7. CLIMATE

No. 155.—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, 1928. 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	96.4	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	89.8	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	10	5	−12
Precipitation:													
Total, inches	4.73	3.84	4.62	5.19	4.78	3.76	3.50	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	48	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. 155.—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	108	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	1.18	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	100	100	95	91	74	67	100
Lowest on record	−12	−14	4	11	32	40	48	43	32	25	16	−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. 155.—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	50	47	33	25	12	−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	81.8	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	81	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	87	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. 155.—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	75	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	29.8	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	32.86
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	48	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. 155.—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	67.0
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	20.6	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	4	−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	78	81	94	96	103	95	94	84	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	96	101	104	105	101	92	79	73	105
Lowest on record	−6	−7	5	23	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. 155.—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	33	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. 155.—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	26	−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	43	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	83.8	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	0.63	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	42.0	47.0	52.9	61.2	66.6	76.9	86.5	85.9	76.6	65.6	54.8	43.7	63.3
Daily mean minimum	21.0	23.8	28.5	33.2	39.5	46.2	52.0	51.1	43.8	35.4	28.0	22.5	35.4
Highest on record	67	76	79	88	98	100	102	102	95	87	76	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	7.03
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	45.7
Highest on record	68	71	79	85	95	97	100	104	94	90	77	68	104
Lowest on record	−4	−7	8	19	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. 155.—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	43.99
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	59	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	55.7	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	9	−4	−6
Precipitation:													
Total, inches	3.10	3.15	3.97	3.02	3.43	3.93	4.30	4.16	------	2.75	2.23	3.20	40.23
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	13	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	96
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. 155.—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	45.5	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	72.8	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	12.3
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	102
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	83	90	95	98	103	103	102	91	79	73	103
Lowest on record	−12	−20	1	11	27	39	49	45	35	20	4	−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	39.10
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. 155.—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	64	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	10	−2	−13
Precipitation:													
Total, inches	4.76	4.13	5.11	4.13	3.87	4.00	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	81.1	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	54.9
Highest on record	93	96	100	97	103	107	109	112	104	99	87	83	112
Lowest on record	1	−8	18	30	34	48	56	55	40	24	20	9	−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	75	76	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	6	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. 155.—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	72.8	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	27.8
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	93	88	74	61	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	−33	−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	19	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	73	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	5
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. 155.—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. 156.—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, 536	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, 648		[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, 380	[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, 006	[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

[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 (World War nonregular) officer who for several years had been undergoing treatment for physical reconstruction, 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.

[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.

Source: Reports of the War Department.

No. 157.—NATIONAL GUARD:[1] ORGANIZED STRENGTH, JUNE 30

State or Territory	1922		1928		State or Territory	1922		1928	
	Officers	Enlisted men	Officers[2]	Enlisted men		Officers	Enlisted men	Officers[2]	Enlisted men
Total	8,744	150,914	12,428	188,793	Montana	20	419	74	1,020
					Nebraska	65	1,203	108	1,602
Alabama	152	2,455	208	2,597	Nevada	(3)	(3)	3	
Arizona	30	526	55	823	New Hampshire	63	1,082	69	938
Arkansas	92	1,607	143	2,034	New Jersey	213	4,009	332	4,508
California	164	3,349	376	5,109	New Mexico	45	670	66	1,057
Colorado	91	1,305	139	1,629	New York	1,142	20,474	1,338	19,459
Connecticut	149	2,913	312	3,888	North Carolina	114	2,213	230	3,355
Delaware	50	710	57	741	North Dakota	46	1,102	72	1,199
District of Columbia	34	456	64	930	Ohio	513	8,118	587	7,895
Florida	94	1,654	154	2,287	Oklahoma	159	3,785	417	4,602
Georgia	129	2,391	223	3,360	Oregon	118	2,239	187	2,777
Hawaii	62	1,203	101	1,579	Pennsylvania	750	11,864	841	10,907
Idaho	57	896	80	989	Porto Rico	67	1,465	85	1,425
Illinois	355	6,606	606	8,617	Rhode Island	75	1,441	114	1,494
Indiana	290	4,632	348	4,457	South Carolina	95	1,781	122	2,154
Iowa	195	3,411	241	3,439	South Dakota	57	904	100	1,180
Kansas	172	2,536	251	3,065	Tennessee	55	776	190	2,514
Kentucky	110	2,327	215	2,588	Texas	326	5,581	577	7,227
Louisiana	79	1,440	127	1,871	Utah	46	710	103	1,141
Maine	114	2,060	146	1,989	Vermont	72	1,135	81	1,147
Maryland	163	2,415	226	3,038	Virginia	192	3,258	259	3,493
Massachusetts	483	7,850	623	8,971	Washington	148	2,364	206	2,455
Michigan	227	3,735	309	4,133	West Virginia	44	1,019	103	1,655
Minnesota	278	4,769	343	4,600	Wisconsin	430	6,470	349	4,295
Mississippi	63	1,352	123	1,617	Wyoming	29	440	47	751
Missouri	227	3,794	298	4,183					

[1] "National Guard" by act of June 3, 1916.
[2] Includes 184 warrant officers.
[3] Did not accept allotment.

