CLIMATOLOGICAL DATA FOR JUNE, 1912.

DISTRICT No. 12, COLUMBIA VALLEY.

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GENERAL SUMMARY.

During the fore part of the month the weather was warm and dry, but during the latter part it was abnormally cloudy, cool, and moist west of the Cascade Mountains, while in the eastern part of the district the rainfall also was generally in excess of the normal. The greater part of the precipitation over the district as a whole occurred in the period from the 8th to the 15th, and during that period many severe local storms were experienced east of the Cascade Mountains. In some cases these attained the proportions of cloudbursts, a flood descending Cowles Canyon, northern Crook County, Oreg., on the 8th, and doing much damage to grain fields in its path. On the same date a cloudburst occurred in the vicinity of Christmas Lake, Lake County, Oreg., the observer reporting an inch of rain and 3 inches of hail. A heavy rain and hail storm also occurred on this date in Pocatello, Idaho, 0.76 inch of rain falling within one hour's time, preceded by a heavy fall of hail. A wind storm of unusual force occurred on the afternoon of the 20th, extending from Umatilla County, Oreg., northeastward into northern and western Idaho. The wind at Lewiston attained a velocity of 75 miles per hour, which is the highest wind velocity ever recorded in Idaho. The storm was practically without rain, and the dust remained in the air for several days after its occurrence. A number of other extreme weather conditions occurred in the district besides those cited, but notwithstanding the month was favorable for agriculture. The late rains, although damaging hay in many places, benefited a larger area than they worked injury to. Some damage, however, was done small fruits, especially cherries, which cracked badly. Corn and potatoes on bottom lands in northeastern Washington were injured a little by frost. Thunderstorms occurred with more than the usual frequency in western Washington and western Oregon; about the usual number were reported from the eastern part of the district. Transportation proceeded without material interruption, and all construction work as well. All streams were falling at the close of the month, but there is indication of an ample supply of water for the irrigation season.

TEMPERATURE.

June was a moderately warm month over the entire district. In the upper Columbia Basin there were only two short periods with the temperature below normal. In Idaho temperatures were variable, but taken as a whole were in excess of the normal. In that State and in Oregon mean temperatures presented the highest State-wide average for the same month since June, 1903. In Washington temperatures were decidedly above normal in the eastern section and slightly below in the western. The mean temperature for the district as determined from the records of 270 stations was 61.7°, or 1.3° above the normal. The highest maximum temperature was 110° at Hanford, Wash., on the 25th, and the lowest minimum was 23° at Cliff, Oreg., on the 15th, and at Wamic, Oreg., on the 25th. The highest monthly mean temperature was 72.8° at Kennewick and Trinidad, Wash. and the lowest was 51.1° at Snake River, Wyo.

PRECIPITATION.

In most districts there were three rainy periods during the month. The one in which rainfall was most general and copious extended from the 11th to 15th. The weather was showery in a number of places on the 8th and at intervals during the last decade. In the upper Columbia Valley the total amounts for the month were below the normal, but in Oregon, Washington, and southern Idaho they were generally in excess of the normal. In southwestern Idaho heavy local rains fell in many places on the 12th. The average precipitation as determined from the records of 374 stations was 1.85 inches, or 0.52 inch above the normal. The largest 24-hour rainfall was 2.38 inches at Harbor, Oreg., on the 12th. The largest monthly amount was 5.76 inches at Quiniault, Wash., and the least 0.14 inch at Lost Creek, Wash.

SEVERE LOCAL STORM AT POCATELLO, IDAHO.

A. R. TEEPLE, Assistant Observer.

On the afternoon of June 8, at Pocatello, Idaho, a heavy rain and hail storm began at 4.08 p. m. and ended at 6.35 p. m., during which time 0.86 of an inch of rain fell. Of this amount, 0.76 of an inch fell in one hour, from 4.50 p. m. to 5.50 p. m., which is the greatest hourly amount recorded since the establishment of the station, except on August 6, 1907, when 0.77 of an inch was recorded. Very heavy hail fell from 4.10 to 4.22 p. m. and from 4.50 to 5.18 p. m., the hailstones measuring from one-half to three-fourths of an inch in diameter. During the storm the wind reached a velocity of 37 miles per hour from the west. While the storm did some damage, the rain was of great benefit to the growing crops.

THE RIVERS.

The crest of the annual rise in the Columbia River reached The Dalles on the 1st of the month, and Cascade Locks and Vancouver on the 2d. The highest water at The Dalles was 33.2 feet. The fall in the Columbia was gradual and at the close of the month the stages averaged from 2 to 5 feet lower than at the beginning of the month. Its stages averaged slightly below normal, and the average for the month was 5 feet above those for May.

The Willamette River averaged 1.2 feet above normal. The highest stage at Portland was 19.7 feet on the 2d, at Salem 5.9 feet on the 1st, and at Eugene 7.7 feet on the 14th. The lowest stage at Portland was 17 feet on the 30th, being 2 feet above flood stage; at Salem 3.1 feet on the 12th, 13th, and 30th, and at Eugene 4.9 feet on the 30th.

The Snake River averaged about 2 feet above normal. The highest stage at Lewiston was 17 on the 10th and at Weiser 12.5 feet on the 15th. The lowest stage at Lewiston was 10.3 feet on the 30th and at Weiser 8 feet on the 28th.

MISCELLANEOUS PHENOMENA.

Thunderstorms were of frequent occurrence east of the Cascade Mountains from the 7th to the 9th, and from the 12th to the 14th. These storms, especially in central and eastern Oregon, and in southern Idaho, were accompanied by brilliant electrical displays, heavy falls of hail, and excessive precipitation. On the 19th and 20th thunderstorms of less severity occurred in the Puget Sound basin and in the lower Columbia River Valley. From the 24th to the 30th thunderstorms were general throughout the district. A wind and dust storm of unusual severity and magnitude swept the interior plateau from the Cascades to the Rocky Mountains on the 20th. At Lewiston the maximum wind velocity during the storm was 75 miles from the west, and at Spokane and Walla Walla maximum velocities of 48 and 52 miles, respectively, from the southwest were recorded. Fog formed at North Head on 4 dates, and at Tatoosh Island on 10 dates. Light frosts were general at the higher elevations about the middle and during the latter part of the month, but little damage was done.

