6. PUBLIC LANDS AND NATIONAL PARKS

GENERAL NOTE.—An original entry is a first claim to receive a given tract of public land. Perfected entry of the claim is made after required lapse of time and compliance with other conditions

No. 142.—ACREAGE OF ENTRIES AND PATENTS OF PUBLIC LAND

Class	1928 [1]			1929 [1]		
	Original entries	Perfected entries	Patented [2]	Original entries	Perfected entries	Patented [2]
Total	**3,614,518**	**1,986,697**	**2,477,867**	**4,478,489**	**1,834,991**	**2,494,647**
Homesteads	3,366,816	1,815,549	1,933,068	4,178,495	1,700,950	1,897,190
Section 2289, Revised Statutes [3]	325,201	149,719	224,272	298,864	147,153	206,560
June 17, 1902 (reclamation)	24,975	8,660	8,028	6,244	17,445	13,489
Apr. 28, 1904 (Kinkaid)	6,286	5,707	2,152	4,747	1,920	1,480
June 11, 1906 (forest)	9,139	16,469	21,496	9,032	13,615	17,000
Feb. 19, 1909 (enlarged)	315,070	236,655	288,200	375,842	237,158	305,368
June 9, 1916 (O. & C. land grant)	18,753	13,437		18,039	13,042	
Dec. 29, 1916 (stock raising)	2,667,392	1,384,902	1,387,278	3,465,727	1,270,617	1,350,385
Indian			1,642			2,908
Timber and stone		14,591	17,482		12,894	11,709
Coal land		80	317			
Desert land	39,947	39,642	43,701	28,347	39,960	49,957
Mineral land		50,600	52,892		21,071	46,931
Public auction		17,448	28,459		32,484	29,653
State selection	95,254			238,023		
Railroad selection	106,454		84,920	15,242		230,107
Miscellaneous	6,047	48,787	317,028	18,382	27,632	229,101

[1] Year ended June 30. [2] Includes Indian lands. [3] Original act.

No. 143.—ORIGINAL ENTRIES OF PUBLIC AND INDIAN LAND: ACREAGE UNDER ALL ACTS, YEARS ENDED JUNE 30

Item and State	1911–1915, total	1916–1920, total	1921–1925, total	1926	1927	1928	1929
Total	**83,037,350**	**73,192,850**	**40,619,290**	**3,243,446**	**3,594,838**	**3,726,421**	**4,612,722**
Public land	78,698,382	68,663,397	39,508,619	3,116,858	3,471,743	3,614,518	4,478,489
Indian land	4,338,968	4,529,453	1,110,670	126,588	123,095	111,903	134,233
All homesteads	66,553,270	61,312,782	36,188,601	3,001,403	3,359,182	3,478,219	4,312,424
Stock-raising homesteads		[1]14,024,083	26,752,562	2,250,485	2,663,799	2,751,213	3,567,010
Other entries	16,484,080	11,880,068	4,430,689	242,043	235,656	248,202	300,298
Alabama	261,020	80,228	34,320	5,517	4,253		
Alaska	46,006	99,153	51,332	5,386	7,314	5,402	7,793
Arizona	2,983,329	6,894,068	3,466,675	170,815	224,466	372,659	536,272
Arkansas	966,135	612,668	215,396	34,851	25,136	23,833	21,309
California	4,754,715	3,117,582	2,621,522	330,837	337,691	388,974	331,681
Colorado	9,183,877	10,105,447	5,084,809	357,464	426,780	345,925	421,013
Florida	561,440	188,097	171,867	50,660	14,711	9,699	7,089
Idaho	5,173,996	3,971,195	2,082,582	212,092	213,392	160,958	188,513
Kansas	373,343	436,717	46,015				
Louisiana	92,634	67,005	21,702	2,623	3,109		
Michigan	79,931	41,020	21,804				
Minnesota	1,450,591	783,983	192,433	17,409	9,708	15,404	7,193
Mississippi	120,674	63,203	22,758				
Missouri	51,108	4,789	160				
Montana	22,638,090	14,785,405	4,903,929	353,384	363,023	393,860	432,733
Nebraska	5,307,451	494,289	128,302	8,541	11,911	19,373	13,501
Nevada	1,231,945	905,132	465,749	114,644	45,845	65,761	51,385
New Mexico	9,889,348	9,381,322	7,140,706	449,841	595,811	697,619	1,004,218
General Land Office	40		[2]660	3,490	5,324	5,768	9,471
North Dakota	2,286,245	987,821	136,312	19,772	10,596	13,006	7,791
Oklahoma	412,645	192,220	87,242	15,360	10,511		
Oregon	3,598,122	2,688,515	2,140,987	146,473	220,512	138,373	160,532
South Dakota	3,577,067	4,158,533	1,359,637	67,044	61,874	66,174	64,124
Utah	2,069,805	1,698,720	1,633,787	332,895	282,513	213,082	307,074
Washington	1,840,663	1,229,018	842,992	27,363	19,309	22,847	14,770
Wisconsin	63,916	21,033	10,712				
Wyoming	4,023,211	10,182,685	7,704,901	502,985	701,049	767,704	1,025,790

[1] 1918–1920 only. [2] Includes entries made at discontinued offices.

Source of Tables 142 and 143: General Land Office, Department of the Interior.

No. 144.—HOMESTEADS: Acreage of Entries of Public Land, Years Ended June 30

Item and State	All homesteads							Stock raising only, 1929
	1911–1915, total	1916–1920, total	1921–1925, total	1926	1927	1928	1929	
Original entries, total	62, 214, 302	56, 783, 329	35, 079, 617	2, 874, 896	3, 236, 764	3, 366, 816	4, 178, 495	3, 465, 727
Alabama	249, 902	79, 409	34, 139	5, 517	4, 253			
Alaska	25, 342	115, 138	51, 012	5, 387	7, 176	5, 402	6, 897	
Arizona	1, 660, 665	1, 153, 864	1, 452, 551	[1] 143, 069	203, 925	302, 364	505, 002	271, 849
Arkansas	949, 384	612, 668	215, 172	34, 851	25, 136	23, 833	21, 309	
California	2, 192, 577	2, 477, 967	2, 201, 327	303, 996	303, 501	331, 999	310, 758	162, 056
Colorado	7, 740, 338	9, 166, 561	4, 368, 182	257, 967	327, 918	265, 890	321, 301	271, 998
Florida	544, 376	187, 187	168, 086	50, 111	14, 671	9, 603	7, 084	
Idaho	4, 160, 456	3, 285, 340	1, 842, 656	205, 433	196, 810	157, 599	176, 497	160, 242
Kansas	355, 466	436, 088	46, 016					
Louisiana	85, 684	65, 117	14, 746	2, 623	3, 109			
Michigan	76, 741	41, 020	21, 804					
Minnesota	392, 598	96, 656	47, 147	13, 957	8, 161	15, 140	4, 817	
Mississippi	119, 313	63, 203	22, 758					
Missouri	33, 665	4, 189	100					
Montana	19, 078, 259	12, 323, 575	[1] 4, 528, 483	[1] 345, 726	[1] 340, 843	[1] 345, 422	[1] 366, 709	319, 254
Nebraska	5, 105, 548	494, 095	122, 985	8, 541	11, 911	19, 373	13, 421	7, 144
Nevada	672, 613	340, 860	281, 532	38, 996	41, 523	41, 834	44, 715	32, 406
New Mexico	5, 204, 463	7, 500, 836	6, 765, 794	435, 152	553, 308	662, 427	851, 233	808, 026
North Dakota	2, 129, 644	790, 023	128, 417	18, 540	9, 129	10, 555	7, 489	2, 913
Oklahoma	300, 896	183, 756	80, 546	15, 360	10, 511			
Oregon	3, 138, 108	2, 599, 364	2, 118, 054	144, 962	154, 242	135, 565	153, 097	118, 615
South Dakota	2, 204, 050	2, 861, 849	1, 177, 594	57, 202	53, 506	55, 134	55, 013	52, 792
Utah	1, 587, 780	1, 305, 605	1, 456, 411	275, 776	252, 130	[1] 202, 200	[1] 204, 271	266, 485
Washington	1, 124, 407	603, 091	238, 071	20, 849	14, 286	13, 411	7, 651	4, 567
Wisconsin	62, 629	19, 485	10, 071					
Wyoming	2, 928, 357	9, 976, 381	7, 634, 649	487, 390	695, 391	763, 297	1, 021, 766	986, 605
General Land Office	40		[2] 660	3, 490	5, 324	5, 768	9, 467	775
Original entries, stock-raising homesteads (incl. above)		[3] 13, 721, 422	36, 260, 485	2, 170, 028	2, 571, 646	2, 667, 392	3, 465, 727	

PERFECTED HOMESTEAD ENTRIES, ENTIRE UNITED STATES

Year	All homesteads	Year	All homesteads	Year	All homesteads	Year	All homesteads	Stock-raising
1868	355, 086	1884	2, 945, 575	1900	3, 477, 843	1916	7, 278, 281	
1869	504, 302	1885	3, 032, 679	1901	5, 241, 121	1917	8, 497, 300	
1870	519, 728	1886	2, 663, 532	1902	4, 342, 748	1918	3, 236, 438	
1871	629, 162	1887	2, 749, 037	1903	3, 576, 964	1919	6, 524, 760	90, 000
1872	707, 410	1888	3, 175, 401	1904	3, 232, 717	1920	8, 372, 696	622, 610
1873	1, 224, 891	1889	3, 681, 709	1905	3, 419, 387	1921	7, 726, 740	1, 755, 099
1874	1, 595, 782	1890	4, 060, 593	1906	3, 526, 749	1922	7, 307, 034	2, 399, 384
1875	2, 088, 538	1891	3, 954, 588	1907	3, 740, 568	1923	5, 594, 259	2, 627, 065
1876	2, 590, 553	1892	3, 259, 897	1908	4, 242, 711	1924	4, 791, 436	2, 822, 211
1877	2, 407, 828	1893	3, 477, 232	1909	3, 699, 467	1925	4, 048, 911	2, 753, 924
1878	2, 662, 981	1894	2, 929, 947	1910	3, 795, 863	1926	3, 451, 106	2, 497, 007
1879	2, 070, 842	1895	2, 980, 809	1911	4, 620, 197	1927	2, 583, 627	1, 932, 096
1880	1, 938, 235	1896	2, 790, 243	1912	4, 306, 069	1928	1, 815, 549	1, 384, 902
1881	1, 928, 205	1897	2, 778, 404	1913	10, 009, 285	1929	1, 700, 950	1, 270, 617
1882	2, 219, 454	1898	3, 095, 018	1914	9, 291, 121			
1883	2, 504, 415	1899	3, 134, 140	1915	7, 180, 982	Total	232, 259, 180	20, 154, 915

[1] Includes entries of abandoned military reservations.
[2] Includes entries made at discontinued offices.
[3] 1918–1920 only.

No. 145.—STOCK-RAISING HOMESTEADS: Original Entries of Public and Indian Land from Passage of Act to June 30, 1929

State	Entries	Acres	State	Entries	Acres
Total	128, 042	52, 009, 192	Nebraska	506	89, 808
			Nevada	715	383, 196
Arizona	3, 926	1, 827, 592	New Mexico	24, 045	10, 531, 000
Arkansas	4	1, 600	North Dakota	741	222, 027
California	6, 606	2, 661, 497	Oklahoma	366	71, 349
Colorado	16, 928	6, 579, 922	Oregon	7, 128	2, 841, 636
Idaho	6, 135	2, 696, 746	South Dakota	7, 148	2, 435, 458
Kansas	233	58, 506	Utah	3, 700	2, 005, 807
Michigan	5	1, 821	Washington	1, 442	456, 117
Montana	17, 144	5, 953, 721	Wyoming	31, 248	13, 188, 970

Source of Tables 144 and 145: General Land Office, Department of the Interior.

No. 146.—TIMBER AND STONE, COAL, MINERAL, AND DESERT LAND ENTRIES OF PUBLIC LAND

State	From passage of act to June 30, 1929				Year ended June 30, 1929 [1]			
	Timber and stone	Coal	Desert land		Timber and stone	Mineral	Desert land	
			Original	Perfected			Original	Perfected
Acreage of entries	13,827,516	604,363	32,724,292	8,591,197	12,894	21,071	28,347	28,460
Alabama	43,735	239						
Alaska						3,725		
Arizona	2,943	6,693	2,573,791	353,051		3,115	6,390	5,700
Arkansas	361,473				1,770			
California	2,896,515	5,535	5,166,441	882,902	1,034	4,338	6,617	3,233
Colorado	400,704	[2] 216,609	3,224,869	709,031	1,076	660	646	2,649
Dakota Territory		584	20,021	300				
Florida	108,996				40			
Idaho	1,014,679	3,277	3,110,545	1,028,328	1,731	1,030	894	2,925
Iowa	119							
Louisiana	150,277							
Michigan	149,667							
Minnesota	1,408,866				253			
Mississippi	19,818							
Montana	664,005	64,758	5,981,763	2,765,156		1,100	709	2,985
Nebraska	97							
Nevada	6,542	1,661	647,574	160,957	40	2,093	7,130	2,354
New Mexico	80	26,613	2,158,836	232,455	80	349	320	80
North Dakota	8,646	9,544	85,279	20,094				
Oklahoma	40							
Oregon	3,815,894	10,572	1,111,878	297,881	3,481	2,519	120	486
South Dakota	63,909	3,624	609,291	101,921				160
Utah	3,196	75,828	1,500,190	454,562		1,914	2,457	3,411
Washington	2,168,009	64,894	997,954	70,865	320			
Wisconsin	80,362							
Wyoming	454,353	113,924	5,535,860	1,513,693	1,794	226	3,064	4,478
General Land Office	4,561	8			1,274			
Number of entries	107,673	4,416	159,158	46,612	147	296	191	174
Money payment, dollars	35,503,453	11,921,002	7,874,589	8,699,653	51,758	77,225	7,090	28,482

[1] No entries for coal land in 1929. [2] Includes 58,496 acres within the Ute Reservation.

No. 147.—ACREAGE OF PUBLIC LAND CERTIFIED OR PATENTED ON ACCOUNT OF RAILWAY AND WAGON-ROAD GRANTS: YEARS ENDED JUNE 30

	1911–1915, total	1916–1920, total	1921–1925, total	1925	1926	1927	1928	1929
Railway grants, total	4,711,489	5,878,674	6,186,079	440,416	229,090	117,403	84,374	230,419
Alabama	40	120				161	115	39
Arizona	337,533	1,163,775	3,451,578	219,278	9,700	19,999	4,197	120,517
Arkansas	80		227	160			80	21
California	649,809	319,262	1,032,815	94,601	86,719	70,332	21,463	16,526
Colorado	240	160	14,482	723	160			
Florida	19,975		639		40		120	
Idaho	203,971	102,108	170,611					
Iowa	11	80						
Kansas			40			19		
Louisiana	9,441	484				87	819	58
Michigan	55					357		
Minnesota	24,823	5,744	328	16	43	317	4,379	255
Missouri		240	600					
Montana	2,862,095	1,704,549	251,343					
Nebraska			200		156	280		
Nevada	76,394	515,222	712,564	123,066	32,580	9,527	44,696	70,031
New Mexico	70,505	1,525,406	344,121	1,137	96,984	15,552	8,466	21,688
North Dakota	53,597	623	70					
Oregon	117,678	39,372	23,986			1,472	40	
Utah	14,617	112,351	160			80		1,120
Washington	257,955	381,113	166,283	1,394	1,988	368		
Wisconsin	2,041	720	1,405	40	720	244		163
Wyoming	10,629	7,344	14,624					
Wagon-road grants	253,234	19,637	34,356	15,250		1,392	1,356	

Source of Tables 146 and 147: General Land Office, Department of the Interior.

No. 148.—ACREAGE OF LAND CERTIFIED OR PATENTED UNDER RAILWAY OR WAGON-ROAD GRANTS FROM 1850 TO JUNE 30, 1929

State grants, total	**37,803,441**
Illinois: Illinois Central	2,595,133
Mississippi, total	1,075,345
Mobile & Ohio River	737,130
Vicksburg & Meridian	199,102
Gulf & Ship Island	139,113
Alabama, total	2,746,377
Mobile & Ohio	[1] 419,528
Alabama & Florida	399,023
Selma, Rome & Dalton	458,671
Coosa & Tennessee	67,785
Mobile & Girard	302,181
Alabama & Chattanooga	654,170
South & North Alabama	445,518
Florida, total	2,217,779
Florida Central & Peninsular	742,468
Florida & Alabama	166,691
Pensacola & Georgia	1,279,237
Florida, Atlantic & Gulf Central	29,384
Louisiana: Vicksburg, Shreveport & Pacific	373,057
Arkansas, total	2,562,423
St. Louis, Iron Mountain & Southern	1,325,643
Little Rock & Fort Smith	1,052,083
Memphis & Little Rock	184,697
Missouri, total	1,837,968
Southwest branch of the Pacific road	1,161,285
Hannibal & St. Joseph	611,323
St. Louis, Iron Mountain & Southern	65,360
Iowa, total	4,929,849
Burlington & Missouri River	389,990
Chicago, Rock Island & Pacific	[2] 483,214
Cedar Rapids & Missouri River	161,533 [3] 922,825 244,023
Dubuque & Sioux City	[2] 556,407
Iowa Falls & Sioux City	683,057
Des Moines Valley (river-improvement grant)	840,171
Chicago, Milwaukee & St. Paul, formerly McGregor & Missouri River	326,216
Sioux City & St. Paul	322,413
Michigan, total	3,133,589
Port Huron & Lake Michigan	37,407
Jackson, Lansing & Saginaw	743,828
Grand Rapids & Indiana	852,521
Flint & Pere Marquette	513,130
Marquette, Houghton & Ontonagon	305,930
Ontonagon & Brule River	34,227
Bay de Noquet & Marquette	128,301
Chicago & North Western	518,185
Wisconsin, total	3,651,676
Chicago, St. Paul, Minneapolis & Omaha (formerly West Wisconsin)	814,671
Wisconsin Railroad Farm Mortgage Land Co.	163,160
Chicago, St. Paul, Minneapolis & Omaha (formerly St. Croix & Lake Superior)	816,488
Branch to Bayfield	471,721
Chicago & North Western	546,609
Wisconsin Central	839,028
Minnesota, total	8,045,547
St. Paul, Minneapolis & Manitoba (formerly first division, St. Paul & Pacific)	[3] 3,272,311
Western R. R. (succeeded by St. Paul & Northern Pacific R. R. Co.)	
St. Paul, Minneapolis & Manitoba (formerly St. Vincent extension of the St. Paul & Pacific)	
Minnesota Central	179,734
Winona & St. Peter	1,681,026
St. Paul & Sioux City	1,126,619
St. Paul & Duluth	861,133
Southern Minnesota, from a point on the Mississippi River to Houston	546,745
Southern Minnesota Extension (now Chicago, Milwaukee & St. Paul)	
Hastings & Dakota	377,978
Minnesota, North Dakota, Montana, and Washington: St. Paul, Minneapolis & Manitoba, now Great Northern (main and branch), a special act (Aug. 5, 1892, 27 Stat. L. 390) to provide for indemnity for lands relinquished by the company	[4]
Kansas, total	4,634,197
Leavenworth, Lawrence & Galveston	[5] 249,446
Missouri, Kansas & Texas	[5] 976,593
Atchison, Topeka & Santa Fe	2,944,788
St. Joseph & Denver City	463,369
Corporation grants, total	**93,606,271**
Union Pacific	11,935,281
Central Pacific	7,408,941
Central Pacific (successor by consolidation with Western Pacific)	461,498
Central branch, Union Pacific	223,139
Union Pacific (Kansas division)	6,176,384
Union Pacific (successor to Denver Pacific Railway Co.)	821,324
Burlington & Missouri River in Nebraska	2,374,091
Sioux City & Pacific (now Missouri Valley Land Co.)	42,611
Northern Pacific	39,030,499
Oregon branch of Central Pacific (California & Oregon)	3,225,170
Oregon & California	2,777,632
Atlanta & Pacific (now Santa Fe Pacific)	11,430,338
Southern Pacific (main line)	4,640,143
Southern Pacific (branch line)	2,228,056
Oregon Central	128,618
New Orleans Pacific	1,001,943
Wagon roads, total	**3,296,818**
From Lake Erie to Connecticut Western Reserve	80,774
From Lake Michigan to Ohio River	170,580
From Fort Wilkens, Copper Harbor, Mich., to Green Bay, Wis.	302,931
From Fort Wilkens, Copper Harbor, Mich., to Wisconsin State line	221,013
Oregon Central Military Co. (now California & Oregon Land Co.)	877,944
Corvallis and Yaquina Bay	83,717
Willamette Valley and Cascade Mountain	861,512
Dalles Military Road	592,907
Coos Bay Military Road	105,240

[1] In the adjustment of this grant the road was treated as an entirety and without reference to the State line. Hence Alabama has had approved to her more and Mississippi less than they would appear to be entitled to in proportion to the length of road in the respective States.

[2] Includes 35,685 acres of the Chicago, Rock Island & Pacific Ry.; 109,757 acres of the Cedar Rapids & Missouri River R. R.; and 77,535 acres of the Dubuque & Sioux City R. R., situated in the old Des Moines River grant of Aug. 8, 1846, which should be deducted.

[3] Declared to be one grant.

[4] See Minnesota for original grants.

[5] Leavenworth, Lawrence & Galveston includes 186,937 acres and Missouri, Kansas & Texas 270,971 acres in the Osage ceded reservation which are to be deducted under decision of the Supreme Court.

Source: General Land Office, Department of the Interior.

No. 149.—LAND GRANTS (INCLUDING SCRIP) TO STATES FOR EDUCATIONAL AND OTHER PURPOSES: ACREAGE TO JUNE 30, 1929

NOTE.—Does not include grants to States for specific railroad and wagon road companies covered by Table 148. The column "Internal improvements" covers only general items so designated

State	Total	Common schools	Universities and agricultural education	Other educational	Miscellaneous institutions	Internal improvements	Swamp	All other
Total	203,920,084	99,188,946	13,622,437	3,192,800	[1] 3,321,880	11,469,245	64,797,952	7,326,813
Alabama	2,258,264	911,627	286,080	96,080	181	500,000	439,636	24,660
Alaska	21,445,209	21,009,209	436,000					
Arizona	10,539,236	8,093,156	396,080	450,000	500,000			1,100,000
Arkansas	9,372,993	933,778	196,080			500,000	7,686,455	56,680
California	8,425,582	5,534,293	196,080			500,000	2,188,809	6,400
Colorado	4,433,538	3,685,618	137,680		32,000	500,000		78,240
Connecticut	180,000		180,000					
Delaware	90,000		90,000					
Florida	21,969,750	975,307	90,000	92,160		500,000	20,307,163	5,120
Georgia	270,000		270,000					
Idaho	3,632,157	2,963,698	186,080	200,000	[1] 250,000			32,379
Illinois	3,639,226	996,320	480,000	46,080		533,368	1,459,868	123,589
Indiana	4,306,253	668,578	390,000	46,080		1,916,805	1,259,191	25,600
Iowa	3,019,686	988,196	286,080			500,000	1,196,130	49,280
Kansas	3,606,783	2,907,520	143,762			500,000		55,501
Kentucky	352,509		330,000		22,509			
Louisiana	11,020,739	807,271	210,212	46,080		500,000	9,457,177	
Maine	210,000		210,000					
Maryland	210,000		210,000					
Massachusetts	360,000		360,000					
Michigan	8,787,573	1,021,867	286,080			500,000	5,680,110	1,299,516
Minnesota	8,369,527	2,874,951	212,160			500,000	4,701,543	80,873
Mississippi	4,951,007	824,213	210,000	69,120		500,000	3,346,420	1,253
Missouri	5,574,486	1,221,813	330,000	46,080		500,000	3,427,953	48,640
Montana	5,869,618	5,198,258	186,560	202,000	100,000			182,800
Nebraska	3,458,711	2,730,951	136,080		32,000	500,000		59,680
Nevada	2,723,647	2,661,967	46,080	90,000	12,800	500,000		12,800
New Hampshire	150,000		150,000					
New Jersey	210,000		210,000					
New Mexico	12,656,027	8,711,324	562,703	650,000	750,000			1,982,000
New York	990,000		990,000					
North Carolina	270,000		270,000					
North Dakota	3,163,552	2,495,396	216,080	120,000	[1] 250,000			82,076
Ohio	2,492,926	724,266	630,000	69,120		1,019,072	26,252	24,216
Oklahoma	3,095,760	2,044,000	600,000	450,000	1,760			
Oregon	4,353,535	3,399,360	136,080			500,000	264,213	53,882
Pennsylvania	780,000		780,000					
Rhode Island	120,000		120,000					
South Carolina	180,000		180,000					
South Dakota	3,434,203	2,733,084	246,080	120,000	[1] 250,640			84,399
Tennessee	300,000		300,000					
Texas	180,000		180,000					
Utah	7,464,276	5,844,196	356,080	200,000	500,000			564,000
Vermont	150,000		150,000					
Virginia	300,000		300,000					
Washington	3,044,471	2,376,391	136,080	200,000	[1] 200,000			132,000
West Virginia	150,000		150,000					
Wisconsin	6,220,272	932,329	332,160			500,000	3,357,033	1,048,749
Wyoming	4,138,569	3,470,009	136,080		[2] 420,000			112,480

[1] Includes "Educational and charitable" as follows: Idaho, 150,000 acres; North Dakota, 170,000 acres; South Dakota, 170,000 acres; Washington, 200,000 acres.
[2] Includes educational, penal, etc., 290,000 acres.

Source: General Land Office, Department of the Interior.

