 (prel.)	1950	1959	1960 (prel.)	1950	1959	1960 (prel.)	1950	1959	1960 (prel.)
All industries [1]	**1,952.0**	**1,970.0**	**1,960.0**	**15.5**	**13.8**	**13.8**	**84.9**	**84.2**	**83.0**	**1,851.6**	**1,872.0**	**1,863.2**
Agriculture [2]	340.0	300.0	290.0	4.3	3.4	3.3	(3)	(3)	(3)	(3)	(3)	(3)
Mining and quarrying [4]	72.0	45.0	47.0	1.0	0.7	0.8	(3)	(3)	(3)	(3)	(3)	(3)
Construction [5]	205.0	217.0	207.0	2.3	2.5	2.4	8.5	6.3	5.9	194.2	208.2	198.7
Manufacturing [6]	426.0	400.0	380.0	2.6	1.9	1.7	21.7	25.5	24.1	401.7	372.6	354.2
Transportation [2]	177.0	192.0	190.0	1.3	1.5	1.6	(3)	(3)	(3)	(3)	(3)	(3)
Public utilities [5]	24.0			0.3			0.6			23.1		
Trade, wholesale and retail [5]	335.0	366.0	375.0	1.5	1.2	1.2	8.1	8.6	8.8	325.4	356.2	365.0
Finance, service, government, and misc. industries [1]	373.0	450.0	471.0	2.2	2.6	2.8	(3)	(3)	(3)	(3)	(3)	(3)

[1] Excludes domestic service. [2] Based on fragmentary data. [3] Included in totals for all industries.
[4] Based largely on Bureau of Mines data. [5] Based on small sample surveys.
[6] Based on comprehensive survey.

Source: Department of Labor, Bureau of Labor Statistics; published periodically in *Monthly Labor Review* and annual bulletin, *Work Injuries in the United States*.

No. 307. Membership of National and International Unions With Headquarters in the United States: 1935 to 1958

[Includes Alaska and Hawaii. Estimates based on average number of dues-paying members. Certain unions did not report as members those unemployed, those involved in work stoppages, those in the Armed Forces, apprentices, and retired workers, who were not required to pay dues. Excludes membership in noninterstate independent or unaffiliated unions. See also *Historical Statistics, Colonial Times to 1957*, series D 735–745]

Item	1935	1940	1945	1950	1955	1956	1957	1958
Number of affiliated unions:								
American Federation of Labor	109	105	102	107	139	137	184	186
Congress of Industrial Organizations		42	40	30				
Membership, total [1] 1,000	**3,728**	**8,944**	**14,796**	**15,000**	**17,749**	**18,477**	**18,431**	**18,081**
Percent of total labor force [2]	6.7	15.5	21.9	22.0	24.4	24.8	24.6	23.9
Percent of employment in nonagricultural establishments	13.4	27.2	35.8	31.9	33.6	33.8	33.3	33.7
American Federation of Labor ... 1,000	3,045	4,247	6,931	7,143	16,062	16,904	16,954	14,993
Congress of Industrial Organizations ... do		3,625	6,000	[3] 5,000				
Independent or unaffiliated unions ... do	683	1,072	1,865	2,600	1,688	1,573	1,476	3,088

[1] Includes Canadian members of labor unions with headquarters in U.S. (1,052,000 in 1958).
[2] Percentages calculated on union membership excluding Canadian membership. [3] 1951 figure.

Source: Department of Labor, Bureau of Labor Statistics; *Handbook of Labor Statistics*, *Directory of National and International Labor Unions in the United States*, and records.

No. 308. National and International Unions and Membership With Headquarters in the United States, by Size Class: 1958

[Includes Alaska and Hawaii. See headnote, table 307]

Membership size class	Number of unions			Total membership [1] (1,000)	Membership size class	Number of unions			Total membership [1] (1,000)
	Total	AFL–CIO	Unaffiliated			Total	AFL–CIO	Unaffiliated	
Total	**186**	**137**	**49**	**17,968**	50,000 to 99,999	32	25	7	2,168
					100,000 to 199,999	21	19	2	3,072
Under 1,000	14	8	6	7	200,000 to 299,999	8	8	-------	1,992
1,000 to 4,999	31	14	17	80	300,000 to 399,999	4	4	-------	1,367
5,000 to 9,999	20	13	7	144	400,000 to 499,999	3	3	-------	1,356
10,000 to 24,999	24	20	4	412	500,000 to 999,999	5	4	1	4,138
25,000 to 49,999	22	18	4	786	1,000,000 and over	2	1	1	2,445

[1] Excludes membership of federal labor unions and local industrial unions.