TABLE 1.—*Climatological data for June, 1912. District No. 12, Columbia Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, 0.01 inch or more.	Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Montana.																				
Anaconda	Deer Lodge	5,300	10	58.3	+ 3.1	89	26	34	15	38	0.46	− 2.05	0.12	0	7	5	24	1	.....	C. D. Demond.
Butte	Silver Bow	5,716	17	60.4	+ 4.4	89	26	34	16	37	0.93	− 0.99	0.38	T.	5	11	12	7	nw.	J. R. Wharton.
Columbia Falls	Flathead	3,100	16	60.6	+ 3.4	98	26	27	4†	49	2.79	− 0.31	0.70	0	11	16	6	8	se.	J. M. Grist.
Como	Ravalli	3,700	3	61.8	.....	93	20†	36	3	41	0.82	.....	0.30	0	6	15	8	7	.....	Hiram Platte.
Dayton	Flathead	.....	7	60.8	+ 2.0	92	20	37	3	43	1.12	− 1.25	0.80	0	4	20[a]	4[a]	5[a]	.....	A. J. Ruechell.
East Anaconda	Deer Lodge	5,500	6	59.6	.....	88	25†	33	15	35	1.10	.....	.....	0	9	5	24	1	sw.	C. D. Demond.
Fortine	Lincoln	2,975	6	59.8	.....	97	24	29	3	55	2.18	.....	0.45	0	10	11	12	7	sw.	Mike Petery.
Hamilton	Ravalli	3,575	9	62.6	.....	92	24†	40	3	40	0.55	− 1.31	0.21	0	6	17	8	5	n.	Hamilton Chamber of Com.
Hat Creek	Powell	6,000	.....	.....	.....	.....	.....	.....	.....	.....	2.58	.....	0.70	0	13	2	20	8	w.	M. K. Landreth.
Haugan	Missoula	3,150	.....	59.0	.....	97	24	28	3	59	1.12	.....	0.68	0	3	22	5	3	sw.	U. S. Forest Service.
Heron	Sanders	2,261	.....	62.1	.....	97	24	31	3	49	2.04	.....	0.60	0	9	20	3	7	sw.	E. Knott.
Kalispell	Flathead	2,965	13	61.4	+ 2.6	92	26	36	4	41	2.59	+ 0.85	1.38	0	9	15	10	5	w.	U. S. Weather Bureau.
Libby	Lincoln	2,055	2	60.9	.....	99	24†	29	4	56	1.39	.....	0.63	0	6	16	10	4	.....	U. S. Forest Service.
Lost Creek	Deer Lodge	5,200	2	.....	.....	.....	.....	.....	.....	.....	0.40	.....	0.20	0	3	13	12	5	sw.	Frank Henault.
Missoula	Missoula	3,225	32	62.4	+ 2.4	97	24†	33	4	46	1.78	− 0.50	0.53	0	9	.....	.....	.....	.....	U. S. Weather Bureau.
Ophir	Powell	6,800	3	.....	.....	.....	.....	.....	.....	.....	1.76	.....	0.35	0	10	14	13	3	w.	E. S. Wilton.
Ovando	....do	4,207	12	57.8	+ 3.6	94	26	29	4	47	1.45	− 0.99	0.30	0	12	0	30	0	w.	S. B. Muchmore.
Phillipsburg	Granite	5,275	8	59.2[g]	.....	95	24	32	17	48[g]	1.34	.....	0.35	0	7	16[g]	2[g]	5[g]	sw.	G. T. Bramble.
Plains	Sanders	2,475	13	61.8	+ 3.6	96	24	32	3	44	1.20	− 0.49	1.20	0	1	17	0	13	sw.	M. H. Pierce.
Pleasant Valley	Flathead	3,500	4	58.5	.....	94	26	26	4	52	1.56	.....	0.70	0	10	2	14	14	.....	A. D. Stillman.
Polson	....do	2,920	4	62.1	.....	91	24	40	14†	42	2.02	.....	0.91	0	4	.....	.....	.....	.....	F. P. Brown.
Saint Ignatius	Missoula	2,700	6	61.8	.....	96	26	35	4	48	1.83	.....	0.52	0	9	15	6	9	w.	U. S. Reclamation Service.
Saltese	....do	3,600	7	.....	.....	.....	.....	.....	.....	.....	1.31	.....	0.67	0	3	23	0	7	w.	E. K. Tarbox.
Stevensville	Ravalli	.....	.....	60.8	.....	93	24†	36	3†	43	1.20	.....	0.41	0	8	18	7	5	s.	University Orchard Co.
Thompson Falls	Sanders	2,462	.....	63.4	.....	98	24†	33	3	46	1.25	.....	0.66	0	8	19	8	3	w.	U. S. Forest Service.
Willow Glen Stk. Farm	Deer Lodge	5,064	1	58.2	.....	88	24	34	4	44	1.20	.....	1.00	0	2	13[b]	6[b]	9[b]	se.	G. E. Luce.
Wyoming.																				
Afton	Uinta	6,200	8	.....	.....	87	28†	.....	.....	.....	1.36	+ 0.13	0.65	2.0	6	21	2	7	.....	A. V. Call.
Alta	....do	7,000	2	53.6	.....	80	23	26	17	42	2.22	.....	0.45	5.0	11	10	14	16	sw.	Mrs. Lucy Brown.
Bechler River	Yellowstone Park.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Army.
Bedford	Uinta	5,900	12	53.8	+ 0.7	81	6	27	15†	44	1.84	+ 0.20	0.90	0	9	24	3	3	w.	C. G. Heiner.
Moran	....do	.....	.....	51.6	.....	79	21	25	17	45	1.72	.....	0.42	0	10	3	17	10	.....	U. S. Reclamation Service.
Snake River	Yellowstone Park.	7,000	6	51.1	.....	83	24	25	17	46	2.67	.....	0.80	3.0	11	9	10	11	w.	U. S. Army.
Nevada.																				
San Jacinto	Elko	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mose Jones.
Utah.																				
Standrod	Boxelder	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. B. Jones.
Idaho.																				
Albion	..Cassia	4,650	10	59.0[b]	− 1.1	90[b]	26	27[b]	13	50	.....	.....	.....	0	.....	.....	.....	.....	w.	C. E. Bocock.
Almo	....do	.....	3	.....	.....	.....	.....	.....	.....	.....	1.97	.....	1.30	0	6	18	6	6	.....	Wm. D. Cahoon.
American Falls	Oneida	4,341	21	.....	.....	97	27	.....	.....	.....	2.05	+ 1.03	1.02	0	8	17	12	1	ne.	Geo. Stoll.
Arrow Rock	Boise	3,100	.....	68.4	.....	101	26	35	15	45	1.27	.....	0.77	0	4	22	6	2	e.	U. S. Reclamation Service.
Blackfoot	Bingham	4,503	16	60.7	− 1.4	89	24	34[a]	15†	46[a]	0.92	+ 0.08	0.41	0	6	17	11	2	sw.	E. A. Dowd.
Blackfoot Dam	Bannock	6,200	3	55.5	.....	82	24	27	15	42	2.47	.....	0.90	0	9	15	3	12	s.	S. C. Waddell
Bogus Creek	Boise	4,200	4	.....	.....	.....	.....	.....	.....	.....	2.74	.....	1.53	0	7	12	18	0	.....	F. P. Ingraham.
Boise	Ada	2,739	27	66.6	+ 0.6	95	26	38	15	35	0.86	− 0.02	0.53	0	6	12	10	8	nw.	U. S. Weather Bureau.
Bonners Ferry	Bonner	1,850	5	61.5	.....	95	23†	31	3	48	3.33	.....	0.94	0	7	17	7	6	sw.	W. H. Heideman.
Boulder Mine	Boise	4,800	3	.....	.....	.....	.....	.....	.....	.....	2.77	.....	0.77	0	7	22	2	6	.....	Patrick Moriarty.
Buhl	Twin Falls	3,800	5	63.7	.....	94	26	38	15†	42	0.90	.....	0.27	0	7	15	15	0	w.	S. C. Orr.
Caldwell	Canyon	2,372	8	66.3	.....	98	26	39	15	43	1.77	.....	1.29	0	7	11	17	2	w.	Wm. J. Boone.
Caldwell Exp. Station	....do	.....	.....	65.2	.....	98	26	38	15	46	1.38	.....	0.60	0	7	.....	.....	.....	.....	C. B. Hampson.
Camas	Fremont	4,815	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Ednah Faulkner.
Cambridge	Washington	2,651	16	65.2[b]	+ 1.5	97[b]	26	39[b]	1	47[b]	1.10	+ 0.09	0.32	0	6	14	9	7	w.	C. H. Shepherd.
Cedar Creek Dam	Twin Falls	5,220	2	.....	.....	.....	.....	.....	.....	.....	1.99	.....	0.37	0	12	14	11	5	w.	Robert Hoffman.
Chesterfield	Bannock	5,424	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. S. West.
Clarks Fork	Bonner	2,084	.....	62.2	.....	93	24	36	3	38	2.37	.....	0.93	0	8	19	9	2	.....	Wm. Potter.
Clyde	Custer	6,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. L. Sutcliffe.
Council	Adams	3,059	.....	65.8	.....	97	26	37	15	39	1.27	.....	0.65	0	5	17	8	5	.....	F. L. Featherston.
Culdesac	Nez Perce	1,520	4	65.0	.....	102	26	37	14	46	1.24	.....	0.90	0	3	18	2	10	.....	R. R. Richmond
Deary	Latah	2,854	.....	57.7[i]	.....	92[f]	20	33[f]	4	43[f]	.....	.....	.....	0	.....	.....	.....	.....	sw.	W. J. Davis.
Dent	Clearwater	1,350	6	65.0	.....	103	24†	36	4	55	1.05	.....	0.37	0	5	17	12	1	.....	Emil Schuessler.
Driggs	Fremont	6,097	5	55.4	.....	84	26	26	17	46	3.39	.....	1.00	3.0	8	11	10	9	sw.	W. H. Durrant.
Emmett	Canyon	2,350	5	67.4	.....	97	27	37	15	45	1.14	.....	0.42	0	8	15	11	4	s.	U. S. Forest Service.
Forney	Lemhi	6,000	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. B. Merritt.
Garden Valley	Boise	3,600	4	.....	.....	.....	.....	.....	.....	.....	1.12	.....	0.49	0	3	17	13	0	.....	Mrs. Gertrude M. Ross.
Garnet	Elmore	2,575	13	71.4	+ 1.5	102	26	41	15	43	0.40	− 0.38	0.40	0	1	17	4	9	.....	A. A. Kenison.
Glenns Ferry	....do	2,569	4	68.4	.....	103	20†	38	17	52	0.68	.....	0.30	0	3	23	5	2	.....	I. E. Perkins
Gooding	Lincoln	3,572	3	64.6	.....	95	26	35	16	50	0.67	.....	0.35	0	3	20	7	3	w.	John Krall, jr.
Grand Forks	Shoshone	3,000	3	57.5	.....	95	26	29	4	50	1.34	.....	0.42	0	10	17	3	10	sw.	F. W. Beier.
Grandview	Owyhee	.....	3	.....	.....	93	22†	.....	.....	.....	0.68	.....	0.48	0	7	17	7	6	nw.	N. G. Massey.
Grimes Pass	Boise	5,200	3	.....	.....	.....	.....	.....	.....	.....	1.81	.....	0.72	0	9	.....	.....	.....	.....	Jos. M. Clarke.
Guffey	Owyhee	2,381	4	70.4	.....	99[a]	26	45	1†	42[a]	1.40	.....	0.40	0	8	21	8	1	e.	Fred Perry.
Hailey	Blaine	5,347	10	61.6[d]	+ 2.1	91	24	31[g]	15	44[g]	1.00	+ 0.43	0.42	0	4	11	17	2	sw.	U. S. Forest Service.
Hollister	Twin Falls	4,550	.....	62.2	.....	92	26	33	15	44	1.43	.....	0.31	0	7	13	14	3	w.	J. W. Bouten.
Hotspring	Owyhee	2,752	7	67.8	.....	96	20†	36	15	44	0.94	.....	0.42	0	4	13	14	3	.....	J. M. Waterhouse.
Idaho Falls	Bonneville	4,742	17	62.0	+ 2.8	91	24	33	16	44	0.89	− 0.46	0.48	0.5	8	20	3	7	.....	Dr. T. M. Bridges.
Indian Valley	Adams	2,999	3	.....	.....	.....	.....	.....	.....	.....	1.62	.....	0.58	0	7	23	2	5	n.	A. M. Henke.
Irwin	Bonneville	6,500	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Eva Johnston.
Kellogg	Shoshone	2,305	8	61.3	.....	98	26	33	4	46	2.64	.....	0.77	0	7	14	0	16	.....	W. McM. Huff.
Kirkham	Boise	4,200	3	.....	.....	.....	.....	.....	.....	.....	1.63	.....	0.61	0	5	20	10	0	w.	Mrs. Josie B. West.
Kooskia	Idaho	1,261	4	65.4	.....	103	26	38	3	48	1.75	.....	0.98	0	5	16	7	7	.....	U. S. Forest Service.
Lakeview	Bonner	2,250	15	62.4	+ 3.1	89	26	37	3	40	1.70	− 0.17	0.62	0	7	17	3	10	sw.	E. D. Faust.
Landore	Adams	5,300	8	55.2	.....	84	26	31	3	41	2.38	.....	0.60	0	11	13	13	4	.....	Mrs. Emma L. Brown.
Leadore	Lemhi	.....	.....	57.9[g]	.....	85[g]	25†	31[g]	28	51[g]	1.10	.....	0.42	T.	8	.....	.....	.....	se.	Jos. Balluff.
Lewiston	Nez Perce	757	12	68.6	− 0.5	103	26	44	3	40	0.43	− 0.61	0.29	0	6	11	7	12	e.	U. S. Weather Bureau.
Little Camas	Elmore	5,000	3	.....	.....	.....	.....	.....	.....	.....	1.04	.....	0.88	T.	2	4	20	6	w.	Solon McCoy.
Loon Creek	Custer	6,000	3	54.2	.....	86	26	27	3†	52	0.80	.....	0.20	T.	8	12	8	10	sw.	Mrs. Mary Williams.
Mackay	....do	5,897	5	58.8	.....	91	18	33	14†	51	0.30	.....	0.25	0	3	20	9	1	nw.	U. S. Forest Service.
Meridian	Ada	2,657	2	66.4	.....	98	26	38	15	43	1.64	.....	0.55	0	6	16	8	6	nw.	A. W. Garrett.
Mesa	Adams	3,275	2	.....	.....	.....	.....	36[e]	1†	.....	.....	.....	.....	0	.....	.....	.....	.....	n.	I. S. Carter.
Middle Fork	Idaho	1,397	2	65.3	.....	101	26	38	3	43	1.94	.....	0.81	0	5	19	6	5	.....	Jos. McGhee.