No. 150.—ACREAGE OF PUBLIC AND INDIAN LAND PATENTED: YEARS ENDED JUNE 30

Class	1921–1925, total	1926–1928, total	1929	State	1921–1925, total	1926–1928, total	1929
Total	46,515,448	11,342,941	2,494,647	Alabama	54,118	25,417	9,458
				Alaska	68,415	28,343	8,267
Abandoned military reservation	62,594	13,773	6,692	Arizona	5,084,864	419,607	246,196
Coal	12,810	757		Arkansas	322,674	76,105	16,215
Commuted homestead	331,201	83,023	13,634	California	2,782,158	876,225	190,248
Desert land	1,063,845	197,249	49,957	Colorado	5,644,673	1,457,273	236,753
Desert-land segregation	244,359	19,330	2,264	Dist. of Col			4
Forest exchange		31,618	55,630	Florida	121,705	99,453	15,367
Forest homesteads	596,366	88,039	17,000	Idaho	1,864,173	432,199	98,837
Forest lieu selection	161,840	26,088	6,312	Illinois	3,331	723	943
Homestead final	5,530,497	944,436	190,069	Indiana	3,908	3,760	800
Homestead enlarged	14,501,164	1,578,297	305,368	Iowa	1,424	299	1,408
Homestead stock-raising	12,199,452	6,301,562	1,350,385	Kansas	157,307	13,562	1,644
Indian homestead	577,408	218,970	2,908	Louisiana	77,737	83,311	10,743
Indian trust	2,715,951	768,665	92,896	Michigan	75,943	9,755	2,343
Mineral	266,643	140,543	46,931	Minnesota	327,094	72,330	16,411
Miscellaneous cash	90,164	62,471	5,973	Mississippi	68,913	51,830	13,299
Private land claim	137,271	40,471	17,780	Missouri	5,669	2,304	985
Public sale	473,304	96,284	29,653	Montana	9,994,114	2,165,796	435,882
Railroad	6,185,467	431,890	230,107	Nebraska	266,832	47,595	9,833
Reclamation homesteads	143,894	29,689	13,489	Nevada	937,424	195,134	100,512
Small holding claim	16,087	3,827	219	New Mexico	4,997,676	1,642,153	365,921
Soldiers' additional	19,406	5,593	2,857	North Dakota	601,987	60,656	9,604
Special acts	741,801	62,412	25,056	Ohio	4,394	2,153	
Swamp	58,559	68,245	12,837	Oklahoma	95,371	23,999	7,124
Timber sales	[1] 34,959	[2,3] 23,478	(3)	Oregon	2,085,167	633,019	96,376
Timber and stone	240,982	63,718	11,709	South Dakota	2,307,205	440,399	81,388
Town lots	2,718	2,146	366	Utah	701,475	389,703	106,156
Town site	964	919		Washington	753,944	237,701	24,835
Miscellaneous	105,596	40,449	3,555	Wisconsin	22,063	9,887	1,003
				Wyoming	7,083,673	1,843,250	386,092

[1] Total for years 1924 and 1925.
[2] Total for 1926 and 1927.
[3] There were timber sales from 7,386 acres in 1928 and 13,037 acres in 1929 of revested cut-over lands which are not included in the table.

Source: General Land Office, Department of the Interior

No. 151.—RECEIPTS UNDER THE MINERAL LEASING ACT OF FEBRUARY 25, 1920: FROM THE PASSAGE OF THE ACT TO JUNE 30, 1929

State	Total	1921–1924	1925	1926	1927	1928	1929
Total	*Dollars* 71,632,501	*Dollars* 39,737,322	*Dollars* 8,278,709	*Dollars* 8,364,719	*Dollars* 6,669,519	*Dollars* 4,677,354	*Dollars* 3,884,879
Alabama	100,719	85,460	920	920	1,565	3,036	8,818
California	17,977,722	12,620,145	1,037,007	1,092,493	1,194,086	1,389,800	644,191
Colorado	533,411	59,918	71,285	94,418	109,047	96,839	101,903
Idaho	8,738	374		924	1,963	2,482	2,996
Louisiana	35,182	3,142	925	883	14,216	3,898	12,118
Montana	1,582,638	730,107	172,684	249,691	188,897	119,070	113,188
Nevada	5,850		720	1,497	1,440	1,463	730
New Mexico	115,277	7,865	3,474	17,437	15,392	25,835	45,273
North Dakota	105,438	17,775	8,136	8,630	7,744	32,740	30,411
South Dakota	641	123	168	252	19	40	40
Utah	346,605	105,195	26,822	32,750	34,871	58,081	88,887
Washington	25,853	14,156	3,065	1,699	2,504	3,977	452
Wyoming	50,794,426	26,084,061	6,953,501	6,883,126	5,097,775	2,940,091	2,835,871

Source: General Land Office, Department of the Interior.

No. 152.—ACREAGE OF PUBLIC LAND WITHDRAWN FROM SETTLEMENT AND RESTORATIONS THEREFROM

NOTE.—These figures cover withdrawals and restorations for purposes shown only. They do not include national forests (see tables in section 29, Forests and Forest Products), national parks (see Table 155), withdrawals under the reclamation act, or small miscellaneous reservations

	Coal land	Oil land	Phosphate land	Potash land	Power-site reserve[1]	Reservoir sites	Public water reserve
Withdrawals outstanding June 30—							
1920	40,138,742	6,751,436	2,724,394	130,100	3,687,819	62,854	240,363
1921	39,875,414	6,691,414	2,724,340	130,100	3,705,617	200,894	244,632
1922	34,966,492	6,580,611	2,425,494	130,100	3,684,350	202,438	255,249
1923	34,558,369	6,417,662	2,425,454	130,100	3,848,236	202,438	254,810
1924	31,951,634	5,995,939	2,390,873	130,100	3,883,141	210,422	355,232
1925	31,442,263	5,940,921	2,319,863	130,100	4,243,768	210,422	357,307
1926	31,128,509	5,802,617	2,320,023	7,548,537	4,499,621	253,608	359,566
1927	30,535,330	5,273,362	2,307,019	7,548,537	4,915,131	253,608	362,521
1928	[2]29,940,372	[2]5,275,236	[2]2,031,306	[2]7,548,216	[3]4,994,937	254,528	392,876
1929	29,883,366	5,183,096	2,005,045	9,411,939	5,079,487	254,050	405,231
Alabama					1,780		
Alaska					198,877		
Arizona	139,415	356			1,231,175		17,890
Arkansas					[3]23,584		
California	17,603	1,178,392		90,357	599,682	45,266	188,288
Colorado	4,142,233	218,997			427,761		6,148
Florida			67,076				
Idaho	4,761		391,532		397,362		14,345
Louisiana		466,990					
Michigan					1,240		
Minnesota					12,309		
Montana	7,863,941	1,350,426	279,944		182,025	9,080	8,416
Nebraska					761		
Nevada	83,673			30,422	56,018		12,646
New Mexico	5,084,069			9,282,160	263,504		10,051
North Dakota	5,954,364	84,894					
Oregon	4,361				682,085	18,603	26,001
South Dakota							240
Utah	3,036,541	1,341,264	277,344		606,820	26,040	37,941
Washington	691,801				288,469	36,327	920
Wyoming	2,260,604	541,777	989,149		106,026	118,734	82,345
New withdrawals during year ended June 30—							
1925					398,860		3,035
1926			280	7,418,437	278,389	43,186	5,860
1927	25,996				457,466		4,275
1928					84,789	920	31,153
1929				1,863,723	105,886		13,440
Alaska					34,600		
Arizona							600
California					18,219		1,200
Colorado					882		440
Idaho					803		240
Montana					590		1,240
Nevada				1,863,723	1,009		240
New Mexico					3,538		4,520
Oregon					865		2,000
Utah					45,470		
Washington							2,960
Wyoming							
Restorations of land previously withdrawn, year ended June 30—							
1925	509,370	55,418	71,010		38,233		960
1926	313,754	137,904	120		22,436		3,591
1927	619,175	529,255	12,104		41,956		1,360
1928	389,531	3,960	9,596	40	5,081		798
1929	57,006	92,140	26,261		21,336	478	1,085
Arizona		92,140			15		445
Arkansas							
California					1,101		
Colorado	37,783				5,210		
Florida			1,520				
Montana	19,223						
Nevada							
North Dakota						478	
Oregon					11,241		
Utah			24,601		3,720		
Wyoming			140		49		640

[1] Includes withdrawals under act of June 25, 1910, power-site designations under acts of June 20, 1910, and June 9, 1916, and power-site classifications under act of Mar. 3, 1879.
[2] Totals revised to accord with Geological Survey report.
[3] Includes 100 acres omitted in 1928.

Source: General Land Office, Department of the Interior.

No. 153.—PUBLIC LAND: ACRES UNAPPROPRIATED AND UNRESERVED, JUNE 30

State	1890	1900	1910	1920	1927	1928	1929
Total	[1] 586,216,861	[1] 557,643,120	343,971,674	200,320,128	193,737,588	193,847,240	190,031,722
Alabama	1,105,060	359,250	108,210	37,200			
Arizona	49,699,052	50,286,986	41,491,369	18,268,909	16,961,100	18,199,100	16,911,367
Arkansas	4,902,329	3,493,444	512,705	276,595	227,529	218,911	205,933
California	53,922,718	42,467,512	24,864,884	19,585,801	20,610,877	20,422,083	20,209,421
Colorado	39,994,446	39,650,247	21,726,192	8,941,185	7,213,300	7,717,121	8,218,875
Florida	5,624,426	1,596,411	453,009	120,077	13,862	11,506	13,855
Idaho	46,957,290	43,286,694	24,743,804	8,805,112	10,847,882	10,764,857	10,734,420
Iowa	5,000						
Kansas	755,791	1,196,900	137,180	4,346			
Louisiana	1,338,853	442,224	88,911	14,240			
Michigan	832,707	430,483	107,890	73,523			
Minnesota	6,913,554	4,696,203	1,563,302	256,297	248,740	214,340	197,996
Mississippi	1,407,480	285,804	47,058	33,360			
Missouri	1,151,463	337,946	2,510	18			
Montana	64,807,627	67,963,057	36,015,943	5,973,741	6,942,527	7,192,318	6,900,144
Nebraska	11,226,584	9,708,688	1,879,486	66,844	30,001	28,623	28,960
Nevada	59,804,540	61,277,506	56,474,688	54,267,175	53,112,473	53,878,958	53,410,938
New Mexico	56,360,326	56,541,170	36,454,692	18,448,873	17,065,843	16,869,600	16,282,532
North Dakota	30,497,400	18,725,239	1,410,225	81,044	133,814	126,474	152,113
Oklahoma	[2] 3,694,693	5,733,572	5,007	7,404			
Oregon	38,273,228	34,377,907	17,580,573	14,006,757	13,176,034	13,423,703	13,227,141
South Dakota	10,241,498	11,930,809	4,562,804	288,472	383,800	396,200	402,670
Utah	36,205,100	42,967,451	35,955,554	29,991,715	26,259,172	25,994,956	25,147,867
Washington	19,646,316	11,125,883	3,196,050	1,086,686	931,544	877,921	951,903
Wisconsin	819,320	313,565	14,460	5,154			
Wyoming	49,010,060	48,358,169	34,575,159	19,679,595	19,579,090	17,510,569	17,035,537

[1] Exclusive of the Cherokee Strip, containing 8,004,644 acres, and all other lands owned or claimed by the Indians in the Indian Territory west of the ninety-sixth degree of longitude.
[2] Figures include 3,672,640 acres of unsurveyed land in public land strip.

Source: General Land Office, Department of the Interior.

No. 154.—AREA OF INDIAN RESERVATIONS AND INDIAN POPULATION OF THE UNITED STATES, EXCLUSIVE OF ALASKA: JUNE 30

State	Area of Indian reservations—unallotted square miles					Indian population				
	1880	1890	1900	1920	1929	1880	1890	1900	1920	1929
Total	241,800	162,991	121,665	55,792	50,028	256,127	243,534	270,544	336,337	345,575
Arizona	4,832	10,318	23,673	34,195	31,703	21,361	30,749	40,189	42,400	46,350
California	783	772	635	690	774	10,669	12,108	11,431	16,241	19,060
Colorado	19,480	1,710		619	619	2,530	1,793	995	796	836
Florida				42	42			575	454	516
Idaho	4,295	3,553	2,132	87	90	4,020	4,251	3,557	4,048	3,898
Indian Territory	64,236	40,412	30,490			[1] 76,895	[1] 68,225	[1] 86,265		
Iowa	1	2	4	5	5	355	399	385	345	387
Kansas	215	159	44		2	746	1,016	1,211	1,466	1,581
Michigan	104	42	13			10,141	7,428	7,557	7,510	1,192
Minnesota	7,353	3,523	2,448	865	868	6,198	6,403	8,952	12,681	15,573
Montana	45,870	16,549	14,845	5,538	1,203	21,650	10,842	10,076	12,374	14,043
Nebraska	682	214	117	10	12	4,409	3,254	3,854	2,461	4,337
Nevada	1,383	1,490	1,491	1,135	1,300	6,800	8,375	8,321	5,990	4,900
New Mexico	11,295	15,629	2,606	3,278	5,524	23,452	10,998	9,480	21,530	27,583
New York	135	137	137	137	137	5,139	5,112	5,334	6,432	4,402
North Carolina	102	102	154	99	99	2,209	3,000	1,436	8,268	3,191
North Dakota	[2] 57,214	9,158	5,784	156	2	[2] 27,168	7,759	8,276	9,018	10,526
Oklahoma		20,770	10,756	5	60		13,176	13,926	[1] 119,255	[1] 121,531
Oregon	6,022	3,242	2,031	1,860	1,756	5,355	4,507	4,063	6,629	4,521
South Dakota	(2)	18,221	14,050	508	412	(2)	19,696	19,212	23,010	23,518
Texas						290	290	290	702	2,359
Utah	3,186	6,207	3,186	526	532	840	2,211	2,115	3,057	1,553
Washington	10,821	6,321	3,646	2,655	1,335	14,289	9,830	9,827	11,114	12,881
Wisconsin	916	800	595	424	428	8,847	9,152	10,726	10,319	11,530
Wyoming	2,375	3,660	2,828	2,899	3,120	2,063	1,658	1,642	1,748	1,979
Miscellaneous						710	1,302	849	8,579	7,328

[1] Figures include the Five Civilized Tribes, with population as follows: 1880, 59,187; 1890, 65,200; 1900, 84,570; 1920 and 1929, 101,506, including 23,405 freedmen and 2,582 intermarried whites.
[2] Figures shown for North Dakota are for Dakota Territory.

Source: Commissioner of Indian Affairs, Department of the Interior.

No. 155.—NATIONAL PARKS AND NATIONAL MONUMENTS

PARKS ADMINISTERED BY NATIONAL PARK SERVICE

Name	Location	When established	Area	Description
Total area			*Sq. miles* 12,118	
Hot Springs [1]	Middle Arkansas.	Apr. 20, 1832 Mar. 4, 1921	1½	46 hot springs possessing curative properties—Many hotels and boarding houses—19 bathhouses under public control.
Yellowstone [1]	Northwestern Wyoming, southwestern Montana, and northeastern Idaho.	Mar. 1, 1872 Mar. 1, 1929	[2] 3,426	More geysers than in all the rest of world together—Boiling springs—Mud volcanoes—Petrified forests—Grand Canyon of the Yellowstone, remarkable for gorgeous coloring—Large lakes—Many large streams and waterfalls—Vast wilderness, greatest wild bird and animal preserve in the world—Exceptional trout fishing.
Sequoia [1]	Middle eastern California.	Sept. 25, 1890 July 3, 1926	604	The Big Tree National Park—Thousands of sequoia trees over 10 feet in diameter, some 20 to 30 feet in diameter—Towering mountain ranges—Startling precipices—Mount Whitney and Kern River country.
Yosemite [1]	do	Oct. 1, 1890 May 28, 1928 [3]	1,126	Valley of world-famed beauty — Lofty cliffs—Romantic vistas—Many waterfalls of extraordinary height—3 groves of big trees—High Sierra—Waterwheel Falls—Good trout fishing.
General Grant [1]	do	Oct. 1, 1890	4	Created to preserve the celebrated General Grant Tree, 40 feet in diameter.
Mount Rainier [1]	West central Washington	Mar. 2, 1899 May 28, 1926	325	Largest accessible single peak glacier system—28 glaciers, some of large size—48 square miles of glacier, 50 to 500 feet thick—Wonderful subalpine wild-flower fields.
Crater Lake [1]	Southwestern Oregon.	May 22, 1902	249	Lake of extraordinary blue in crater of extinct volcano—Sides 1,000 feet high—Interesting lava formation—Fine fishing.
Wind Cave [1]	South Dakota.	Jan. 9, 1903	17	Cavern having many miles of galleries and numerous chambers containing peculiar formations.
Platt	Southern Oklahoma.	July 1, 1902 Apr. 21, 1904 June 29, 1906	1⅓	Many sulphur and other springs possessing medicinal value.
Sullys Hill	North Dakota.	Apr. 27, 1904	1½	Small park with woods, streams, a lake. Is an important wild-animal preserve.
Mesa Verde [1]	Southwestern Colorado.	June 29, 1906 June 30, 1913 [3]	80	Most notable and best preserved prehistoric cliff dwellings in United States, if not in the world.
Glacier [1]	Northwestern Montana.	May 11, 1910	1,534	Rugged mountain region of unsurpassed alpine character—250 glacier-fed lakes of romantic beauty—60 small glaciers—Precipices thousands of feet deep—Almost sensational scenery of marked individuality—Fine trout fishing.
Rocky Mountain [1]	North middle Colorado.	Jan. 26, 1915 [3] Feb. 14, 1917 June 2, 1924 [3] June 9, 1926	378	Heart of the Rockies—Snowy range, peaks 11,000 to 14,255 feet altitude—Remarkable records of glacial period.
Hawaii [1]	Hawaii	Aug. 1, 1916 May 1, 1922 [3] Feb. 12, 1927 [3] Apr. 11, 1928 [3]	245	Three separate volcanic areas—Kilauea and Mauna Loa on Hawaii; Haleakala on Maui.
Lassen Volcanic [1]	Northern California.	Aug. 9, 1916 Apr. 25, 1928 [3] May 21, 1928 Jan. 19, 1929 [3]	163	Only active volcano in United States proper— Lassen Peak, 10,460 feet—Cinder cone 6,907 feet—Hot Springs—Mud geysers.
Mount McKinley	South central Alaska.	Feb. 26, 1917 Jan. 30, 1922 [3]	2,645	Highest mountain in North America—Rises higher above surrounding country than any other mountain in the world.
Grand Canyon [1]	North central Arizona.	Feb. 26, 1919 Feb. 5, 1927 [3] Mar. 7, 1928 [3]	1,009	The greatest example of erosion and the most sublime spectacle in the world.
Acadia [1]	Maine coast	Feb. 26, 1929 Jan. 19, 1929 [3]	16	The group of granite mountains upon Mount Desert Island and also bold point on opposite mainland across Frenchman's Bay. Formerly called Lafayette National Park.
Zion [1]	Southwestern Utah.	Nov. 19, 1919	120	Magnificent gorge (Zion Canyon), depth from 1,500 to 2,500 feet, with precipitous walls—Of great beauty and scenic interest.

[1] General information circulars on these parks may be obtained free from Department of the Interior.
[2] In Wyoming, 3,145 square miles; in Montana, 245; in Idaho, 36.
[3] Boundary changed.

No. 155.—National Parks and National Monuments—Continued

PARKS ADMINISTERED BY NATIONAL PARK SERVICE—Continued

Name	Location	When established	Area	Description
Bryce Canyon	Southwestern Utah	June 7, 1924 Feb. 25, 1928 [3] May 12, 1928 Sept. 15, 1928	*Sq. miles* 23	Box canyon filled with countless array of fantastically eroded pinnacles—Best exhibit of vivid coloring of earth's materials.
Grand Teton	Northwestern Wyoming.	Feb. 26, 1929	150	Includes spectacular Teton Mountains, a granite uplift of unusual grandeur.

MILITARY AND OTHER PARKS ADMINISTERED BY THE WAR DEPARTMENT

			Acres 14,062	
Total area				
Antietam Battle Field.	Maryland	Aug. 30, 1890	40	Scene of one of the greatest battles of the Civil War.
Chickamauga and Chattanooga.	Georgia and Tennessee.	Aug. 19, 1890	6,542	Beautiful natural park; embraces battle fields of Chickamauga and Missionary Ridge and scenes of other conflicts of the Civil War fought in the vicinity of Chattanooga during 1863.
Fredericksburg and Spotsylvania.	Virginia	Feb. 14, 1927	[4]	Scene of battles of Fredericksburg, Spotsylvania, Wilderness, Chancellorsville, and Salem Church at or near Fredericksburg.
Fort Donelson	Tennessee	Mar. 26, 1928	[4]	Site of Civil War fort—now military cemetery.
Gettysburg [5]	Pennsylvania	Feb. 11, 1895	2,317	Beautiful natural park; scene of Civil War combat; probably better marked than any other battle field in the world.
Guilford Courthouse.	North Carolina.	Mar. 2, 1917	110	Near Greensboro; scene of one of the great battles of the Revolution; fought in 1781.
Moores Creek	do	June 2, 1926	30	Scene of one of most memorable battles of Revolutionary War.
Petersburg	Virginia	July 3, 1926	185	Scene of campaign and siege and defense of Petersburg, Va., in 1864 and 1865.
Shiloh	Tennessee	Dec. 27, 1894	3,584	Natural park embracing the battle field of Shiloh near Pittsburg Landing.
Stones River	do	Mar. 3, 1927	[4]	Scene of the battle of Stones River in Tennessee.
Vicksburg	Mississippi	Feb. 21, 1899	1,324	Beautiful natural park; scene of the siege and surrender of Vicksburg in 1863 during the Civil War.

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE

			Acres 2,385,920	
Total area				
Devils Tower	Wyoming	Sept. 24, 1906	1,153	Remarkable natural rock tower, of volcanic origin, 1,200 feet in height.
Montezuma Castle	Arizona	Dec. 8, 1906	[6] 160	Prehistoric cliff-dwelling ruin of unusual size in a niche in face of a vertical cliff. Of scenic and ethnologic interest.
El Morro	New Mexico	Dec. 8, 1906 June 18, 1917	240	Enormous sandstone rock eroded in form of a castle, upon which inscriptions have been placed by early Spanish explorers. Contains cliff-dweller ruins. Of great historic, scenic, and ethnologic interest.
Petrified Forest	Arizona	Dec. 8, 1906 July 31, 1911	25,908	Abundance of petrified coniferous trees, one of which forms a small natural bridge. Is of great scientific interest.
Chaco Canyon	New Mexico	Mar. 11, 1907 Jan. 10, 1928	[6] 21,512	Numerous cliff-dweller ruins, including communal houses in good condition, and but little excavated.
Muir Woods [4]	California	Jan. 9, 1908 Sept. 22, 1921	426	One of the most noted redwood groves in California, and was donated by Hon. William Kent, ex-Member of Congress. Located 7 miles from San Francisco.
Pinnacles	do	Jan. 16, 1908 May 7, 1923 July 2, 1924	2,980	Many spirelike rock formations, 600 to 1,000 feet high, visible many miles; also numerous caves and other formations.
Natural bridges	Utah	Apr. 16, 1908 Sept. 25, 1909 Feb. 11, 1916	[6] 2,740	Three natural bridges, among largest examples of their kind. Largest bridge is 222 feet high, 65 feet thick at top of arch; arch is 28 feet wide; span, 261 feet: height of span, 157 feet. Other two slightly smaller.

[3] Boundary changed.
[4] Undetermined.
[5] Donated in whole or in part to the United States.
[6] Estimated.

No. 155.—National Parks and National Monuments—Continued

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE—Continued

Name	Location	When established	Area	Description
			Acres	
Lewis & Clark Cavern [5]	Montana	May 11, 1908 May 16, 1911	160	Immense limestone cavern of great scientific interest, magnificently decorated with stalactite formations. Now closed to public because of depredations by vandals.
Tumacacori	Arizona	Sept. 15, 1908	10	Ruin of Franciscan mission dating from seventeenth century. Being restored by National Park Service as rapidly as funds permit.
Navajo	do	Mar. 20, 1909 Mar. 14, 1912	360	Contains numerous pueblo, or cliff-dweller ruins, in good preservation.
Shoshone Cavern	Wyoming	Sept. 21, 1909	210	Cavern of considerable extent, near Cody.
Gran Quivira	New Mexico	Nov. 1, 1909 Nov. 25, 1919	424	One of the most important of earliest Spanish mission ruins in the Southwest. Monument also contains pueblo ruins.
Sitka	Alaska	Mar. 23, 1910	57	Park of great natural beauty and historic interest as scene of massacre of Russians by Indians. Contains 16 totem poles of best native workmanship.
Rainbow Bridge	Utah	May 30, 1910	160	Unique natural bridge of great scientific interest and symmetry. Height 309 feet above water, and span is 278 feet, in shape of rainbow.
Colorado	Colorado	May 24, 1911	13,749	Many lofty monoliths, and is wonderful example of erosion, and of great scenic beauty and interest.
Papago Saguaro	Arizona	Jan. 31, 1914 Dec. 28, 1922	1,940	Splendid collection of characteristic desert flora and numerous pictographs. Interesting rock formations.
Dinosaur	Utah	Oct. 4, 1915	80	Deposits of fossil remains of prehistoric animal life of great scientific interest.
Capulin Mountain	New Mexico	Aug. 9, 1916	680	Cinder cone of geologically recent formation.
Verendrye	North Dakota	June 29, 1917	250	Includes Crowhigh Butte, from which Explorer Verendrye first beheld territory beyond the Missouri River.
Casa Grande	Arizona	June 22, 1892 Dec. 10, 1909 Aug. 3, 1918 June 7, 1926	472	These ruins are one of the most noteworthy relics of a prehistoric age and people within the limits of the United States. Discovered in ruinous condition in 1694.
Katmai	Alaska	Sept. 24, 1918 Sept. 5, 1923	1,087,990	Wonderland of great scientific interest in the study of volcanism. Phenomena exist upon a scale of great magnitude. Includes Valley of Ten Thousand Smokes.
Scotts Bluff	Nebraska	Dec. 12, 1919 May 9, 1924	1,894	Region of historic and scientific interest. Many famous old trails, traversed by the early pioneers in the winning of the West, passed over and through this monument.
Yucca House [5]	Colorado	Dec. 19, 1919	9.6	Located on eastern slope of Sleeping Ute Mountain. Is pile of masonry of great archæological value, relic of prehistoric inhabitants.
Fossil Cycad	South Dakota	Oct. 21, 1922	320	Area containing deposits of fossil plants.
Aztec Ruin [5]	New Mexico	Jan. 24, 1923 July 2, 1928	17.2	Prehistoric ruin of pueblo type containing 500 rooms and other ruins.
Hovenweep	Utah-Colorado	Mar. 2, 1923	286	Four groups of prehistoric towers, pueblos, and cliff dwellings.
Pipe Spring	Arizona	May 31, 1923	40	Old stone fort and spring of pure water in desert region. Serves as memorial to early western pioneer life.
Carlsbad Cave	New Mexico	Oct. 25, 1923	719	Beautifully decorated limestone cavern, believed to be largest yet discovered.
Craters of the Moon.	Idaho	May 2, 1924 July 23, 1928	49,565	Best example of fissure lava flows; volcanic region with weird landscape effects.
Wupatki	Arizona	Dec. 9, 1924	2,234	Prehistoric dwellings of ancestors of Hopi Indians.
Glacier Bay	Alaska	Feb. 26, 1925	1,164,800	Contains tidewater glaciers of first rank.
Arches	Utah	Apr. 12, 1929	4,520	Contains extraordinary examples of wind erosion in the shape of gigantic arches, windows, and other unique formations.

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE

Total area			*Acres* 378,240	
Gila Cliff Dwellings.	New Mexico	Nov. 16, 1907	160	Numerous cliff-dweller ruins of much interest and in good preservation.
Tonto	Arizona	Dec. 19, 1907	[6] 640	Do.
Jewel Cave	South Dakota	Feb. 7, 1908	[6] 1,280	Limestone cavern of much beauty and considerable extent, limits of which are as yet unknown.