Source: Department of Labor, Bureau of Labor Statistics; *Directory of National and International Labor Unions in the United States, 1960*. (Bulletin No. 1267.)

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No. 309. Work Stoppages: 1933 to 1960

[Beginning 1959, includes Alaska, and 1960, Hawaii. Excludes work stoppages involving fewer than 6 workers or lasting less than 1 day. Information obtained directly from companies and unions involved as well as from various Government labor boards, conciliation services, and other neutral parties. See also *Historical Statistics, Colonial Times to 1957*, series D 764-769 and D 774]

Year	Work stoppages beginning in year		Workers involved		Man-days idle during year		
	Number	Average duration (calendar days)	Number (1,000) [1]	Percent of total employed [2]	Number (1,000)	Percent of estimated working time [3]	Per worker involved
1933	1,695	16.9	1,170	6.3	16,900	0.36	14.4
1935	2,014	23.8	1,120	5.2	15,500	0.29	13.8
1940	2,508	20.9	577	2.3	6,700	0.10	11.6
1945	4,750	9.9	3,470	12.2	38,000	0.47	11.0
1946	4,985	24.2	4,600	14.5	116,000	1.43	25.2
1947	3,693	25.6	2,170	6.5	34,600	0.41	15.9
1948	3,419	21.8	1,960	5.5	34,100	0.37	17.4
1949	3,606	22.5	3,030	9.0	50,500	0.59	16.7
1950	4,843	19.2	2,410	6.9	38,800	0.44	16.1
1951	4,737	17.4	2,220	5.5	22,900	0.23	10.3
1952	5,117	19.6	3,540	8.8	59,100	0.57	16.7
1953	5,091	20.3	2,400	5.6	28,300	0.26	11.8
1954	3,468	22.5	1,530	3.7	22,600	0.21	14.7
1955	4,320	18.5	2,650	6.2	28,200	0.26	10.7
1956	3,825	18.9	1,900	4.3	33,100	0.29	17.4
1957	3,673	19.2	1,390	3.1	16,500	0.14	11.4
1958	3,694	19.7	2,060	4.8	23,900	0.22	11.6
1959	3,708	24.6	1,880	4.3	69,000	0.61	36.7
1960	3,333	23.4	1,320	3.0	19,100	0.17	14.5

[1] Workers counted more than once if involved in more than 1 stoppage during year.

[2] Total employed workers for 1933-1950 refers to all workers except those in occupations and professions in which there is little if any union organization or in which stoppages rarely if ever occur. In 1951, concept was changed to coincide with the Bureau's figures for nonagricultural employment, excluding Government but including workers in all occupational groups. Tests show that percentage of total idleness computed on basis of these new figures usually differs by less than one-tenth of a point while percentage of workers idle differs by about 0.5 or 0.6 of a point.

[3] Estimated working time computed by multiplying average number of employed workers (see footnote 2) by number of days worked by most employees.

No. 310. Work Stoppages—Major Issues Involved and Duration: 1958 to 1960

[Beginning 1959, includes Alaska, and 1960, Hawaii. See headnote, table 309. Data by issues based on stoppages beginning in year; duration data based on stoppages ending in year. See also *Historical Statistics, Colonial Times to 1957*, series D 770-778]