TABLE 1.—*Climatological data for June, 1912. District No. 12*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Idaho—Continued.																				
Milner	Twin Falls	4,110	8	63.9		95	26	34	16	45	0.49		0.18	0	8	18	9	3	w.	J. K. Young.
Moscow	Latah	2,748	20	61.5	− 1.4	95	27	34	28	45	0.75	− 0.58	0.43	0	5	17	4	9	e.	University of Idaho.
Mountainhome	Elmore	3,150	7	64.9		94	20†	35	1†	50	0.61		0.45	0	3	13	14	3		Mrs. Ellen Manion.
Murtaugh	Twin Falls		6	60.0[e]		88[e]	20	35[e]	15	45[e]	0.43		0.23	0	3				w.	J. E. Steinour.
New Meadows	Adams	3,950	8																	E. G. Dunn.
Nezperce	Lewis	3,082	3	61.6		95	23†	27	3	49	1.43		0.64	0	6					P. Mitchell.
Oakley	Cassia	4,700	19	62.8	+ 0.4	90	28	30	16	44	0.91	− 0.01	0.20	0	10	13	17	0		John Adams.
O'Hara Bar	Idaho	1,557	2	64.6[e]		95	21†	37	6	49				0						J. D. Agnew.
Orofino	Clearwater	1,027	8	65.2		103	26	37	3†	48	1.77		0.80	0	6	13	16	1		Geo. Alteneder.
Payette	Canyon	2,159	22	66.4	+ 0.4	99	26	36	15	57	0.59	− 0.09	0.40	0	5	15	6	9	s.	E. F. Allen.
Pebble	Bannock	5,277	3																	A. McQueen.
Pierson	Custer	7,000	2	54.3		78	12	25	3	47	1.24		0.49	0	3	11	5	14	s.	D. P. Clarke.
Pleasant Valley	Ada	3,000	5	64.1		98	26	33	15	47	0.92		0.47	0	5	21	8	1	nw.	C. E. Friedrich.
Pocatello	Bannock	4,483	13	63.4	− 0.8	90	24	38	15	37	1.99	+ 1.00	1.09	T.	9	12	9	9	se.	U. S. Weather Bureau.
Pocatello Nursery	do	5,396	5	57.8[b]		88[b]	24	29[b]	15†	45[b]	1.88		0.68	0	8	14	12	4	sw.	Mrs. Fannie E. Say.
Poplar	Bonneville	5,500	2	59.5		87	25	30	17	43	1.74		0.64	T.	5	12	16	2	sw.	C. M. Lawrence.
Porthill	Bonner	1,665	23	62.6	+ 3.0	93	24	35	3	43	2.14	+ 0.42	0.81	0	8	18	7	5		H. A. French.
Priest River Experiment Station No. 1.	do	3,300		61.4		95	26	34	3	40	2.07		0.54	0	8	12	7	11	s.	D. R. Brewster.
Priest River Experiment Station No. 2.	do	3,450		62.3		96	26	33	3	43	2.02		0.56	0	8	12	7	11	sw.	Do.
Priest River Experiment Station No. 3.	do	3,000		60.6		97	26	26	3	51	2.14		0.60	0	8	12	7	11	s.	Do.
Pyle Creek	Boise	3,100	3								1.07		0.30	0	8	17	7	6	s.	P. V. Smith.
Richfield	Lincoln	4,306	3	62.6		92	26	32	15	47	1.52		0.82	0	4	19	10	1	sw.	Idaho Irrigation Co.
Roseberry	Boise	4,872	1	55.2		83	26	29	15	42	1.81		0.92	0.5	8	14	12	4	n.	Dr. Wallace Johnson.
Roseworth	Twin Falls	4,650									1.16		0.54	0	6	4	25	1		D. B. Hartwell.
Rupert	Lincoln	4,204	6	63.5		90	24†	34	15	42	0.30		0.15	0	4	20	7	3	sw.	Will Parry.
St. Anthony	Fremont	4,968		61.4		89	24†	34	15	46	1.70		0.47	T.	7	25	0	5	sw.	Chas. F. Ludlow.
St. Maries	Kootenai	2,263	15	64.2	+ 3.9	98	26	38	3	43	1.46	− 0.28	0.41	0	7	11	8	11	nw.	J. S. Turnbull.
Salmon	Lemhi	4,040	7	63.2		92	26	39	2	45	0.80		0.50	0	6	22	8	0	w.	B. C. d'Easum.
Sandpoint	Bonner	2,086	2	60.7		94	24	30	3	46	1.54		0.68	0	7	19	2	9	s.	J. H. Edgerton.
Sheep Hill	Boise	5,000	3								1.29		0.71	0	7					C. M. Gardner.
Shoshone	Lincoln	3,968	4	61.2[g]		88[g]	20†	34[g]	16	42[g]	0.45		0.15	0	4				w.	Zell Truman.
Silver City	Owyhee	6,280	5								1.71		0.46	T.	7	18	11	1	sw.	A. D. Bradfield.
Smith Prairie	Elmore	5,200	3																	Wm. W. Newell.
Soldier Creek	Blaine	5,755	2	56.6[b]		82[b]	24†	26[b]	15	40[b]	1.21		0.58	T.	7				nw.	J. E. Minear.
Spirit Lake	Kootenai	2,560	2	61.6		96	24†	30	3	49	1.73		0.42	0	8	22	5	3	ne.	M. C. Krause.
Springfield	Bingham	4,420	4	61.8		93	26	33	16†	48	0.58		0.40	0	5	14	12	4	sw.	Mrs. W. A. Edwards.
Sugar	Fremont	4,892	5	61.0		88	24	34	17	44	1.06		0.44	0	5	18	2	10	sw.	Utah-Idaho Sugar Co.
Sunnyside	Elmore	3,500	3	62.0		94	20†	28	13	49	0.86		0.85	0	2				nw.	Col. M. W. Wood.
Tripod Mountain	Boise	4,300	3								2.87		1.20	0	7	18	7	5		Mrs. Verna Paddock.
Twin Falls	Twin Falls	3,825	7	63.9		93	26	36	15	49	0.46		0.23	0	3	9	19	2	s.	J. A. Waters.
Vernon	Fremont	5,050	14	57.4	+ 0.6	86	24	32	17	38	2.48	+ 1.07	0.63	0	8	17	12	1	sw.	A. M. Slatery.
Wallace	Shoshone	2,728	5	61.0		98	26	33	3	46	1.96		0.68	0	8				w.	U. S. Weather Bureau.
Weiser	Washington	2,114		69.2		102	26	39	15	49	0.84		0.25	0	5	13	6	11	w.	J. W. Lapish.
Wendell	Lincoln	3,400	4	65.4		99	26	36	1†	50	0.86		0.72	0	2	12	18	0	w.	Chas. L. Dingler.
Washington.																				
Aberdeen	Chehalis	162	21	56.4	− 0.2	91	6	36	3	36	3.61	− 0.01	1.03	0	10	5	24	1	w.	C. S. Weatherwax.
Anacortes	Skagit	60	18	58.0		81	18	42	26†	32	1.49	+ 0.12	0.45	0	9	10	17	3		Douglass Allmond.
Baker	do	390	6	61.0		96	18	37	3	45	2.42		0.58	0	8	17	1	12		R. M. White.
Bellingham	Whatcom	60	17	60.2	+ 1.9	84	18	39	3	40	1.50	− 0.22	0.65	0	8	21	6	3		S. B. Mayhew.
Bellingham (near)	do	107	1	58.8		82	18	38	3	40	1.60		0.39	0	8	18	2	10	s.	U. S. Bureau Plant Industry.
Blaine	do	57	15	58.2	+ 0.5	81	18	35	3	39	2.05	− 0.33	0.45	0	9	12	13	5	sw.	John W. Sheets.
Blewett	Chelan	2,200	3																	
Bremerton	Kitsap	40	10								1.75		0.50	0	9					U. S. Navy Yard.
Brewster	Okanogan	1,620	2	67.0		99	24	43	3	36	0.92		0.41	0	5	17	8	5	sw.	Mrs. H. F. Bertram.
Bumping Lake	Yakima	3,400	1	54.6		89	25	31	4	46	0.16		0.06	0	5	19	2	9		U. S. Reclamation Service.
Cedar River	King	535	5								4.16		1.48	0	8	14	4	12		Geo. Landsburg.
Centralia	Lewis	212	19	60.1	+ 0.6	93	18	35	3	50	3.18	+ 0.88	1.64	0	9	12	11	7	w.	I. S. Turner.
Cheney	Spokane	2,351	13																	
Cle Elum	Kittitas	1,930	13	58.8	+ 2.7	97	25	35	3	50	1.45	+ 0.47	0.41	0	5	20	4	6	nw.	J. A. Balmer.
Clearbrook	Whatcom	140	9	57.9		94	18	31	3	48	2.52		0.53	0	8	10	14	6	s.	George Gibbs.
Colfax	Whitman	2,300	23	63.0	+ 4.1	97	24	32	3	55	1.31	+ 0.27	0.45	0	5	20	5	5	s.	I. B. Doolittle.
Colville	Stevens	1,635	12	64.2	+ 2.0	100	25	32	2	52	1.37	− 0.14	0.38	0	5	16	5	9	sw.	W. L. Sax.
Colville Forest Station	Ferry			63.2[h]		96[h]	25	34[h]	29	45						17	0	13	s.	U. S. Forest Service.
Conconully	Okanogan	2,300	12	64.3	+ 4.7	95	25	35	3	40	1.10	− 0.44	0.49	0	6	17	6	7		Wm. Baines.
Cowiche	Yakima	1,974	1	66.0		96	25	42	14†	37	0.92		0.49	0	4	19	8	3	nw.	U. S. Reclamation Service.
Crescent	Lincoln	2,250	12																	
Darrington	Snohomish	567																		
Davenport	Lincoln	2,450	3	62.0[b]		96[a]	25	34[b]	29	40[b]	0.56		0.16	0	4	25	2	3	sw.	J. L. Thayer.
Dayton	Columbia	1,700	26	65.0	+ 2.7	97	25	38	3†	38	0.93	− 0.26	0.25	0	7	12	17	1	sw.	W. W. Hendron.
Deer Park	Spokane	2,050	1	61.6		98	24	31	3	48	1.02		0.31	0	8	22	5	3	sw.	Robt. Allison, jr.
Detroit	Mason	30	4	60.4		89	18	39	2†	43	2.25		0.51	0	10	13	8	9	s.	Walter O. Eckert.
Dixie	Walla Walla	5,000	3								2.00		0.67	0	8	12	8	10	sw.	T. Z. Andrews.
Douglas Lake	Skagit										1.37		0.36	0	10					Michael Pecovitch.
Dryden	Chelan	960	2								1.31		0.95	0	3	22	5	3	nw.	Wenatchee Valley Gas & Electric Co.
Duckabush	Jefferson	380	4																	
Ellensburg	Kittitas	1,571	24	63.0	+ 2.7	98	25	40	4†	50	0.86	+ 0.18	0.60	0	4	24	2	4	nw.	R. Lee Barnes.
Ephrata	Grant	1,265	9	68.8		103	20†	40	1	47						24	3	3		T. J. Cook.
Forks	Clallam	480	2																	
Fort Simcoe	Yakima	1,427	18	64.8[g]	+ 0.2	99[g]	25	33[g]	15†	58[g]	0.34	− 0.16	0.30	0	3	11[b]	1[h]	10[b]		Dr. G. W. Wimberly.
Gerome	Stevens	1,200		67.1		95	19†	37	3	47	0.74		0.40	0	5	19	4	7	sw.	J. H. C. Scurlock.
Goat Lake	Snohomish	2,900	3								2.37		1.20	0	3					C. M. Mackintosh.
Gold Basin	do	1,360	1																	
Gold Creek	Yakima	2,600	3								1.30		0.50	0	3	15	9	6	nw.	John W. Anderson.
Goldendale	Klickitat	1,600	6	63.1		95	19	36	15	44	0.65	+ 0.26	0.19	0	5	7	22	1	w.	Klickatat Co. Abstract Co.
Granite Falls	Snohomish	397	9								5.14			0	9	13	8	9	nw.	C. H. Cleaver.
Grays River	Wahkiakum																			
Guler	Klickitat	2,200	2																	
Hanford	Benton			71.1		110	25	44	3†	54	0.22		0.18	0	3	11	14	5	se.	Francis Lee Bash.
Hatton	Adams	1,100	7	67.4		104	25	36	3	48	0.22		0.14	0	4	15	5	10	sw.	Dr. A. V. Marion.
Huntsville	Columbia	1,400	4								0.93		0.46	0	4					Mrs. S. J. Hill.
Irene Mountain	Okanogan	270	3								1.93		0.64	0	8	9	13	8	sw.	Mrs. Manda S. Shain.