[5] Donated in whole or part to the United States.

[6] Estimated.

No. 155.—National Parks and National Monuments—Continued

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE—Contd.

Name	Location	When established	Acres	Description
			Acres	
Wheeler	Colorado	Dec. 7, 1908	300	Of much interest from geological standpoint as example of eccentric erosion and extinct volcanic action. Of much scenic beauty.
Mount Olympus	Washington	Mar. 2, 1909 Apr. 17, 1912 May 11, 1915	298,730	Contains many objects of great and unusual scientific interest, including many glaciers. Is summer range and breeding ground of the Olympic elk.
Oregon Caves	Oregon	July 12, 1909	480	Extensive caves in limestone formation of much beauty; magnitude not entirely ascertained.
Devils Postpile	California	July 6, 1911	800	Spectacular mass of hexagonal basaltic columns, like an immense *pile of posts*. Said to rank with famous Giant's Causeway in Ireland.
Walnut Canyon	Arizona	Nov. 30, 1915	960	Contains cliff dwellings of much scientific and popular interest.
Bandelier	New Mexico	Feb. 11, 1916	22,075	Vast numbers of cliff-dweller ruins, with artificial caves, stone sculpture, and other relics of prehistoric life.
Old Kasaan	Alaska	Oct. 25, 1916	38	Abandoned Indian village in which there are numerous remarkable totem poles and other objects of historical interest.
Lehman Caves	Nevada	Jan. 24, 1922	593	Limestone caverns of much beauty and of scientific interest and importance.
Timpanogos Cave	do	Oct. 14, 1922	250	Limestone cavern.
Chiricahua	Arizona	Apr. 18, 1924	4,480	Natural rock formations within Coronado National Forest.
Lava Beds	California	Nov. 21, 1925	45,967	Interesting ice caves. Battleground of Modoc Indian War, 1873.
Holy Cross	Colorado	May 11, 1929	1,392	Figure in form of Greek Cross may be seen on side of the Mount of the Holy Cross.

MONUMENTS ADMINISTERED BY THE WAR DEPARTMENT

			Acres	
Total area			822	
Chalmette	Louisiana	May 24, 1907	17	Erected in memory of the Battle of New Orleans which was fought on Jan. 8, 1815.
Big Hole Battle Field.	Montana	June 23, 1910	5	Site of battle field on which battle was fought Aug. 9, 1877, between a small force of United States troops and a much larger force of Nez Perce Indians, resulting in rout for the Indians.
Cabrillo	California	Oct. 14, 1913 May 12, 1926	1	Of historic interest because of discovery of the territory now partly embraced in the State of California by Juan Rodriguez Cabrillo, who at this point first sighted land on Sept. 28, 1542.
Abraham Lincoln's birthplace.	Kentucky	July 17, 1916	110	Contains the log cabin and part of the farm where Abraham Lincoln was born.
Mound City Group	Ohio	Mar. 2, 1923	57	Famous group of prehistoric mounds in Camp Sherman Military Reservation.
Fort Wood	New York	Oct. 15, 1924	2.5	Site of the Statue of Liberty.
Castle Pinckney	South Carolina	do	3.5	Fortification built in 1810 to replace a Revolutionary fort.
Fort Pulaski	Georgia	do	20	Built in 1810 to replace Fort Greene of the Revolution.
Fort Marion	Florida	do	18	Fort built by Spaniards in 1656.
Fort Matanzas	do	do	1	Relic of Spanish invasion.
Meriwether Lewis	Tennessee	Feb. 2, 1925	300	Contains grave of Captain Lewis of the Lewis and Clark expedition.
Fort Niagara	New York	Sept. 5, 1925	.9074	Commemorates erection and dedication of cross by a French Jesuit missionary on Good Friday, 1688.
Fort McHenry	Maryland	Mar. 3, 1925	47	Restored and preserved as birthplace of "Star-Spangled Banner."
White Plains Battle Field.	New York	May 18, 1926	None.	Memorial tablet to indicate the position of the Revolutionary army under the command of General Washington.
Kitty Hawk	North Carolina.	Mar. 2, 1927	do	Scene of first sustained flight by heavier-than-air machine.
Kenesaw Mountain.	Georgia	Feb. 15, 1928	60	Site of important Civil War engagement fought Feb. 27, 1864.

Source: Annual Report of the Secretary of the Interior.

7. CLIMATE

No. 156.—CLIMATIC CONDITIONS: SELECTED CITIES IN THE UNITED STATES

NOTE.—The table presented herewith shows the more important facts concerning the weather at a number of points in the United States selected with a view to covering all the important climatic sections and including at least one from each State. The temperature extremes include the entire period of observations to Dec. 31, 1929. Other data are long-time averages covering periods ranging from 20 to more than 50 years. Temperatures are Fahrenheit

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
ALABAMA, MONTGOMERY													
Temperature:													
Monthly mean	48.2	51.6	57.8	65.3	73.4	79.6	81.7	80.8	76.3	66.6	55.8	49.4	65.5
Daily mean maximum	56.9	60.8	67.6	75.5	83.6	89.5	91.0	89.9	85.8	76.8	65.8	58.4	75.1
Daily mean minimum	39.5	42.3	47.9	55.1	63.2	69.8	72.3	71.7	66.6	56.4	45.8	40.4	55.9
Highest on record	80	84	90	92	99	106	107	103	106	96	85	80	107
Lowest on record	5	−5	21	30	43	48	61	58	45	31	18	8	−5
Precipitation:													
Total, inches	5.20	5.45	5.99	4.30	3.84	3.80	4.86	4.23	2.99	2.46	3.23	4.84	51.19
Days with 0.01 inch or more	11	10	10	8	9	11	12	11	8	6	7	10	113
Total snowfall, inches	0.2	0.3	(1)	(1)	0	0	0	0	0	0	(1)	0.3	0.8
Percentage of possible sunshine	50	54	60	66	71	73	62	66	66	66	66	45	62
Number of clear days	8	9	12	12	13	10	8	9	14	16	14	10	135
Hourly wind velocity, miles	6.6	7.2	7.2	6.6	5.7	5.3	5.0	4.6	5.3	5.4	5.7	6.2	5.9
ARIZONA, PHOENIX													
Temperature:													
Monthly mean	51.2	55.1	60.7	67.0	75.0	84.5	89.8	88.5	82.7	70.6	59.7	52.0	69.7
Daily mean maximum	63.7	68.0	74.1	81.6	90.1	100.2	103.1	101.0	95.4	85.2	73.9	64.9	83.5
Daily mean minimum	38.7	42.2	47.3	52.5	59.8	68.7	76.4	76.0	69.0	56.0	45.5	39.0	55.9
Highest on record	84	92	95	103	114	119	118	113	112	105	96	80	119
Lowest on record	16	24	30	35	39	49	63	58	47	36	28	22	16
Precipitation:													
Total, inches	0.80	0.77	0.68	0.40	0.12	0.07	1.07	0.95	0.75	0.47	0.70	1.00	7.78
Days with 0.01 inch or more	4	4	4	2	1	1	6	6	3	2	3	3	39
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	72	77	80	87	91	93	82	83	89	89	83	77	84
Number of clear days	17	15	17	21	23	25	17	18	22	23	20	19	237
Hourly wind velocity, miles	4.0	4.6	5.0	5.4	4.9	5.0	5.0	4.6	4.4	4.2	3.9	3.8	4.6
ARKANSAS, LITTLE ROCK													
Temperature:													
Monthly mean	41.4	44.9	53.0	62.1	70.3	77.4	80.9	79.8	74.1	63.6	52.1	44.2	62.0
Daily mean maximum	49.4	53.7	62.3	71.3	79.4	86.4	89.3	88.8	83.3	73.3	61.3	52.2	70.9
Daily mean minimum	33.4	36.0	43.8	52.8	61.2	68.4	71.9	70.7	64.9	53.9	42.9	36.2	53.0
Highest on record	78	87	89	94	96	102	106	105	104	93	84	78	106
Lowest on record	−8	−12	14	28	39	51	58	52	41	27	19	5	−12
Precipitation:													
Total, inches	4.73	3.84	4.62	5.19	4.78	3.76	3.56	3.75	3.17	2.71	4.19	4.14	48.38
Days with 0.01 inch or more	9	9	10	10	9	10	10	9	7	7	8	9	107
Total snowfall, inches	2.8	1.5	0.4	(1)	0	0	0	0	0	0	0.1	1.2	6.0
Percentage of possible sunshine	46	53	56	62	65	71	70	71	72	70	60	43	62
Number of clear days	10	9	11	11	11	11	11	13	15	17	13	11	143
Hourly wind velocity, miles	9.7	10.4	10.9	10.3	8.8	7.4	7.2	6.6	7.2	7.8	8.6	8.9	8.6
CALIFORNIA, FRESNO													
Temperature:													
Monthly mean	46.2	51.1	55.0	60.2	67.1	75.8	82.1	80.7	73.4	64.0	54.2	46.2	63.0
Daily mean maximum	54.5	60.8	65.7	73.4	81.8	92.0	99.4	98.0	89.1	78.0	65.9	54.5	76.1
Daily mean minimum	37.9	41.4	44.4	47.0	52.4	59.5	64.8	63.3	57.6	50.1	42.5	37.9	49.9
Highest on record	73	83	87	101	110	112	115	113	111	100	85	76	115
Lowest on record	17	24	28	34	38	42	50	51	42	36	27	23	17
Precipitation:													
Total, inches	1.73	1.43	1.58	0.95	0.44	0.08	0.01	0.01	0.21	0.57	0.93	1.45	9.39
Days with 0.01 inch or more	8	7	8	3	2	1	0	0	1	3	4	7	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	44	60	64	82	87	94	96	97	90	87	70	47	76
Number of clear days	9	12	14	19	21	25	29	29	25	23	17	10	233
Hourly wind velocity, miles	4.5	4.8	5.7	6.8	7.8	8.3	7.4	6.7	5.9	4.7	4.1	4.1	5.9

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
CALIFORNIA, LOS ANGELES													
Temperature:													
Monthly mean	54.6	55.5	57.5	59.4	62.2	66.4	70.2	71.1	69.0	65.3	60.9	56.6	62.4
Daily mean maximum	64.3	65.1	67.3	69.1	71.8	76.7	81.4	82.3	80.1	76.7	72.0	66.8	72.8
Daily mean minimum	44.9	46.0	47.8	49.7	52.6	56.1	59.1	60.0	57.9	54.0	49.8	46.3	52.0
Highest on record	90	92	99	100	103	105	109	106	103	102	96	89	109
Lowest on record	28	28	31	36	40	46	49	49	44	40	34	30	28
Precipitation:													
Total, inches	3.10	3.07	2.78	1.04	0.45	0.08	0.01	0.02	0.17	0.68	1.20	2.63	15.23
Days with 0.01 inch or more	7	6	7	4	3	1	0	0	1	3	3	6	41
Total snowfall, inches	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	67	68	67	68	62	71	77	79	76	76	78	73	72
Number of clear days	14	12	12	11	10	11	14	16	16	17	17	16	166
Hourly wind velocity, miles	5.1	5.3	5.3	5.2	5.2	5.0	4.7	4.6	4.5	4.5	4.6	5.0	4.9
CALIFORNIA, SAN DIEGO													
Temperature:													
Monthly mean	54.3	55.1	56.7	58.5	60.8	63.9	67.2	68.7	67.1	63.7	59.7	56.0	61.0
Daily mean maximum	62.2	62.5	63.9	64.8	66.2	69.0	72.3	73.9	72.9	70.6	67.7	64.4	67.5
Daily mean minimum	46.5	47.7	49.6	52.2	55.3	58.7	62.1	63.6	61.3	56.7	51.7	47.7	54.4
Highest on record	85	89	99	96	98	94	93	93	110	96	93	84	110
Lowest on record	25	34	36	39	45	50	54	54	50	44	36	32	25
Precipitation:													
Total, inches	2.06	2.03	1.72	0.77	0.35	0.05	0.03	0.04	0.08	0.54	0.76	1.87	10.30
Days with 0.01 inch or more	7	7	7	4	3	1	0	1	1	3	4	6	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	67	67	66	69	58	62	67	72	72	73	76	74	68
Number of clear days	16	14	14	15	12	14	17	19	19	18	18	18	194
Hourly wind velocity, miles	5.1	5.8	6.2	6.4	6.4	6.1	5.9	5.7	5.7	5.3	5.0	5.0	5.7
CALIFORNIA, SAN FRANCISCO													
Temperature:													
Monthly mean	49.9	52.2	54.2	55.0	56.8	58.5	58.5	59.1	60.9	60.5	56.3	51.3	56.1
Daily mean maximum	55.0	57.8	60.3	61.2	63.0	65.1	64.7	65.0	67.7	67.5	62.1	56.2	62.1
Daily mean minimum	44.9	46.6	48.1	48.8	50.5	51.9	52.3	53.3	54.2	53.5	50.5	46.3	50.1
Highest on record	78	80	86	89	97	100	98	92	101	96	83	72	101
Lowest on record	29	33	33	40	42	46	47	46	47	45	38	34	29
Precipitation:													
Total, inches	4.54	3.85	3.14	1.61	0.80	0.18	0.02	0.01	0.45	1.12	2.35	3.95	22.02
Days with 0.01 inch or more	12	13	10	6	4	2	0	0	2	4	6	11	70
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)
Percentage of possible sunshine	52	54	59	70	70	75	69	63	70	69	60	54	64
Number of clear days	11	11	12	15	15	19	15	14	16	17	13	10	168
Hourly wind velocity, miles	7.4	7.5	8.8	10.1	11.2	12.6	13.1	12.1	10.1	7.8	6.7	6.8	9.5
COLORADO, DENVER													
Temperature:													
Monthly mean	29.8	32.7	39.3	47.1	56.2	66.3	72.2	70.7	62.9	51.2	39.8	32.3	50.0
Daily mean maximum	42.2	44.9	51.6	59.1	68.5	79.7	85.7	84.0	76.9	64.8	52.3	44.7	62.9
Daily mean minimum	17.3	20.5	27.1	35.0	43.9	52.9	58.7	57.4	48.9	37.4	27.2	19.8	37.2
Highest on record	76	77	82	86	92	99	102	105	97	90	79	74	105
Lowest on record	−29	−22	−11	4	19	32	42	40	21	−2	−18	−25	−29
Precipitation:													
Total, inches	0.40	0.53	1.04	2.06	2.21	1.38	1.68	1.43	0.99	1.05	0.55	0.73	14.05
Days with 0.01 inch or more	4	6	7	9	10	7	9	9	6	5	4	5	81
Total snowfall, inches	4.8	7.6	9.2	9.9	2.4	(1)	0	0	0.6	4.2	5.7	9.2	53.6
Percentage of possible sunshine	67	67	64	62	60	69	67	67	71	71	68	64	66
Number of clear days	15	12	11	9	9	12	11	11	15	16	15	15	151
Hourly wind velocity, miles	7.6	7.6	8.2	8.4	7.7	7.3	6.9	6.6	6.7	7.0	7.2	7.3	7.4
CONNECTICUT, HARTFORD													
Temperature:													
Monthly mean	25.5	27.2	35.0	46.7	57.5	67.1	71.6	68.9	61.7	51.2	39.5	29.8	48.5
Daily mean maximum	35.3	33.9	44.9	56.6	68.2	76.7	82.3	79.7	73.0	63.5	49.2	37.7	58.4
Daily mean minimum	20.0	17.4	27.9	38.1	48.7	56.7	63.2	60.8	53.8	44.3	33.8	23.9	40.7
Highest on record	67	61	82	90	94	98	101	100	95	91	74	67	101
Lowest on record	−12	−14	4	11	32	40	48	43	32	25	6	−18	−18
Precipitation:													
Total, inches	3.94	3.83	3.90	3.36	3.60	3.08	4.37	4.29	3.49	3.52	3.55	3.97	44.90
Days with 0.01 inch or more	12	10	12	12	12	10	11	10	9	8	10	10	126
Total snowfall, inches	8.7	13.4	6.7	1.8	0	0	0	0	0	0	1.4	8.4	40.4
Percentage of possible sunshine	45	54	55	52	53	56	56	54	54	51	46	44	52
Number of clear days	8	9	10	8	9	8	7	8	10	11	7	8	103
Hourly wind velocity, miles	8.0	8.1	8.6	8.6	7.9	7.1	6.9	6.3	6.2	6.9	7.8	7.4	7.5

1 Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
DELAWARE, WILMINGTON													
Temperature:													
Monthly mean	32.8	31.9	42.3	52.9	63.8	71.6	76.8	74.6	68.1	57.4	45.4	34.8	54.4
Daily mean maximum	40.0	39.5	51.2	63.1	74.2	81.8	86.1	83.6	77.2	66.3	53.3	41.7	63.2
Daily mean minimum	25.3	24.3	33.0	42.8	53.4	61.3	67.5	65.6	58.9	48.4	37.5	27.8	45.5
Highest on record	70	69	80	97	98	102	106	107	98	90	77	70	107
Lowest on record	−10	−12	6	11	31	42	49	47	33	25	11	−7	−12
Precipitation:													
Total, inches	3.35	3.32	3.54	3.38	3.65	3.91	5.03	4.84	3.46	3.18	2.88	3.84	44.38
Days with 0.01 inch or more	9	8	9	9	9	9	9	9	6	6	7	8	98
Total snowfall, inches	6.4	6.2	4.1	1.1	0	0	0	0	0	(1)	0.4	4.7	22.9
D. C., WASHINGTON													
Temperature:													
Monthly mean	33.4	35.3	42.6	53.3	63.7	72.2	76.8	75.0	68.1	57.4	45.2	36.6	55.0
Daily mean maximum	41.1	43.5	51.7	63.2	73.2	81.3	86.3	84.1	77.5	67.2	54.0	44.2	64.0
Daily mean minimum	25.7	27.2	33.6	43.6	54.1	62.7	67.3	66.0	58.7	47.5	36.5	29.0	46.0
Highest on record	76	78	93	95	97	102	104	106	104	93	80	74	106
Lowest on record	−14	−15	4	15	33	43	52	49	36	26	12	−13	−15
Precipitation:													
Total, inches	3.55	3.27	3.75	3.27	3.70	4.13	4.71	4.01	3.24	2.84	2.37	3.32	42.16
Days with 0.01 inch or more	12	10	12	11	12	11	11	11	8	9	9	10	126
Total snowfall, inches	6.7	6.8	4.7	0.6	0	0	0	0	0	(1)	1.1	3.8	23.7
Percentage of possible sunshine	46	54	54	58	61	62	64	61	63	61	56	51	58
Number of clear days	9	9	9	11	11	11	11	11	13	14	11	11	131
Hourly wind velocity, miles	7.0	8.0	8.0	8.0	7.0	6.0	5.0	5.0	5.0	6.0	7.0	7.0	7.0
FLORIDA, JACKSONVILLE													
Temperature:													
Monthly mean	55.4	58.0	62.6	68.7	75.0	79.9	82.1	81.7	78.3	71.1	62.2	56.3	69.3
Daily mean maximum	64.1	66.9	71.5	77.6	83.5	87.9	90.2	89.6	85.5	78.6	70.7	65.0	77.6
Daily mean minimum	46.7	49.1	53.6	59.7	66.4	71.8	74.0	73.7	71.1	63.6	53.7	47.5	60.9
Highest on record	83	86	91	92	98	101	104	101	99	95	86	83	104
Lowest on record	15	10	26	34	46	54	66	64	49	37	26	14	10
Precipitation:													
Total, inches	2.80	2.97	2.91	2.38	4.02	5.33	6.71	5.81	7.35	4.46	1.98	3.02	49.74
Days with 0.01 inch or more	9	9	8	7	9	12	15	15	13	10	8	8	123
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	56	57	67	73	71	65	63	63	60	56	62	52	62
Number of clear days	10	10	13	13	13	8	8	9	10	12	12	11	129
Hourly wind velocity, miles	8.3	8.8	9.1	9.0	8.4	8.0	7.9	7.4	7.8	8.6	8.1	8.0	8.3
FLORIDA, MIAMI													
Temperature:													
Monthly mean	66.5	67.1	70.2	72.8	76.4	80.0	81.0	81.4	80.1	77.0	71.8	68.0	74.4
Daily mean maximum	74.4	74.3	76.7	79.7	82.5	85.2	86.8	87.1	85.9	82.8	77.3	75.5	80.7
Daily mean minimum	62.1	60.0	63.8	67.4	70.9	74.4	75.8	76.4	75.2	72.7	66.0	62.9	69.0
Highest on record	85	88	92	93	94	94	96	96	95	93	88	91	96
Lowest on record	29	27	34	45	50	61	67	67	62	52	36	32	27
Precipitation:													
Total, inches	2.52	1.83	2.17	3.09	6.22	6.86	5.42	6.17	8.34	8.44	2.91	1.69	55.66
Days with 0.01 inch or more	9	6	7	7	11	12	16	14	17	16	11	7	133
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	64	69	72	72	66	61	66	70	64	60	60	62	66
Number of clear days	11	11	12	10	7	6	5	6	6	6	9	10	99
Hourly wind velocity, miles	9.3	9.4	9.7	9.9	9.1	7.6	7.2	7.8	8.0	9.0	10.7	8.5	8.8
FLORIDA, TAMPA													
Temperature:													
Monthly mean	60.4	61.9	66.8	70.9	76.3	80.2	81.2	81.5	79.9	74.3	66.9	61.1	71.8
Daily mean maximum	69.3	70.8	76.1	80.3	85.4	88.6	89.1	89.4	88.0	82.5	75.8	70.0	80.4
Daily mean minimum	51.5	53.1	57.6	61.6	67.2	71.8	73.3	73.6	71.9	66.1	57.9	52.1	63.1
Highest on record	83	86	92	91	94	98	96	97	96	93	88	84	98
Lowest on record	23	22	32	38	52	59	65	66	54	43	32	19	19
Precipitation:													
Total, inches	2.69	2.56	2.43	2.01	2.99	7.25	7.95	8.18	6.42	3.09	1.72	2.07	49.36
Days with 0.01 inch or more	7	7	6	5	7	14	18	18	15	8	5	7	117
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	61	65	72	75	73	67	63	64	66	65	65	59	66
Number of clear days	11	11	14	14	12	8	6	5	8	12	13	12	126
Hourly wind velocity, miles	6.9	7.4	7.4	7.4	6.9	6.2	5.7	5.5	6.2	7.2	6.8	6.6	6.7

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	Annual
GEORGIA, ATLANTA													
Temperature:													
Monthly, mean	42.6	45.3	52.0	61.0	69.9	76.0	78.1	77.0	72.4	63.0	52.1	44.7	61.2
Daily mean maximum	50.2	53.5	60.9	70.4	79.4	85.2	86.7	85.1	80.6	71.9	60.8	52.5	69.8
Daily mean minimum	35.0	37.1	43.0	51.7	60.4	66.8	69.5	69.0	64.1	54.1	43.3	36.8	52.6
Highest on record	76	78	87	93	97	100	101	100	102	94	82	73	102
Lowest on record	−2	−8	8	25	38	39	58	55	43	28	14	1	−8
Precipitation:													
Total, inches	4.95	4.79	5.30	3.61	3.47	3.74	4.65	4.45	2.99	2.59	3.03	4.70	48.27
Days with 0.01 inch or more	11	11	11	10	9	11	13	13	8	7	8	11	123
Total snowfall, inches	0.9	1.1	0.1	(1)	0	0	0	0	0	(1)	(1)	0.6	2.7
Percentage of possible sunshine	47	53	56	64	68	69	60	58	66	65	63	47	60
Number of clear days	9	9	12	12	12	10	8	9	13	16	13	11	134
Hourly wind velocity, miles	12.0	12.2	12.0	11.0	9.4	8.3	7.9	7.7	8.6	9.9	11.0	11.6	10.1
IDAHO, BOISE													
Temperature:													
Monthly mean	29.3	34.8	42.7	50.4	57.1	65.3	72.9	71.8	61.9	51.1	41.0	32.1	50.9
Daily mean maximum	37.7	43.3	52.7	62.4	70.0	79.5	88.9	87.7	76.4	63.7	50.7	39.9	62.7
Daily mean minimum	21.9	26.3	32.6	38.4	44.3	51.1	56.9	55.9	47.4	38.5	31.3	24.3	39.1
Highest on record	62	69	83	92	100	107	113	121	103	95	85	67	121
Lowest on record	−28	−12	5	17	25	30	40	32	23	16	−10	−18	−28
Precipitation:													
Total, inches	1.73	1.44	1.35	1.18	1.43	0.92	0.24	0.19	0.53	1.24	1.28	1.57	13.10
Days with 0.01 inch or more	13	11	11	8	7	6	2	2	4	6	9	11	90
Total snowfall, inches	7.7	5.8	3.3	0.9	(1)	0	0	0	0	0.1	1.5	5.3	24.6
Percentage of possible sunshine	38	48	57	66	71	79	87	86	79	69	50	40	64
Number of clear days	5	6	7	9	11	14	21	21	17	14	8	6	139
Hourly wind velocity, miles	4.9	5.2	6.1	6.3	6.1	5.3	4.9	4.5	4.5	4.3	4.6	4.4	5.1
ILLINOIS, CHICAGO													
Temperature:													
Monthly, mean	25.1	27.4	36.3	47.7	58.5	68.2	73.9	72.8	66.3	55.1	41.2	30.0	50.2
Daily mean maximum	31.5	34.1	43.0	54.9	66.2	75.6	80.5	79.0	72.9	62.0	47.5	36.0	56.9
Daily mean minimum	18.7	20.8	29.5	40.6	50.8	60.7	67.2	66.6	59.7	48.3	35.0	24.0	43.5
Highest on record	65	68	81	88	94	99	103	102	98	87	75	68	103
Lowest on record	−20	−21	−12	17	27	40	50	47	32	14	−2	−23	−23
Precipitation:													
Total, inches	1.90	2.14	2.58	2.78	3.54	3.30	3.33	3.21	3.14	2.53	2.37	2.04	32.36
Days with 0.01 inch or more	11	10	12	11	12	11	9	9	9	9	10	12	125
Total snowfall, inches	9.9	9.4	4.9	0.9	(1)	0	0	0	0	0.1	1.7	6.8	33.7
Percentage of possible sunshine	45	51	54	59	64	71	73	70	65	60	47	41	58
Number of clear days	8	8	8	9	11	10	13	13	12	12	8	7	119
Hourly wind velocity, miles	16.0	16.0	17.0	17.0	15.0	13.0	12.0	12.0	14.0	15.0	16.0	16.0	15.0
INDIANA, INDIANAPOLIS													
Temperature:													
Monthly mean	28.4	31.1	40.0	52.1	62.9	71.6	75.7	73.7	66.9	55.7	42.3	32.2	52.7
Daily mean maximum	35.7	39.0	48.4	61.2	72.4	81.1	85.4	83.3	76.6	64.9	50.0	39.0	61.4
Daily mean minimum	21.0	23.2	31.7	42.9	53.5	62.0	66.1	64.1	57.3	46.5	34.6	25.4	44.1
Highest on record	70	72	84	90	96	100	106	103	98	89	76	68	106
Lowest on record	−25	−18	0	19	31	39	48	44	30	22	−5	−15	−25
Precipitation:													
Total, inches	2.95	2.73	3.93	3.62	3.89	3.62	3.34	3.31	3.40	2.78	3.35	2.98	39.90
Days with 0.01 inch or more	13	11	13	12	13	11	10	9	9	9	10	12	132
Total snowfall, inches	6.8	5.3	3.8	0.9	0.1	0	0	0	0	(1)	1.2	5.1	23.2
Percentage of possible sunshine	42	47	48	53	60	66	70	66	67	61	52	40	56
Number of clear days	6	7	6	7	9	8	10	11	12	12	8	6	102
Hourly wind velocity, miles	12.0	12.1	12.5	12.1	10.5	9.1	8.4	7.9	8.8	9.8	11.3	11.6	10.5
IOWA, DES MOINES													
Temperature:													
Monthly mean	20.1	23.7	35.9	50.1	61.3	70.6	75.4	73.1	65.6	53.4	38.4	26.0	49.5
Daily mean maximum	29.0	32.8	45.2	60.2	71.4	80.4	85.7	83.6	76.0	63.7	47.3	34.1	59.1
Daily mean minimum	11.3	14.6	26.6	40.1	51.3	60.8	65.1	62.7	55.1	43.1	29.5	17.8	39.8
Highest on record	65	75	88	92	98	102	109	110	99	91	79	69	110
Lowest on record	−30	−26	−10	11	26	37	43	40	26	7	−10	−21	−30
Precipitation:													
Total, inches	1.07	1.12	1.78	2.91	4.56	4.76	3.50	3.52	3.67	2.50	1.43	1.22	32.04
Days with 0.01 inch or more	8	8	9	11	12	11	9	9	9	8	7	8	109
Total snowfall, inches	8.8	7.2	5.4	1.3	0.5	0	0	0	0	0.2	2.2	7.9	33.5
Percentage of possible sunshine	53	56	56	58	61	66	73	71	63	63	54	50	60
Number of clear days	10	9	9	9	8	8	13	13	12	13	11	9	124
Hourly wind velocity, miles	7.9	8.4	9.0	9.5	8.4	7.1	6.3	6.0	6.9	7.4	7.7	7.6	7.7