Source: Reports of the War Department.

No. 158.—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		
1909	2,823	44,129	525	5,639	334	9,348		
1910	2,921	45,076	540	5,961	334	9,152		
1911	3,099	46,759	602	6,592	330	9,454		
1912	3,114	46,651	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	77,956	638	9,170	646	14,981		
1917	4,253	141,543	[2] 4,166	[3] 57,801	500	24,772	373	4,073
1918	7,974	217,834	[2] 15,486	[3] 239,906	1,283	45,348	210	5,188
1919	10,488	145,018	[2] 32,137	[3] 35,805	1,997	43,921	725	6,145
1920	9,171	107,360	[2] 28,482	[3] 2,445	1,106	16,061	564	4,750
1921	8,625	103,571	[2] 19,734	(4)	1,087	21,903	545	4,180
1922	7,831	88,580	[2] 5,340	[5] 13,400	1,142	20,098	446	1,110
1923	7,873	82,355	4,222	17,511	1,140	18,533	136	443
1924	8,126	87,327	3,975	21,015	1,157	19,176	137	501
1925	8,389	84,289	3,818	24,349	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	84,355	4,091	27,072	1,198	17,822	413	8,366

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

Source: Reports of the Navy Department.

No. 159.—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	199,705	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. 160.—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	258,598	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. 161.—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	1,269,791	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

Source: Navy Department.

No. 162.—VESSELS IN THE NAVY: NUMBER AND DISPLACEMENT, BY CLASSES, DECEMBER 31, 1928

Class and type	Total		Fit for service, including those under repair				Under construction		Authorized, but no funds appropriated	
			In commission		Out of commission					
	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement
		Tons		*Tons*		*Tons*		*Tons*		*Tons*
Grand total, all types	762	12,408,393	405	1,527,610	330	795,263	10	85,520	17	(2)
Battleships (first line)	18	525,850	18	525,850						
Cruiser type, total	47	429,221	21	207,230	18	141,991	8	80,000		
Cruisers, second line	11	139,450	3	36,330	8	103,120				
Light cruisers, first line	18	155,000	10	75,000			8	80,000		
Light cruisers, second line	11	39,975	3	9,600	8	30,375				
Aircraft carriers, first line	2	66,000	2	66,000						
Aircraft carriers, second line	1	12,700	1	12,700						
Mine layers, second line	4	16,096	2	7,600	2	8,496				
Destroyer type, total	296	[1] 335,089	112	135,912	172	199,177			12	(2)
Destroyers, first line	274	[1] 312,479	106	128,766	156	183,713			12	(2)
Destroyers, second line	8	5,936			8	5,936				
Light mine layers	14	16,674	6	7,146	8	9,528				
Submarines, total	128	[1] 92,979	80	65,945	42	21,514	2	5,520	4	(2)
Submarines, first line	51	[1] 43,822	47	40,843	3	2,979			1	(2)
Submarines, second line	65	31,282	29	16,065	36	15,217				
Fleet submarines, first line	9	[1] 9,675	3	6,357	3	3,318			3	(2)
Fleet submarines (mine laying)	1	2,680	1	2,680						
Fleet submarines (cruiser)	2	5,520					2	5,520		
Patrol vessels, total	98	45,816	57	26,733	41	19,083				
Eagles	53	26,500	17	8,500	36	18,000				
Submarine chasers	27	2,079	23	1,771	4	308				
Gunboats	12	8,817	12	8,817						
Converted yachts	6	8,420	5	7,645	1	775				
Auxiliaries, total	146	[1] 870,994	100	515,521	45	355,473			1	(2)
Destroyer tenders	8	95,375	6	69,700	2	25,675				
Submarine tenders	8	64,083	6	51,875	2	12,208				
Aircraft tenders	1	11,500	1	11,500						
Repair ships	3	26,200	2	18,100	1	8,100				
Store ships	5	61,500	2	21,100	3	40,400				
Colliers	5	96,140	1	19,250	4	76,890				
Oilers	19	275,336	11	150,286	8	125,050				
Ammunition ships	2	21,200	1	10,600	1	10,600				
Cargo ships	6	59,680	3	26,230	3	33,450				
Transports	3	[1] 23,400	2	23,400					1	(2)
Hospital ships	3	25,817	2	19,900	1	5,917				
Ocean tugs	35	31,348	24	22,715	11	8,633				
Mine sweepers	43	40,850	34	32,300	9	8,550				
Miscellaneous	5	38,565	5	38,565						
Unclassified	29	108,444	17	50,419	12	58,025				

[1] Displacement of the following not included in totals: 12 destroyers; 1 submarine, first line; 3 fleet submarines, first line; 1 transport.
[2] Displacement not given.

Source: Navy Department.