Major issues and duration	Work stoppages			Workers involved [1] (1,000)			Man-days idle during year (1,000)		
	1958	1959	1960	1958	1959	1960	1958	1959	1960
Major issues									
All issues	3,694	3,708	3,333	2,060	1,880	1,320	23,900	69,000	19,100
Wages and hours [2]	1,875	1,872	1,592	1,380	1,320	568	18,300	61,200	10,500
Union organization, wages and hours [2]	221	361	299	33	96	199	1,260	2,470	4,150
Union organization	362	303	239	40	58	47	639	1,700	733
Other working conditions	876	761	800	558	362	463	3,430	3,400	3,460
Interunion or intraunion matters	321	350	310	42	32	31	218	222	140
Not reported	39	61	93	3	6	9	16	31	77
Duration									
All stoppages	3,632	3,747	3,342	1,990	1,911	1,370	21,400	67,400	23,200
1 day	418	369	410	129	109	123	129	109	123
2 and 3 days	579	537	515	271	135	200	551	274	452
4 days and less than 1 week	548	514	468	304	167	191	1,040	565	592
1 week and less than ½ month	779	806	711	340	262	325	2,040	1,620	2,110
½ and less than 1 month	593	623	513	477	250	211	5,690	3,490	2,700
1 and less than 2 months	446	466	395	407	255	125	8,210	7,230	3,070
2 and less than 3 months	136	211	129	33	124	43	1,410	5,850	1,930
3 months or more	133	221	201	32	609	146	2,350	48,200	12,200

[1] See footnote 1, table 309. [2] Includes supplementary benefits.

Source of tables 309 and 310: Department of Labor, Bureau of Labor Statistics; May (1958) and June (1959 and 1960) issues of *Monthly Labor Review* and annual bulletin, *Analysis of Work Stoppages*.

No. 311. Work Stoppages, by Industry Groups: 1950 to 1960

[Beginning 1959, includes Alaska, and 1960, Hawaii. See headnote, table 309. Work stoppages affecting more than 1 industry are counted as separate stoppages in each industry affected, and the workers involved and man-days idle allocated among the appropriate industries]

Industry group	Work stoppages beginning in—						Workers involved [1] (1,000)						Man-days idle during year (1,000)					
	1950	1955	1957	1958	1959	1960	1950	1955	1957	1958	1959	1960	1950	1955	1957	1958	1959	1960
All industries	4,843	4,320	3,673	3,694	3,708	3,333	2,410	2,650	1,390	2,060	1,880	1,320	38,800	28,200	16,500	23,900	69,000	19,100
MANUFACTURING																		
Ordnance and accessories	2	13	11	12	13	3	1	11	8	13	8	10	6	140	121	95	125	136
Food and kindred products	185	169	155	176	169	184	57	40	48	61	80	66	691	974	574	661	1,720	651
Tobacco manufactures	5	3	1	4	1	2	3	(2)	(2)	(2)	1	2	33	1	(2)	2	6	11
Textile-mill products	147	96	47	51	70	30	48	48	14	6	24	5	686	1,400	212	111	229	34