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
KANSAS, DODGE CITY													
Temperature:													
Monthly mean	29.0	33.2	42.8	53.6	63.5	72.5	78.4	77.7	69.4	56.1	42.6	32.6	54.3
Daily mean maximum	40.7	45.7	56.0	66.8	75.8	84.4	91.1	91.0	82.6	69.3	55.6	44.6	67.9
Daily mean minimum	17.3	20.7	29.6	40.5	51.2	60.7	65.8	64.4	56.3	43.0	29.5	20.5	41.6
Highest on record	79	84	98	95	101	107	108	105	102	94	86	79	108
Lowest on record	−20	−26	−10	13	19	36	46	43	30	10	−13	−15	−26
Precipitation:													
Total, inches	0.41	0.77	0.89	1.94	2.89	3.30	3.14	2.67	1.90	1.30	0.73	0.57	20.51
Days with 0.01 inch or more	4	5	5	7	10	9	9	7	5	5	4	4	74
Total snowfall, inches	3.7	5.7	3.8	1.0	(1)	0	0	0	0	0.3	1.2	3.3	19.0
Percentage of possible sunshine	65	66	66	66	65	71	74	77	73	75	71	67	70
Number of clear days	14	13	13	13	11	14	15	16	16	18	16	15	174
Hourly wind velocity, miles	10.1	10.8	12.6	13.6	12.9	12.2	10.9	10.4	11.2	11.1	10.1	10.2	11.3
KENTUCKY, LOUISVILLE													
Temperature:													
Monthly mean	34.4	37.2	45.4	56.4	66.6	74.7	78.6	77.0	70.5	59.3	46.7	37.6	57.0
Daily mean maximum	42.0	45.4	54.2	65.9	76.4	84.3	88.2	86.7	80.4	69.2	55.1	44.8	66.0
Daily mean minimum	26.8	28.9	36.6	46.8	56.9	65.1	68.9	67.4	60.5	49.4	38.3	30.4	48.0
Highest on record	74	78	88	91	98	101	107	105	102	91	79	74	107
Lowest on record	−20	−14	3	21	33	43	54	47	36	23	1	−7	−20
Precipitation:													
Total, inches	4.00	3.55	4.39	3.88	3.72	3.82	3.70	3.42	2.78	2.65	3.61	3.74	43.26
Days with 0.01 inch or more	12	11	12	12	11	11	10	9	8	8	9	11	124
Total, snowfall, inches	4.8	4.3	2.3	0.3	(1)	0	0	0	0	(1)	0.3	3.2	15.2
Percentage of possible sunshine	42	49	52	56	62	68	70	69	68	66	54	40	58
Number of clear days	7	7	8	9	10	9	12	12	13	14	10	7	118
Hourly wind velocity, miles	9.5	10.3	10.5	9.6	7.9	7.4	6.7	6.4	6.8	7.5	8.8	9.2	8.4
LOUISIANA, NEW ORLEANS													
Temperature:													
Monthly mean	54.2	57.3	62.8	68.8	75.4	80.6	82.4	82.2	79.2	71.0	61.6	55.6	69.3
Daily mean maximum	61.8	65.1	70.6	76.5	83.0	87.8	89.3	89.0	86.0	78.1	69.1	63.2	76.6
Daily mean minimum	46.6	49.5	55.0	61.1	67.8	73.4	75.4	75.4	72.5	64.0	54.0	48.1	61.9
Highest on record	82	83	86	90	96	102	102	100	99	94	89	83	102
Lowest on record	15	7	30	38	52	58	66	63	54	40	29	19	7
Precipitation:													
Total, inches	4.34	4.25	4.72	5.24	4.60	5.88	6.37	5.80	5.03	3.30	3.14	4.79	57.46
Days with 0.01 inch or more	10	9	9	7	9	13	15	14	10	7	7	10	120
Total snowfall, inches	0.1	0.2	(1)	0	0	0	0	0	0	0	0	(1)	0.3
Percentage of possible sunshine	48	50	57	60	66	60	54	54	61	64	56	46	56
Number of clear days	10	9	11	11	12	9	7	8	11	16	13	10	127
Hourly wind velocity, miles	8.6	9.1	9.1	8.8	7.4	6.5	6.0	5.9	7.2	7.6	8.1	8.5	7.7
MAINE, PORTLAND													
Temperature:													
Monthly mean	22.4	23.8	31.8	43.0	53.3	62.5	68.1	66.4	59.6	49.9	38.0	27.6	45.5
Daily mean maximum	30.1	31.6	39.2	50.4	61.2	70.8	76.1	74.0	67.3	57.3	44.6	34.4	53.1
Daily mean minimum	14.7	16.0	24.4	35.7	45.4	54.2	60.1	58.8	51.9	42.6	31.4	20.8	38.0
Highest on record	65	58	79	89	94	96	103	95	94	85	72	65	103
Lowest on record	−18	−17	−7	9	27	38	48	45	32	22	−6	−21	−21
Precipitation:													
Total, inches	3.97	4.00	3.86	3.38	3.40	3.28	3.24	3.14	3.10	3.14	3.46	3.97	41.94
Days with 0.01 inch or more	12	11	13	11	12	11	12	11	10	10	11	11	135
Total snowfall, inches	18.2	20.9	13.1	4.8	(1)	0	0	0	(1)	(1)	5.1	12.4	74.5
Percentage of possible sunshine	54	60	59	56	58	61	64	63	62	56	47	50	58
Number of clear days	10	10	10	9	9	9	10	11	12	11	9	10	120
Hourly wind velocity, miles	8.8	9.1	9.6	9.2	8.6	7.6	7.5	6.9	7.5	8.2	8.8	8.7	8.4
MARYLAND, BALTIMORE													
Temperature:													
Monthly mean	33.8	35.4	42.3	53.6	64.4	72.7	77.2	75.5	68.5	58.2	46.3	37.2	55.4
Daily mean maximum	40.6	42.5	50.2	62.4	73.3	81.3	85.6	83.5	76.7	66.5	53.6	43.7	63.3
Daily mean minimum	27.0	28.3	34.5	44.8	55.5	64.0	68.8	67.5	60.2	49.8	39.0	30.6	47.5
Highest on record	74	78	88	94	98	101	104	105	101	92	79	73	105
Lowest on record	−6	−7	5	15	34	46	55	51	39	30	15	−3	−7
Precipitation:													
Total, inches	3.50	3.39	3.71	3.34	3.54	3.88	4.64	4.37	3.37	2.89	2.56	3.37	42.56
Days with 0.01 inch or more	12	11	12	11	11	11	12	11	8	9	9	11	128
Total snowfall, inches	6.6	6.6	4.9	0.7	(1)	0	0	0	0	(1)	0.7	4.3	23.8
Percentage of possible sunshine	47	57	58	59	59	62	64	62	65	62	54	48	58
Number of clear days	9	9	9	9	10	9	10	10	12	13	10	10	120
Hourly wind velocity, miles	6.5	7.1	7.5	7.4	6.6	6.2	5.9	5.5	5.6	6.0	6.2	6.3	6.4

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MASSACHUSETTS, BOSTON													
Temperature:													
Monthly mean	27.9	28.8	35.6	46.4	57.1	66.5	71.7	69.9	63.2	53.6	42.0	32.5	49.6
Daily mean maximum	35.9	36.7	43.3	54.5	65.7	75.7	80.0	77.8	71.2	61.5	49.3	39.9	57.6
Daily mean minimum	20.0	20.8	27.9	38.3	48.5	57.8	63.4	62.0	55.3	45.7	34.7	25.1	41.6
Highest on record	70	64	83	89	97	100	104	98	102	90	76	69	104
Lowest on record	−13	−11	−8	11	31	42	46	47	34	25	−2	−14	−14
Precipitation:													
Total, inches	3.61	3.37	3.57	3.34	3.18	2.89	3.49	3.62	3.14	3.15	3.33	3.45	40.14
Days with 0.01 inch or more	12	10	12	11	11	10	10	10	9	9	10	11	125
Total snowfall, inches	11.2	12.5	7.9	2.5	(1)	0	0	0	0	(1)	1.7	8.4	44.2
Percentage of possible sunshine	49	58	57	55	59	63	64	63	62	56	48	48	57
Number of clear days	9	10	10	9	9	9	9	11	11	11	10	9	117
Hourly wind velocity, miles	11.6	12.3	12.4	11.2	10.1	9.3	8.9	8.4	9.2	10.2	11.2	11.4	10.5
MICHIGAN, DETROIT													
Temperature:													
Monthly mean	24.4	25.3	33.4	46.2	58.0	67.4	72.1	70.3	63.5	52.5	39.3	29.3	48.5
Daily mean maximum	30.7	32.1	40.8	54.8	67.1	76.4	81.1	79.1	71.9	60.2	45.5	34.9	56.2
Daily mean minimum	18.2	18.5	25.9	37.5	48.9	58.4	63.1	61.6	55.1	44.8	33.0	23.6	40.7
Highest on record	66	64	81	88	95	96	101	104	97	88	71	65	104
Lowest on record	−16	−20	−7	8	28	38	48	45	30	22	0	−24	−24
Precipitation:													
Total, inches	2.07	2.18	2.40	2.46	3.21	3.56	3.32	2.78	2.90	2.38	2.44	2.35	32.05
Days with 0.01 inch or more	13	12	13	11	13	11	10	9	9	10	12	14	137
Total snowfall, inches	10.8	10.0	7.8	1.9	0.1	0	0	0	0	(1)	2.5	9.3	42.4
Percentage of possible sunshine	36	41	48	50	57	64	68	65	63	54	37	30	51
Number of clear days	5	6	7	8	9	10	12	12	12	10	6	4	101
Hourly wind velocity, miles	12.5	12.6	12.4	12.0	10.7	9.5	9.2	8.8	9.7	10.8	12.3	12.7	11.1
MINNESOTA, ST. PAUL													
Temperature:													
Monthly mean	12.6	15.8	29.1	45.6	57.9	67.1	72.1	69.4	61.3	48.6	32.5	19.0	44.2
Daily mean maximum	21.4	24.8	37.8	55.1	67.7	76.6	81.8	79.4	70.9	57.5	40.1	26.6	53.3
Daily mean minimum	3.8	6.9	20.4	36.1	48.1	57.7	62.4	59.5	51.6	39.7	25.0	11.5	35.2
Highest on record	51	61	83	87	97	98	104	100	99	88	74	58	104
Lowest on record	−41	−33	−22	6	23	36	45	40	28	8	−24	−39	−41
Precipitation:													
Total, inches	0.92	0.92	1.43	2.35	3.27	4.14	3.57	3.01	3.07	2.20	1.30	1.06	27.24
Days with 0.01 inch or more	9	8	9	10	12	12	10	10	10	9	8	9	116
Total snowfall, inches	9.0	7.1	8.2	3.5	0.2	0	.0	0	(1)	0.5	4.9	6.6	40.0
Percentage of possible sunshine	49	56	55	58	57	62	70	66	60	53	44	41	56
Number of clear days	9	9	9	9	9	9	12	12	12	11	7	8	116
Hourly wind velocity, miles	12.0	12.0	13.0	13.0	12.0	10.0	10.0	9.0	10.0	12.0	12.0	12.0	11.0
MISSISSIPPI, VICKSBURG													
Temperature:													
Monthly mean	48.2	51.8	58.5	65.6	72.9	79.0	81.3	80.8	76.3	66.7	56.6	50.0	65.6
Daily mean maximum	56.4	60.6	67.7	74.8	82.2	88.0	90.2	89.6	85.6	76.5	66.0	58.5	74.7
Daily mean minimum	39.9	43.0	49.3	56.3	63.6	69.9	72.5	71.9	66.9	56.9	47.1	41.6	56.6
Highest on record	82	84	88	92	97	101	100	101	104	94	86	82	104
Lowest on record	3	−1	24	31	43	52	59	54	42	31	22	10	−1
Precipitation:													
Total, inches	5.37	4.82	5.57	5.19	4.32	3.99	4.53	3.46	2.87	2.77	3.71	5.33	51.93
Days with 0.01 inch or more	11	10	10	9	8	10	11	10	7	6	8	10	110
Total snowfall, inches	0.9	0.5	(1)	0	0	0	0	0	0	0	(1)	0.1	1.5
Percentage of possible sunshine	46	52	59	66	72	72	69	69	74	71	63	46	63
Number of clear days	8	9	11	11	16	11	10	11	15	17	13	10	142
Hourly wind velocity, miles	7.6	8.0	8.1	7.5	6.1	5.3	5.2	4.9	5.3	5.7	6.6	7.3	6.5
MISSOURI, ST. LOUIS													
Temperature:													
Monthly mean	30.8	34.5	43.8	55.8	66.9	74.8	78.6	77.3	70.1	58.3	45.1	34.7	55.9
Daily mean maximum	38.7	43.0	52.9	65.1	75.9	83.6	87.4	86.4	79.5	67.5	53.5	42.5	64.7
Daily mean minimum	23.4	26.6	35.3	47.0	58.2	66.4	70.2	68.6	61.5	50.1	37.3	27.3	47.7
Highest on record	74	84	90	91	94	102	107	106	103	91	82	75	107
Lowest on record	−22	−18	3	22	32	44	55	52	37	21	5	−15	−22
Precipitation:													
Total, inches	2.34	2.56	3.38	3.81	4.34	3.82	2.98	2.99	3.46	2.72	2.83	2.21	37.44
Days with 0.01 inch or more	9	9	13	10	12	11	9	8	8	8	8	9	114
Total snowfall, inches	5.2	6.0	4.0	0.7	(1)	0	0	0	(1)	0.2	0.5	3.5	20.1
Percentage of possible sunshine	49	51	55	58	64	69	71	68	68	65	56	46	60
Number of clear days	11	9	10	10	11	10	13	14	15	15	11	9	138
Hourly wind velocity, miles	12.0	12.1	12.8	12.3	10.9	9.5	8.6	8.3	9.2	10.4	11.6	11.7	10.8

1 Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MONTANA, HELENA													
Temperature:													
Monthly mean	20.2	23.0	32.4	43.5	51.6	59.2	65.7	65.0	56.6	44.9	33.2	24.2	43.3
Daily mean maximum	28.3	31.6	41.5	53.6	62.2	70.0	77.3	77.4	68.3	54.8	41.3	31.8	53.2
Daily mean minimum	12.1	14.4	23.2	33.4	41.0	48.4	54.1	52.7	44.8	34.9	25.0	16.7	33.4
Highest on record	63	65	73	86	95	102	103	98	92	84	71	64	103
Lowest on record	−42	−41	−20	3	22	31	36	29	6	−1	−22	−40	−42
Precipitation:													
Total, inches	0.87	0.65	0.79	1.12	2.29	2.34	1.14	0.77	1.25	0.89	0.74	0.78	13.63
Days with 0.01 inch or more	9	8	8	9	12	12	8	6	7	6	6	8	99
Total snowfall, inches	10.9	8.7	9.2	5.9	2.2	(1)	0	(1)	0.6	4.2	6.8	8.5	57.0
Percentage of possible sunshine	46	54	59	59	55	63	75	73	61	58	48	43	58
Number of clear days	7	7	8	7	7	9	15	16	12	10	8	7	113
Hourly wind velocity, miles	6.5	6.7	7.6	8.1	8.0	7.7	7.3	6.9	7.1	7.0	6.6	6.4	7.2
NEBRASKA, OMAHA													
Temperature:													
Monthly mean	21.9	25.5	37.0	51.2	62.4	71.6	76.7	74.4	66.8	54.3	38.5	26.4	50.6
Daily mean maximum	30.4	34.5	46.5	61.1	72.0	81.1	86.3	83.3	76.7	64.2	46.7	34.0	59.8
Daily mean minimum	13.3	16.5	27.6	41.2	52.8	62.2	67.1	64.9	56.8	44.4	30.3	18.8	41.3
Highest on record	67	78	91	94	99	105	107	110	102	92	80	71	110
Lowest on record	−32	−26	−8	6	25	42	50	44	30	8	−14	−20	−32
Precipitation:													
Total, inches	0.70	0.89	1.37	2.51	3.77	4.56	3.54	3.05	3.21	2.17	1.07	0.93	27.77
Days with 0.01 inch or more	6	7	7	10	12	11	9	9	8	7	5	7	98
Total snowfall, inches	6.3	5.2	0.7	(1)	0	0	0	0	0	0.4	2.0	5.3	19.9
Percentage of possible sunshine	55	57	57	56	62	68	75	69	65	63	55	52	61
Number of clear days	11	9	9	9	8	10	13	13	14	14	11	10	131
Hourly wind velocity, miles	9.1	9.6	10.0	10.3	9.1	7.5	6.4	6.7	7.5	8.4	10.8	8.7	8.7
NEVADA, RENO													
Temperature:													
Monthly mean	32.5	35.6	41.0	47.3	53.6	61.0	67.5	67.0	59.7	49.7	41.0	33.7	49.1
Daily mean maximum	42.3	47.3	53.0	61.1	67.5	77.7	87.2	86.0	77.0	65.6	54.7	44.1	63.6
Daily mean minimum	20.6	24.2	28.5	33.6	39.9	46.4	52.4	51.2	44.1	35.3	27.8	22.3	35.5
Highest on record	67	76	79	88	98	100	102	102	96	87	80	69	102
Lowest on record	−19	−12	−3	14	16	28	35	35	24	16	5	−7	−19
Precipitation:													
Total, inches	1.54	1.18	0.81	0.47	0.63	0.29	0.25	0.22	0.26	0.36	0.64	0.98	7.63
Days with 0.01 inch or more	7	6	6	3	5	2	2	2	3	3	4	7	50
Total snowfall, inches	10.6	7.1	6.3	0.9	0.8	0	0	0	(1)	0.3	1.3	5.8	33.1
Percentage of possible sunshine	56	62	70	76	77	84	90	90	85	78	67	56	74
Number of clear days	12	11	12	15	15	21	24	24	21	20	14	11	200
Hourly wind velocity, miles	5.4	6.1	7.1	8.1	7.8	7.4	6.8	6.3	6.0	5.3	5.3	4.9	6.4
NEW HAMPSHIRE, CONCORD[2]													
Temperature:													
Monthly mean	21.6	22.8	30.8	43.4	54.3	62.9	68.5	66.8	59.3	49.7	37.7	26.8	45.4
Daily mean, maximum	30.7	32.1	40.1	54.1	66.2	74.7	79.9	78.0	70.4	60.0	46.1	34.8	55.6
Daily mean, minimum	12.4	13.6	21.5	32.6	42.5	51.2	57.0	55.6	48.2	39.3	29.3	18.9	35.2
Highest on record	72	68	82	92	98	100	102	99	96	92	80	65	102
Lowest on record	−35	−34	−16	7	22	32	38	35	25	17	−17	−24	−35
Precipitation:													
Total, inches	3.00	2.89	3.03	2.78	3.01	3.19	3.56	3.54	3.45	2.85	3.08	3.13	37.51
Days with 0.01 inch or more	11	9	10	11	11	10	10	11	9	10	10	9	121
Total snowfall, inches	13.5	17.0	8.2	4.7	0.2	0	0	0	(1)	0.1	5.5	11.6	60.8
Number of clear days	11	12	14	11	13	13	11	13	13	12	10	11	144
Hourly wind velocity, miles	5.6	6.2	6.3	6.4	5.7	4.9	4.5	4.2	4.2	5.0	5.6	5.5	5.3
NEW JERSEY, ATLANTIC CITY													
Temperature:													
Monthly mean	32.5	33.6	38.6	47.8	58.1	66.6	72.1	72.5	66.8	56.9	45.6	36.4	52.3
Daily mean maximum	39.4	40.6	45.2	54.4	64.8	72.7	78.0	78.4	72.9	63.7	52.7	43.1	58.8
Daily mean minimum	25.7	26.5	32.0	41.3	51.5	60.4	66.3	66.6	60.7	50.2	38.5	29.6	45.8
Highest on record	68	71	79	85	95	97	100	104	94	90	77	68	104
Lowest on record	−4	−7	8	15	33	45	52	48	37	29	10	−7	−7
Precipitation:													
Total, inches	3.49	3.36	3.60	2.99	3.05	3.04	3.93	4.49	2.65	3.20	2.82	3.94	40.56
Days with 0.01 inch or more	12	11	13	11	11	10	10	10	8	9	9	10	124
Total snowfall, inches	4.8	5.2	2.9	0.3	0	0	0	0	0	0	0.7	3.0	16.9
Percentage of possible sunshine	50	58	58	58	62	64	67	67	68	64	59	52	61
Number of clear days	9	9	9	9	10	10	10	11	12	13	11	10	123
Hourly wind velocity, miles	10.6	11.1	11.1	10.7	9.6	8.8	8.3	8.3	8.9	9.9	9.9	10.2	9.8

[1] Trace.