No. 163.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION, YEARS ENDED JUNE 30

NOTE.—Data cover the expenditures and budget of the national organization only and do not include chapter budgets. The estimates for 1929 include amounts appropriated to February 28, 1929, for domestic and foreign disasters. The total expenditures for 1921 were $24,402,741; 1922, $12,475,848; 1923, $9,738,448

Item	1924	1925	1926	1927	1928	Estimated 1929
Total	$16,497,255	$5,836,680	$7,381,869	$11,360,349	$19,866,291	$10,886,191
Domestic operations:						
Service to disabled veterans	1,735,825	1,677,916	1,641,178	1,161,224	862,337	867,135
Service to men of the Regular Army and Navy	308,286	310,376	309,452	307,832	307,458	308,039
Disaster relief	450,604	1,622,783	3,642,827	7,960,893	16,691,608	7,789,678
Enrolled Nurses' Reserve	43,508	45,563	47,383	45,249	46,364	44,249
Public health nursing	267,241	229,616	215,823	211,069	160,637	164,710
Home hygiene and care of the sick	68,533	52,760	51,466	48,380	85,989	90,740
Nutrition	65,604	74,135	64,108	54,371	64,020	66,339
First aid and life saving	216,235	233,423	251,385	238,780	297,201	302,480
Junior Red Cross	233,511	216,707	212,053	188,434	236,564	237,793
Other domestic operations	283,473	302,958	264,040	236,147	298,500	302,733
Insular and foreign operations:						
Relief in foreign disasters	11,969,690	285,579	53,076	256,963	213,339	102,899
League of Red Cross Societies	165,000	177,450	180,000	192,500	210,500	210,000
Junior Red Cross foreign projects	99,580	84,384	74,065	69,360	31,389	25,170
Assistance to insular chapters	221,855	110,239	49,600	75,621	63,873	40,000
Other insular and foreign work		80,058	54,784	48,392	28,653	35,394
Supervision of service activities and general management	368,310	332,733	270,629	265,132	267,859	298,832

No. 164.—AMERICAN NATIONAL RED CROSS: ANNUAL ROLL CALL, 1927–28

NOTE.—Total continental United States 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, 3,043,586 (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)

State or Territory	Membership	Population, July 1, 1927 (census estimates)	Per cent of membership to population	State or Territory	Membership	Population, July 1, 1927 (census estimates)	Per cent of membership to population
Grand total	4,058,949			Montana	21,689	714,000	3.0
				Nebraska	32,948	1,396,000	2.3
Continental U. S.[1]	3,975,155	118,682,681	3.4	Nevada	4,579	[2]77,407	5.9
				New Hampshire	40,904	455,000	9.0
Alabama	21,694	2,549,000	0.8	New Jersey	189,737	3,749,000	5.1
Alaska	3,339	[2]55,036	6.1	New Mexico	7,463	392,000	1.9
Arizona	12,606	459,000	2.7	New York	493,500	11,423,000	4.3
Arkansas	55,091	1,923,000	2.9	North Carolina	38,714	2,897,000	1.3
California	267,598	4,433,000	6.0	North Dakota	26,837	[3]641,192	4.2
Colorado	29,732	1,074,000	2.7	Ohio	277,764	6,710,000	4.1
Connecticut	101,143	1,636,000	6.2	Oklahoma	32,507	2,384,000	1.4
Delaware	5,744	243,000	2.4	Oregon	26,831	890,000	3.0
Dist. of Columbia	27,341	540,000	5.1	Pennsylvania	432,458	9,730,000	4.4
Florida	41,469	1,363,000	3.0	Rhode Island	40,757	704,000	5.8
Georgia	29,535	3,171,000	0.9	South Carolina	12,323	1,845,000	0.7
Idaho	14,287	534,000	2.7	South Dakota	12,089	696,000	1.7
Illinois	134,211	7,296,000	1.8	Tennessee	29,052	2,485,000	1.2
Indiana	106,961	3,150,000	3.4	Texas	82,098	5,397,000	1.5
Iowa	84,893	2,425,000	3.5	Utah	9,635	522,000	1.8
Kansas	52,987	1,828,000	2.9	Vermont	41,328	[3]352,428	11.7
Kentucky	44,410	2,538,000	1.7	Virginia	56,070	2,546,000	2.2
Louisiana	65,006	1,934,000	3.4	Washington	48,279	1,562,000	3.1
Maine	36,673	793,000	4.6	West Virginia	35,275	1,696,000	2.1
Maryland	46,720	1,597,000	2.9	Wisconsin	54,458	2,918,000	1.9
Massachusetts	238,748	4,242,000	5.6	Wyoming	10,376	241,000	4.3
Michigan	218,269	4,490,000	4.9	At Large	4,703		
Minnesota	86,476	2,686,000	3.2				
Mississippi	54,852	[2]1,790,618	3.1	Insular territories and possessions	83,794		
Missouri	132,996	3,510,000	3.8				

[1] Includes Alaska. [2] Population Jan. 1, 1920. [3] Population State census, 1925.

Source of Tables 163 and 164: The American National Red Cross.