Apparel and other finished products, etc.	187	139	128	126	122	87	18	15	16	152	19	12	228	136	215	1,100	253	134
Lumber and wood products (exc. furniture)	119	81	66	69	58	39	24	12	12	18	14	5	700	227	290	282	210	103
Furniture and fixtures	106	121	79	74	101	81	16	26	18	14	16	13	315	287	175	254	422	183
Paper and allied products	76	67	55	60	59	52	19	14	15	18	19	9	360	197	256	252	442	136
Printing, publishing, and allied industries	54	29	52	46	58	38	10	8	22	22	24	5	240	176	199	324	352	186
Chemicals and allied products	96	105	97	100	97	91	39	40	25	20	20	22	795	634	381	318	422	314
Products of petroleum and coal	22	18	23	16	18	12	16	3	8	8	18	2	792	51	233	141	550	80
Rubber and misc. plastic products	136	105	54	58	62	53	136	124	48	24	77	30	385	490	420	147	1,930	261
Leather and leather products	84	50	56	41	38	32	25	40	11	8	6	6	157	542	100	79	53	64
Stone, clay, and glass products	132	110	106	117	165	98	45	33	32	45	51	18	652	495	614	1,200	1,230	228
Primary metal industries	309	279	232	167	236	158	142	535	118	102	575	94	1,180	1,570	1,150	711	39,000	1,880
Fabricated metal products (exc. ordnance, machinery, and transportation equip.)	278	282	237	256	276	195	86	131	59	147	100	44	969	1,590	713	1,220	3,150	579
Machinery (except electrical)	317	306	230	223	217	144	224	230	90	152	83	69	4,410	3,800	1,380	2,760	2,820	1,240
Electrical machinery	168	147	100	93	96	102	132	202	45	102	48	97	1,420	3,300	785	1,030	820	1,260
Transportation equipment	171	200	154	210	108	122	368	440	167	551	77	189	8,540	1,910	1,170	4,310	1,390	3,550
Professional, scientific, and controlling instruments; photographic and optical goods; watches and clocks	26	30	25	27	26	29	23	34	7	14	9	6	158	694	202	233	158	95
Miscellaneous manufacturing industries	96	99	80	58	68	54	19	14	15	8	11	5	237	191	201	141	179	74
NONMANUFACTURING																		
Agriculture, forestry, and fishing	12	11	6	6	10	81	21	3	2	4	2	8	152	14	34	14	66	160
Mining	508	343	198	168	187	154	196	114	56	39	120	49	9,700	1,080	240	302	5,650	700
Construction	611	733	785	844	771	773	237	204	308	326	251	269	2,460	1,810	3,970	4,790	4,120	4,470
Wholesale and retail trade	381	409	372	358	311	290	70	52	63	57	72	33	927	1,090	654	942	1,570	451
Finance, insurance, and real estate	31	8	10	8	11	6	13	1	1	1	1	6	53	27	23	5	4	7
Transportation, communication, etc.	386	275	209	242	233	266	405	253	169	132	140	200	2,380	4,860	2,010	2,270	1,910	1,750
Services—personal, business, and other	182	121	122	102	128	138	14	18	9	14	13	18	161	488	146	196	190	304
Government—administration, protection and sanitation	28	17	12	15	25	36	4	1	1	2	2	29	33	7	4	8	11	58