[2] Data for percentage of possible sunshine not available.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
NEW MEXICO, SANTA FE													
Temperature:													
Monthly mean	28.8	33.1	39.7	46.7	55.7	64.8	69.0	67.4	60.9	50.4	38.9	30.7	48.8
Daily mean maximum	38.9	43.5	51.1	58.8	68.2	77.5	80.9	78.7	72.7	62.2	49.8	41.0	60.3
Daily mean minimum	18.7	22.6	28.3	34.6	43.2	52.2	57.2	56.0	49.1	38.7	28.1	20.5	37.4
Highest on record	76	75	82	84	89	92	96	97	90	85	77	65	97
Lowest on record	−13	−11	−2	11	20	33	43	40	21	13	−11	−13	−13
Precipitation:													
Total, inches	0.67	0.75	0.80	1.00	1.26	1.08	2.38	2.28	1.45	1.18	0.68	0.74	14.27
Days with 0.01 inch or more	6	7	6	6	7	6	14	13	8	5	5	6	89
Total snowfall, inches	5.4	6.6	4.6	3.3	0.3	(1)	0	0	(1)	0.8	3.4	6.0	30.4
Percentage of possible sunshine	72	72	72	74	75	79	67	70	77	79	77	74	74
Number of clear days	18	13	14	14	14	16	9	10	16	20	19	18	181
Hourly wind velocity, miles	7.4	7.5	8.4	8.7	8.5	7.4	6.6	6.1	6.3	6.7	6.9	7.0	7.3
NEW YORK, BUFFALO													
Temperature:													
Monthly mean	24.6	24.3	31.1	42.8	54.6	64.4	69.8	68.6	62.4	51.9	39.4	29.8	47.0
Daily mean maximum	31.0	31.2	38.1	50.4	62.2	71.4	76.5	75.7	69.7	58.7	45.2	35.5	53.8
Daily mean minimum	18.1	17.4	24.0	35.2	46.9	57.4	63.1	61.6	55.1	45.1	33.5	24.1	40.1
Highest on record	70	67	79	84	94	94	95	95	95	92	71	66	95
Lowest on record	−14	−13	−4	5	25	39	46	44	35	24	2	−9	−14
Precipitation:													
Total, inches	3.30	2.95	2.57	2.56	3.10	2.82	3.03	3.08	2.92	3.29	3.02	3.36	36.00
Days with 0.01 inch or more	19	17	17	13	14	11	11	10	11	13	15	16	167
Total snowfall, inches	20.1	17.8	10.0	3.5	0.2	0	0	0	0	0.4	5.8	16.6	74.4
Percentage of possible sunshine	28	40	49	52	57	64	66	63	60	47	30	23	48
Number of clear days	2	3	5	7	8	8	9	9	9	6	3	1	70
Hourly wind velocity, miles	16.1	15.5	14.4	12.6	11.1	10.5	10.3	9.9	11.1	12.9	15.6	16.5	13.0
NEW YORK, NEW YORK													
Temperature:													
Monthly mean	30.9	31.3	37.7	49.4	60.6	68.8	73.8	73.1	66.8	56.3	44.2	35.0	52.3
Daily mean maximum	37.4	38.4	45.4	57.2	68.5	77.0	81.7	80.1	73.7	63.7	51.0	41.2	59.6
Daily mean minimum	24.5	24.2	30.2	41.6	52.6	60.5	65.9	66.2	59.8	49.0	37.3	28.8	45.0
Highest on record	67	69	80	91	95	97	99	102	100	88	74	68	102
Lowest on record	−6	−7	3	12	34	45	50	51	39	29	7	−13	−13
Precipitation:													
Total, inches	3.66	3.82	3.64	3.23	3.24	3.33	4.24	4.33	3.39	3.53	2.96	3.62	42.99
Days with 0.01 inch or more	12	10	12	11	11	10	12	10	9	9	9	10	125
Total snowfall, inches	8.1	10.1	7.7	1.3	(1)	0	0	0	0	(1)	1.0	6.7	34.9
Percentage of possible sunshine	50	60	58	59	60	63	63	62	63	60	55	51	59
Number of clear days	8	8	9	9	9	8	8	9	11	11	9	8	107
Hourly wind velocity, miles	20.0	20.0	21.0	18.0	16.0	14.0	14.0	13.0	14.0	16.0	19.0	19.0	17.0
NORTH CAROLINA, ASHEVILLE													
Temperature:													
Monthly mean	35.4	38.5	44.9	53.9	62.6	68.7	71.7	70.5	65.0	55.3	45.1	37.8	54.1
Daily mean maximum	47.8	48.1	57.8	65.0	73.2	79.5	81.7	80.8	76.7	67.3	56.7	48.0	65.2
Daily mean minimum	29.1	28.9	37.3	43.4	51.8	59.0	62.3	61.8	56.1	44.6	35.4	29.9	45.0
Highest on record	75	77	86	89	91	92	96	96	95	85	76	78	96
Lowest on record	−5	−6	8	20	31	40	48	47	35	20	4	−4	−6
Precipitation:													
Total, inches	3.10	3.15	3.97	3.02	3.43	3.93	4.30	4.16	3.04	2.75	2.23	3.20	40.28
Days with 0.01 inch or more	10	10	12	11	12	14	15	15	9	7	7	10	132
Total snowfall, inches	4.0	2.9	1.3	0.2	0	0	0	0	0	0.1	0.6	1.9	11.0
Percentage of possible sunshine	49	52	55	60	62	59	58	56	62	64	64	48	57
Number of clear days	10	10	11	11	10	7	7	7	10	15	15	11	124
Hourly wind velocity, miles	9.6	10.2	10.1	9.6	7.3	5.8	5.3	5.3	5.8	7.0	8.4	9.2	7.8
NORTH DAKOTA, BISMARCK													
Temperature:													
Monthly mean	7.8	10.3	24.2	42.1	54.5	63.7	69.8	67.3	58.1	44.9	28.5	14.7	40.5
Daily mean maximum	18.1	20.7	34.6	53.7	66.2	75.2	82.1	80.3	71.1	57.1	39.1	24.5	51.9
Daily mean minimum	−2.6	0.0	13.7	30.6	42.7	52.2	57.5	54.3	45.2	32.7	17.9	4.8	29.1
Highest on record	60	64	81	90	97	107	108	105	102	91	73	64	108
Lowest on record	−45	−43	−36	−3	15	31	32	32	10	−10	−28	−42	−45
Precipitation:													
Total, inches	0.45	0.44	0.89	1.52	2.32	3.35	2.24	1.82	1.23	0.94	0.57	0.57	16.34
Days with 0.01 inch or more	7	7	8	8	11	12	10	8	6	6	6	7	93
Total snowfall, inches	5.8	5.1	8.3	2.6	0.8	0	0	0	0.1	1.0	5.2	6.3	35.2
Percentage of possible sunshine	53	58	56	58	58	62	71	69	62	60	52	49	59
Number of clear days	12	11	12	12	12	12	17	18	15	14	11	11	157
Hourly wind velocity, miles	8.9	9.3	10.4	11.8	11.1	10.2	8.9	8.8	9.6	9.8	9.3	8.6	9.7

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
OHIO, COLUMBUS													
Temperature:													
Monthly mean	28.6	30.7	39.1	51.2	62.3	70.9	74.9	73.0	66.5	55.2	41.9	32.4	52.2
Daily mean maximum	35.9	38.4	47.6	60.7	72.2	80.9	84.9	83.0	76.7	64.8	49.7	39.2	61.2
Daily mean minimum	21.4	23.0	30.7	41.6	52.3	60.9	64.9	63.0	56.3	45.6	34.2	25.7	43.3
Highest on record	72	72	84	90	96	99	104	103	98	90	77	67	104
Lowest on record	−20	−20	0	15	31	39	50	42	32	20	−5	−12	−20
Precipitation:													
Total, inches	3.06	2.67	3.50	2.87	3.59	3.31	3.55	3.26	2.57	2.46	2.77	2.73	36.34
Days with 0.01 inch or more	14	12	14	13	12	12	11	10	9	9	11	14	141
Total snowfall, inches	8.4	6.0	3.6	1.3	(1)	0	0	0	0	(1)	1.6	4.5	25.4
Percentage of possible sunshine	39	44	48	57	62	67	70	68	65	59	45	34	55
Number of clear days	6	6	7	9	10	10	12	12	13	12	8	5	110
Hourly wind velocity, miles	12.7	13.2	13.1	12.7	10.8	9.6	8.8	8.6	9.1	10.5	11.9	12.4	11.1
OKLAHOMA, OKLAHOMA CITY													
Temperature:													
Monthly mean	36.4	39.6	50.0	59.8	67.7	76.0	80.6	79.7	72.3	61.5	48.8	39.3	59.4
Daily mean maximum	46.4	50.5	61.5	70.8	77.6	85.9	90.9	90.4	83.8	72.6	59.4	48.9	68.9
Daily mean minimum	26.4	28.8	38.4	48.9	57.7	66.1	70.3	69.0	61.8	50.4	38.1	29.6	48.8
Highest on record	83	90	97	96	98	106	106	108	102	97	86	79	108
Lowest on record	−11	−17	4	22	33	46	55	49	35	16	9	−2	−17
Precipitation:													
Total, inches	1.19	1.11	1.98	3.29	4.88	3.67	2.86	2.89	3.05	2.86	1.87	1.50	31.15
Days with 0.01 inch or more	6	5	7	8	11	8	7	7	6	6	5	6	82
Total snowfall, inches	2.8	2.2	0.8	(1)	0	0	0	0	0	(1)	0.3	2.0	8.1
Percentage of possible sunshine	55	60	60	62	63	71	76	77	73	67	64	59	66
Number of clear days	13	12	13	12	11	14	16	17	17	18	16	14	173
Hourly wind velocity, miles	12.6	13.6	14.9	14.8	13.1	11.5	10.2	9.7	10.9	11.6	12.3	12.3	12.8
OREGON, PORTLAND													
Temperature:													
Monthly mean	39.4	42.1	46.9	51.8	56.9	62.4	66.7	66.7	61.7	54.2	46.8	41.2	53.1
Daily mean maximum	44.5	48.1	54.3	60.7	66.3	72.2	77.4	77.6	71.4	62.0	52.7	46.0	61.1
Daily mean minimum	34.3	36.1	39.5	43.0	47.4	52.6	55.9	55.8	52.0	46.4	41.0	36.4	45.0
Highest on record	62	68	82	90	99	101	104	98	95	86	73	65	104
Lowest on record	−2	7	20	28	32	39	43	43	35	30	11	3	−2
Precipitation:													
Total, inches	6.60	5.36	3.91	2.87	2.19	1.52	0.61	0.64	1.98	3.12	6.10	6.72	41.62
Days with 0.01 inch or more	20	17	17	15	13	10	4	4	8	12	17	19	156
Total snowfall, inches	5.8	3.9	0.8	(1)	0	0	0	0	0	0	0.6	4.1	15.2
Percentage of possible sunshine	25	32	39	47	50	56	70	66	52	43	26	23	44
Number of clear days	4	4	6	6	8	9	16	16	11	8	4	3	95
Hourly wind velocity, miles	6.5	6.7	6.5	6.2	6.1	5.9	5.9	5.5	5.4	5.2	6.2	6.5	6.0
PENNSYLVANIA, PITTSBURGH													
Temperature:													
Monthly mean	30.7	32.3	39.6	51.2	62.4	70.7	74.6	72.9	66.4	55.7	43.2	34.2	52.8
Daily mean maximum	38.3	40.4	48.3	60.9	72.4	80.5	84.2	82.6	76.2	64.9	50.7	41.0	61.7
Daily mean minimum	23.0	24.2	31.1	41.6	52.2	61.0	65.0	63.2	56.5	46.4	35.7	27.3	43.9
Highest on record	75	77	84	90	95	98	103	103	102	91	79	73	103
Lowest on record	−12	−20	1	11	27	39	49	45	35	20	1	−9	−20
Precipitation:													
Total, inches	3.05	2.62	3.03	2.92	3.21	3.81	4.05	3.23	2.58	2.52	2.29	2.86	36.17
Days with 0.01 inch or more	16	14	15	13	13	12	12	10	9	10	12	15	151
Total snowfall, inches	9.2	7.3	5.8	2.2	(1)	0	0	0	(1)	0.1	2.0	7.1	33.7
Percentage of possible sunshine	31	36	45	47	56	61	63	61	63	56	40	29	49
Number of clear days	4	5	6	8	9	8	9	10	11	10	6	4	90
Hourly wind velocity, miles	12.2	12.6	12.7	12.0	10.2	9.4	8.7	8.5	8.7	9.9	11.9	12.0	10.7
RHODE ISLAND, PROVIDENCE													
Temperature:													
Monthly mean	27.2	29.0	35.7	46.6	58.5	68.3	73.4	71.0	63.2	52.2	40.4	31.6	49.8
Daily mean maximum	36.9	35.1	44.6	55.2	66.2	75.0	80.9	78.4	71.8	62.6	49.6	39.1	58.0
Daily mean minimum	21.2	18.6	28.0	37.5	47.6	55.9	63.0	60.9	53.9	44.9	34.3	24.8	40.9
Highest on record	64	62	84	88	92	96	100	97	92	87	75	68	100
Lowest on record	−9	−10	4	11	32	42	50	46	33	27	12	−12	−12
Precipitation:													
Total, inches	3.70	3.64	3.49	3.21	2.96	2.68	3.27	3.50	3.18	3.12	3.06	3.38	39.19
Days with 0.01 inch or more	13	11	12	12	12	10	10	9	9	9	10	10	127
Total snowfall, inches	8.3	10.3	6.0	2.0	(1)	0	0	0	0	0	0.7	5.6	32.9
Percentage of possible sunshine	47	56	59	56	59	62	62	61	60	59	52	49	57
Number of clear days	10	10	12	9	10	9	10	10	12	13	10	10	125
Hourly wind velocity, miles	14.2	15.0	15.3	13.7	12.6	11.2	10.1	9.9	10.6	11.6	13.3	13.9	12.6

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
SOUTH CAROLINA, CHARLESTON													
Temperature:													
Monthly mean	49.9	52.4	57.4	64.5	72.7	78.9	81.4	81.0	76.6	67.8	58.1	51.7	66.0
Daily mean maximum	57.3	59.9	65.2	71.9	79.6	85.5	87.8	87.1	82.9	74.7	65.7	59.3	73.1
Daily mean minimum	42.6	44.8	49.6	57.2	65.9	72.2	75.0	74.9	70.4	61.0	50.6	44.0	59.0
Highest on record	80	82	94	93	98	101	104	102	100	95	83	79	104
Lowest on record	10	7	24	32	45	49	63	62	49	37	23	12	7
Precipitation:													
Total, inches	3.02	2.98	3.02	2.53	3.00	4.59	6.89	6.53	4.53	3.27	2.14	2.72	45.22
Days with 0.01 inch or more	10	10	9	8	9	11	13	13	10	7	7	9	116
Total snowfall, inches	0.1	0.3	0	0	0	0	0	0	0	0	0	0.1	0.5
Percentage of possible sunshine	58	58	65	71	71	69	63	63	68	66	69	55	65
Number of clear days	10	10	12	13	12	8	8	8	11	14	13	12	131
Hourly wind velocity, miles	10.7	11.4	10.9	11.6	10.9	10.4	9.9	11.2	10.6	11.1	10.0	10.3	10.7
SOUTH DAKOTA, HURON													
Temperature:													
Monthly mean	11.3	14.3	28.9	45.1	56.4	66.2	71.8	69.4	61.3	47.7	31.5	18.7	43.6
Daily mean maximum	22.2	24.9	39.6	57.0	68.5	78.0	84.1	82.3	74.7	60.7	42.6	28.9	55.3
Daily mean minimum	0.5	3.7	18.1	33.2	44.2	54.3	59.5	56.6	47.9	34.7	20.4	8.4	31.8
Highest on record	64	68	85	94	97	103	108	108	106	94	77	65	108
Lowest on record	−43	−37	−25	5	20	31	41	33	18	−6	−28	−34	−43
Precipitation:													
Total, inches	0.56	0.54	0.91	2.24	2.98	3.79	3.16	2.46	1.57	1.28	0.59	0.57	20.65
Days with 0.01 inch or more	7	7	8	9	11	11	10	9	7	6	5	7	97
Total snowfall, inches	5.8	5.1	5.6	1.2	0.2	0	0	0	(1)	0.5	3.3	5.1	26.8
Percentage of possible sunshine	57	65	61	62	64	68	74	71	64	61	55	50	63
Number of clear days	11	10	9	10	10	11	14	14	13	13	11	11	137
Hourly wind velocity, miles	11.2	11.4	12.2	13.5	12.3	11.1	10.0	9.9	11.3	11.3	10.9	10.4	11.3
TENNESSEE, NASHVILLE													
Temperature:													
Monthly mean	38.6	41.6	49.2	59.0	68.2	75.6	79.1	77.8	71.8	61.0	49.0	41.0	59.3
Daily mean maximum	46.8	50.5	58.6	68.9	78.3	85.3	88.6	87.4	82.0	71.6	58.5	49.1	68.8
Daily mean minimum	30.4	32.6	39.9	49.0	58.1	66.0	69.7	68.2	61.7	50.4	39.5	33.0	49.9
Highest on record	78	79	89	90	96	100	102	104	104	92	81	75	104
Lowest on record	−10	−13	3	25	36	42	54	51	38	26	8	−2	−13
Precipitation:													
Total, inches	4.76	4.13	5.11	4.13	3.87	4.09	3.88	3.71	3.42	2.49	3.50	4.20	47.20
Days with 0.01 inch or more	12	11	12	11	10	11	11	9	8	7	9	11	122
Total snowfall, inches	2.9	2.9	1.5	0.1	(1)	0	0	0	0	(1)	0.2	1.4	9.0
Percentage of possible sunshine	43	47	53	61	67	69	70	69	70	65	57	42	59
Number of clear days	7	7	9	9	10	9	10	12	13	15	11	8	120
Hourly wind velocity, miles	10.0	11.0	12.0	11.0	9.0	8.0	7.0	7.0	7.0	8.0	9.0	10.0	9.0
TEXAS, FORT WORTH													
Temperature.													
Monthly mean	45.4	48.3	57.7	65.0	72.3	79.9	83.6	83.0	76.9	66.7	55.5	47.5	65.2
Daily mean maximum	55.5	59.2	68.6	75.3	82.1	90.0	93.8	93.0	87.1	77.4	65.6	57.3	75.4
Daily mean minimum	35.2	37.5	46.8	54.7	62.7	69.8	73.5	72.9	66.7	56.0	45.4	37.7	51.9
Highest on record	93	96	100	100	107	107	109	112	104	99	87	83	112
Lowest on record	1	−8	15	30	34	48	56	55	40	24	20	7	−8
Precipitation:													
Total, inches	2.05	1.76	2.32	4.02	4.65	3.35	2.61	2.62	2.49	2.81	2.58	1.87	33.13
Days with 0.01 inch or more	6	6	7	8	9	6	6	5	5	6	6	6	76
Total snowfall, inches	1.0	0.5	0.2	0	0	0	0	0	0	0	0.1	0.5	2.3
Percentage of possible sunshine	55	63	67	69	72	73	86	79	82	68	69	61	70
Number of clear days	11	11	15	11	11	13	14	15	16	16	14	14	161
Hourly wind velocity, miles	11.1	11.7	12.6	12.4	11.4	10.7	10.3	9.1	9.2	9.7	10.1	10.4	10.7
TEXAS, GALVESTON													
Temperature:													
Monthly mean	53.8	56.3	62.4	68.7	74.8	80.7	83.4	83.0	80.1	72.7	63.3	56.4	69.6
Daily mean maximum	59.2	61.6	67.4	73.3	79.2	85.2	88.0	87.7	84.8	77.7	68.6	61.8	74.5
Daily mean minimum	48.3	51.0	57.4	64.1	70.4	76.3	78.8	78.3	75.4	67.7	58.0	51.0	64.7
Highest on record	76	78	85	85	93	99	99	100	96	91	85	80	100
Lowest on record	11	8	30	41	52	57	66	67	54	41	26	18	8
Precipitation:													
Total, inches	3.41	2.83	2.68	3.06	3.42	4.37	3.71	4.28	5.57	4.36	3.33	3.75	44.77
Days with 0.01 inch or more	10	9	8	7	5	7	9	9	9	7	8	10	99
Total snowfall, inches	0.1	0.3	0	0	0	0	0	0	0	0	0	(1)	0.4
Percentage of possible sunshine	52	53	57	62	70	78	74	70	69	77	66	53	65
Number of clear days	10	9	10	10	12	15	14	15	15	18	13	10	151
Hourly wind velocity, miles	11.6	11.9	11.7	12.1	11.3	10.1	8.9	8.5	9.8	10.2	10.9	11.4	10.7

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
TEXAS, SAN ANTONIO													
Temperature:													
Monthly mean	52.3	55.4	62.8	69.1	75.1	81.0	83.8	83.5	79.0	70.5	60.3	53.7	68.9
Daily mean maximum	62.5	66.0	73.7	79.6	85.1	91.3	94.3	94.1	89.3	81.4	70.4	63.5	79.3
Daily mean minimum	42.1	44.9	51.9	58.6	65.2	70.8	73.3	72.3	68.7	59.6	50.2	44.0	58.5
Highest on record	87	91	97	100	103	105	106	108	103	99	89	86	108
Lowest on record	6	4	21	35	44	48	60	57	46	32	22	15	4
Precipitation:													
Total, inches	1.46	1.65	1.84	3.19	3.20	2.46	2.17	2.42	3.05	2.23	1.90	1.61	27.18
Days with 0.01 inch or more	8	7	7	7	8	7	6	6	7	5	7	7	82
Total snowfall, inches	(1)	0.1	0.1	0	0	0	0	0	0	0	(1)	0.2	0.4
Percentage of possible sunshine	51	53	57	57	62	71	73	75	71	67	52	52	62
Number of clear days	11	10	11	9	9	13	14	14	13	16	12	13	145
Hourly wind velocity, miles	7.8	8.4	9.0	8.8	8.2	7.6	7.2	6.3	6.7	6.2	7.3	7.3	7.6
UTAH, SALT LAKE CITY													
Temperature:													
Monthly mean	29.2	33.8	41.7	49.6	57.4	67.4	75.7	74.5	64.4	52.5	41.1	31.9	51.6
Daily mean maximum	36.4	41.5	50.5	59.5	68.2	79.2	88.0	86.5	76.0	62.9	49.6	39.1	61.4
Daily mean minimum	22.0	26.1	32.9	39.7	46.7	55.5	63.3	62.5	52.9	42.0	32.6	24.6	41.7
Highest on record	60	68	77	85	93	101	103	101	97	88	74	62	103
Lowest on record	−20	−13	0	18	25	32	43	44	29	22	−2	−10	−20
Precipitation:													
Total, inches	1.31	1.51	1.98	2.05	1.92	0.80	0.51	0.85	0.98	1.44	1.35	1.43	16.13
Days with 0.01 inch or more	10	10	10	9	8	5	4	5	5	7	7	10	90
Total snowfall, inches	11.2	10.7	10.0	3.3	0.4	0.1	0	0	(1)	1.1	5.6	10.7	53.1
Percentage of possible sunshine	45	48	54	62	66	77	78	76	76	68	58	44	63
Number of clear days	8	7	10	10	12	17	18	17	18	16	12	8	153
Hourly wind velocity, miles	6.5	6.6	7.7	8.3	8.5	8.3	7.6	7.3	7.6	6.8	6.0	5.7	7.2
VERMONT, NORTHFIELD													
Temperature:													
Monthly mean	15.2	16.4	26.4	40.3	52.8	61.3	65.9	63.4	56.1	45.5	32.8	20.4	41.4
Daily mean maximum	26.0	27.2	36.3	50.7	64.5	73.1	77.6	75.0	67.7	55.9	41.2	29.6	52.1
Daily mean minimum	4.4	5.5	16.5	30.0	41.1	49.4	54.2	51.7	44.5	35.0	24.5	11.2	30.7
Highest on record	61	59	75	85	93	96	98	95	92	85	72	65	98
Lowest on record	−35	−35	−22	−1	18	28	34	31	20	9	−14	−41	−41
Precipitation:													
Total, inches	2.35	2.25	2.56	2.28	2.75	3.19	3.58	3.53	3.07	2.86	2.93	2.49	33.84
Days with 0.01 inch or more	14	11	13	12	13	13	14	13	12	13	13	13	154
Total snowfall, inches	18.8	20.1	16.6	6.3	(1)	0	0	0	(1)	(1)	10.0	15.5	87.3
Percentage of possible sunshine	35	48	51	49	51	55	57	55	51	41	30	32	46
Number of clear days	5	6	7	7	7	6	5	7	8	6	4	4	72
Hourly wind velocity, miles	8.7	9.0	9.5	9.2	8.6	7.4	6.8	6.5	7.1	7.9	8.4	7.9	8.1
VIRGINIA, LYNCHBURG													
Temperature:													
Monthly mean	37.5	40.3	47.3	57.3	67.3	74.6	77.5	75.6	69.0	58.5	47.2	39.5	57.6
Daily mean maximum	46.4	49.6	57.3	68.5	78.4	84.9	87.4	85.1	79.0	69.4	57.2	48.3	67.6
Daily mean minimum	28.6	31.1	37.2	46.1	56.2	64.3	67.6	66.1	58.9	47.6	37.2	30.7	47.6
Highest on record	77	80	92	95	97	101	103	105	99	94	81	79	105
Lowest on record	−7	−3	11	20	34	43	50	47	35	27	13	−5	−7
Precipitation:													
Total, inches	3.43	3.15	3.54	2.95	3.63	3.79	4.21	3.78	3.31	3.15	2.33	3.26	40.53
Days with 0.01 inch or more	11	10	11	10	11	12	11	11	8	7	7	9	118
Total snowfall, inches	5.4	4.2	2.9	(1)	0	0	0	0	0	(1)	(1)	3.0	15.5
Percentage of possible sunshine	45	53	59	62	67	65	70	66	66	64	57	45	60
Number of clear days	10	10	11	11	11	9	10	10	13	16	13	11	135
Hourly wind velocity, miles	5.4	5.9	6.3	6.0	4.8	4.1	3.9	3.6	3.7	4.3	4.9	4.9	4.8
WASHINGTON, SEATTLE													
Temperature:													
Monthly mean	39.5	41.1	44.9	49.4	54.5	59.0	63.1	63.1	58.1	51.4	45.6	41.7	51.0
Daily mean maximum	43.9	46.3	51.3	57.0	62.2	67.0	72.2	72.0	65.4	57.2	50.3	45.9	57.6
Daily mean minimum	35.2	35.9	38.6	41.9	46.7	51.0	54.1	54.3	50.7	45.6	40.9	37.6	44.4
Highest on record	63	67	81	85	92	98	95	92	87	81	68	62	98
Lowest on record	3	4	20	30	36	40	46	46	36	29	15	12	3
Precipitation:													
Total, inches	4.94	3.89	3.05	2.38	1.87	1.33	0.63	0.70	1.77	2.84	5.03	5.60	34.03
Days with 0.01 inch or more	19	16	16	14	13	10	5	4	9	12	18	19	155
Total snowfall, inches	5.9	4.7	1.3	0.2	0	0	0	0	0	(1)	1.2	1.9	15.2
Percentage of possible sunshine	25	35	44	51	51	54	63	59	48	33	21	21	42
Number of clear days	3	4	5	6	6	8	13	13	8	5	2	3	76
Hourly wind velocity, miles	8.6	7.9	8.6	7.8	7.5	7.1	6.3	5.7	6.6	6.7	8.1	8.4	7.4

[1] Trace.

No. 156.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
WEST VIRGINIA, PARKERSBURG													
Temperature:													
Monthly mean	32.5	34.2	42.8	53.4	63.8	71.4	75.4	73.9	67.3	56.1	43.8	35.2	54.2
Daily mean maximum	40.3	42.7	52.1	63.7	74.3	81.7	85.5	84.0	77.8	66.7	52.4	42.8	63.7
Daily mean minimum	24.8	25.8	33.5	43.1	53.2	61.2	65.2	63.7	56.8	45.5	35.2	27.7	44.6
Highest on record	74	76	86	93	96	99	102	106	99	91	81	72	106
Lowest on record	−12	−27	4	15	31	41	48	45	33	20	15	−10	−27
Precipitation:													
Total, inches	3.58	3.13	3.49	3.19	3.38	4.00	4.29	3.51	2.76	2.48	2.57	3.03	39.41
Days with 0.01 inch or more	15	13	15	13	12	13	12	10	9	9	10	13	144
Total, snowfall, inches	7.4	7.2	4.6	1.1	(1)	0	0	0	0	(1)	1.3	4.6	26.2
Percentage of possible sunshine	30	37	42	48	55	58	62	57	59	52	37	27	47
Number of clear days	7	7	9	10	11	11	14	13	13	13	8	7	123
Hourly wind velocity, miles	6.6	7.3	7.2	6.7	5.2	4.5	4.4	4.2	4.2	4.9	5.9	6.1	5.6
WISCONSIN, GREEN BAY													
Temperature:													
Monthly mean	15.7	17.4	28.6	43.2	54.9	64.9	70.0	67.7	60.4	48.5	34.0	22.3	44.0
Daily mean maximum	23.5	25.8	36.7	52.1	64.6	74.8	80.2	77.5	69.7	56.9	40.7	29.0	52.6
Daily mean minimum	7.8	9.1	20.4	34.3	45.3	55.1	59.7	57.9	51.0	40.1	27.2	15.5	35.3
Highest on record	51	59	82	85	91	100	101	98	95	84	71	52	101
Lowest on record	−36	−33	−23	11	22	34	43	38	25	8	−12	−21	−36
Precipitation:													
Total, inches	1.54	1.56	2.04	2.65	3.52	3.70	3.46	3.18	3.52	2.54	2.16	1.71	31.58
Days with 0.01 inch or more	10	9	10	11	13	11	11	10	10	9	10	10	124
Total snowfall, inches	12.0	9.0	7.7	2.8	0.2	0	0	0	0	1.0	5.6	9.9	48.2
Percentage of possible sunshine	46	47	53	52	60	62	66	61	56	48	37	37	52
Number of clear days	7	7	7	7	7	6	8	8	8	7	5	6	83
Hourly wind velocity, miles	10.1	10.5	10.8	14.0	10.5	8.4	8.1	8.0	8.9	9.7	10.5	10.2	10.0
WYOMING, LANDER													
Temperature:													
Monthly mean	18.3	22.5	32.4	42.4	51.2	60.5	67.4	65.5	55.7	43.5	30.3	20.4	42.5
Daily mean maximum	31.8	36.3	45.7	55.6	64.9	76.1	84.1	82.5	72.1	58.6	44.2	33.9	57.2
Daily mean minimum	4.7	8.7	19.2	29.3	37.6	44.8	50.6	48.4	39.3	28.5	16.5	7.0	27.9
Highest on record	64	64	71	82	88	96	100	96	90	83	72	62	100
Lowest on record	−36	−35	−24	−3	13	26	32	23	7	−14	−31	−40	−40
Precipitation:													
Total, inches	0.56	0.63	1.19	2.06	2.26	1.15	0.69	0.53	0.92	1.36	0.60	0.68	12.63
Days with 0.01 inch or more	4	5	7	8	9	6	6	5	5	5	4	4	68
Total snowfall, inches	5.2	8.9	12.5	13.2	5.1	0.5	0	0	2.1	8.8	6.7	8.4	71.4
Percentage of possible sunshine	67	73	74	67	66	75	77	78	73	68	58	61	70
Number of clear days	12	10	9	9	8	12	13	13	15	14	11	12	138
Hourly wind velocity, miles	3.9	3.7	5.0	5.3	5.4	5.0	4.5	4.3	4.5	3.9	3.8	3.4	4.4

[1] Trace.