No. 165.—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	June 30 or year ended June 30—	Number on rolls			Disbursements for pensions	Maintenance and expenses
	Invalids	Widows, etc.	Total	In thousands of dollars			Invalids	Widows, etc.	Total	In thousands of dollars	
1866	55,652	71,070	126,722	15,450	407	1903	729,356	267,189	996,545	137,760	3,993
1870	87,521	111,165	198,686	29,351	600	1904	720,921	273,841	994,762	141,094	3,849
1875	122,989	111,832	234,821	29,270	982	1905	717,761	280,680	998,441	141,143	3,722
1880	145,410	105,392	250,802	66,689	935	1906	701,483	284,488	985,971	139,000	3,523
1881	164,110	104,720	268,830	50,583	1,072	1907	679,937	287,434	967,371	138,155	3,309
1882	182,633	103,064	285,697	54,313	1,466	1908	658,071	293,616	951,687	153,093	2,801
1883	206,042	97,616	303,658	60,428	2,592	1909	632,557	313,637	946,194	161,974	2,853
1884	225,470	97,286	322,756	57,912	2,835	1910	602,180	318,903	921,083	159,974	2,658
1885	247,146	97,979	345,125	65,172	3,393	1911	570,050	322,048	892,098	157,325	2,517
1886	270,346	95,437	365,783	64,091	3,245	1912	538,000	322,294	860,294	152,986	2,449
1887	306,298	99,709	406,007	73,753	3,753	1913	503,633	316,567	820,272	174,172	2,543
1888	343,701	108,856	452,557	78,951	3,515	1914	470,331	314,908	785,239	172,418	2,067
1889	373,699	116,026	489,725	88,843	3,467	1915	437,448	310,699	748,147	165,518	1,780
1890	415,654	122,290	537,944	106,094	3,526	1916	403,120	306,452	709,572	159,155	1,657
1891	536,821	139,339	676,160	117,313	4,701	1917	369,936	303,175	673,111	160,895	1,563
1892	703,242	172,826	876,068	139,394	4,899	1918	340,318	306,582	646,895	179,835	1,528
1893	759,706	206,306	966,012	156,907	4,868	1919	313,140	311,287	624,427	222,159	1,433
1894	754,382	215,162	969,544	139,987	3,964	1920	285,219	306,971	592,190	213,295	1,395
1895	751,456	219,068	970,524	139,812	4,338	1921	267,731	298,322	566,053	258,721	1,390
1896	748,514	222,164	970,678	138,221	3,991	1922	256,918	290,098	547,016	253,808	1,394
1897	747,492	228,522	976,014	139,950	3,988	1923	253,686	286,070	539,756	263,013	1,992
1898	758,511	235,203	993,714	144,652	4,114	1924	248,116	277,423	525,539	229,995	1,498
1899	754,104	237,415	991,519	138,462	4,148	1925	244,886	267,651	512,537	217,151	1,489
1900	752,510	241,019	993,529	138,355	3,842	1926	246,139	255,584	501,723	207,844	1,436
1901	748,649	249,086	997,735	138,531	3,869	1927	246,194	243,748	489,942	230,153	1,327
1902	739,443	260,003	999,446	137,504	3,831	1928	250,030	232,164	491,194	228,966	1,215

PENSIONS OF THE SEVERAL WARS

War	Total payments, 1790 to June 30, 1928	Number on rolls June 30—		Amount paid, year ended June 30—		Value of average pension	
		1920	1928	1920	1928	1920	1928
Total	$7,720,464,744	592,190	491,194	$213,295,311	$228,965,672	$340	$466
War of the Revolution	70,000,000						
War of 1812	46,181,424	71	14	21,145	8,903	233	636
Indian wars	35,470,838	6,228	8,871	1,746,308	3,956,944	203	446
War with Mexico	58,600,427	2,571	849	676,682	544,406	240	641
Civil War	7,101,082,789	533,729	272,906	202,586,306	149,668,976	359	548
War with Spain	309,902,327	30,432	191,270	4,624,098	70,674,410	142	370
Regular establishment	82,477,286	19,031	17,220	3,604,038	4,095,763	181	238
World War	236,227	128	64	36,734	16,260	228	254
Unclassified	16,513,426						

NUMBER RECEIVING SPECIFIED MONTHLY RATES OF PENSION JUNE 30, 1928

	$12	$20	$25	$30	$40	$50	$65	$72	$90	Other rates
Regular establishment:										
Soldiers	2,094	88	40	1,551	55	278	6	216	143	9,194
Widows, etc	2,384	373	164	272	68	67				227
Civil War:										
Soldiers	3	3	1	27	1	402	31,528	35,902	6,818	287
Widows, etc	323	1,126	592	138,069	38,508	19,129	2			185
War with Spain:										
Soldiers	202	45,952	39,447	36,353	23,586	17,056	1	1,202	75	1,201
Widows, etc	53	1,391	53	24,617	10	19				52
Other wars:[1]										
Soldiers	1	607	107	739	895	2,892		2	2	12
Widows, etc	3	27		3,575	4	822		1		

[1] Not including 64 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 168 and 170.) 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.