TABLE 1.—*Climatological data for June, 1912. District No. 12*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Washington—Contd.																				
Kennewick	Benton	368	17	72.8	+ 3.7	108	25	43	2	46	0.51	+ 0.23	0.21	0	5	16	6	8	.....	R. E. Reed.
Kent	King	.....	.....	60.6	.....	91	18	35	3	43	2.58	.....	0.50	0	10	12	7	11	n.	A. O. Jeffries.
Kettle Falls	Stevens	1,265	3	66.3	.....	102	24	36	3	48	0.63	.....	0.33	0	6	17	9	4	.....	H. H. Cole.
Kiona	Benton	430	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kosmos	Lewis	775	6	60.5	.....	93	6†	35	3	49	3.69	.....	0.74	0	9	7	21	2	ne.	J. A. Ulsh.
La Center	Clarke	250	15	58.4	− 1.3	91	6	37	2	44	3.93	+ 1.60	1.20	0	8	16	8	6	sw.	Joseph Brothers.
La Crosse	Whitman	1,400	.....	63.4	.....	101	25	31	3	48	1.04	.....	0.34	0	8	20	5	5	sw.	M. E. Schreck.
Lake Clealum	Kittitas	2,171	3	.....	.....	.....	.....	.....	.....	.....	1.34	.....	0.43	0	10	9	7	14	nw.	U. S. Reclamation Service.
Lake Kachess	do	2,234	4	59.0	.....	94	25	37	3†	44	1.77	.....	0.39	0	6	16	7	7	nw.	Do.
Lake Keechelus	do	2,479	4	.....	.....	.....	.....	.....	.....	.....	1.73	.....	0.40	0	6	15	4	11	w.	Do.
Lakeside	Chelan	1,116	21	68.2	+ 3.0	96	24†	45	3	37	0.64	− 0.25	0.23	0	4	9	17	4	w.	W. H. Van Meter.
Laurel	Klickitat	1,900	3	.....	.....	.....	.....	.....	.....	.....	0.91	.....	0.29	0	8	10	18	2	w.	Mrs. Minnie E. Strout.
Laurier	Ferry	1,644	2	65.2	.....	99	24	37	3	49	1.41	.....	0.33	0	9	8	12	10	s.	Mrs. J. S. Myers.
Lone Tree	Chehalis	9	3	56.6	.....	82	6	46	3	28	2.86	.....	0.87	0	9	11	12	7	nw.	U. S. Engineer Corps.
Longmires Springs	Pierce	2,800	2	.....	.....	.....	.....	.....	.....	.....	1.45	.....	0.50	0	4	.....	.....	.....	.....	National Park Ranger.
Lost Creek	Okanogan	3,125	3	.....	.....	.....	.....	.....	.....	.....	0.14	.....	0.07	0	4	20	6	4	.....	P. H. Leese.
McConihe	Grant	1,072	1	69.2	.....	104	25	42	3	43	0.18	.....	0.08	0	5	18	1	11	sw.	Paul McConihe.
McCumbers Ranch	Yakima	2,182	2	.....	.....	.....	.....	.....	.....	.....	0.65	.....	0.20	0	5	11	17	2	w.	Mrs. Mary McCumber.
Moses Lake	Grant	1,070	1	69.8	.....	107	25	42	1	47	0.19	.....	0.11	0	4	23	0	7	sw.	C. C. Ward.
Mottinger	Benton	307	12	70.8	+ 1.8	105	19	47	3	37	1.02	+ 0.53	0.37	0	6	22	4	4	e.	G. H. Mottinger.
Mount Pleasant	Clallam	500	1	56.0	.....	80	18	37	3	28	1.67	.....	0.68	0	10	16	3	11	nw.	Wm. M. Dorr.
Moxee	Yakima	1,000	20	68.3	+ 3.7	103	25	40	28	48	0.99	+ 0.34	0.55	0	5	17	9	4	w.	H. B. Scudder.
Newport	Stevens	2,400	2	61.2	.....	97	26	27	3	46	1.44	.....	0.33	0	7	19	6	5	sw.	Chas. M. Talmadge.
North Head	Pacific	211	10	54.4	− 0.6	82	6	47	14	30	4.07	+ 2.30	1.76	0	9	8	8	14	nw.	U. S. Weather Bureau.
Northport	Stevens	1,350	13	65.2	.....	99	20	35	2	44	1.19	− 0.82	0.40	0	9	19	1	10	.....	W. F. Case.
North Yakima	Yakima	1,070	3	69.9	.....	101	25	42	28	39	0.98	.....	0.62	0	5	21	4	5	nw.	Albert Bender.
Nutland	Klickitat	.....	3	68.0	.....	100	19†	40	15	36	0.41	.....	0.31	0	3	.....	.....	.....	.....	Miss Ruth Shepard.
Odessa	Lincoln	1,540	9	65.5[b]	.....	102[b]	25	37[b]	3	56[b]	0.38	.....	0.17	0	4	12[b]	11[b]	5[b]	sw.	H. W. Rieke.
Olga	San Juan	50	22	57.2	+ 0.4	78	6	40	3	28	1.73	+ 0.31	0.74	0	8	15	8	7	sw.	Cecil S. Willis.
Olympia	Thurston	45	34	59.6	+ 0.4	93	6	36	3	46	2.20	+ 0.43	0.75	0	8	17	3	10	nw.	M. O'Connor.
Omak	Okanogan	850	3	67.4	.....	103	25	36	3	47	1.04	.....	0.59	0	4	17	6	7	s.	St. John Umbrite.
Oroville	do	922	2	66.7	.....	104	25	39	6†	57	0.65	.....	0.20	0	5	14	7	9	n.	M. C. Jackman.
Peola	Garfield	5,000	3	.....	.....	.....	.....	.....	.....	.....	1.28	.....	0.48	0	7	19	6	5	se.	Samuel Gruell, sr.
Pomeroy	do	1,500	20	66.0	+ 1.9	101	25	41	4	44	0.55	− 0.34	0.30	0	4	14	12	4	w.	Peter McClung.
Port Crescent	Clallam	259	17	52.4	− 1.0	81	6	35	3	38	1.74	− 0.09	0.68	0	12	10	11	9	nw.	U. S. Weather Bureau.
Port Townsend	Jefferson	80	22	57.6	− 0.9	79	18	44	9	30	3.70	+ 2.16	1.25	0	11	15	6	9	w.	F. Plummer.
Prosser	Benton	.....	.....	69.3	.....	105	25	42	3†	47	.....	.....	.....	.....	.....	24	3	3	.....	E. L. Capps.
Pullman	Whitman	2,550	20	61.4	+ 2.2	95	24	40	15†	44	1.09	− 0.28	0.47	0	6	19	9	2	se.	State Agricultural College.
Queets River	Chehalis	16	1	54.2	.....	84	6†	37	3	40	4.93	.....	0.95	0	10	12	6	12	w.	C. A. Bullard.
Quinlault	do	300	5	59.1	.....	100	6	36	3	52	5.76	.....	1.20	0	11	14	9	7	w.	A. V. Higley.
Republic	Ferry	2,628	12	61.2	+ 2.9	97	25	29	3	49	1.54	.....	0.38	0	8	21	1	8	s.	Geo. B. Stocking.
Rex Creek	Chelan	1,135	5	62.2[e]	.....	92[e]	19	42[e]	3	34[e]	0.97	.....	0.64	0	4	11[d]	6[d]	9[d]	nw.	J. W. Nicol.
Ritzville	Adams	1,825	13	.....	.....	.....	.....	.....	.....	.....	0.48	.....	0.17	0	7	.....	.....	.....	.....	Agent N. P. Rey.
Robertsville	Klickitat	.....	.....	58.2	.....	91	25	33	3†	50	0.96	.....	0.26	0	8	13	14	3	.....	R. R. Couger.
Rock Lake	Whitman	1,910	6	63.8	.....	97	25	37	3†	44	0.86	.....	0.53	0	7	16	5	9	sw.	P. M. Ramsey.
Rosalia	do	2,425	20	62.2	+ 4.5	94	24†	38	29	48	1.17	+ 0.11	0.42	0	8	18	7	5	sw.	Hanns Mumm.
Russels Ranch	Yakima	2,870	3	.....	.....	.....	.....	.....	.....	.....	1.08	.....	0.53	0	6	16	9	5	w.	Mrs. Adelia Russel.
Seattle	King	123	21	60.0	− 0.1	88	18	46	14	31	2.76	+ 1.04	0.81	0	12	10	10	10	n.	U. S. Weather Bureau.
Sedro Woolley	Skagit	38	15	59.4	0.0	90	18	34	3	43	3.02	+ 0.12	0.63	0	11	17	2	11	.....	L. M. Devin.
Sixprong	Klickitat	1,240	5	69.8	.....	102	25	45	15	40	0.75	.....	0.69	0	3	17	5	6	sw.	C. E. Comstock.
Skagit Power Dam	Whatcom	510	2	63.0	.....	98	7	36	3	48	1.96	.....	0.52	0	9	18	2	10	.....	Chas. B. Emery.
Snohomish	Snohomish	100	18	60.2	+ 0.9	93	18	36	3	45	5.30	+ 2.93	2.10	0	8	11	9	10	nw.	James Bylling.
Snoqualmie Falls	King	667	13	62.4	.....	95	18	38	3	47	3.91	+ 1.04	1.06	0	11	17	0	13	.....	O. N. Wiswell.
Snyders Ranch	Okanogan	2,200	3	61.6	.....	103	25	25	3	56	1.28	.....	0.65	0	4	16	8	6	sw.	Mrs. Geo. M. Snyder.
South Bend	Pacific	.....	17	57.6	+ 0.1	92	6	38	3	37	3.65	− 0.16	1.01	0	9	13	10	7	w.	Mrs. W. E. Buckingham.
Spokane	Spokane	1,943	31	65.0	+ 1.6	98	24	43	16	42	0.80	− 0.81	0.33	0	9	11	9	10	sw.	U. S. Weather Bureau.
State University	King	170	3	.....	.....	.....	.....	.....	.....	.....	2.65	.....	0.78	0	11	15	3	12	s.	University of Washington.
Stokes Ranch	Okanogan	2,670	3	.....	.....	.....	.....	.....	.....	.....	0.97	.....	0.42	0	5	16	10	4	s.	Chas. W. Gunn.
Sumner	Pierce	77	4	60.0	.....	90	18	33	3	42	2.61	.....	0.52	0	12	13	4	13	w.	H. E. Thompson.
Sunnyside	Yakima	740	17	67.9	+ 2.6	102	25	41	2†	48	0.97	+ 0.61	0.33	0	6	15	13	2	se.	U. S. Reclamation Service.
Tacoma	Pierce	213	26	59.8	+ 0.4	89	18	45	2	33	2.25	+ 0.12	0.62	0	11	8	9	13	n.	U. S. Weather Bureau.
Tatoosh Island	Clallam	86	27	53.2	+ 0.2	66	5	45	3	16	3.67	− 0.51	1.64	0	8	9	11	10	s.	U. S. Weather Bureau.
Tieton	Yakima	2,113	3	60.2	.....	94	25	37	3	45	1.26	.....	0.40	0	6	17	3	10	w.	U. S. Reclamation Service.
Tonasket	Okanogan	945	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Touchet	Walla Walla	556	5	67.4	.....	102	25	38	3	45	1.36	.....	0.53	0	8	15	9	6	sw.	D. W. Dorrance.
Touchet Ridge	Columbia	2,500	3	.....	.....	.....	.....	.....	.....	.....	2.00	.....	0.70	0	5	15	9	6	sw.	R. H. King.
Trinidad	Douglas	900	8	72.8	.....	104	25	49	15	34	0.90	.....	0.38	0	4	24	1	5	nw.	J. C. Wheeler.
Vancouver	Clarke	100	37	63.6	+ 1.3	94	6	42	15	42	3.13	+ 1.24	1.39	0	9	14	6	10	nw.	A. A. Quarnberg.
Vashon Island	King	40	23	58.3	− 0.1	80	7	44	1†	29	3.08	+ 1.21	0.69	0	11	15	2	13	n.	Miss Gertrude McClintock.
Wahluke	Grant	410	8	71.4	.....	105	25	44	3	46	0.25	.....	0.21	0	4	14	6	10	.....	F. C. Koppen.
Wallace	Okanogan	4,000	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Walla Walla	Walla Walla	1,000	28	68.8	+ 0.6	101	25	46	15	36	1.73	+ 0.54	0.76	0	9	15	9	6	sw.	U. S. Weather Bureau.
Washougal	Clarke	650	12	61.5	+ 1.8	89	6	40	2	38	4.51	+ 2.02	2.00	0	10	16	4	10	w.	F. M. Grout.
Waterville	Douglas	2,624	22	61.9	+ 2.5	95	25	37	29	42	0.94	− 0.02	0.35	0	6	21	5	4	.....	O. R. Hopewell.
Wenatchee	Chelan	.....	.....	71.3	.....	106	25	47	3	46	1.05	.....	0.45	0	4	17	8	5	n.	A. A. Piper.
Wenatchee, near	do	1,169	13	64.8	+ 2.9	97	25	42	2†	35	0.83	.....	0.47	0	5	19	6	5	w.	Geo. A. Pitcher.
White Salmon	Klickitat	325	1	65.0	.....	99	18	45	16	45	0.55	.....	0.16	0	5	18	7	5	w.	C. W. J. Reckers.
Wilbur	Lincoln	2,203	13	62.0	+ 3.6	97	24	32	1†	50	1.21	+ 0.14	0.49	0	8	14	6	10	s.	Rollin J. Reeves.
Wind River	Skamania	1,300	1	59.0	.....	90	7	35	2†	49	1.94	.....	0.97	0	4	13	7	10	w.	U. S. Forest Service.
Winthrop	Okanogan	1,765	1	65.6	.....	98	24†	35	3	48	0.86	.....	0.26	0	4	18[a]	8[a]	3[a]	.....	Methow Trading Co.
Yacolt	Clarke	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.52	.....	1.11	0	9	12	3	15	sw.	C. R. Miller.
Yale	Cowlitz	375	5	60.7	.....	91	6	37	2	40	4.42	.....	0.89	0	11	14	5	11	sw.	J. A. Williams.
Zillah	Yakima	800	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oregon.																				
Albany	Linn	212	30	61.4	+ 0.1	95	6	42	28	39	3.18	+ 1.83	0.75	0	9	14	3	13	.....	F. M. French.
Ashland	Jackson	1,963	28	62.2	− 0.2	94	6	40	15†	40	2.62	+ 1.55	1.00	0	9	5	10	15	nw.	G. G. Eubanks.
Astoria	Clatsop	16	51	58.4	+ 0.6	90	6	43	3	32	4.14	+ 0.96	0.92	0	11	15	5	10	nw.	Irving Club.
Austin	Grant	4,050	1	58.2	.....	85	25	30	17	46	2.11	.....	0.42	0	11	9	8	13	.....	U. S. Forest Service.
Baker	Baker	3,466	22	59.8	+ 1.2	87	25	37	3	39	1.84	+ 0.63	0.59	0	9	16	9	5	se.	U. S. Weather Bureau.
Bay City	Tillamook	14	18	57.2	+ 1.1	85	6	37	3	38	3.99	− 0.83	1.16	0	10	13	4	13	nw.	John O. Bozorth.
Bend	Crook	3,629	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bend Bulletin.
Black Butte	Lane	1,200	11	56.3	− 1.4	90	6	35	3†	43	5.15	+ 3.82	1.55	0	10	16	4	10	nw.	Wm. Harris.
Blalock	Gilliam	237	14	72.0[d]	+ 1.6	107[e]	19	49[f]	14	43[f]	0.63	+ 0.07	0.35	0	4	13	9	8	w.	Geo. W. Long.
Brogan	Malheur	2,600	2	69.6	.....	97	26†	40	15	43	0.88	.....	0.29	0	5	22	8	0	nw.	A. B. Cox.
Buell	Polk	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. V. D. Paul