Source: The Weather Bureau, Department of Agriculture.

8. ARMY, NAVY, CIVIL SERVICE, PENSIONS, VETERANS' BUREAU ACTIVITIES, ELECTIONS, ETC.

No. 157.—ARMY OF THE UNITED STATES: STRENGTH OF COMPONENT PARTS

NOTE.—Prior to 1914, table covers quinquennial years and years in which considerable changes occurred in the number of Regular Army. Figures for Officers' Reserve Corps include Regular Army enlisted men and also, prior to 1924, National Guard officers, holding commissions in the reserve. There is, therefore, some duplication in the grand totals, but the number of this personnel is not so great as to make a material difference in the figures

June 30—	Grand total	Regular Army[1]			National Guard[2]			Reserve forces[3]		
		Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1890	136,624	27,089	2,168	24,921	109,535	8,555	100,980			
1895	140,051	27,172	2,154	25,018	112,879	9,227	103,652			
1900	223,366	68,155	2,486	65,669	122,213	8,246	113,967	[4] 32,998	[4] 1,531	[4] 31,467
1901	200,696	81,586	2,940	78,646	115,749	8,751	106,998	[4] 3,361	[4] 350	[4] 3,011
1902	185,805	75,584	3,731	71,853	110,221	([5])	([5])			
1905	178,269	66,956	3,934	63,022	111,313	8,680	102,633			
1907	168,837	63,624	3,797	59,827	105,213	8,567	96,646			
1908	187,369	76,428	3,966	72,462	110,941	8,583	102,358			
1909	203,385	84,459	4,208	80,251	118,926	8,975	109,951			
1910	200,378	80,718	4,439	76,279	119,660	9,155	110,505			
1912	213,313	91,461	4,650	86,811	121,852	9,142	112,710			
1914	225,819	97,760	4,883	92,877	128,043	8,792	119,251	[6] 16		[6] 16
1915	235,410	105,993	4,798	101,195	129,398	8,705	120,693	[6] 19		[6] 19
1916	244,483	107,641	5,025	102,616	132,194	8,589	123,605	[6] 4,643		[6] 4,648
1917	629,863	250,357	6,332	244,025	[7] 314,581	[8] 11,000	303,581	64,925	[9] 21,543	[10] 43,382
1918	2,246,103	[11] 741,084	[11] 10,518	[11] 730,566	[7] 445,678	[8] 12,000	[8] 433,678	1,059,341	[12] 135,320	[13] 923,961
1918 (Nov. 11)	3,673,888	[14] 3,673,888	[14] 188,434	[14] 3,485,454						
1919	931,422	836,882	[15] 78,003	758,879	37,210	1,198	36,012	57,330	[9] 45,573	[6] 11,757
1920	363,540	200,367	[15] 15,519	184,848	56,090	2,073	54,017	107,083	[9] 68,232	[6] 38,851
1921	407,920	227,374	[15] 14,124	213,250	113,640	5,843	107,797	66,906	[9] 66,905	[16] 1
1922	373,597	146,069	[15] 14,075	131,994	159,658	8,744	150,914	67,870	[9] 67,390	[16] 480
1923	370,042	130,964	[15] 12,682	118,282	160,598	9,675	150,923	78,480	[9] 76,923	[16] 1,557
1924	397,794	140,644	[15] 12,501	128,143	177,428	[17] 10,996	166,432	79,722	[9] 76,322	[16] 3,400
1925	406,162	134,624	[15] 12,909	121,715	177,525	[17] 11,595	165,930	94,013	[9] 88,898	[16] 5,115
1926	410,902	133,033	[15] 13,105	119,928	174,969	[17] 11,435	163,534	102,900	[9] 97,125	[16] 5,775
1927	421,519	133,079	[15] 13,175	119,904	181,142	[17] 12,192	168,950	107,298	[9] 101,563	[16] 5,735
1928	426,075	134,331	[15] 13,174	121,157	181,221	[17] 12,428	168,793	110,523	[9] 105,059	[16] 5,464
1929	421,466	137,360	[15] 13,168	124,192	176,988	[17] 12,535	164,453	107,118	[9] 101,926	[16] 5,192

[1] Includes Philippine Scouts beginning with 1902. Figures for 1919 to 1926, inclusive, include in most cases World War emergency personnel still in service. All emergency enlisted men still in service were discharged on July 2, 1921. On Nov. 11, 1926, the last emergency officer was discharged, thereby completing the demobilization of the World War Army. Retired personnel on active duty are not included.

[2] State militia prior to act of June 3, 1916.

[3] Figures for 1900 and 1901 are "U. S. Volunteers of the Philippine Insurrection period; for other years Regular Army Reserve, Officers' Reserve Corps, Enlisted Reserve Corps, and the "National Army" of the World War period, as noted.

[4] U. S. Volunteers.

[5] Figures on officers and enlisted men not available.

[6] Regular Army Reserve. The Regular Army Reserve was abolished by act of June 4, 1920.

[7] Includes National Guard personnel in Federal service.

[8] Estimate.

[9] Officers' Reserve Corps. Beginning with 1924, figures do not include individuals who hold commissions also in the National Guard.

[10] Includes Regular Army Reserve, 8,382; Enlisted Reserve Corps, 35,000 (estimate).

[11] Subject to revision.

[12] Includes Officers' Reserve Corps, 86,262; National Army, 49,118 (estimate).

[13] Estimated enlisted strength of the National Army. Practically all members of the Regular Army Reserve and the Enlisted Reserve Corps had, by this date, been assigned to duty with Regular Army, National Guard, and National Army organizations.

[14] Estimates only. Under orders of the Secretary of War all components had been merged into one army known as "The United States Army."

[15] Beginning with 1919, figures for commissioned officers include warrant officers in the following numbers: 1919, 37; 1920, 68; 1921, 1,159; 1922, 1,151; 1923, 1,085; 1924, 1,063; 1925, 1,028; 1926, 1,325; 1927, 1,262; 1928, 1, 208; 1929, 1,133.

[16] Enlisted Reserve Corps.

[17] Beginning with 1924, figures for commissioned officers include warrant officers in the following numbers: 1924, 87; 1925, 160; 1926, 162; 1927, 182; 1928, 184; 1929, 188.

Source: Reports of the War Department.

No. 158.—NATIONAL GUARD:[1] ORGANIZED STRENGTH, JUNE 30

State or Territory	1922		1929		State or Territory	1922		1929	
	Officers	Enlisted men	Officers[2]	Enlisted men		Officers	Enlisted men	Officers[2]	Enlisted men
Total	8,744	150,914	12,535	164,453	Montana	20	419	75	1,080
					Nebraska	65	1,203	106	1,586
Alabama	152	2,455	207	2,415	Nevada	(3)	(3)	4	118
Arizona	30	526	62	991	New Hampshire	63	1,082	74	938
Arkansas	92	1,607	138	2,010	New Jersey	213	4,009	334	4,188
California	164	3,349	383	5,291	New Mexico	45	670	66	841
Colorado	91	1,305	133	1,592	New York	1,142	20,474	1,354	19,000
Connecticut	149	2,913	309	3,784	North Carolina	114	2,213	231	3,038
Delaware	50	710	57	739	North Dakota	46	1,102	70	1,080
District of Columbia	34	456	62	878	Ohio	513	8,118	588	7,451
Florida	94	1,654	169	2,200	Oklahoma	159	3,785	412	4,463
Georgia	129	2,391	238	3,183	Oregon	118	2,239	197	2,780
Hawaii	62	1,203	100	1,537	Pennsylvania	750	11,864	714	10,800
Idaho	57	896	84	1,040	Porto Rico	67	1,465	85	1,423
Illinois	355	6,606	630	8,649	Rhode Island	75	1,441	132	1,577
Indiana	290	4,632	356	4,234	South Carolina	95	1,781	126	1,873
Iowa	195	3,411	243	3,200	South Dakota	57	904	97	1,142
Kansas	172	2,536	246	2,908	Tennessee	55	776	187	2,208
Kentucky	110	2,327	196	2,518	Texas	326	5,581	567	7,032
Louisiana	79	1,440	128	1,762	Utah	46	710	111	1,217
Maine	114	2,060	158	2,049	Vermont	72	1,135	82	1,104
Maryland	163	2,415	235	2,964	Virginia	192	3,258	255	3,501
Massachusetts	483	7,850	640	8,699	Washington	148	2,364	207	2,442
Michigan	227	3,735	325	4,253	West Virginia	44	1,010	115	1,729
Minnesota	278	4,769	344	4,518	Wisconsin	430	6,470	350	4,277
Mississippi	63	1,352	125	1,528	Wyoming	29	440	42	626
Missouri	227	3,794	295	4,078					

[1] "National Guard" by act of June 3, 1916.
[2] Includes 188 warrant officers.
[3] Did not accept allotment.

Source: Reports of the War Department.

No. 159.—NAVY, MARINE CORPS, AND THE NAVAL RESERVE: ORGANIZED STRENGTH, JUNE 30

Year	Navy		Naval Reserve[1]		Marine Corps		Marine Corps Reserve	
	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men
1903	2,009	27,245	435	4,901	195	6,091		
1905	2,252	30,804	465	4,475	273	6,932		
1907	2,552	33,027	504	5,225	279	8,038		
1309	2,823	44,129	525	5,639	334	9,348		
1910	2,921	45,076	540	5,961	334	9,152		
1911	3,099	47,612	602	6,592	330	9,454		
1912	3,114	47,515	615	7,185	319	9,567		
1913	3,505	48,068	615	7,446	330	9,757		
1914	3,711	52,667	596	7,132	341	9,888		
1915	3,780	52,561	606	7,706	344	9,968		
1916	4,134	54,234	638	9,170	646	14,981		
1917	4,253	100,539	[2] 4,166	46,070	500	24,772	373	4,073
1918	7,974	208,671	[2] 15,486	217,136	1,283	45,348	210	5,188
1919	10,488	169,575	[2] 32,137	80,705	1,997	43,921	725	6,145
1920	9,171	107,601	[2] 28,482	1,349	1,106	16,061	564	4,750
1921	8,625	119,205	[2] 19,734	(3)	1,087	21,903	545	4,180
1922	7,831	88,580	[2] 5,340	[4] 13,400	1,142	20,098	446	1,110
1923	7,873	82,355	4,222	16,098	1,140	18,533	136	443
1924	8,126	87,327	3,975	21,615	1,157	19,176	137	501
1925	8,389	84,289	3,818	24,457	1,168	18,310	150	483
1926	8,574	82,161	3,736	25,654	1,178	17,956	250	2,647
1927	8,904	83,566	3,771	26,293	1,200	18,000	378	5,685
1928	8,856	84,276	4,091	27,072	1,198	17,822	413	8,366
1929	8,905	85,284	6,078	28,821	1,182	17,615	445	9,119

[1] Figures prior to 1917 relate to the Naval Militia.
[2] Enrolled.
[3] No figures available.
[4] Approximate.

Source: Reports of the Navy Department.

No. 160.—ARMY OF THE UNITED STATES: ESTIMATED STRENGTH, BY MONTHS, APRIL 1, 1917, TO NOVEMBER 1, 1918

Date	Aggregate			In the United States and foreign possessions			In the American Expeditionary Forces [1]		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1917									
Apr. 1	199,705	9,159	190,546	190,705	9,159	190,546			
July 1	393,275	31,678	361,597	381,675	31,229	350,446	11,600	449	11,151
Oct. 1	1,011,963	58,400	953,563	954,249	54,103	900,146	57,714	4,297	53,417
1918									
Jan. 1	1,412,066	82,000	1,330,066	1,243,428	72,459	1,170,969	168,638	9,541	159,097
Apr. 1	1,672,975	96,000	1,576,975	1,364,893	77,469	1,287,424	308,082	18,531	289,551
July 1	2,379,579	115,179	2,264,400	1,514,378	75,117	1,439,261	865,201	40,062	825,139
Oct. 1	3,313,145	178,000	3,135,145	1,610,185	106,974	1,503,211	1,702,960	71,026	1,631,934
Nov. 1	3,545,330	185,000	3,360,330	1,681,311	108,369	1,572,942	1,864,019	76,631	1,787,388

[1] Exclusive of Navy and Marine Corps personnel serving with the Army.

Source: Reports of the War Department.

No. 161.—ARMY OF THE UNITED STATES: COMPARATIVE STRENGTH ON APRIL 1, 1917, AND NOVEMBER 11, 1918, BY BRANCHES OF SERVICE

Branch	Apr. 1, 1917			Nov. 11, 1918		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men
Total	199,705	9,159	190,546	3,673,888	188,434	3,485,454
Infantry [1]	107,002	4,674	102,328	1,046,306	39,445	1,006,861
Corps of Engineers	2,979	277	2,702	308,318	10,761	297,557
Field Artillery [2]	9,520	404	9,116	399,827	19,131	380,696
Medical Department	8,934	1,105	7,829	304,838	40,338	264,500
Quartermaster Corps	7,557	279	7,278	255,598	10,783	247,815
Coast Artillery Corps	21,347	786	20,561	152,913	5,388	147,525
Ordnance Department	837	96	741	66,767	5,158	61,609
Signal Corps	2,946	110	2,836	52,760	2,367	50,393
Cavalry	20,897	1,035	19,862	30,901	1,717	29,184
Air Service				197,446	19,198	178,248
Motor Transport Corps				62,608	2,993	59,615
Militia Bureau				26,262	1,194	25,068
Military Police Corps				17,547	492	17,055
Chemical Warfare Service				19,465	1,902	17,563
Tank Corps				15,960	1,090	14,870
Postal Express Service				3,154	131	3,023
Philippine Scouts	5,523	169	5,354	8,498	243	8,255
In training				444,780	12,766	432,014
All others	12,163	224	11,939	256,940	13,337	243,603

[1] Including machine gun units. [2] Including ammunition trains.

Source: Reports of the War Department.

No. 162.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, JUNE 30

June 30—	Total		Fighting ships		Nonfighting ships	
	Number	Displacement	Number	Displacement	Number	Displacement
		Tons		*Tons*		*Tons*
1906	276	692,592	200	518,115	76	174,477
1910	308	1,075,407	220	828,695	88	246,712
1915	343	1,352,135	230	913,334	113	438,801
1920	795	2,111,457	618	1,369,880	177	741,577
1923	774	2,353,660	585	1,333,065	189	1,020,595
1924	753	2,258,843	565	1,253,182	188	1,005,661
1925	754	2,274,376	567	1,269,701	187	1,004,585
1926	734	2,247,955	557	1,273,550	177	974,405
1927	734	2,225,348	556	1,264,313	178	961,035
1928	735	2,310,481	561	1,331,043	174	979,438
1929	733	2,321,946	559	1,342,508	174	979,438

Source: Navy Department.

No. 163.—VESSELS IN THE NAVY: NUMBER AND DISPLACEMENTS, BY CLASSES, DECEMBER 31, 1929

NOTE.—The displacements given do not include the additional displacement added to certain vessels for providing for defense against air and submarine attack in accordance with the terms of the treaty limiting naval armament, nor the displacement of vessels authorized but for which designs are not yet approved. Standard displacements are displacements arrived at in accordance with the terms of the aforementioned treaty

Class and type	Total		Fit for service, including those under repair				Under construction		Authorized but not yet placed	
			In commission		Out of commission					
	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement
Grand total, all types	764	*Tons* 2,371,933	394	*Tons* 1,482,381	328	*Tons* 764,032	14	[1] 125,520	28	*Tons*
Battleships, first line	18	525,850	18	525,850						
Cruiser type, total	50	400,413	19	201,930	8	78,483	12	[1] 120,000	11	
Cruisers, second line	8	102,390	3	36,330	5	66,060				
Light cruisers, first line	33	[1] 200,500	11	[1] 80,500			12	[1] 120,000	10	[2]
Light cruisers, second line	5	18,823	2	6,400	3	12,423				
Aircraft carriers, first line	4	78,700	3	78,700					1	[3]
Destroyer type, total	282	318,415	103	125,121	167	193,294			12	
Destroyers, first line	272	310,429	103	125,121	157	185,308			12	[4]
Destroyers, second line	10	7,986			10	7,986				
Mine vessel type, total	61	75,920	42	49,346	19	26,574				
Mine layers, second line	4	18,396	2	9,900	2	8,496				
Light mine layers	14	16,674	6	7,146	8	9,528				
Mine sweepers	43	40,850	34	32,300	9	8,550				
Submarines, total	123	92,965	79	65,149	43	22,316	2	[1] 5,520	4	
Submarines, first line	102	69,458	75	[5] 56,112	26	13,346			1	[4]
Submarines, second line	14	5,652			14	5,652				
Fleet submarines, first line	6	9,675	3	6,357	3	3,318				
Fleet submarines—mine-laying type	1	[1] 2,680	1	[1] 2,680						
Fleet submarines—cruiser type	5	[1] 5,520					2	[1] 5,520	3	[3]
Patrol vessels, total	94	42,122	55	23,891	39	18,231				
Eagles	53	26,509	17	8,509	36	18,000				
Submarine chasers	26	2,002	23	1,771	3	231				
Gunboats	4	5,967	4	5,967						
River gunboats	8	2,850	8	2,850						
Converted yachts	3	4,803	3	4,803						
Auxiliaries, total	102	807,784	62	442,930	39	364,854			1	
Destroyer tenders	8	82,700	6	60,050	2	21,750				
Submarine tenders	8	59,520	6	49,500	2	10,020				
Aircraft tenders	1	11,500	1	11,500						
Repair ships	3	26,820	2	18,720	1	8,100				
Store ships	5	60,560	2	21,100	3	39,460				
Colliers	5	96,140	1	19,250	4	76,890				
Oilers	19	275,350	10	135,800	9	139,550				
Ammunition ships	2	21,200	1	10,600	1	10,600				
Cargo ships	6	59,680	3	26,230	3	33,450				
Transports	3	20,700	2	20,700						
Hospital ships	3	25,170	1	9,800	2	15,370			1	[4]
Ocean-going tugs	35	31,444	23	21,780	12	9,664				
Miscellaneous	4	37,000	4	37,000						
Unclassified	29	108,444	16	48,164	13	60,280				

[1] Standard displacements.
[2] Designs not approved and for 5 of these vessels no funds appropriated.
[3] Designs not approved.
[4] Designs not approved and no funds appropriated.
[5] Includes S4, which is in commission as special experimental vessel without propulsive machinery. Would require extensive work before being available for service.

Source: Navy Department.

No. 164.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION, YEARS ENDED JUNE 30

NOTE.—All figures in thousands of dollars. Data cover the expenditures and budget of the national organization only and do not include chapter budgets. The estimates for 1930 include amounts appropriated to February 28, 1930, for domestic and foreign disasters. The total expenditures for 1921 were $24,493,000; 1922, $12,476,000; 1923, $9,738,000; 1924, $16,497,000

	1924–1929, total	1925	1926	1927	1928	1929	Estimated 1930
Total	72,006	5,837	7,382	11,360	19,886	11,064	4,710
Domestic operations:							
Service to disabled veterans	7,816	1,678	1,641	1,161	862	738	756
Service to men of the Regular Army and Navy	1,851	310	309	308	307	308	308
Disaster relief	35,232	1,623	3,643	7,961	16,692	4,864	1,608
Enrolled Nurses' Reserve	272	46	47	45	46	44	43
Public health nursing	1,239	230	216	211	161	154	234
Home hygiene and care of the sick	395	53	51	48	86	88	120
Nutrition	393	74	64	54	64	71	68
First aid and life saving	1,538	233	251	239	297	301	277
Junior Red Cross	1,325	217	212	188	237	238	230
Other domestic operations	1,678	303	264	236	299	293	355
Insular and foreign operations:							
Relief in foreign disasters	16,122	286	53	257	213	3,343	103
League of Red Cross Societies	1,133	177	180	193	211	208	254
Junior Red Cross foreign projects	388	84	74	69	31	29	54
Assistance to insular chapters	839	110	50	76	64	66	----
Other insular and foreign work		80	55	48	29	40	----
Supervision of service activities and general management	1,782	333	271	265	268	278	300

No. 165.—AMERICAN NATIONAL RED CROSS: ANNUAL ROLL CALL, 1928–29

NOTE.—Total continental United States adult membership (including Alaska) and per cent of total population in previous years: 1918–19, 19,696,773 (18.62 per cent); 1919–20, 9,171,513 (8.67 per cent); 1920–21, 5,836,353 (5.52 per cent); 1921–22, 3,763,111 (3.56 per cent); 1922–23, 3,330,089 (3.15 per cent); 1923–24, 3,048,586 (2.88 per cent); 1924–25, 3,033,093 (2.87 per cent); 1925–26, 2,915,308 (2.76 per cent); 1926–27, 2,995,846 (2.5 per cent); 1927–28, 3,975,155 (3.4 per cent)

State or Territory	Adult membership	Population (thousands) [1]	Per cent of membership to population	State or Territory	Adult membership	Population (thousands) [1]	Per cent of membership to population
Grand total	4,127,946			Montana	22,782	714	3.2
				Nebraska	38,621	1,396	2.8
Continental U. S.[2]	4,019,316	118,693	3.4	Nevada	4,518	[3] 77	5.8
				New Hampshire	32,505	455	7.1
Alabama	18,101	2,549	0.7	New Jersey	189,957	3,749	5.1
Alaska	3,067	[3] 55	7.2	New Mexico	7,760	392	2.0
Arizona	11,266	459	2.5	New York	505,586	11,423	4.4
Arkansas	37,330	1,923	1.9	North Carolina	39,592	2,897	1.4
California	275,391	4,433	6.2	North Dakota	30,603	[4] 641	4.8
Colorado	33,235	1,074	3.1	Ohio	301,935	6,710	4.5
Connecticut	96,897	1,636	5.9	Oklahoma	33,911	2,384	1.4
Delaware	9,582	243	3.9	Oregon	41,199	890	4.6
Dist. of Columbia	30,067	540	5.6	Pennsylvania	462,556	9,730	4.8
Florida	35,994	1,363	2.6	Rhode Island	35,127	704	5.0
Georgia	23,676	3,171	0.7	South Carolina	12,410	1,845	0.7
Idaho	13,768	534	2.6	South Dakota	15,072	696	2.2
Illinois	150,020	7,296	2.1	Tennessee	28,649	2,485	1.2
Indiana	105,981	3,150	3.4	Texas	102,824	5,397	1.9
Iowa	88,829	2,425	3.7	Utah	9,651	522	1.8
Kansas	54,508	1,828	3.0	Vermont	25,215	[3] 352	7.1
Kentucky	50,259	2,538	2.0	Virginia	56,367	2,546	2.2
Louisiana	47,920	1,934	2.5	Washington	62,068	1,562	4.0
Maine	33,400	793	4.2	West Virginia	32,708	1,696	1.9
Maryland	53,688	1,597	3.4	Wisconsin	55,129	2,918	1.9
Massachusetts	198,006	4,242	4.7	Wyoming	9,051	241	3.8
Michigan	231,563	4,490	5.2	At large	2,295	----	----
Minnesota	96,884	2,686	3.6				
Mississippi	33,750	[3] 1,791	1.9	Insular territories and possessions	108,630	----	----
Missouri	127,143	3,510	3.6				

[1] Census estimates as of July 1, 1927.
[2] Includes Alaska.
[3] Population Jan. 1, 1920.
[4] Population State census, 1925.

Source of Tables 164 and 165: The American Red Cross.