No. 166.—UNITED STATES VETERANS' BUREAU: DISBURSEMENTS BY FISCAL YEARS ENDED JUNE 30

[All figures in thousands of dollars]

	Total to June 30, 1923	1924	1925	1926	1927	1928
Grand total	2,254,232	415,138	393,756	436,105	405,348	439,157
Disbursements from appropriations	1,938,298	407,635	384,787	426,237	393,584	421,529
Losses on war-risk insurance on American vessels, their cargoes, etc.	35,103	[1] 4	2	[1] *34*		
Military and naval family allowance	282,197	[1] *1*	7	[1] *7*	[1] *87*	[1] *24*
Military and naval insurance [2]	427,876	101,240	104,137	136,975	120,904	120,771
Military and naval compensation	485,015	115,495	129,597	164,437	173,477	181,800
Vocational rehabilitation	449,201	106,954	60,483	25,841	2,206	233
Medical and hospital services, U. S. Veterans' Bureau	105,697	29,619	33,033	31,198	31,555	30,167
Hospital facilities and services	3,560	9,215	3,895	4,511	4,599	5,222
Salaries and expenses, Veterans' Bureau	82,863	43,073	45,001	42,164	36,354	37,815
Soldiers' and sailors' civil relief claims	20	20				
Printing and binding		107	158	136	127	134
Increase of compensation	6,766	1,029	6	[1] *3*		
Administrative expenses adjusted compensation, 1924–25			809	26		
Adjusted service and dependent pay			2,038	5,626	9,960	10,153
Adjusted service certificate fund			4,607	15,355	14,408	35,254
All other			14	12	21	4
Disbursements from trust funds	315,934	7,503	9,869	9,868	11,764	17,628
Allotment trust fund	300,977	14	3	[1] *14*	[1] *100*	[1] *36*
United States Government life-insurance fund	14,890	7,482	8,962	9,882	11,864	17,664
Vocational rehabilitation gift fund	67	7	4			

[1] Credit. [2] $451,550,000 in premiums credited to this appropriation.

No. 167.—VETERANS' INSURANCE AND COMPENSATION: DEATH AND DISABILITY AWARDS

NOTE.—See general note, p. 159

	Total to June 30, 1928	Period or year ended June 30—					
		1917–1923	1924	1925	1926	1927	1928
Number of awards made during period or year:							
Compensation—							
Total original awards	546,619	446,115	15,262	28,881	26,780	15,429	14,152
Original death	77,950	57,576	2,011	4,995	9,175	2,303	1,890
Original disability	468,669	388,539	13,251	23,886	17,605	13,126	12,262
Disability change to death	25,322	7,230	2,939	3,356	4,913	3,514	3,370
Term insurance—							
Total original awards	172,585	157,588	3,669	3,996	4,346	1,991	995
Original death	140,432	135,838	998	1,166	1,254	688	488
Original disability	32,153	21,750	2,671	2,830	3,092	1,303	507
Disability changed to death	16,067	9,611	1,808	1,578	1,538	852	680
Converted insurance—							
Total original awards	12,787	3,256	1,346	1,464	1,850	1,957	2,914
Original death	8,242	2,395	842	970	1,014	1,199	1,822
Original disability	4,545	861	504	494	836	758	1,092
Disability changed to death	994	138	126	149	173	190	218
Number of awards active at end of period or year:							
Compensation	-------	238,395	237,147	277,602	305,177	326,450	343,170
Death	-------	55,305	58,110	65,958	78,693	82,830	85,634
Disability	-------	183,090	179,037	211,644	226,484	243,611	257,536
Term insurance	-------	146,403	149,857	153,331	154,881	146,047	144,081
Death	-------	139,177	141,754	143,823	144,057	135,005	133,107
Disability	-------	7,226	8,103	9,508	10,824	11,042	10,974
Converted insurance	-------	1,480	2,054	2,602	3,375	4,086	5,298
Death	-------	811	1,032	1,276	1,462	1,694	2,075
Disability	-------	669	1,022	1,326	1,913	2,392	3,223

No. 168.—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	58.50	------	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	40.04	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 167 and 168: United States Veterans' Bureau.

No. 169.—GOVERNMENT LIFE INSURANCE: AMOUNT IN FORCE AND PREMIUMS COLLECTED DIRECT BY VETERANS' BUREAU

NOTE.—See general note, p. 159. During the war premiums on term insurance were collected by the War and Navy Departments; more recently, direct by the Veterans' Bureau, except for those in service

	Insurance policies in force June 30						Premiums collected direct by 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
Amount (1,000 dollars):								
1921 [1]	2, 980, 660	567, 496	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, 358	1, 670, 787	1, 216, 064	81, 979	1, 134, 085	17, 401	30, 919
1224	1, 609, 031	129, 805	1, 479, 225	1, 375, 543	97, 956	1, 277, 587	14, 731	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