TABLE 1—*Climatological data for June, 1912. District No. 12*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Oregon—Continued.																				
Burns	Harney	4,157	21	58.0	+ 0.5	89	24	29	14	43	1.17	+ 0.54	0.33	0	5	17	10	3	sw.	J. C. Welcome, jr.
Cascade Locks	Hood River	100	22	62.2	+ 0.1	88	6	43	3	38	2.92	+ 0.35	0.77	0	8	17	1	12	w.	Val. W. Tomkins.
Cazadero	Clackamas	503	3	62.1	.....	95	6	40	16	45	4.89	.....	1.11	0	11	9	8	13	nw.	Alf. Drill.
Cliff	Lake	4,300	5	55.4	.....	89	5	23	15	51	1.21	.....	0.54	0	4	12	5	13	nw.	John C. Green.
Condon	Gilliam	2,884	5	60.0	.....	93	25	33	15	40	1.35	.....	0.70	0	6	9	10	11	nw.	C. H. Williams.
Corvallis	Benton	266	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Oregon Agricultural College.
Crescent	Klamath	4,400	....	53.0	.....	92	5	22	29	60	0.67	.....	0.21	0	8	14	11	5	.....	U. S. Forest Service.
Dayville	Grant	2,200	18	61.7	− 0.3	92	19	37	3	45	1.62	+ 0.99	0.53	0	6	15	7	6	nw.	Dr. J. Campbell-Martin.
Deadwood	Lane	350	2	59.4	.....	95	6	40	2†	45[a]	4.09	.....	0.81	0	9	11[a]	6[a]	12	s.	Jos. Slemmons.
Doraville	Columbia	600	10	57.6	+ 0.4	88	6	39	3	35	3.39	+ 1.33	1.57	0	10	13	5	12	nw.	Jos. Hackenberg.
Drain	Douglas	300	10	60.4	.....	95	6	37	2	45	4.23	.....	1.21	0	12	8	11	11	w.	Ira Wimberly.
Echo	Umatilla	625	8	69.4	.....	103	25	45	3	43	1.41	.....	0.52	0	6	18	6	6	w.	R. B. Stanfield.
Ella	Morrow	830	8	66.4	.....	106	25	40	6	53	0.93	+ 0.33	0.45	0	4	26	0	4	sw.	Carl F. Troedson.
Eugene	Lane	449	22	60.4	+ 0.9	90	6	41	3†	42	4.31	+ 2.83	0.98	0	9	10	9	11	w.	University of Oregon.
Fairview	Coos	142	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. Bettys.
Forest Grove	Washington	220	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pacific University.
Gardiner	Douglas	72	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Hon. J. S. Gray.
Glendale	do	1,441	8	60.1	.....	97	6	35	2	57	1.05	.....	0.27	0	7	12	11	7	nw.	B. J. Simpson.
Glenora	Tillamook	575	21	58.6	+ 1.7	95	6	34	3	45	3.56	− 0.09	0.99	0	11	14	3	13	sw.	Mrs. Jennie A. Reeher.
Gold Beach	Curry	40	11	57.8	.....	80	4	44	14	26	1.90	− 0.67	1.10	0	3	20	6	4	n.	John W. Riley.
Grants Pass	Josephine	956	24	63.0	+ 0.7	99	6	36	16	53	1.59	+ 0.65	0.71	0	8	12	5	13	nw.	John B. Paddock.
Grass Valley	Sherman	2,381	11	58.4	.....	94	25†	32	3	45	0.73	.....	0.22	0	5	18	7	5	w.	Agent O. (—) W. R. & N. Co.
Gurdane	Umatilla	3,500	3	65.0	.....	90	6	40	22	33	1.28	.....	1.01	0	11	13	11	6	w.	Miss Belle Ely.
Headworks	Clackamas	719	10	61.4	.....	94	5†	40	3†	50	5.68	+ 2.24	1.99	0	9	16	3	11	sw.	Portland Water Works.
Heppner	Morrow	1,950	22	63.2	+ 2.6	96	25	40	1	40	3.14	+ 2.10	1.32	0	9	8	18	4	w.	Frank Gilliam.
Hermiston	Umatilla	451	5	69.6	.....	101	19†	46	3†	42	0.85	.....	0.44	0	4	22	4	4	.....	C. W. Kellogg.
Hermoso Rio	Crook	2,300	2	60.2	.....	91	19	34	17	48	1.13	.....	0.32	0	5	19	6	5	e.	Carl T. Hubbard.
Hood River	Hood River	300	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. L. Hasbrouck.
Hood River, No. 2	do	485	1	54.8	.....	92	7†	43	3	42	0.55	.....	0.18	0	6	19	7	4	w.	W. H. Lawrence.
Hood River, No. 3	do	620	1	66.3	.....	101	23	37	3	59	0.47	.....	0.21	0	4	18	12	0	w.	W. A. Newman.
Hood River, No. 4	do	850	1	63.0	.....	94	23	40	2†	47	0.61	.....	0.25	0	4	20	4	6	w.	Fordham B. Kimball.
Huntington	Baker	2,165	11	.....	.....	100	25	.....	.....	.....	0.83	+ 0.48	0.35	0	4	18	10	2	w.	Agent O. (—) W. R. & N. Co.
Jacksonville	Jackson	1,640	24	62.4	− 0.1	95	6	39	16	42	1.51	+ 0.49	0.46	0	8	11	7	12	.....	E. Britt.
Joseph	Wallowa	4,400	23	59.0	+ 4.7	90	26	32	15	38	1.45	− 0.34	0.47	0	7	16	5	9	s.	F. F. McCully.
Klamath Agency	Klamath	4,169	4	54.0	.....	85	18	29	15†	49	3.75	.....	1.25	0	5	14	9	7	w.	Edson C. Watson.
Klamath Falls	do	4,100	23	59.0	− 0.1	89	5	32	15	39	2.80	+ 2.02	0.91	0	8	12	6	12	nw.	Augusta J. Hayden.
LaGrande	Union	2,784	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. Worstell.
Lakeview	Lake	4,825	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ralph C. Koozer.
McKenzie Bridge	Lane	1,400	11	59.4	+ 0.7	99	5	33	2†	61	4.94	+ 2.40	1.50	0	14	8	3	19	sw.	Geo. Frissell.
McMinnville	Yamhill	182	25	61.6	+ 0.9	94	6	37	2	47	3.02	+ 1.48	1.23	0	8	14	7	9	sw.	M. E. Pettit.
Marshfield	Coos	34	11	55.8	.....	76	5	40	2†	36	3.88	.....	1.14	0	12	17	2	11	nw.	U. S. Weather Bureau.
Meadow Brook	Hood River	850	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John W. Palmer.
Medford	Jackson	1,425	2	65.0	.....	99	6	38	16	47	2.19	.....	1.08	0	8	13	9	8	nw.	U. S. Weather Bureau.
Merrill	Klamath	1,070	7	57.6	.....	91	4	30	15	43[a]	3.12	.....	0.90	0	7	21[a]	1[a]	7[a]	.....	Mrs. Agnes Ritchson.
Metolius	Crook	2,525	2	57.2	.....	89	18	34	2†	45	0.78	.....	0.38	0	5	17	2	11	w.	W. E. Lottman.
Mikkalo	Gillman	1,400	6	62.2	.....	98	19	35	3	58	1.27	.....	0.39	0	5	19	10	1	w.	Frank Little.
Miramonte Farm	Clackamas	195	24	61.8	+ 1.4	92	6	40	2	40	3.84	+ 2.38	1.66	0	9	12	8	10	n.	C. Muecke.
Monroe	Benton	350	15	59.5	0.0	90	6	39	2	39	2.90	+ 1.78	0.80	0	10	13	7	10	sw.	L. A. Peek.
Mount Angel	Marion	485	26	61.4	− 0.2	90	6	45	2	31	4.42	+ 2.36	1.92	0	10	11	13	6	s.	Dr. Urban Fischer.
Mount Hood	Hood River	1,650	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. G. Babson.
Musick	Douglas	5,000	3	52.8	.....	84	6	32	21	32	9.11	.....	2.30	0	14	13	2	15	sw.	Alex. Lundberg.
Newport	Lincoln	69	25	55.5	− 0.3	68	5†	42	3	23	4.33	+ 1.48	1.19	0	9	11	6	13	nw.	Wm. Mathews.
Odel	Hood River	1,000	1	64.2	.....	95	18	42	16	42	0.72	.....	0.42	0	3	21	2	7	w.	T. A. Decker.
Ortley	Wasco	1,600	1	60.0	.....	92	7†	29	14	41	0.30	.....	0.20	0	2	14	9	0	w.	L. D. Firebaugh.
Paisley	Lake	4,500	9	59.6	.....	87	5†	34	15†	43	2.37	.....	0.93	0	7	11	14	5	.....	E. C. Woodward.
Parkdale	Hood River	1,450	1	58.8	.....	90	18	32	3	49	0.78	.....	0.50	0	4	18	8	4	sw.	Isaac Beal.
Pendleton	Umatilla	1,070	23	64.6	+ 0.4	94	19	36	3	43	1.77	+ 0.85	0.59	0	8	17	4	4	sw.	E. F. Overill.
Pilot Rock	do	.....	....	65.0	.....	100	25	40	3	41	2.13	.....	0.86	0	8	22	3	5	nw.	John P. McManus.
Pompeii	Clackamas	3,879	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. Coalman.
Portland	Multnomah	57	42	63.6	+ 2.3	93	6	45	2	32	3.03	+ 1.25	1.30	0	10	10	8	12	nw.	U. S. Weather Bureau.
Port Orford	Curry	80	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. D. Loucks.
Prairie City	Grant	3,425	1	62.6	.....	98	25	37	3†	49	2.19	.....	0.17	T.	10	13	10	7	sw.	A. M. F. Kirchheimer.
Prineville	Crook	2,864	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Geo. Summers.
Prospect	Jackson	2,800	6	59.4	.....	96	5	32	16	51	1.90	.....	0.55	0	11	6	17	7	w.	H. C. Stoddard.
Ramsey	Wasco	1,350	11	60.2	.....	90	25	34	2	43	0.61	.....	0.21	0	5	20	4	6	w.	Mrs. Iva. B. Collins.
Range	Grant	3,500	4	57.4	.....	98	25	31	3	50	3.03	.....	0.75	0	10	15	8	7	.....	Mrs. Emma Arbuckle.
Redmond	.....	.....	1	58.9	.....	90	19	30	16	41	1.21	.....	0.74	0	7	17	11	2	w.	E. E. Foote.
Richland	Baker	2,350	11	64.8	.....	98	24	37	3	46	0.93	.....	0.40	0	3	17	6	7	sw.	L. G. Morgan.
Riverside	Malheur	3,000	13	58.6	− 3.8	98	7	29	15	62	1.90	+ 1.17	0.52	0	7	5	24	0	w.	Mrs. Leah Fairman.
Roseburg	Douglas	510	34	61.8	+ 0.9	98	6	41	16	43	3.07	+ 2.00	1.02	0	11	8	14	8	nw.	U. S. Weather Bureau.
Salem	Marion	120	22	61.6	+ 0.4	93	6	45	3	38	2.70	+ 1.42	1.25	0	8	11	3	16	sw.	M. P. Baldwin.
Seneca	Grant	4,800	15	53.2	.....	82	25	29	1	42	1.55	.....	0.40	0	10	12	3	15	s.	E. J. Southworth.
Silver Lake	Lake	4,700	15	56.8	+ 1.2	89	5	27	15	52	1.97	+ 0.98	0.64	0	9	15	12	3	n.	G. W. Marvin.
Siskiyou	Jackson	4,115	4	55.5	.....	86	6	33	21	39	2.62	.....	0.72	0	8	4	8	18	nw.	U. S. Weather Bureau
Sparta	Baker	4,150	21	60.4	+ 3.2	88	25	37	14	39	3.14	+ 1.98	1.50	0	7	21	5	4	w.	J. A. Wright.
Stafford	Clackamas	400	16	61.5	+ 1.6	89	6	39	2	37	4.56	+ 2.77	1.88	0	8	.....	.....	.....	sw.	John P. Gage.
The Dalles	Wasco	112	38	67.8	+ 0.2	96	18†	46	14†	42	0.43	− 0.15	0.14	0	4	21	3	6	w.	S. L. Brooks.
Toledo	Lincoln	75	22	56.2	− 0.2	86	5	36	1	42	3.25	+ 0.09	1.10	0	8	17	9	4	.....	C. B. Crosno.
Umatilla	Umatilla	340	24	69.8	+ 1.1	100	25	48	3	36	1.18	+ 0.86	0.43	0	7	16	0	14	e.	Mrs. Helen T. Duncan.
Union	Union	2,787	....	60.0	.....	89	25†	34	2	43	2.33	.....	0.69	0	8	16	12	2	.....	Robt. Withycombe.
Vale	Malheur	2,242	20	67.7	+ 4.3	98	25†	37	15	45	0.84	+ 0.13	0.37	0	7	23	7	0	se.	H. P. Osborne.
Van	Harney	3,506	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Geo. Howe.
Vida	Lane	980	1	59.6	.....	96	6	37	2	40	5.18	.....	1.21	0	11	9	8	13	w.	W. H. Pendell.
Waldo	Josephine	.....	1	59.6	.....	94	5	37	16	43	1.48	.....	0.38	0	9	12	4	14	sw.	M. E. Lewis.
Wallace Orchard	Folk	170	3	60.4	.....	92	6	38	3	41	2.99	.....	1.23	0	8	10	11	9	.....	Chas. A. Park.
Wallowa	Wallowa	2,935	9	59.9	.....	92	25†	30	3	49	1.44	.....	0.46	0	7	8	5	17	nw.	L. J. Coverstone.
Wamic	Wasco	1,500	11	58.8	.....	100	25	23	25	77	0.48	.....	0.13	0	4	5[a]	15[a]	9[a]	w.	A. J. Swift.
Warmspring	Crook	1,500	10	63.4	+ 1.5	93	18†	38	4	52	1.32	+ 0.71	0.58	0	6	14	9	7	sw.	Claud C. Covey.
Westfall	Malheur	3,000	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. M. Gilliam.
Weston	Umatilla	1,800	20	62.6	+ 1.8	94	25	35	2	42	1.48	+ 0.23	0.95	0	6	11	6	13	sw.	M. A. Baker.
Williams	Josephine	1,368	20	61.1	+ 0.2	96	4	34	16	53	1.39	+ 0.56	0.30	0	8	12	5	13	n.	Francis J. LeRoy.
Yonna	Klamath	4,146	5	56.0	.....	90	4	28	15	48	1.61	.....	0.57	0	10	12	15	3	nw.	Jacob Rueck.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.
† Also on other dates.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1912. District No. 12, Columbia Valley.*