No. 166.—WAR PENSIONERS AND DISBURSEMENTS FOR PENSIONS

NOTE.—Provision for those participating in the World War or their dependents was made by other methods (see subsequent tables) and the expenditures are not included in this table except in the case of a few individuals whose claims were based on disability or death resulting from disability of service origin prior to April 6, 1917, and after July 2, 1921, and who come under the jurisdiction of the Pension Bureau

June 30 or year ended June 30—	Number on rolls			Disbursements for pensions	Maintenance and expenses
	Invalids	Widows, etc.	Total	In thousands of dollars	
1866	55,652	71,070	126,722	15,450	407
1870	87,521	111,165	198,686	29,351	600
1875	122,989	111,832	234,821	29,270	982
1880	145,410	105,392	250,802	56,659	935
1882	182,633	103,064	285,697	54,313	1,466
1883	206,042	97,616	303,658	60,428	2,592
1884	225,470	97,286	322,756	57,912	2,835
1885	247,146	97,979	345,125	65,172	3,393
1886	270,346	95,437	365,783	64,091	3,245
1887	306,208	99,709	406,007	73,753	3,753
1888	343,701	108,856	452,557	78,951	3,515
1889	373,699	116,026	489,725	88,843	3,467
1890	415,654	122,290	537,944	106,094	3,526
1891	536,821	139,339	676,160	117,313	4,701
1892	703,242	172,826	876,068	139,394	4,899
1893	759,706	206,306	966,012	156,907	4,868
1894	754,382	215,162	969,544	139,987	3,964
1895	751,456	219,068	970,524	139,812	4,338
1896	748,514	222,164	970,678	138,221	3,991
1897	747,492	228,522	976,014	139,950	3,988
1898	758,511	235,203	993,714	144,652	4,114
1899	754,104	237,415	991,519	138,462	4,148
1900	752,510	241,019	993,529	138,355	3,842
1901	748,649	249,086	997,735	138,531	3,869
1902	739,443	260,003	999,446	137,504	3,831
1903	729,356	267,189	996,545	137,760	3,993
1904	720,921	273,841	994,762	141,094	3,849
1905	717,761	280,680	998,441	141,143	3,722
1906	701,483	284,488	985,971	139,000	3,523
1907	679,937	287,434	967,371	138,155	3,309
1908	658,071	293,616	951,687	153,093	2,801
1909	632,557	313,637	946,194	161,974	2,853
1910	602,180	318,903	921,083	159,974	2,658
1911	570,050	322,048	892,098	157,325	2,517
1912	538,000	322,294	860,294	152,986	2,449
1913	503,633	316,567	820,272	174,172	2,543
1914	470,331	314,908	785,239	172,418	2,067
1915	437,448	310,699	748,147	165,518	1,780
1916	403,120	306,452	709,572	159,155	1,657
1917	369,936	303,175	673,111	160,895	1,563
1918	340,318	306,582	646,895	179,835	1,528
1919	313,140	311,287	624,427	222,159	1,433
1920	285,219	306,971	592,190	213,295	1,395
1921	267,731	298,322	566,053	258,721	1,390
1922	256,918	290,098	547,016	253,808	1,394
1923	253,686	286,070	539,756	263,013	1,992
1924	248,116	277,423	525,539	229,995	1,498
1925	244,886	267,651	512,537	217,151	1,489
1926	246,139	255,584	501,723	207,844	1,436
1927	246,194	243,748	489,942	230,153	1,327
1928	259,030	232,164	491,194	228,966	1,215
1929	259,580	218,335	477,915	229,890	1,277

PENSIONERS AND PENSIONS OF THE SEVERAL WARS

War	Total payments (thousands of dollars), 1790 to June 30, 1929	Number on rolls June 30—			Amount paid (thousands of dollars), year ended June 30—			Value of average pension		
		1920	1928	1929	1920	1928	1929	1920	1928	1929
Total	**7,950,355**	**592,190**	**491,194**	**477,915**	**213,295**	**228,966**	**229,890**	**$340**	**$466**	**$481**
War of the Revolution	70,000									
War of 1812	46,189	71	14	11	21	9	7	233	636	655
Indian wars	39,922	6,228	8,871	9,574	1,746	3,957	4,452	203	446	465
War with Mexico	59,073	2,571	849	731	677	544	473	240	641	647
Civil War	7,244,677	533,729	272,906	241,219	202,586	149,669	143,594	359	548	595
War with Spain	386,748	30,432	191,270	207,861	4,624	70,674	76,846	142	370	370
Regular establishment	86,980	19,031	17,220	18,457	3,604	4,096	4,503	181	238	244
World War	252	128	64	62	37	16	16	228	254	259
Unclassified	16,513									

NUMBER RECEIVING SPECIFIED MONTHLY RATES OF PENSION JUNE 30, 1929

	$12	$20	$25	$30	$40	$50	$65	$72	$90	Other rates
Regular establishment:										
Soldiers	2,274	106	39	1,863	62	345	6	259	148	9,656
Widows, etc.	2,487	373	161	288	76	71				243
Civil War:										
Soldiers	3	3	1	20	3	379	24,946	28,254	6,164	211
Widows, etc.	306	1,431	529	59,591	100,273	18,760	3		2	340
War with Spain:										
Soldiers	158	42,227	39,363	41,938	30,865	22,010	1	1,753	74	829
Widows, etc.	70	1,296	47	27,149	12	19				50
Other wars: [1]										
Soldiers	42	476	165	731	888	3,262		1		10
Widows, etc.	37	34		3,956	7	707				

[1] Not including 62 pensioners of the World War receiving from $6 to $100 per month.

Source: Bureau of Pensions, Department of the Interior.

GENERAL NOTE.—The following is a summary of the various forms of veterans' relief under the administration of the United States Veterans' Bureau.

Compensation is awarded for death or disability resulting from personal injuries received or diseases contracted in the military or naval service on or after April 6, 1917, and before July 2, 1921, or for an aggravation or recurrence of a preexisting disability resulting from such service. The rates of compensation range from $8 per month for a temporary disability to $200 per month for double permanent total disability. In some instances a $50 allowance for an attendant is granted in addition to other compensation.

Yearly renewable term insurance.—During the period of the war and until July 2, 1927, yearly renewable term insurance ranging from $500 to $10,000 was issued. All term insurance not converted into permanent United States Government life insurance before July 2, 1927, lapsed. Claims upon such policies are paid in 240 monthly installments except where there is no beneficiary named or where the beneficiary named dies before receiving all of the payments, the remainder is paid in one sum.

Medical and hospital care.—In addition to compensation payments, the disabled person is furnished reasonable Government medical, surgical, and hospital service and supplies, and appliances considered reasonably necessary. Hospital facilities of this bureau are also available for veterans of the Spanish American War, the Philippine Insurrection, the Boxer Rebellion, or the World War, suffering from neuropsychiatric or tubercular ailments and diseases, paralysis agitans, encephalitis lethargica or amoebic dysentery, or the loss of sight of both eyes, whether such ailments or diseases are due to military service or otherwise. The bureau is also authorized to furnish hospitalization and necessary traveling expenses to veterans of any war since 1897, without regard to the nature or origin of their disabilities.

Vocational rehabilitation.—Under the act of July 27, 1918, honorably discharged members of the Army, Navy, or Marine Corps who were unable to carry on in a gainful occupation successfully were provided with vocational training at Government expense, including allowances for maintenance of them and their dependents. The act also provided for the placement of rehabilitated persons in suitable occupations. Veterans who suffered a compensable disability but were not vocationally handicapped were provided with instruction, including tuition and supplies, but were not given maintenance allowance. Rehabilitation activities of the bureau ceased with the close of the fiscal year 1928.

United States Government life insurance.—United States Government life insurance is issued in any multiple of $500, not less than $1,000 or more than $10,000, upon the payment of premiums at a net peace-time rate, with no extra charge for administration or excess mortality due to the hazards of war. (For rates and forms of insurance see Tables 169 and 171.) The policies carry the usual provisions common to policies issued by commercial companies, such as extended insurance, paid-up insurance, cash surrenders, and loans. Dividends are also paid from excess of interest earnings and savings in mortality.

Adjusted compensation.—The act of May 19, 1924, authorized the payment of adjusted compensation to all veterans of the World War, excluding officers above the grade of captain in the Army or Marine Corps or similar rank in the Navy and Coast Guard. The rate of adjusted compensation for service in excess of 60 days is $1.25 and $1 per day and the amount of credit is limited to $625 and $500 for overseas and home service, respectively. Veterans entitled to not more than $50 are paid in cash and others are given a 20-year endowment insurance policy for an amount that the adjusted service credit increased by 25 per cent would purchase at the age of the veteran on the birthday nearest the date of the certificate, with interest at 4 per cent compounded annually. An amendment authorized the bureau to make loans direct to the veteran; prior to its passage loans secured by adjusted service certificates could be made only by the banks.

Retirement of disabled emergency officers.—The act of May 24, 1928, provides that all emergency officers who served during the World War who have a permanent disability incurred in line of duty of 30 per cent or more shall receive retirement pay and shall be entitled to the same privileges as are now or may hereafter be provided for by law or regulations for officers of the Regular Army, Navy, or Marine Corps who have been retired for physical disability incurred in line of duty.

No. 167.—UNITED STATES VETERANS' BUREAU: DISBURSEMENTS

[All figures in thousands of dollars]

	Total to June 30, 1924	Year ended June 30—				
		1925	1926	1927	1928	1929
Grand total	**2,669,371**	**393,756**	**436,105**	**405,348**	**421,001**	**432,743**
Disbursements from appropriations	**2,345,934**	**384,787**	**426,237**	**393,584**	**403,373**	**410,448**
Losses on war-risk insurance on American vessels, their cargoes, etc	35,107	2	[1] *34*			1
Military and naval family allowance	282,196	7	[1] *7*	[1] *87*	[1] *24*	[1] *2*
Military and naval insurance [2]	529,116	104,137	136,975	120,964	120,771	121,349
Military and naval compensation	600,510	129,597	164,437	173,477	181,800	188,931
Vocational rehabilitation	556,155	60,483	25,841	2,206	233	[1] *3*
Medical and hospital services, U. S. Veterans' Bureau	195,315	33,033	31,198	31,555	30,167	29,809
Hospital facilities and services	12,776	3,895	4,511	4,599	5,222	4,044
Salaries and expenses, Veterans' Bureau	125,936	45,001	42,164	36,354	37,815	39,932
Soldiers' and sailors' civil relief claims	20					
Printing and binding	107	158	136	127	134	128
Increase of compensation	8,696	6	[1] *3*			
Administrative expenses adjusted compensation, 1924–25		809	26			
Adjusted service and dependent pay		3,038	5,626	9,960	10,153	6,453
Adjusted service certificate fund		4,697	15,355	14,408	17,098	19,745
All other		14	12	21	4	61
Disbursements from trust funds	**323,437**	**8,969**	**9,868**	**11,784**	**17,628**	**22,295**
Allotment trust fund	300,991	3	[1] *14*	[1] *100*	[1] *36*	[1] *6*
United States Government life-insurance fund	22,371	8,962	9,882	11,864	17,664	22,301
Vocational rehabilitation gift fund	75	4				

[1] Credit.

[2] $452,102,000 in premiums credited to this appropriation.

Source: United States Veterans' Bureau.

No. 168.—VETERANS' INSURANCE AND COMPENSATION: DEATH AND DISABILITY AWARDS

NOTE.—See general note, p. 161

	Total to June 30, 1929	Period or year ended June 30—					
		1917–1924	1925	1926	1927	1928	1929
Number of awards made during period or year:							
Compensation—							
Total original awards	560,919	461,377	28,881	26,780	15,429	14,152	14,300
Original death	79,744	59,587	4,995	9,175	2,303	1,890	1,794
Original disability	481,175	401,790	23,886	17,605	13,126	12,262	12,506
Disability change to death	28,193	10,169	3,356	4,913	3,514	3,370	2,871
Term insurance—							
Total original awards	173,532	161,257	3,996	4,346	1,991	995	947
Original death	140,773	136,836	1,166	1,254	688	488	341
Original disability	32,759	24,421	2,830	3,092	1,303	507	606
Disability changed to death	17,005	11,419	1,578	1,538	852	680	938
Converted insurance—							
Total original awards	16,193	4,602	1,464	1,850	1,957	2,914	3,406
Original death	10,447	3,237	970	1,014	1,199	1,822	2,205
Original disability	5,746	1,365	494	836	758	1,092	1,201
Disability changed to death	1,258	264	149	173	190	218	264
Number of awards active at end of period or year:							
Compensation		237,147	277,602	305,177	326,450	343,170	349,806
Death		58,110	65,958	78,693	82,889	85,634	87,668
Disability		179,037	211,644	226,484	243,611	257,536	262,138
Term insurance		149,857	153,331	154,881	146,047	144,081	157,369
Death		141,754	143,823	144,057	135,005	133,107	145,425
Disability		8,103	9,508	10,824	11,042	10,974	11,944
Converted insurance		2,054	2,602	3,375	4,086	5,298	6,634
Death		1,032	1,276	1,462	1,694	2,075	2,532
Disability		1,022	1,326	1,913	2,392	3,223	4,102

No. 169.—GOVERNMENT LIFE INSURANCE: ANNUAL PREMIUM RATES ON $1,000 INSURANCE, BY SPECIFIED FORMS OF INSURANCE

Age at conversion	Ordinary life	20-payment life	30-payment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term	Age at conversion	Ordinary life	20-payment life	30-payment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term
	Dolls.	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*		*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*
15	12.29	19.25	15.36	38.86	23.98	14.88	7.44	43	26.58	33.43	28.11	42.53	30.12	44.77	10.87
16	12.52	19.61	15.59	38.86	24.10	15.24	7.44	44	27.64	34.38	29.06	42.88	30.95	47.72	11.22
17	12.76	19.85	15.83	38.98	24.10	15.59	7.56	45	28.71	35.32	30.00	43.47	31.66	50.91	11.69
18	12.99	20.20	16.07	38.98	24.22	16.07	7.56	46	29.89	36.38	31.19	43.94	32.60	54.69	12.17
19	13.23	20.44	16.30	38.98	24.22	16.54	7.56	47	31.19	37.56	32.25	44.65	33.55	58.83	12.76
20	13.58	20.79	16.54	39.10	24.33	17.01	7.68	48	32.60	38.75	33.55	45.36	34.61	63.67	13.47
21	13.82	21.14	16.89	39.10	24.33	17.48	7.68	49	34.02	39.93	34.85	46.07	35.79	69.22	14.18
22	14.18	21.50	17.13	39.10	24.45	18.07	7.80	50	35.56	41.34	36.38	47.02	37.09	75.72	15.00
23	14.53	21.85	17.48	39.22	24.45	18.66	7.80	51	37.21	42.76	------	47.96	38.51	83.28	15.95
24	14.88	22.21	17.84	39.22	24.57	19.25	7.91	52	38.98	44.30	------	49.02	40.05	92.49	16.89
25	15.24	22.56	18.07	39.34	24.69	19.85	7.91	53	40.87	45.83	------	50.20	41.82	------	18.07
26	15.59	23.04	18.43	39.34	24.81	20.55	8.03	54	42.88	47.61	------	51.62	43.59	------	19.37
27	15.95	23.39	18.78	39.45	24.93	21.26	8.03	55	45.13	49.50	------	53.04	45.60	------	20.79
28	16.42	23.86	19.14	39.45	25.04	22.09	8.15	56	47.37	51.50	------	54.69	------	------	22.33
29	16.89	24.33	19.61	39.57	25.16	22.92	8.27	57	49.85	53.75	------	56.47	------	------	24.10
30	17.36	24.81	19.96	39.69	25.40	23.74	8.39	58	52.45	55.99	------	58.47	------	------	26.11
31	17.84	25.28	20.44	39.81	25.52	24.69	8.51	59	55.28	58.59	------	60.72	------	------	28.23
32	18.31	25.87	20.91	39.93	25.75	25.75	8.62	60	58.36	61.31	------	63.08	------	------	30.60
33	18.90	26.34	21.38	40.05	25.99	26.82	8.74	61	61.66	------	------	------	------	------	33.19
34	19.49	26.93	21.85	40.16	26.22	28.00	8.86	62	65.21	------	------	------	------	------	36.15
35	20.08	27.52	22.44	40.28	26.46	29.30	8.98	63	68.99	------	------	------	------	------	39.34
36	20.79	28.11	23.04	40.52	26.82	30.71	9.10	64	73.00	------	------	------	------	------	42.88
37	21.38	28.82	23.63	40.64	27.17	32.13	9.33	65	77.37	------	------	------	------	------	46.78
38	22.33	29.53	24.22	40.87	27.52	33.78	9.45	66	82.10	------	------	------	------	------	51.15
39	22.92	30.24	24.93	41.11	27.88	35.56	9.69	67	87.18	------	------	------	------	------	55.87
40	23.74	30.95	25.63	41.46	28.47	37.56	9.92	68	92.61	------	------	------	------	------	61.07
41	24.69	31.78	26.34	41.70	28.94	39.69	10.28	69	98.40	------	------	------	------	------	66.62
42	25.52	32.60	27.17	42.05	29.53	42.05	10.51	70	104.78	------	------	------	------	------	72.77

Source of Tables 168 and 169: United States Veterans' Bureau.

No. 170.—GOVERNMENT LIFE INSURANCE: AMOUNT IN FORCE AND PREMIUMS PAID DIRECT TO VETERANS' BUREAU

NOTE.—See general note, p. 161. During the war premiums on term insurance were collected by the War and Navy Departments; thereafter direct by the Veterans' Bureau, except for those in service whose premiums were collected by deductions from payrolls and paid to the Veterans' Bureau.

	Insurance policies in force June 30						Premiums paid direct to Veterans' Bureau during period or year ended June 30	
	Term insurance			Converted insurance				
	Total	Men in service	Men out of service	Total	Men in service	Men out of service	Term insurance	Converted insurance
Number:								
1921 [1]	397,890	96,176	301,714	253,164	39,828	213,336	8,913,466	1,901,230
1922	300,926	48,335	252,591	280,852	25,005	255,847	3,008,191	1,364,970
1923	240,291	26,725	213,566	319,774	21,557	298,217	2,466,222	1,525,324
1924	209,385	18,913	190,472	353,215	19,576	333,639	2,090,855	1,712,810
1925	177,328	12,231	165,097	375,012	21,427	353,585	1,748,753	1,880,734
1926	130,103	6,655	123,448	423,557	25,560	397,997	1,500,111	2,060,421
1927	87,100	2,351	84,749	500,880	29,588	471,292	979,318	2,440,325
1928	266		266	660,108	31,893	628,215		3,593,159
1929	229		229	649,837	30,359	619,478		3,602,351
Amount (1,000 dollars):								
1921 [1]	2,980,660	567,495	2,413,165	868,716	136,667	732,049	64,017	32,624
1922	2,314,663	331,623	1,983,040	1,033,737	92,036	941,701	20,755	26,864
1923	1,854,146	183,359	1,670,787	1,216,064	81,979	1,134,085	17,401	30,919
1924	1,609,030	129,805	1,479,225	1,375,543	97,956	1,277,587	14,781	35,345
1925	1,372,091	89,597	1,282,494	1,492,937	111,694	1,381,243	13,105	39,388
1926	1,008,511	52,281	956,230	1,773,076	138,284	1,634,792	10,650	44,417
1927	672,075	19,308	652,767	2,220,970	170,174	2,050,796	7,258	54,047
1928	1,654		1,654	3,111,995	181,322	2,930,673	906	71,113
1929	1,342		1,342	3,058,577	176,615	2,881,962	552	69,263

[1] Premiums collected are totals from origin to June 30, 1921.

No. 171.—GOVERNMENT LIFE INSURANCE: CONVERTED INSURANCE ISSUED AND IN FORCE, BY PLAN

Plan	Issued to June 30, 1929					In force June 30, 1929	
	Number	Amount (1,000 dollars)	Average policy	Per cent of total		Number	Amount (1,000 dollars)
				Number	Amount		
Total	825,467	3,687,801	$4,468	100.00	100.00	649,837	3,058,577
Ordinary life	170,242	879,158	5,164	20.62	23.84	135,702	732,798
20-payment life	205,954	877,472	4,261	24.95	23.79	167,661	737,099
30-payment life	32,793	166,264	5,070	3.97	4.51	28,624	147,299
20-year endowment	212,038	565,924	2,669	25.69	15.35	127,949	382,541
30-year endowment	42,306	178,629	4,222	5.13	4.84	34,893	149,653
Endowment at age 62	40,348	194,581	4,823	4.89	5.28	34,700	169,310
Convertible term	121,786	825,773	6,781	14.75	22.39	99,594	678,996
Extended insurance						20,714	60,881

No. 172.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN, MAY 31, 1919, TO JUNE 30, 1929

	Total to June 30, 1929	Year ended June 30, 1929		Total to June 30, 1929	Year ended June 30, 1929
Income, total	$483,367,192	$86,011,253	Disbursements—Contd.		
Premiums	391,855,354	67,428,271	Dividends	$25,533,005	$5,818,746
Interest on investments	48,044,342	9,492,569	Interest on dividend deposits	1,214	515
Repayments under sec. 406 as amended Aug. 9, 1921	36,945,001	7,945,859	Payments on matured endowment	88,135	48,950
Profit on sale of investments	3,365,921	236,533	Balance, total	390,321,045	
Interest on loans	3,105,530	902,751	Investment and interest	212,831,661	
Interest on premiums	51,044	5,270	Loans on adjusted service certificates	129,241,007	
Disbursements, total	93,046,147	22,301,640	Loans on policies	46,110,558	
Paid on claims	58,013,471	14,350,011	Cash on hand	2,137,819	
Paid on surrenders	9,410,322	2,083,418			

Source of Tables 170, 171, and 172: United States Veterans' Bureau.

No. 173.—HOSPITALIZATION: UNITED STATES VETERANS' BUREAU BENEFICIARIES, YEARS ENDED JUNE 30

NOTE.—See general note, p. 161

Groups of hospitals	Capacity	Average daily patients, period of operation	Patients remaining at expiration of year: Total	Tuberculosis	Neuropsychiatric	General	Personnel on duty at close of year	Operating expenses	Per diem cost
All hospitals:									
1923	-------	24,526	23,604	9,886	9,403	4,315	-------	-------	-------
1924	-------	22,158	22,726	8,831	9,875	4,020	-------	-------	-------
1925	-------	27,447	26,631	9,660	12,139	4,832	-------	-------	-------
1926	-------	27,012	25,858	7,863	12,902	5,093	-------	-------	-------
1927	-------	26,386	25,318	6,956	12,748	5,614	-------	-------	-------
1928	-------	26,372	26,139	6,542	13,057	6,540	-------	-------	-------
1929	-------	27,642	27,784	6,547	13,781	7,456	-------	-------	-------
U. S. Veterans' Bureau hospitals:									
1923	18,693	12,264	10,429	4,773	3,438	2,218	9,889	$21,839,009	[1] $4.91
1924	15,616	11,274	11,984	4,986	5,182	1,816	10,178	19,484,142	[1] 4.55
1925	20,504	15,855	15,743	6,013	7,433	2,297	12,818	23,354,485	[1] 4.04
1926	20,483	16,569	16,241	5,299	8,462	2,480	12,662	25,321,554	[1] 4.19
1927	20,640	17,305	16,911	5,023	9,081	2,807	12,653	25,282,431	[1] 4.00
1928	21,233	17,849	17,996	4,854	10,044	3,098	13,542	26,091,386	[1] 4.00
1929	22,190	19,326	19,299	5,035	10,941	3,323	13,614	28,178,406	[1] 4.01
1929									
U. S. marine hospitals	[2] 434	424	434	28	2	404	-------	-------	-------
U. S. Army hospitals	[2] 2,617	1,975	1,847	472	256	1,119	-------	-------	-------
U. S. Navy hospitals	[2] 2,822	2,165	2,355	70	307	1,978	-------	-------	-------
National soldiers' homes	[2] 2,061	1,565	1,584	504	665	415	-------	-------	-------
Interior Department (St. Elizabeths)	[2] 342	350	342	-------	342	-------	-------	-------	-------
Contract hospitals	-------	1,837	1,923	438	1,268	217	-------	-------	-------

[1] Excludes hospitals which operated for only part of year under unnatural conditions.
[2] Represents only those hospital beds made available to patients of the U. S. Veterans' Bureau.

Source: United States Veterans' Bureau.

No. 174.—ADJUSTED COMPENSATION AWARDS: NUMBER AND AMOUNT TO JUNE 30, 1929

NOTE.—See general note, p. 161

Branch of service and claim	Number	Amount (1,000 dollars)	Branch of service and claim	Number	Amount (1,000 dollars)
Grand total	3,650,093	3,514,105	Navy—Continued.		
			Dependents (over $50) [1]	8,342	3,435
Army, total	3,141,397	2,983,371	Certificates	426,036	457,442
Cash (less than $50):			$60 lump-sum payments	-------	151
Veterans	113,937	4,034			
Dependents	5,792	158	Marine Corps, total	65,708	69,472
Dependents (over $50) [1]	82,919	29,077	Cash (less than $50):		
Certificates	2,938,749	2,947,836	Veterans	449	15
$60 lump-sum payments	-------	2,266	Dependents	53	2
			Dependents (over $50) [1]	2,269	916
Navy, total	442,988	461,262	Certificates	62,937	68,460
Cash (less than $50):			$60 lump-sum payments	-------	79
Veterans	8,176	223			
Dependents	434	11			

[1] Payments of more than $50 to dependents are made in 10 equal quarterly installments.

No. 175.—CIVIL SERVICE RETIREMENT: SUMMARY, YEARS ENDED JUNE 30

NOTE.—Retirement for civil service employees was established by act of May 22, 1920. Under this act and amendments of July 3, 1926, and May 29, 1930 (effective July 1, 1930) employees of the classified service with competitive status, most of the principal groups of unclassified laborers, and certain other groups are eligible for retirement on annuity at the ages of 62, 65, and 70, according to the class of service, if they have rendered at least 15 years of service. Provision is also made for the retirement of employees in the service not less than 5 years who, before reaching the retirement age, become disabled. From the basic compensation of each employee within the scope of the acts there is deducted 3½ per cent (2½ prior to July 1, 1926) thereof for deposit to the credit of the retirement fund. All amounts deducted prior to July 1, 1930, and thereafter amounts deducted less $1 per month are credited to the employee's individual account. Under the amendment of May 29, 1930, annuities are composed of (1) a sum equal to $30 for each year of service not exceeding 30 and (2) the amount of annuity purchasable with the sum credited to the individual's account together with interest at 4 per cent per annum

[All money figures in thousands of dollars, except as indicated]

June 30 or year ended June 30—	Number of annuitants on roll			Civil service retirement and disability fund							Administrative expense
				Receipts			Disbursements			Balance in fund June 30	
	Total	Retired for age	Retired for disability	Total	Salary deductions	Interest, profits, etc.	Total	Annuities	Refunds		
1921	6,471	(1)	(1)	12,586	12,514	73	[2] 2,914	2,591	323	9,673	51
1922	7,576	6,667	909	14,854	14,266	587	[2] 6,392	4,188	2,203	18,134	50
1923	9,334	7,994	1,340	15,156	14,113	1,043	[2] 7,780	4,964	2,786	25,510	50
1924	10,548	8,895	1,653	16,632	15,109	1,523	8,557	5,692	2,864	33,586	66
1925	11,689	9,741	1,948	20,029	17,905	2,124	8,949	6,236	2,713	44,666	74
1926	12,524	10,277	2,247	20,174	17,872	2,302	10,210	6,767	3,444	54,629	74
1927	14,119	11,353	2,766	27,168	24,356	2,813	13,461	9,598	3,862	68,337	76
1928	15,383	12,173	3,210	29,503	26,455	3,048	14,762	10,990	3,771	83,078	76
1929	16,501	12,921	3,580	[3] 52,520	28,020	4,550	16,072	12,005	4,067	119,525	83

	1928	1929
Number on the roll June 30 by—		
Sex—		
Male	14,071	15,148
Retired for age	11,361	12,098
Retired for disability	2,710	3,050
Female	1,312	1,353
Retired for age	812	826
Retired for disability	500	527
Departments—		
State	6	6
Treasury	1,403	1,511
War	1,611	1,668
Justice	34	40
Post Office	8,105	8,874
Navy	2,036	2,145
Interior	670	670
Agriculture	325	327
Commerce	157	177
Labor	82	82
District of Columbia	85	99
Government Printing Office	545	543
Superintendent of Public Buildings and Parks	66	70
Interstate Commerce Commission	9	13
Veterans' Bureau	46	50
Architect of the Capitol	11	12
Library of Congress	15	19
General Accounting Office	133	128
Smithsonian Institution	13	13
All others	31	54

	1928	1929
Number on the roll June 30 by—		
Vocations—		
Mechanics	3,362	3,512
City letter carriers	2,698	2,988
Rural letter carriers	2,452	2,683
Post-office clerks	1,355	1,468
Railway postal clerks	1,191	1,290
Departmental and other	3,311	3,393
Laborers, classified and unclassified	1,014	1,008
Hazardous occupations and tropical service	(4)	159
Rates received—		
Less than $100	9	10
Between $100 and $200	116	127
Between $200 and $300	428	436
Between $300 and $400	854	827
Between $400 and $500	1,723	1,685
Between $500 and $600	1,590	1,630
Between $600 and $700	1,655	1,687
Between $700 and $800	1,761	1,935
Between $800 and $900	2,277	2,481
Between $900 and $999.96	1,668	1,750
The maximum, $999.96	3,302	3,933
Average annuity	$734	$746

[1] Not available.
[2] Includes a small amount of Treasury settlements not shown separately
[3] Includes $19,950,000 appropriated by Congress.
[4] Not shown separately in 1928.