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

No. 170.—GOVERNMENT LIFE INSURANCE: CONVERTED INSURANCE ISSUED AND IN FORCE, BY PLAN

Plan	Issued to June 30, 1928					In force June 30, 1928	
	Number	Amount (1,000 dollars)	Average policy	Per cent of total		Number	Amount (1,000 dollars)
				Number	Amount		
Total	814, 853	3, 636, 868	$4, 463	100.00	100.00	660, 108	3, 111, 995
Ordinary life	167, 285	865, 792	5, 176	20.53	23.81	136, 010	734, 816
20-payment life	204, 271	870, 683	4, 262	25.07	23.94	160, 842	746, 944
30-payment life	32, 423	164, 576	5, 076	3.98	4.52	28, 746	147, 985
20-year endowment	210, 617	562, 042	2, 669	25.85	15.45	131, 615	394, 549
30-year endowment	42, 009	177, 451	4, 224	5.15	4.88	35, 411	151, 986
Endowment at age 62	39, 963	192, 979	4, 829	4.90	5.31	35, 031	171, 026
Convertible term	118, 285	803, 345	6, 791	14.52	22.09	104, 362	710, 970
Extended insurance	----------	----------	----------	----------	----------	19, 091	53, 719

No. 171.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN, MAY 31, 1919, TO JUNE 30, 1928

	Total to June 30, 1928	Year ended June 30, 1928		Total to June 30, 1928	Year ended June 30, 1928
Income, total	$397, 355, 940	$87, 097, 726	Disbursements—Contd.		
Premiums	324, 427, 083	69, 112, 854	Dividends	$19, 714, 258	$4, 671, 455
Interest on investments	38, 551, 773	9, 340, 566	Interest on dividend deposits	699	331
Repayments under sec. 406 as amended Aug. 9, 1921	28, 999, 142	7, 325, 845	Payments on matured endowment	39, 185	15, 325
Profit on sale of investments	3, 129, 389	493, 811	Balance, total	326, 611, 433	----------
Interest on loans	2, 202, 779	810, 654	Investment and interest	217, 210, 858	----------
Interest on premiums	45, 774	13, 996	Loans on adjusted service certificates	72, 608, 506	----------
Disbursements, total	70, 744, 507	17, 664, 330	Loans on policies	34, 645, 383	----------
Paid on claims	43, 663, 461	11, 619, 916	Cash on hand	2, 146, 686	----------
Paid on surrenders	7, 326, 904	1, 357, 303			

Source of Tables 169, 170, and 171: United States Veterans' Bureau.

No. 172.—VOCATIONAL REHABILITATION OF DISABLED VETERANS

NOTE.—See general note, p. 159

	July 1							
	1921	1922	1923	1924	1925	1926	1927	1928
Total number entered training to date	107,172	152,364	167,815	173,632	179,747	180,109	179,358	179,519
Number whose training has ceased to date	7,785	23,998	59,958	123,485	156,810	178,082	179,120	179,519
Discontinued	2,490	6,283	16,864	42,989	48,134	49,071	[1] 48,801	[1] 48,773
Deceased after induction	245	749	1,329	1,845	2,068	1,976	2,030	[1] 1,999
Rehabilitated (sec. 2)	4,459	15,321	38,043	70,936	97,215	116,512	117,636	118,355
Completed (sec. 3)	591	1,645	3,722	7,695	9,393	10,523	10,563	10,392
Number in training at date specified	85,388	102,108	80,359	45,347	21,803	[2] 2,027	185	-------
Institutions	(3)	57,805	39,700	15,492	5,303	757	127	-------
Placement	(3)	38,240	36,270	22,074	12,135	696	12	-------
Veterans' Bureau vocational schools	5,425	6,057	4,389	1,599	-------	-------	-------	-------
Project	-------	-------	-------	4,030	3,270	496	-------	-------
Correspondence courses	-------	-------	-------	2,078	1,030	65	44	-------
Tutorial	-------	-------	-------	74	65	1	2	-------
Number whose training had been interrupted	14,049	26,258	27,498	4,820	1,134	2,027	53	-------

[1] The apparent decrease is due to a recheck of data and elimination of duplication.
[2] Includes 12 not classified. Due to legislative provisions, all trainees were interrupted as of July 1, 1926.
[3] Not classified.

Source: United States Veterans' Bureau.

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

NOTE.—See general note, p. 159

Groups of hospitals	Capacity	Average daily patients, period of operation	Patients remaining at expiration of year				Personnel on duty at close of year	Operating expenses	Per diem cost
			Total	Tuberculosis	Neuropsychiatric	General			
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
1928									
U. S. marine hospitals	[2] 407	1,916	373	14	1	358	-------	-------	-------
U. S. Army hospitals	[2] 2,684	1,540	1,919	525	202	1,192	-------	-------	-------
U. S. Navy hospitals	[2] 2,720	1,752	1,647	69	169	1,409	-------	-------	-------
National soldiers' homes	[2] 2,243	259	1,582	582	662	338	-------	-------	-------
Interior Department (St. Elizabeths)	[2] 359	368	359	-------	359	-------	-------	-------	-------
Contract hospitals	-------	2,689	2,263	498	1,620	145	-------	-------	-------