Stations.	Watershed.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Montana.																																
Anaconda	Missoula	T.						T.		.12	T.		.05	T.	.01	T.										.05			.09	.04	.10	0.46
Butte	do							T.	T.	.38			.20	.10	.05	.20	T.	T.				T.	T.			T.	T.	T.	T.		T.	0.93
Columbia Falls	Flathead								.05	.09			.18	.48	.30	.32	.03						.02					.27		.70	.35	2.79
Como	Bitter Root								.13	.14			.10	.05									.10							.30		0.82
Dayton ‖	Flathead								.10	.10						.12	T.														.80	1.12
East Anaconda	Missoula							T.	*	.20	T.		.11	T.	T.	T.	.02						T.			.09	.12		*	.38	.18	1.10
Fortine	Kootenai					T.				.28			.28	.08	.10	.45	.05									.02	.04	.38		.06	.44	2.18
Hamilton	Bitter Root									.10	T.		.07	.05	T.	T.							T.			T.	T.		.01	.11	.21	0.55
Hat Creek	Missoula								.01	.40	.04			.30	.05	.06	.40	.03								.04		.05	.70	.30	.20	2.58
Haugan	do												T.	.30	.14															T.	.68	1.12
Heron	Columbia												.06	.37	.06	.27											.11	.51	.03	.03	.60	2.04
Kalispell	Flathead								T.	.05			.11	.34	.01	.22							.06					.12	.31	1.37		2.59
Libby	Kootenai								T.				T.	.08	.08	.12							T.				.10	.38	T.	T.	.63	1.39
Lost Creek	Missoula									.04															T.			T.	.16		.20	0.40
Missoula	do									.36			.04	.34	.05	.02	.15											.04		.25	.53	1.78
Ophir	do		.08							.30			.20	.21		T.	.35		.03				.15			.05	.18		.21			1.76
Ovando	do	T.							.10	.20	T.		.11	.20	.03	T.		.30	T.			.04			.03	T.		.06	.06	.03	.29	1.45
Philipsburg	do									.35	T.		.10		.28	.10	.17									.10		T.	T.	T.	.24	1.34
Plains	Columbia											T.	T.		T.												T.	T.			1.20	1.20
Pleasant Valley	Kootenai									.22	.05	T.		.07	.02	.05	T.										.20	.13	.06	.06	.70	1.56
Polson	Flathead													.46			.32													.33	.91	2.02
Saint Ignatius	do	T.							T.	.08	T.		.10	.52	.16	.03	.09	T.											.02	.42	.41	1.83
Saltese	Missoula												.54			.10															.67	1.31
Stevensville ‖	Bitter Root									.03			.07	.41		.01	.07						.04							.27	.30	1.20
Thompson Falls	Columbia								.03				T.	.30	.12	.02	T.											.06	.01	.05	.66	1.25
Trout Creek	do																															
Willow Glen Stock Farm. ‖	Missoula													.20														T.			1.00	1.20
Wyoming.																																
Afton	Snake							.07		.15	.15			.65	.11	.23																1.36
Alta	do								.45	.42	.18			.24	.18	.30	.10									.03	.03			.07	.22	2.22
Bechler	do	2.08	.52						.27	.70	.41	.07	.24	1.31	.81	.35	.13	.01					.07			.01				.22	.78	7.98
Bedford	do								.06	.36			.06	.90		.12	.03						.22	.04							.05	1.84
Moran	do							.10	.34	.11	.05			.28	.42	.07										.01				.04	.30	1.72
Snake River	do							.05	.15	.14	.30		.50	.10	.80	.20	.10						T.							.10	.23	2.67
Nevada.																																
San Jacinto	Snake																															
Utah.																																
Standrod	Raft																															
Idaho.																																
Albion	Snake							T.						.75	.10	T.															.06	
Almo	do								.32	1.30	.12	.08	T.	T.	.10									T.						T.	.05	1.97
American Falls	do							.21	.08		1.02				.36	.06											.07		.04		.21	2.05
Arrow Rock	Boise									.15			.25	.77										.10								1.27
Blackfoot ‖	Blackfoot						T.	.18	.41				.12	T.	.05	.04										T.	T.		T.		.12	0.92
Blackfoot Dam	do							.05	.20	.40	.12		.90	.45			.05										.20				.10	2.47
Bogus Creek	Payette								.22	.25			1.53	.33	.19	T.							.18		.04						T.	2.74
Boise	Boise							T.	.01	.15			.47	.12	.06	T.					T.		.05		T.					T.		0.86
Bonners Ferry	Kootenai								.94	.27			T.		.25	.50	.02											.42		T.	.93	3.33
Boulder Mine	Boise								.06	.72			.43	.77	.38	.11							.30									2.77
Buhl	Snake						.10	.01	T.	.20	.25		.05	.27	.02															T.	T.	0.90
Caldwell	Boise								.07	.03			1.29	.17	.18									.02		.01						1.77
Caldwell Experiment Station.	do								.03	.09			.60	.37	.24									.02	.03							1.38
Camas	Lost River Region.																															
Cambridge	Weiser							.30	.05				.32	.31										.10		.02						1.10
Cedar Creek Dam	Snake						.25	.29	.37	.08	.05	.34	.12		.36	.03							.02		.05					T.	.03	1.99
Chesterfield	Port Neuf																															
Clarks Fork	Pend d'Oreille											.06	.02	.45	.10	.52											.02	.27			.93	2.37
Clyde	Lost River Region.																															
Council	Weiser												.65	.37	.13	T.					.05		T.							.07		1.27
Culdesac	Clearwater											.90				.09															.25	1.24
Deary	do												.19	.45		.25												.25				
Dent	do													.37	.28	.03												.02			.35	1.05
Driggs	Snake						T.		.80	.55	.30			.06		.31							.07			T.				.30	1.00	3.39
Emmett ‖	Payette								.07		.14		.09	.42	.20	.04								.14		.04					T.	1.14
Forney	Salmon																															
Garden Valley	Payette								T.	T.			.49	.29	.34	T.										T.				T.		1.12
Garnet	Snake												.40																			0.40
Glenns Ferry	do								.28				.30	.10																		0.68
Gooding	Wood-Malad							T.		.27	T.		T.	.35	.05												T.				T.	0.67
Grand Forks	St. Joe								.02				.03	.32	.14	.20	.02					T.					.03	.04	T.	.12	.42	1.34
Grandview	Snake							T.	.03	.02			.48	.05	.04								.02	T.						.04		0.68
Grimes Pass ‖	Boise		T.						.15	.59		T.	.72	.26	.01	.03					T.	T.	.03		.01					.01		1.81
Guffey	Snake							.08	.24	.06			.40	.30	.23								.03		.06					T.		1.40
Hailey	Wood-Malad								.18	.39	.01		T.	.42																	T.	1.00
Hollister	Snake						T.	.29	.05	.03	.25		.30	.31	.20												T.					1.43
Hotspring	Bruneau							T.	.02	T.	.30		.42	.20									T.							T.		0.94
Idaho Falls	Snake								.48	.01		.02	.02	.05	T.	.22	.02														.07	0.89
Indian Valley ‖	Weiser								.21	.13			.27	.58	.19									.20							.04	1.62
Irwin	Snake																															
Kellogg ‖	Coeur d'Alene									T.				.65	.11	.18	.17											.77	.17		.59	2.64
Kirkham	Payette								.28	.25			.61	.39		.10																1.63
Kooskia	Clearwater								.10				T.	.98	.25	.22															.20	1.75
Lakeview	Pend d'Oreille								T.	.05			.08	.25	.05	.41												.24	T.		.62	1.70
Landore	Snake								.60	.28			.34	.45	.43	.03	.18				.02	T.	.01	.03		.01						2.38
Leadore	Salmon								.42	.12		.03		.34	.12	.03							.01		.03							1.10
Lewiston	Clearwater								T.				.19	.12		.01					T.							.02	.01	.08		0.43
Little Camas	Boise						T.	T.	T.		T.	T.	T.	.88	.16	T.							T.							T.		1.04
Loon Creek	Salmon								T.	.10	.07		.08	.20	.20	.13							T.	T.						.01	.01	0.80