[1] Workers counted more than once if involved in more than 1 stoppage during year.
[2] Less than 500.

Source: Department of Labor, Bureau of Labor Statistics; published in May (1950–1958) and June (1959 and 1960) issues of *Monthly Labor Review* and annual bulletin, *Analysis of Work Stoppages*.

No. 312. Work Stoppages, by States: 1958 to 1960

[See headnote, table 309. Work stoppages affecting more than 1 State are counted as separate stoppages in each State affected, and the workers involved and man-days idle allocated among the appropriate States]

State	Work stoppages beginning in—			Workers involved [1] (1,000)			Man-days idle during year: Number (1,000)			Man-days idle during year: Percent of estimated working time [2]		
	1958	1959	1960	1958	1959	1960	1958	1959	1960	1958	1959	1960
United States[3]	**3,694**	**3,708**	**3,333**	**2,060**	**1,880**	**1,320**	**23,900**	**69,000**	**19,100**	**0.22**	**0.61**	**0.17**
New England:												
Maine	15	19	11	2	1	1	28	13	20	0.05	0.02	0.03
New Hampshire	23	14	6	6	1	1	62	15	4	0.16	0.03	0.01
Vermont	8	9	7	(4)	2	1	7	25	17	0.03	0.10	0.07
Massachusetts	164	134	120	49	43	49	504	909	1,690	0.13	0.21	0.40
Rhode Island	19	20	18	4	5	3	46	112	36	0.08	0.18	0.06
Connecticut	53	68	53	17	21	43	209	384	1,110	0.10	0.18	0.53
Middle Atlantic:												
New York	473	470	427	264	159	191	2,430	4,520	2,720	0.18	0.33	0.20
New Jersey	260	249	205	97	97	68	939	1,980	765	0.22	0.44	0.17
Pennsylvania	394	454	398	150	332	180	1,810	14,800	2,040	0.22	1.82	0.25
East North Central:												
Ohio	359	391	303	234	238	101	3,160	9,630	931	0.48	1.40	0.13
Indiana	108	153	123	129	117	60	884	5,620	687	0.30	1.83	0.22
Illinois	230	231	197	103	112	63	1,720	4,390	753	0.23	0.57	0.10
Michigan	275	172	145	437	84	65	3,400	2,680	722	0.72	0.53	0.14
Wisconsin	78	61	63	26	21	19	364	699	382	0.15	0.27	0.15
West North Central:												
Minnesota	76	73	37	19	39	29	218	1,870	347	0.11	0.94	0.17
Iowa	69	63	41	22	25	15	229	541	224	0.17	0.38	0.16
Missouri	109	105	74	38	25	62	676	935	1,220	0.24	0.32	0.41
North Dakota	11	8	3	1	1	1	10	9	5	0.04	0.03	(5)
South Dakota	8	3	8	(4)	(4)	1	6	13	6	0.02	0.05	0.02
Nebraska	16	25	39	7	9	3	197	173	57	0.28	0.23	0.07
Kansas	33	26	25	12	6	8	106	65	439	0.10	0.05	0.39
South Atlantic:												
Delaware	17	7	22	13	3	9	92	154	57	0.28	0.45	0.16
Maryland	36	38	39	9	38	19	127	2,440	479	0.07	1.30	0.25
District of Columbia	13	11	12	2	6	4	29	50	27	0.05	0.07	0.04
Virginia	47	53	7	13	15	1	166	113	17	0.08	0.05	0.07
West Virginia	125	104	82	26	39	15	241	924	104	0.23	0.91	0.10
North Carolina	28	13	12	5	1	2	79	104	10	0.03	0.04	(5)
South Carolina	16	9	9	3	1	3	19	23	10	0.02	0.01	0.01
Georgia	38	22	28	26	4	8	306	112	106	0.15	0.05	0.05
Florida	91	99	98	31	27	26	444	276	311	0.18	0.10	0.11
East South Central:												
Kentucky	63	83	54	29	30	15	417	1,220	184	0.32	0.91	0.13
Tennessee	57	60	79	21	19	22	248	462	273	0.14	0.24	0.14
Alabama	72	73	60	12	51	25	130	2,480	477	0.09	1.64	0.31
Mississippi	15	12	18	5	2	2	42	17	19	0.06	0.02	0.02
West South Central:												
Arkansas	26	25	20	4	3	3	57	71	24	0.08	0.09	0.20
Louisiana	68	36	37	24	18	6	295	286	115	0.18	0.17	0.07
Oklahoma	33	20	28	6	6	8	96	195	49	0.09	0.17	0.04
Texas	70	75	71	33	30	25	917	1,310	339	0.17	0.24	0.06
Mountain:												
Montana	23	17	15	3	12	1	44	780	174	0.13	2.47	0.53
Idaho	8	17	20	1	3	4	22	22	389	0.08	0.07	1.25
Wyoming	7	8	20	(4)	3	9	11	58	50	0.06	0.32	0.26
Colorado	23	30	38	9	22	11	267	750	155	0.29	0.76	0.15
New Mexico	27	12	17	9	5	2	121	212	48	0.29	0.48	0.11
Arizona	15	28	13	2	31	3	48	1,430	135	0.09	2.33	0.20
Utah	24	12	17	11	15	3	90	1,170	121	0.20	2.37	0.24
Nevada	14	16	6	2	5	2	19	215	22	0.11	1.10	0.10
Pacific:												
Washington	58	58	46	32	34	6	680	911	163	0.43	0.55	0.10
Oregon	51	41	19	42	9	3	743	230	112	0.77	0.22	0.11
California	221	260	292	73	102	104	1,130	3,340	855	0.12	0.34	0.08
Alaska	(6)	10	19	(6)	5	1	(6)	262	7	(6)	(6)	0.08
Hawaii	(6)	(6)	32	(6)	(6)	5	(6)	(6)	16	(6)	(6)	(6)

[1] See footnote 1, table 309. [2] See footnote 3, table 309. [3] Beginning 1959, includes Alaska, and 1960, Hawaii.
[4] Less than 500. [5] Less than 0.005 percent. [6] Not available.

Source: Department of Labor, Bureau of Labor Statistics; annual bulletin, *Analysis of Work Stoppages*, release, *Work Stoppages by State*, and *Monthly Labor Review*.