[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, 1928

NOTE.—See general note, p. 159

Branch of service and claim	Number	Amount (1,000 dollars)
Grand total	3,508,549	3,408,644
Army, total	3,015,616	2,890,515
Cash (less than $50):		
Veterans	106,993	3,813
Dependents	4,972	136
Dependents (over $50) [1]	76,205	26,995
Certificates	2,827,446	2,858,457
$60 lump-sum payments		1,114
Navy, total	428,467	449,696
Cash (less than $50):		
Veterans	7,593	208
Dependents	377	9
Navy—Continued.		
Dependents (over $50) [1]	7,743	3,212
Certificates	412,754	446,191
$60 lump-sum payments		75
Marine Corps, total	64,466	68,432
Cash (less than $50):		
Veterans	430	14
Dependents	49	1
Dependents (over $50) [1]	2,120	858
Certificates	61,867	67,518
$60 lump-sum payments		40

[1] Payments to dependents of more than $50 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, and amended by act of July 1, 1926. Under these acts employees of the classified service with competitive status, most of the principal groups of unclassified laborers, postmasters appointed from the classified service, and certain other groups are eligible for retirement on annuity at the age of 70 (65 for letter carriers, post office and seaport clerks, laborers, and mechanics generally and 62 for railway postal clerks and persons engaged in tropical and hazardous occupations) if they have rendered 15 years of service. Provision is also made for retirement of employees in the service 15 years who, before reaching retirement age, become disabled. Annuities are computed by multiplying the average annual basic compensation, not to exceed $1,500, received during the last 10 years of service by the number of years of service, not to exceed 30, and dividing the product by 45. Employees within the scope of the act are required to contribute 3½ per cent (2½ prior to July 1, 1926) of their basic compensation to the retirement fund

	1927	1928
Net gain in annuitants added to the roll	1,595	1,264
Male	1,473	1,167
Female	122	97
Number dropped from roll	1,170	1,356
Number on the roll June 30	14,119	15,383
By sex:		
Male	12,904	14,071
Female	1,215	1,312
By cause of retirement:		
Age	11,353	12,173
Male	10,594	11,361
Female	759	812
Disability	2,766	3,210
Male	2,310	2,710
Female	456	500
By departments:		
State	8	6
Treasury	1,368	1,403
War	1,485	1,611
Justice	27	34
Post office	7,342	8,105
Navy	1,901	2,036
Interior	647	670
Agriculture	232	325
Commerce	140	157
Labor	77	82
District of Columbia	73	85
Government Printing Office	531	545
Superintendent of Public Buildings and Parks	59	66
U. S. Veterans' Bureau	32	46
General Accounting Office	137	133
Library of Congress	13	15
All others	47	64
Number on the roll June 30—Continued.		
By vocations:		
Mechanics	3,195	3,362
City and village letter carriers	2,414	2,698
Rural letter carriers	2,205	2,452
Post-office clerks	1,222	1,355
Railway mail clerks	1,132	1,191
Departmental and other	3,112	3,311
Classified laborers	805	899
Unclassified laborers		115
Tropical service and hazardous occupation	34	
By rates received:		
Less than $100	10	9
Between $100 and $200	106	116
Between $200 and $300	409	428
Between $300 and $400	831	854
Between $400 and $500	1,765	1,723
Between $500 and $600	1,560	1,590
Between $600 and $700	1,508	1,655
Between $700 and $800	1,528	1,761
Between $800 and $900	2,117	2,277
Between $900 and $999.96	1,545	1,668
The maximum, $999.96	2,740	3,302
Average annuity	$721	$734
Annual value, retirement roll	10,185,305	11,289,891
Civil service retirement and disability fund:		
Receipts	27,168,463	29,502,856
Disbursements, total	13,460,708	14,761,617
Annuities	9,598,286	10,990,454
Refunds	3,862,289	3,771,163
Balance in fund June 30	68,336,761	83,078,000
Administrative expense	75,977	75,982

Sources: Table 174, United States Veterans' Bureau; Table 175, 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	1918 (Nov. 11)	917, 760	642, 432
1821	8, 211	--------	1901	256, 000	100, 205	1920 (July 31)	691, 116	497, 603
1831	10, 800	--------	1903	301, 000	122, 000	1921 (July 31)	597, 482	448, 112
1841	23, 700	--------	1905	349, 000	171, 807	1922	560, 863	420, 388
1851	33, 300	--------	1907	306, 000	196, 918	1923	548, 531	411, 398
1861	49, 200	--------	1909	370, 000	234, 940	1924	554, 986	415, 593
1871	53, 900	--------	1911	370, 000	227, 657	1925	564, 718	423, 538
1881	107, 000	--------	1913	443, 605	282, 597	1926	560, 705	422, 300
1884 (Jan. 15)	--------	13, 780	1915	461, 993	292, 296	1927	559, 138	422, 998
1891	166, 000	33, 873	1916	438, 057	296, 926	1928	568, 715	431, 763