TABLE 2.—*Daily precipitation for June, 1912. District No. 12*—Continued.

Stations.	Watershed.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Idaho—Continued.																																
Mackay	Lost River Region.								.25				.02	T.								T.	T.						T.		.03	0.30
Meridian	Boise							T.	.55	.12			.21	.53	.18	T.							T.	.05		T.						1.64
Mesa ‖	Weiser																															
Middle Fork	Clearwater												.12	.81	.61	.20															.20	1.94
Milner	Snake						.02	.03	.12	.01	.18	.01	.06		.06																	0.49
Moscow	Palouse													.43			.03											.02	.16	.11		0.75
Mountainhome	Snake										.13			.45	.03								T.									0.61
Murtaugh ‖	do							T.		.13	T.			.23	.07									T.								0.43
New Meadows	Salmon																															
Nezperce	Clearwater								.03				.14	.64		.14														.38	.10	1.43
Oakley	Snake						.05	.08	.04	.04		.10	.20	.15	.08															.05	.12	0.91
O'Hara Bar	Clearwater								T.				T.		1.05	.10							T.			.07						
Orofino	do								T.				.20	.80	.32	.07					T.	.01						T.		T.	.37	1.77
Payette	Payette							T.	T.	T.			.40	.12	.03								.03	T.		.01				T.		0.59
Pebble	Port Neuf																															
Pierson	Salmon									.49			.34		.41																	1.24
Pleasant Valley	Boise								.11	.02			.20	.47	.12											T.						0.92
Pocatello	Port Neuf						.06	.01	1.09		.02		.07	.44	.01	T.									T.					.14	.15	1.99
Pocatello Nursery	do							.07	.32	.03	T.	.02	.23	.29	.24															T.	.68	1.88
Poplar	Snake								.48	.64				.27		.10															.25	1.74
Porthill	Kootenai								.08	.81			.06	.07	.02	.28												.29			.53	2.14
Priest River Experiment Station No. 1.	Pend d'Oreille								.19	.10			.18	.36	.22	.32	T.											.16	T.		.54	2.07
Priest River Experiment Station No. 2.	do								.19	.09			.17	.34	.20	.31	T.											.16	T.		.56	2.02
Priest River Experiment Station No. 3.	do								.22	.04			.18	.35	.24	.34	T.											.17	T.		.60	2.14
Pyle Creek	Payette								.10	.03			.29	.30	.25	.06								.03							.01	1.07
Richfield	Wood-Malad								T.	.82	.39		T.	.29	T.	.02							T.									1.52
Roseberry	Payette								.05	.05		.05	.34	.92	.35	.04			.01												T.	1.81
Roseworth	Snake							.08		.10	.15		.54		.26																.03	1.16
Rupert	do	T.						T.	.01				.02	.15	.12	T.																0.30
St. Anthony ‖	do							T.	.47	.21	.36	.27	T.	.04	.12	.23										T.					T.	1.70
St. Maries	St. Joe								.03				.15	.41		.26	T.											.20	.12		.29	1.46
Salmon	*Salmon*									.09			.50	.11	.04															.02	.04	0.80
Sandpoint	Pend d'Oreille								.07					.15	.16	.30												.15	.03		.68	1.54
Sheep Hill	Boise								.03	.08			.30	.71	.12	.01								.04								1.29
Shoshone	Wood-Malad								.12	.12		T.		.15	.06	T.															T.	0.45
Silver City	Owyhee							.04	.46	.02			.38	.35	.44	T.							.02		T.							1.71
Smith Prairie	Boise																															
Soldies Creek	Wood-Malad							T.	.16	.23	.02		.04	.58	.07	T.							T.								.11	1.21
Spirit Lake	Pend d'Oreille								.18				.11	.23	.14	.26										T.		.42	.02		.37	1.73
Springfield	Snake							.02	.40	.03			.02			T.															.11	0.58
Sugar ‖	do								T.	.40	.44	.06		.02		.14																1.06
Sunnyside	do								T.	.01					.85																	0.86
Tripod Mountain	Payette								1.20	.22			.22	.73	.33						T.	T.	.14			T.				.03		2.87
Twin Falls	Snake									.10	.13			.23													T.				T.	0.46
Vernon	do							.09	.63	.32	.53			.20	.22	.24							T.			T.	T.			T.	.25	2.48
Wallace	Coeur d'Alene								T.		.10		.14	.33	.18	.13	T.										.14	.26	T.		.68	1.96
Weiser	Weiser								.05	T.			.25	.20	.10									.24		T.					T.	0.84
Wendell	Wood-Malad						T.		T.	T.	.72	T.			.14																T.	0.86
Washington.																																
Aberdeen	Coast											.04	.09	1.03	.42						1.03	.07						.21	.13	.47	.12	3.61
Anacortes	Puget Sound											.37	.23	.07							.45	.01				.01	.04	.20			.11	1.49
Baker	do											T.	.44	.25	.32	T.					.14	.58					.12	.32		T.	.25	2.42
Bellingham	do											.30	.25	T.							.65	.08				T.	.02	.06	.01		.13	1.50
Bellignham (near)	do											.24	.39	.04	.01						.37	.37						T.	.11		.07	1.60
Blaine	do											.45	.32	.21	.29						.26	.36					.02	.07			.07	2.05
Bremerton	do											.07	.16	.11	.14						.07	.50					.09	.50	.11			1.75
Brewster	Columbia												.41			T.						.01				.34	.03				.13	0.92
Bumping Lake	Yakima											.03	T.	.02	.01					T.	.06										.04	0.16
Cedar River	Puget Sound											.07	.54	.38	.06						1.17						.34	.12			1.48	4.16
Centralia	Coast											.35	.16	.31	.24						1.64	.04				T.	.09	.27	T.	.08		3.18
Cheney	Spokane																															
Cle Elum	Yakima												.39	.24							.36						.05				.41	1.45
Clearbrook	Puget Sound											.44	.45	.14	.53						.47	.38					.01				.10	2.52
Colfax	Palouse												.14	.30		.45													.12	.30		1.31
Colville	Columbia								.23				.24	.34		.18															.38	1.37
Conconully	Okanogan												.22	.08	.08	T.	.02					T.					.21	T.			.49	1.10
Cowiche	Yakima											T.	.25	T.							.10	.08				T.		T.			.49	0.92
Crescent	Spokane																															
Darrington	Puget Sound																															
Davenport	Columbia							.16					.14		.16	.10																0.56
Dayton	do								.02				.25	.24	.11	.11						T.	T.			T.			.09		.11	0.93
Deer Park	Spokane								.04				.15	.10	.01	.25										.06		.10			.31	1.02
Detroit	Puget Sound											.23	.15	.39	.25						.51	.21				T.	.01	.19		.15	.16	2.25
Dixie	*Columbia*								.06				.67	.55	.12	.10					T.		T.						.24	.14	.12	2.00
Douglass Lake	Puget Sound											.36	.21	.05	.01						.26	.21					.02	.14	.02		.09	1.37
Dryden	Wenatchee											T.	.16	T.							T.	.20				T.					.95	1.31
Duckabush	Puget Sound																															
Ellensburg	Yakima												.10	.06													.10				.60	0.86
Ephrata	Columbia																															
Forks	Coast																															
Fort Simcoe	Yakima											T.	T.							T.	.02					.02					.30	0.34
Gerome	Columbia												.40	.10	.12	.08						.04				T.					T.	0.74
Goat Lake	Puget Sound																												1.20	.57	.60	2.37
Gold Basin	do																															
Gold Creek	Yakima												.40									.50									.40	1.30
Goldendale	Columbia											.19		.10							.08	.18									.10	0.65
Granite Falls	Puget Sound											.07	.35	*	1.80						.74	.80					.06	.82			.50	5.14
Grays River	Coast																															
Guler	Columbia																															
Hanford	do												.03								.01										.18	0.22
Hatton	do								.04				.14	.02	T.	T.												T.			.02	0.22
Huntsville	do													.46	.10															.10	.27	0.93
Irene Mountain	do								T.				.17		.64	.19					.21	.01					.04	.22			.45	1.93
Kennewick	do												.04			T.					.06	.09					T.		.11		.21	0.51
Kent	Puget Sound											.04	.23	.50	.17	.10					.39	.50						.30		.05	.30	2.58
Kettle Falls	Columbia												.15	.05	.02												.06	.02			.33	0.63

TABLE 2.—*Daily precipitation for June, 1912. District No. 12*—Continued.