Source: Commissioner of Pensions.

No. 176.—EXECUTIVE CIVIL SERVICE AND THE MERIT SYSTEM

June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees
1816	6,327		1895	189,000	54,222	1920 (July 31)	691,116	497,603
1821	8,211		1901	256,000	106,205	1921 (July 31)	597,482	448,112
1831	19,800		1905	349,000	171,807	1922	560,863	420,688
1841	23,700		1907	306,000	196,918	1923	548,531	411,398
1851	33,300		1909	370,000	234,940	1924	554,986	415,593
1861	49,200		1911	370,000	227,657	1925	564,718	423,538
1871	53,900		1913	443,605	282,597	1926	560,705	422,300
1881	107,000		1915	461,993	292,296	1927	559,138	422,998
1884 (Jan. 15)		13,780	1916	438,057	296,026	1928	568,715	431,763
1891	166,000	33,873	1918 (Nov. 11)	917,760	642,432	1929	587,665	445,957

No. 177.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE

NOTE.—Does not include legislative or judicial services nor the commissioned, warranted, or enlisted personnel of the military, naval, Marine Corps, or Coast Guard services. The government of the District of Columbia is also not included

Department or office	Total				Dec. 31, 1929				
	June 30, 1916	July 31, 1921	Dec. 31, 1925	Dec. 31, 1928	Total	In District of Columbia		Outside District of Columbia	
						Male	Female	Male	Female
Total	438,057	597,482	546,341	573,107	589,145	88,742	25,204	467,700	57,499
Department of State	2,783	3,733	4,270	4,482	4,555	325	310	2,944	976
Department of the Treasury	30,629	73,230	51,519	51,855	52,830	5,861	7,752	31,988	7,229
Department of War	37,695	68,544	37,076	46,044	47,130	2,257	1,781	39,438	3,654
Department of Justice	2,610	3,081	3,671	3,931	4,392	593	254	2,544	1,001
Post Office Department	250,885	288,575 [1]	308,164 [1]	312,971 [1]	317,316	3,204	843	286,015	27,254
Department of the Navy	35,722	69,749	42,506	48,199	49,326	6,141	1,183	39,655	2,347
Department of the Interior	19,347	19,705	12,201	13,511	14,377	2,314	1,332	8,315	2,416
Department of Agriculture	18,736	19,179	20,624	22,478	24,400	2,966	2,104	16,510	2,820
Department of Commerce	9,903	13,046	14,537	15,499	17,407	3,350	2,090	11,038	929
Department of Labor	2,504	3,833	4,041	4,267	4,732	357	348	3,246	781
Government Printing Office	4,028	4,464	4,142	4,191	4,408	3,473	935		
Smithsonian Institution	784	437	488	521	536	393	143		
Interstate Com. Com'n	2,243	1,919	1,856	1,996	2,106	1,196	256	632	22
Civil Service Commission	250	385	444	491	533	153	216	90	74
Bureau of Efficiency	27	55	51	71	67	44	23		
Federal Trade Commission	238	318	302	322	397	269	128		
Shipping Board [2]		6,575	1,551	1,594	1,311	423	299	422	167
Alien Property Custodian		162	233	184	186	99	87		
Tariff Commission		99	231	235	227	126	91	8	2
Employees' Comp. Com'n		79	68	174	170	35	74	23	38
Fed. Bd. for Voca'l Education		6,411	69	68	81	39	42		
The Panama Canal	19,291	9,355	9,690	11,019	12,939	61	14	12,280	584
Public Buildings and Parks of the National Capital	217	1,229	2,274	2,300	2,481	1,928	553		
General Accounting Office		1,544	1,984	1,960	1,971	1,209	762		
Veterans' Bureau			23,587	23,927	24,197	1,531	3,175	12,314	7,177
Railroad Administration [3]		1,327	95	25	15	10	5		
War Finance Corporation [3]		(4)	106	31	16	9	3	2	2
National Advisory Committee for Aeronautics		(4)	164	199	241	19	20	188	14
Federal Reserve Board [3]	(4)	(4)	204	186	225	88	119	18	
Board of Tax Appeals			109	153	146	63	83		
Miscellaneous	165	322	84	223	427	206	179	30	12

	June 30, 1916	Nov. 11, 1918	July 31, 1921	Dec. 31, 1926	Dec. 31, 1927	Dec. 31, 1928	Dec. 31, 1929
Total	438,057	[5] 917,760	597,482	546,341	554,175	573,107	589,145
In District of Columbia	39,442	117,760	78,865	59,569	60,660	62,140	63,946
Outside District of Columbia	398,615	[5] 800,000	518,617	486,772	493,551	510,967	525,199

[1] Does not include clerks at fourth-class offices (33,617 in 1929), who are employed and paid by the postmaster, and mail messengers (22,297 in 1929), because not included in previous computations.
[2] Figures include administrative offices of Emergency Fleet Corporation but not workmen at shipyards or in warehouses or employees on vessels.
[3] Positions not subject to the civil service act.
[4] Separate figures not available. Included in miscellaneous.
[5] Approximate.

Source of Tables 176 and 177: The Civil Service Commission.

No. 178.—CIVIL SERVICE: Number of Persons Examined by the Civil Service Commission, Number and Per Cent Who Passed, Number Appointed, and Approximate Number of Competitive Positions

Year ended June 30—	Total						Post office service [1]				Railway Mail Service [2]				All other services			
	Classified competitive positions [3]	Examined	Passed	Per cent that passed	Appointed	Per cent appointed of those that passed	Classified competitive positions [3]	Examined	Passed	Appointed	Classified competitive positions [3]	Examined	Passed	Appointed	Classified competitive positions [3]	Examined	Passed	Appointed
1885 [4]	15,590	6,347	4,141	65.2	1,800	43.5	7,500	3,233	2,262	1,249					8,090	3,114	1,879	551
1890	30,626	22,994	13,947	60.7	5,182	37.2	13,097	11,193	6,904	2,850	5,836	4,463	3,129	1,409	11,693	7,338	3,914	932
1895	48,317	31,036	19,311	63.8	4,793	24.2	25,000	19,438	12,802	3,348	7,045	4,641	3,107	643	16,272	6,957	3,902	802
1900	94,893	46,602	34,965	75.0	9,889	28.3	37,000	16,584	11,447	3,931	8,696	4,488	3,844	736	49,197	25,530	19,674	5,222
1905	171,807	143,053	111,741	78.1	38,996	34.9	81,596	52,550	41,978	16,297	12,171	6,972	4,218	1,558	78,040	83,531	65,545	21,141
1907	196,918	129,317	93,920	72.6	43,003	45.8	95,866	51,025	37,771	16,456	14,212	6,566	4,085	2,051	86,840	71,726	52,064	24,496
1908	206,638	161,793	120,760	74.6	42,153	34.9	102,127	52,363	37,850	12,169	15,230	9,674	5,999	1,607	89,281	99,756	76,911	28,377
1909	234,040	158,484	123,449	77.9	40,943	33.2	122,711	57,568	45,468	11,441	15,967	15,724	11,336	1,392	96,262	85,192	66,645	28,110
1910	222,278	115,644	87,769	75.9	43,585	49.7	126,131	37,253	30,170	11,812	16,956	52	39	2,271	79,191	78,339	57,560	29,502
1911	227,657	105,024	70,159	66.8	23,256	33.2	127,228	42,750	34,149	9,328	17,428	8,972	6,760	1,982	83,001	53,302	29,250	11,946
1912	217,392	106,078	59,251	55.9	20,969	35.4	115,905	40,256	26,133	8,706	18,297	11,273	3,036	770	83,190	54,549	30,082	11,493
1913	282,597	141,905	94,390	66.5	[5] 35,154	37.2	161,846	59,181	39,810	14,905	19,620	18,340	9,616	1,270	101,131	64,384	44,964	18,979
1914	292,460	215,587	147,526	68.4	[6] 41,935	28.4	165,646	103,678	76,257	19,606	22,679	27,664	19,665	2,941	104,135	84,245	51,604	19,388
1915	292,296	167,795	114,632	68.3	[6] 36,398	31.8	166,328	70,734	52,586	13,682	21,769	33	17	146	104,199	97,028	62,029	22,570
1916	296,926	154,722	113,980	73.7	42,057	36.9	166,375	72,122	55,614	17,729	20,989	1	1	28	109,562	82,599	58,365	24,300
1917	326,899	212,114	156,927	74.0	86,312	55.0	167,639	51,416	38,560	19,569	21,191	13,975	10,433	43	138,069	146,723	107,934	66,700
1918	642,432	551,391	387,963	70.4	213,530	55.0	188,201	56,268	41,309	29,572	20,538	2,927	1,867	8,297	433,693	492,196	344,787	175,661
1919	569,745	438,259	299,826	68.4	133,533	44.5	190,081	58,459	41,433	29,949	20,833	9,930	6,489	1,291	358,831	369,870	251,904	102,293
1920	497,603	293,327	193,905	66.1	116,309	60.0	196,449	58,922	39,667	17,181	21,717	12,866	7,571	4,269	279,437	221,539	146,667	94,859
1921	448,112	303,309	203,209	67.0	101,711	50.1	205,352	114,033	74,977	32,601	22,320	15,803	9,849	6,044	220,440	173,473	118,383	63,066
1922	420,688	206,007	128,952	62.6	63,867	49.5	209,533	70,120	43,984	25,186	22,227	12,890	8,694	910	188,928	122,997	76,274	37,771
1923	411,398	204,209	122,918	60.2	57,694	46.9	212,078	61,122	40,583	22,236	22,052	23,642	12,512	993	177,268	119,436	69,823	34,410
1924	415,593	222,915	133,566	59.9	68,287	51.1	222,276	77,862	52,575	27,237	22,073	25,510	10,969	2,129	171,244	119,543	69,962	38,921
1925	423,538	201,415	122,495	60.8	50,164	40.9	226,301	77,978	50,647	20,560	22,340	60	33	629	174,397	123,377	71,815	28,975
1926	422,300	202,846	105,964	52.2	36,992	34.9	230,021	89,835	42,591	16,561	22,340	113	87	280	169,939	112,898	63,286	20,151
1927	422,998	257,401	126,118	49.0	38,777	30.7	232,244	98,423	45,080	17,560	22,281	29,481	15,717	708	168,473	129,497	65,321	20,509
1928	431,763	236,997	123,830	52.2	37,796	30.5	238,449	100,576	49,279	15,882	21,343	194	90	705	171,971	136,227	74,461	21,209
1929	445,957	243,510	125,726	51.6	44,817	35.6	241,394	96,276	44,986	16,843	21,379	12	6	833	183,184	147,222	80,734	27,141
Total from July 16, 1883		6,078,389	4,005,479	65.9	1,688,840	42.2		2,050,210	1,352,735	550,073		327,397	203,071	60,004		3,700,782	2,449,673	1,078,763

[1] Includes clerks, city carriers, village carriers, and employees in motor-vehicle service at classified post offices, rural carriers, fourth-class postmasters, and seapost clerks.
[2] Railway mail clerks, classified May 1, 1889.
[3] At close of year or period; approximated.
[4] Jan. 16, 1884, to Jan. 15, 1885.
[5] The large increase in field service figures for 1913 is due to the inclusion of navy-yard artisans' positions to the number of about 16,000 in the competitive classified service.
[6] 11,635 fourth-class postmasters, appointed in 1914 and 18,238 in 1915, under the Executive order of May 7, 1913, requiring examinations at offices whose incumbents had not been appointed under the regulations, are not included in this table.

Source: The Civil Service Commission.

No. 179.—POPULAR VOTE FOR PRESIDENTIAL ELECTORS: BY PRINCIPAL POLITICAL PARTIES, TOTALS, 1888 TO 1928, AND BY STATES, 1928

NOTE.—The column "miscellaneous independent" represents so-called independent, progressive, and farmer-labor parties variously designated as follows: 1888, Union Labor Party; 1892, 1900, and 1904, Populist; 1896, National Democrat; 1908, Populist and Independent; 1912 and 1916, Progressive; 1920 and 1928, Farmer-Labor. In 1924, column represents votes for La Follette-Wheeler electors, variously designated under party names as Independent Progressive, Progressive, Socialist, Socialist and Independent, Farmer-Labor, etc.

State	Republican	Democrat	Socialist and Socialist-Labor	Miscellaneous independent[1]	Prohibition	Total[2]
1888	5,444,337	5,540,050	----------	146,897	250,124	11,381,408
1892	5,190,802	5,554,414	----------	1,027,329	271,058	12,043,603
1896	7,035,638	[3] 6,467,946	[4] 36,454	131,529	141,676	13,813,243
1900	7,219,530	6,358,071	127,519	50,232	*209,166*	*13,964,518*
1904	7,628,834	5,084,491	436,184	114,753	259,257	13,523,519
1908	7,679,006	6,409,106	434,645	111,693	252,683	14,887,133
1912	3,483,922	6,286,214	926,090	4,126,020	208,923	15,031,169
1916	8,538,221	9,129,606	598,516	41,894	220,506	18,528,743
1920	16,152,200	9,147,353	950,974	265,411	189,408	26,705,346
1924	15,725,003	8,385,586	[4] 27,650	[1] 4,826,471	57,551	29,022,261
1928	21,392,190	15,016,443	289,023	6,390	20,106	36,879,414
Alabama	120,725	127,797	460	----------	----------	248,982
Arizona	52,533	38,537	----------	----------	----------	91,254
Arkansas	77,751	119,196	429	----------	----------	197,693
California	1,162,323	614,365	19,595	----------	----------	1,796,656
Colorado	253,872	133,131	3,472	1,092	----------	392,242
Connecticut	296,614	252,040	3,641	----------	----------	553,031
Delaware	68,860	36,643	329	----------	----------	105,891
Florida	144,168	101,764	4,036	----------	----------	253,674
Georgia	63,498	129,602	124	----------	----------	[5] 220,159
Idaho	99,848	53,074	1,308	----------	----------	154,230
Illinois	1,769,141	1,313,817	20,950	----------	----------	3,107,489
Indiana	848,290	562,691	4,516	----------	5,496	1,421,314
Iowa	623,818	378,936	3,190	3,088	----------	1,009,362
Kansas	513,672	193,003	6,205	----------	----------	713,200
Kentucky	558,064	381,070	1,177	----------	----------	940,604
Louisiana	51,160	164,655	----------	----------	----------	215,333
Maine	179,923	81,179	1,068	----------	----------	262,171
Maryland	301,479	223,626	[6] 2,607	----------	----------	528,348
Massachusetts	775,566	792,758	7,035	----------	----------	1,577,827
Michigan	965,396	396,762	4,315	----------	2,728	1,372,082
Minnesota	560,977	396,451	[6] 8,695	----------	----------	970,976
Mississippi	27,153	124,539	----------	----------	----------	151,692
Missouri	834,080	662,562	4,079	----------	----------	1,500,721
Montana	113,300	78,578	1,667	----------	----------	194,108
Nebraska	345,745	197,959	3,434	----------	----------	547,138
Nevada	18,327	14,090	----------	----------	----------	32,417
New Hampshire	115,404	80,715	455	----------	----------	196,747
New Jersey	926,050	616,517	5,397	----------	160	1,549,381
New Mexico	69,645	48,211	----------	----------	----------	118,014
New York	2,193,344	2,089,863	111,543	----------	----------	4,466,072
North Carolina	348,992	287,078	----------	----------	----------	636,070
North Dakota	131,441	108,648	842	----------	----------	239,867
Ohio	1,627,546	864,210	10,198	----------	3,556	2,508,346
Oklahoma	394,046	219,174	3,924	1,283	----------	618,427
Oregon	205,341	*109,223*	*4,284*	----------	----------	*319,942*
Pennsylvania	2,055,382	1,067,586	[6] 19,027	----------	3,880	3,150,615
Rhode Island	117,522	118,973	416	----------	----------	242,784
South Carolina	3,188	62,700	47	----------	----------	[6] 68,605
South Dakota	157,603	102,660	443	927	----------	261,865
Tennessee	195,388	167,343	631	----------	----------	363,473
Texas	367,036	341,032	722	----------	----------	708,990
Utah	94,618	80,985	954	----------	----------	176,608
Vermont	90,404	44,440	----------	----------	338	135,194
Virginia	164,609	140,146	430	----------	----------	305,351
Washington	335,844	156,772	6,683	----------	----------	500,840
West Virginia	375,551	263,784	1,313	----------	1,703	642,752
Wisconsin	544,205	450,259	18,594	----------	2,245	1,016,872
Wyoming	52,748	29,299	788	----------	----------	84,496

[1] See headnote.

[2] Figures prior to 1928 do not include votes cast for names not appearing on the electoral tickets specified in the table. In 1928 they represent the entire vote cast, including 48,770 votes (35 States) cast for the Workers electors and 67,951 scattering, defective, blank, and void ballots.

[3] Democrat-Populist.

[4] Socialist-Labor only. In 1924 practically all the Socialist vote is included in votes in next column for La Follette and Wheeler, official candidates of the Socialist Party as well as the Independent Progressive.

[5] Total for Georgia includes 35,871 anti-Smith votes; for South Carolina, 2,670.

[6] Maryland includes 906 Labor votes; Minnesota and Pennsylvania, 1,921 and 380 Industrial votes, respectively.

Sources: 1888–1920, reports of State officials on file in the Department of State; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

No. 180.—ELECTORAL VOTE FOR PRESIDENT: BY PRINCIPAL POLITICAL PARTIES AND BY STATES, 1908 TO 1928

NOTE.—In 1924, the 13 electoral votes of Wisconsin were cast for La Follette and Wheeler, Independent Progressive candidates

State	1908		1912			1916		1920		1924		1928	
	Republican	Democratic	Republican	Democratic	Progressive	Republican	Democratic	Republican	Democratic	Republican	Democratic	Republican	Democratic
Total	321	162	8	435	88	254	277	404	127	382	136	444	87
Plurality	159	.....	.....	347	.....	.....	23	277	.....	246	.....	357	.....
Alabama	.....	11	.....	12	.....	.....	12	.....	12	.....	12	.....	12
Arizona	.....	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....
Arkansas	.....	9	.....	9	.....	.....	9	.....	9	.....	9	.....	9
California	10	.....	.....	2	11	.....	13	13	.....	13	.....	13	.....
Colorado	.....	5	.....	6	.....	.....	6	6	.....	6	.....	6	.....
Connecticut	7	.....	.....	7	.....	7	.....	7	.....	7	.....	7	.....
Delaware	3	.....	.....	3	.....	3	.....	3	.....	3	.....	3	.....
Florida	.....	5	.....	6	.....	.....	6	.....	6	.....	6	6	.....
Georgia	.....	13	.....	14	.....	.....	14	.....	14	.....	14	.....	.....
Idaho	3	.....	.....	4	.....	.....	4	4	.....	4	.....	4	14
Illinois	27	.....	.....	29	.....	29	.....	29	.....	29	.....	29	.....
Indiana	15	.....	.....	15	.....	15	.....	15	.....	15	.....	15	.....
Iowa	13	.....	.....	13	.....	13	.....	13	.....	13	.....	13	.....
Kansas	10	.....	.....	10	.....	.....	10	10	.....	10	.....	10	.....
Kentucky	.....	13	.....	13	.....	.....	13	.....	13	13	.....	13	.....
Louisiana	.....	9	.....	10	.....	.....	10	.....	10	.....	10	.....	10
Maine	6	.....	.....	6	.....	6	.....	6	.....	6	.....	6	.....
Maryland	2	6	.....	8	.....	.....	8	8	.....	8	.....	8	.....
Massachusetts	16	.....	.....	18	.....	18	.....	18	.....	18	.....	.....	18
Michigan	14	.....	.....	.....	15	15	.....	15	.....	15	.....	15	.....
Minnesota	11	.....	.....	.....	12	12	.....	12	.....	12	.....	12	.....
Mississippi	.....	10	.....	10	.....	.....	10	.....	10	.....	10	.....	10
Missouri	18	.....	.....	18	.....	.....	18	18	.....	18	.....	18	.....
Montana	3	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
Nebraska	.....	8	.....	8	.....	.....	8	8	.....	8	.....	8	.....
Nevada	.....	3	.....	3	.....	.....	3	3	.....	3	.....	3	.....
New Hampshire	4	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
New Jersey	12	.....	.....	14	.....	14	.....	14	.....	14	.....	14	.....
New Mexico	.....	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....
New York	39	.....	.....	45	.....	45	.....	45	.....	45	.....	45	.....
North Carolina	.....	12	.....	12	.....	.....	12	.....	12	.....	12	12	.....
North Dakota	4	.....	.....	5	.....	.....	5	5	.....	5	.....	5	.....
Ohio	23	.....	.....	24	.....	.....	24	24	.....	24	.....	24	.....
Oklahoma	.....	7	.....	10	.....	.....	10	10	.....	.....	10	10	.....
Oregon	4	.....	.....	5	.....	5	.....	5	.....	5	.....	5	.....
Pennsylvania	34	.....	.....	.....	38	38	.....	38	.....	38	.....	38	.....
Rhode Island	4	.....	.....	5	.....	5	.....	5	.....	5	.....	.....	5
South Carolina	.....	9	.....	9	.....	.....	9	.....	9	.....	9	.....	9
South Dakota	4	.....	.....	.....	5	5	.....	5	.....	5	.....	5	.....
Tennessee	.....	12	.....	12	.....	.....	12	12	.....	.....	12	12	.....
Texas	.....	18	.....	20	.....	.....	20	.....	20	.....	20	20	.....
Utah	3	.....	4	.....	.....	.....	4	4	.....	4	.....	4	.....
Vermont	4	.....	4	.....	.....	4	.....	4	.....	4	.....	4	.....
Virginia	.....	12	.....	12	.....	.....	12	.....	12	.....	2	12	.....
Washington	5	.....	.....	.....	7	.....	7	7	.....	7	.....	7	.....
West Virginia	7	.....	.....	8	.....	7	1	8	.....	8	.....	8	.....
Wisconsin	13	.....	.....	13	.....	13	.....	13	.....	[1]	[1]	13	.....
Wyoming	3	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....

[1] See headnote.

Sources: 1908 to 1920, Journal of the Senate, Washington, D. C; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

No. 181.—APPORTIONMENT OF CONGRESSIONAL REPRESENTATION

NOTE.—The ratio given at the head of each column indicates the number of inhabitants per Member of the House of Representatives fixed by Congress as the basis of determining the number of Representatives per State. No apportionment under Census of 1920

State	Ratios under Constitution and censuses													
	Constitution	1790	1800	1810	1820	1830	1840	1850 (1)	1860 (2)	1870 (3)	1880	1890	1900	1910
	30,000	33,000	33,000	35,000	40,000	47,700	70,680	93,423	127,381	131,425	151,911	173,901	194,182	211,877
	Representation													
Total	65	106	142	186	213	242	232	237	243	293	332	357	391	435
Alabama				[4]1	3	5	7	7	6	8	8	9	9	10
Arizona														[5]1
Arkansas						[4]1	1	2	3	4	5	6	7	7
California							[4]2	2	3	4	6	7	8	11
Colorado										[4]1	1	2	3	4
Connecticut	5	7	7	7	6	6	4	4	4	4	[6]4	4	5	5
Delaware	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Florida							[4]1	1	1	2	2	2	3	4
Georgia	3	2	4	6	7	9	8	8	7	9	10	11	11	12
Idaho											[4]1	1	1	2
Illinois				[4]1	1	3	7	9	14	19	20	22	25	27
Indiana				[4]1	3	7	10	11	11	13	13	13	13	13
Iowa							[4]2	2	6	9	11	11	11	11
Kansas									1	3	7	8	8	8
Kentucky		2	6	10	12	13	10	10	9	10	11	11	11	11
Louisiana				[4]1	3	3	4	4	5	6	6	6	7	8
Maine				[6]7	7	8	7	6	5	5	4	4	4	4
Maryland	6	8	9	9	9	8	6	6	5	6	6	6	6	6
Massachusetts	8	14	17	13	13	12	10	11	10	11	12	13	14	16
Michigan						[4]1	3	4	6	9	11	12	12	13
Minnesota								[4]2	2	3	5	7	9	10
Mississippi				[4]1	1	2	4	5	5	6	7	7	8	8
Missouri					1	2	5	7	9	13	14	15	16	16
Montana											[4]1	1	1	2
Nebraska									[4]1	1	3	6	6	6
Nevada									[4]1	1	1	1	1	1
New Hampshire	3	4	5	6	6	5	4	3	3	3	2	2	2	2
New Jersey	4	5	6	6	6	6	5	5	5	7	7	8	10	12
New Mexico														[5]1
New York	6	10	17	27	34	40	34	33	31	33	34	34	37	43
North Carolina	5	10	12	13	13	13	9	8	7	8	9	9	10	10
North Dakota											[4]1	1	2	3
Ohio			[4]1	6	14	19	21	21	19	20	21	21	21	22
Oklahoma													[4]5	8
Oregon								[4]1	1	1	1	2	2	3
Pennsylvania	8	13	18	23	26	28	24	25	24	27	28	30	32	36
Rhode Island	1	2	2	2	2	2	2	2	2	2	2	2	2	3
South Carolina	5	6	8	9	9	9	7	6	4	5	7	7	7	7
South Daketa											[4]2	2	2	3
Tennessee		[4]1	3	6	9	13	11	10	8	10	10	10	10	10
Texas							[4]2	2	4	6	11	13	16	18
Utah												[4]1	1	2
Vermont		2	4	6	5	5	4	3	3	3	2	2	2	2
Virginia	10	19	22	23	22	21	15	13	11	9	10	10	10	10
Washington											[4]1	2	3	5
West Virginia										3	4	4	5	6
Wisconsin							[4]2	3	6	8	9	10	11	11
Wyoming											[4]1	1	1	1

[1] Membership increased from 233 to 234 by act of July 30, 1852. (10 Stat. L., 25.)
[2] Membership increased from 233 to 241 by act of Mar. 4, 1862. (12 Stat. L., 353.)
[3] Membership originally fixed at 283 but increased by act of May 30, 1872, to 292. (17 Stat. L., 192.)
[4] Assigned after apportionment.
[5] Included in apportionment act in anticipation of its becoming a State.
[6] Included in the 20 Members originally assigned to Massachusetts, but credited to Maine, after its admission as a State, Mar. 15, 1820. (3 Stat. L., 555.)

Source: Reports of the Bureau of the Census, Department of Commerce.