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, 1928				
	June 30, 1916	July 31, 1921	Dec. 31, 1926	Dec. 31, 1927	Total	In District of Columbia		Outside District of Columbia	
						Male	Female	Male	Female
Total	438, 057	597, 482	546, 341	554, 175	573, 107	37, 404	24, 736	455, 568	55, 399
Department of State	2, 763	3, 733	4, 270	4, 375	4, 482	305	293	2, 842	1, 042
Department of the Treasury	30, 629	73, 230	51, 519	51, 949	51, 855	6, 107	7, 749	31, 157	6, 842
Department of War	37, 695	68, 544	37, 076	38, 775	46, 044	2, 146	1, 822	38, 443	3, 633
Department of Justice	2, 610	3, 081	3, 671	3, 760	3, 931	570	245	2, 417	699
Post Office Department	250, 885	288, 575	[1] 308, 164	[1] 310, 161	[1] 312, 971	3, 178	864	282, 052	26, 877
Department of the Navy	35, 722	69, 749	42, 506	42, 971	48, 199	5, 731	1, 166	38, 964	2, 338
Department of the Interior	19, 347	19, 705	12, 201	13, 570	13, 511	2, 281	1, 309	7, 734	2, 187
Department of Agriculture	18, 736	19, 179	20, 624	21, 335	22, 478	2, 899	2, 036	15, 094	2, 449
Department of Commerce	9, 903	13, 046	14, 537	14, 937	15, 499	3, 059	1, 742	9, 892	806
Department of Labor	2, 504	3, 833	4, 041	4, 113	4, 267	332	341	2, 933	661
Government Printing Office	4, 028	4, 464	4, 142	4, 076	4, 191	3, 308	883	--------	--------
Smithsonian Institution	784	487	488	498	521	387	134	--------	--------
Interstate Com. Com'n	2, 243	1, 919	1, 856	1, 999	1, 996	1, 030	331	609	17
Civil Service Commission	250	385	444	510	491	148	210	72	61
Bureau of Efficiency	27	55	51	67	71	42	29	--------	--------
Federal Trade Commission	238	318	302	286	322	216	106	--------	--------
Shipping Board [2]	--------	6, 575	1, 551	1, 690	1, 594	470	334	633	157
Alien Property Custodian	--------	162	233	194	184	97	87	--------	--------
Tariff Commission	--------	99	231	205	235	135	89	9	2
Employees' Comp. Com'n	--------	79	68	85	174	39	74	22	39
Fed. Bd. for Voca'l Education	--------	6, 411	69	69	68	33	35	--------	--------
The Panama Canal	19, 291	9, 355	9, 690	10, 147	11, 019	61	14	10, 443	501
Public Buildings and Parks of the National Capital	217	1, 229	2, 274	2, 211	2, 300	1, 768	532	--------	--------
General Accounting Office	--------	1, 544	1, 984	1, 949	1, 960	1, 208	752	--------	--------
Veterans' Bureau	--------	--------	23, 587	23, 518	23, 927	1, 528	3, 270	12, 064	7, 065
Railroad Administration [3]	--------	1, 327	95	34	25	17	8	--------	--------
War Finance Corporation [3]	--------	([4])	106	65	31	13	5	8	5
National Advisory Committee for Aeronautics	--------	([4])	164	187	199	16	17	159	7
Federal Reserve Board [3]	([4])	([4])	204	202	186	83	84	19	--------
Board of Tax Appeals	--------	--------	109	154	153	69	84	--------	--------
Miscellaneous	165	322	84	83	223	119	91	2	11

	June 30, 1916	Nov. 11, 1918	July 31, 1921	Dec. 31, 1925	Dec. 31, 1926	Dec. 31, 1927	Dec. 31, 1928
Total	438, 057	[2] 917, 760	597, 482	548, 077	546, 341	554, 175	573, 107
In District of Columbia	39, 442	117, 760	78, 865	61, 509	59, 569	60, 660	62, 140
Outside District of Columbia	398, 615	[2] 800, 000	518, 617	486, 568	486, 772	493, 551	510, 967

[1] Does not include clerks at fourth-class offices (34,024 in 1928), who are employed and paid by the postmaster, and mail messengers (22,350 in 1928), 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.

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	1,400	11,693	7,338	3,914	932
1895	48,317	31,036	19,811	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
1906	184,178	117,277	91,345	77.9	39,050	42.7	89,202	48,302	37,918	17,121	13,456	6,620	4,481	2,173	81,520	62,355	48,946	19,756
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	234,940	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	35,154	37.2	161,846	59,131	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	[5] 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	[5] 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	166,376	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	9,349	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	204,200	122,918	60.2	57,694	46.9	212,078	61,122	40,583	22,286	22,052	23,642	12,512	998	177,268	119,436	69,823	34,410
1924	415,593	222,915	133,506	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	226,801	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
Total from July 16, 1883		5,834,879	3,879,753	66.5	1,644,023	42.4		1,953,934	1,307,749	533,230		327,385	203,065	59,171		3,553,560	2,368,939	1,051,622

[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 have 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] 229,159
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				215,833
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	106,648	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			[5] 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			708,999
Utah	94,618	80,985	954			176,604
Vermont	90,404	44,440			338	135,191
Virginia	164,609	140,146	430			305,358
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		14
Idaho	3			4			4	4		4		4	
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	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 Dakota											[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.