Stations.	Watershed.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
***Washington*—Con.**																																
Kiona	Yakima												.42	.69	.74	.26					.71	.26	T.					.09		.08	.44	3.69
Kosmos	Columbia											.42	.41	.32	.27					.56	1.20	T.				T.	.70	T.			.05	3.93
La Center	do								.05				.34	.19	.15	.03					T.					T.	T.	.02	.11		.15	1.04
La Crosse	Palouse								.04				.35	.05	.13	T.					.08	.43	.02				.06		T.	.04	.14	1.34
Lake Clealum	Yakima											T.	.39		.28	T.					.12	.37					.30	T.			.31	1.77
Lake Kachess	do												.34	.30	.26					T.	.39	.04				T.		T.			.40	1.73
Lake Keechelus	do											T.	.18	T.		T.	T.				T.	.23				T.	.04				.19	0.64
Lakeside	Columbia								.01			.02	.28	.15							.29	.14	.01								.01	0.91
Laurel	do												.13	.17	.33	.05						T.		T.		.02	.08	.20	.11		.32	1.41
Laurier	Kettle											.87	.05	.46	.09					T.	.54	.22				T.	.29	.03	.31	T.	T.	2.86
Lone Tree	Coast												.50	.25							.25	T.									.45	1.45
Longmires Springs	Puget Sound												.03		.07	T.						.01					T.				.03	0.14
Lost Creek	Columbia											T.	.08	.03	.05						.01					T.	T.				.01	0.18
McConihe	do								.05				.15	.15							.20	.10										0.65
McCumbers Ranch	do												.03	.02	.03	.11					T.										T.	0.19
Moses Lake	do								T.				.11	.37							.17	.01				T.		.08			.28	1.02
Mottinger	do											.07	.02	.13							.68	.27				.07	.02	.10	.04	.27		1.67
Mount Pleasant	Coast											T.	.28	.02							.10	.04									.55	0.99
Moxee	Yakima								.32				.16	.22	.09	.33												.16		T.	.16	1.44
Newport	Pend Oreille											.68	.08	1.74	.34						.69						.18	.23	.09	.04		4.07
North Head	Coast								T.			.01	.22	.02	.07	.09									.06	.01				.40	.31	1.19
Northport	Columbia								T.			T.	.20	.05	T.						.02	.09				T.	T.	T.		T.	.62	0.98
North Yakima	Yakima																			.05	.05										.31	0.41
Nutland	Columbia												.17	.07	.10	.04																0.38
Odessa	do											.40	.24	.11	.03						.74						.10	.05			.06	1.73
Olga	Puget Sound											.22	.16	.45						T.	.75	.37					.05	.10		.10	T.	2.20
Olympia	do												.59		.16						T.	T.				.17					.12	1.04
Omak	Okanogan													.10	.10	T.										T.	.10	.15			.20	0.65
Oroville	do												.48	.09	.06	.02						T.						T.	.43	.02	.18	1.28
Peola	Snake								T.					.16		T.													.04	.05	.30	0.55
Pomeroy	do											.25	.01	.24	.05					.07	.62	.04			T.	.01	.09	T.	.19	.10	.07	1.74
Port Crescent	Coast											.25	.10	*	.97						1.25	.51			T.	.01	.06	.44	.05		.06	3.70
Port Townsend	Puget Sound												.47		.11													.14	.19	.09	.09	1.09
Pullman	Palouse											.66	.45	.62	.78	T.				T.	.91	.95	T.			.01	.06	T.	.47	.02		4.93
Queets River	Coast		T.	T.								1.10	.02	1.20	.28				.02		1.05					.01	.50	.30	.60	.68		5.76
Quiniault	do												.16	.05	.55	.10											T.	.02	.08		.38	1.54
Republic	Kettle								.20							.01						.64					.09				.23	0.97
Rex Creek	Columbia																															0.48
Ritzville	do								.06			.05	.17		.08	.08	.03										.01				
Robertsville	do								T.			.04	.13	.13	.01						.25	.26					.03				.11	0.96
Rock Lake	Palouse								.02			T.	.28	.25	.15	.12	.01					T.			T.						.03	0.86
Rosalia	do								.05				.42	.06	.06	.08												.11	.12		.27	1.17
Russels Ranch	Yakima											T.	.17	.16	.02		T.				.53					T.	T.			.03	.17	1.08
Seattle	Puget Sound											.24	.07	.14	.29	.01				.11	.80	.01					.50	.35	.01		.23	2.76
Sedro Woolley	do											.20	.25	.24	.42	.02					.54	.63	.01					.48	.03		.20	3.02
Sixprong	Columbia							T.					.02	.04							T.						T.				.69	0.75
Skagit Power Dam	Puget Sound												.30	.08	.33	.05						.52					.03	.10		.09	.46	1.96
Snohomish	do											.20		.30	2.10	.20					.90	.50						.70			.40	5.30
Snoqualmie Falls	do											T.	.34	.25	1.06	.09	T.				.28	.38				.01	.01	.34	.11	T.	1.04	3.91
Snoqualmie Pass	Yakima																															
Snyders Ranch	Columbia												.18									.33					.12		T.	T.	.65	1.28
South Bend	Coast											.50	.11	1.01	.52						.67	.24					.25	.10	.25			3.65
Spokane	Spokane								.04			T.	.16	.17	.22	.09					.01	T.						T.	.01	.01	.09	0.80
State University	Puget Sound										.05	.30	.17	.50	.03	.03					.10	.78					.04	.64	.01			2.65
Stokes Ranch	Columbia											.02	.40									.26			.04		T.				.25	0.97
Sumner	Puget Sound											.07	.33	.52	.20	.04	.03				.34	.37					T.	.42	.04	.05	.20	2.61
Sunnyside	Yakima												.31	.01							.26	.04					.02				.33	0.97
Tacoma	Puget Sound											.33	.23	.47	.02					.06	.51	.01				T.	.20	.01		.12	.29	2.25
Tatoosh Island	Coast	T.										1.53	.19	.69						T.	.71	.04					.02	T.	.46	.03		3.67
Tieton	Yakima											T.	.32	.11	T.		.03				.37	.03					T.				.40	1.26
Tonasket	Okanogan																															
Touchet	Columbia								.02			.04	.36	.53	.26						T.		.02				.06	T.		T.	.07	1.36
Touchet Ridge	do												.70	.50	.28														.12		.40	2.00
Trinidad	do												.38			.12					.12										.28	0.90
Vancouver	do											.15	.44	.22	.12					T.	1.30	.03					.65	.11	.02			3.13
Vashon Island	Puget Sound											.19	.25	.69	.39	.01	T				.28	.43	.01	T.				.43	.01	T.	.39	3.08
Wahluke	Columbia												.02	.01							.01										.21	0.25
Wallace	Okanogan																															
Walla Walla	Columbia							.13	.03			.42	.34	.53	.10						T.		T.		T.				.08	.05	.05	1.73
Washougal	do												.95	.35	.45						2.00	.10	.01			T.	.12	.25		.20	.08	4.51
Waterville	do											T.	.09	.06							.24	.04				T.	.16				.35	0.94
Wenatchee	do												.20	T.								.20					.20				.45	1.05
Wenatchee (near)	do											T.	.10	.09							.13	.04									.47	0.83
White Salmon	do								T.			T.	.13	.16	.14	.01					.11										T.	0.55
Wilbur	do												.22	.10	.49	.05						.04				.25				.05	.01	1.21
Wind River	do												.97	.37							.47	.13										1.94
Winthrop	do											T.	.26	T.	T.	T.						.21					.20	T.			.19	0.86
Yacolt	do											.23	.61	.60	.75	.01				T.	1.11	.23					.38	.60			T.	4.52
Yale	do											.03	.70	.88	.88	.03				.04	.89	.35					.53	.08			.01	4.42
Zillah	Yakima																															
Oregon.																																
Albany	Willamette										T.		.75	.36	.08	.06				T.	.58	.70	.10				T.	.54		T.	.01	3.18
Allingham	Deschutes							.19					.39	.20	.05						.28						T.					1.11
Ana River	SE. drainage							.01	.09			.03	.05							T.		.01		.13						.08	.07	0.47
Ashland	Rogue						T.	.08					.51	.10	T.					.02	1.00	.22	.08	.48			.13					2.62
Astoria	Columbia											.62	.15	.83	.88	T.					.92	.22				.01	.22	.03	.04	.22		4.14
Austin	John Day							.26	.07			.01	.40	.42	.39	.01					.02			.14						.26	.13	2.11
Bagley's Ranch	Snake																															
Baker	do						T.	.26	.15			.02	.47	.46	.07	T.					T.		.07		.01					.33		1.84
Bay City	Coast											.84		.48	.68	.10					1.16	.18					.10	.37	T.	.07	.01	3.99
Bear Creek	Deschutes							.82						.07	.05																.27	1.21
Bear Valley	SE. drainage						.62						.46	.54	.08														T.	.04	.12	1.86
Beech Creek	John Day						T.	.38					.58	.76	.08						T.			T.							.47	2.27
Bellfountain	Willamette										T.	.16	.41	.17	.23	.02					.76	.09		.08	.21		.57	.11		.20		3.01
Bend	Deschutes																															
Big Basin	John Day																															
Black Butte	Willamette								.15				1.55	.60	.50						1.10	.30		.20			.40	.20			.15	5.15
Blalock	Columbia								T.				.12	.08						T.	.08										.35	0.63
Blue Mountain Sawmill	Umatilla							.05					.98	1.00	.18						.12								.52	.31	.13	3.29

TABLE 2.—*Daily precipitation for June, 1912. District No. 12*—Continued.

Stations.	Watershed.	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
Oregon—Continued.																																
Brogan	Malheur								.29				.23		.06									.14						.16		0.88
Buena Vista	Snake						.02						.02	1.00	.06	T.							T.	T.				.05			T.	1.55
Burns	SE. drainage								.23			.10	.30	.26																	.18	1.17
Burns Mill	do							.05		.16			.35	.19	.12								.19	.16							.25	1.47
Butte Falls	Rogue							.11					.41	.06							.90	.15	.08	.29			.40	.02				2.42
California Gulch	Umatilla												.92	1.53							.10								.48	.04		3.07
Canyon City	John Day																															
Cascade Locks	Columbia												.30	.77	.64	.02					.51	.54						.11		.03		2.92
Cascadia	Willamette							T.				T.	.93	1.18	.21	.03					1.35	.37		.07	.08	T.	.41	.31	.06	.40	.29	5.69
Cazadero	do								.40			T.	.47	.61	1.11	.05					1.04	.22					.07	.78	.06		.44	4.89
Christmas Lake	SE. drainage					T.	T.	T.	.05			T.	.42	T.	T.				T.	T.	T.	.16	.03					T.		.11	.21	0.98
Cliff	do							T.					.54	.10	.03															.08	.46	1.27
Columbia Mine	Snake						T.	.03					.90	.50	.45	.04					.03	.02		.01						.07	.24	2.29
Condon	John Day												.41	.70	.01						.11							.02		.10		1.35
Coquille River Lighthouse.	Coast								.09			.22	.89	.08						.06	.38			.05	T.	T.	.86	.08				2.71
Cornucopia	Snake						T.		.06	.07			.38	.35	.12	.02					T.			.31		.07			.01	.02	.23	1.64
Corvallis	Willamette																															
Cracker Creek	Snake	T.					T.	T.	.05				1.00	.06	.03	.01					T.		.02							T.	.03	1.20
Crescent	Deschutes								.09				.21	.19	.01	.01					.09	.03	T.		.04		T.					0.67
Dayville	John Day						T.	.03				.02	.13	.53	T.	T.					T.						T.		.31	T.	.33	1.62
Deadwood	Coast											T.	.81	.60	.15					.38	.48			.78		.56	.26	.07				4.09
Diamond	SE. drainage							T.	.32				.10	.22	.05															.24	T.	0.93
Doraville	Columbia											.13	.17	.31	.23					T.	1.57	.01				T.	.46	.30	.06	.15	T.	3.39
Drain	Umpqua											.31	.95	.28	.27	.16					1.21	.14		.02	.14	.03	.56	.16		T.	T.	4.23
Dufur	Columbia																															
Duncan	Umatilla											.20	.75	.95	.60	.50						.60							.35	.10		4.05
Echo	do								.04				.22	.52							.10						.06				.47	1.41
Ella	Columbia								.08				.05	.35																	.45	0.93
Embody	SE. drainage								.22				.17	.42	.08	.04					.06	.02										1.01
Eugene	Willamette												.84	.34	.17	.34					.60	.39			.98	.04		.61				4.31
Fairview	Coast																															
Falls City	Willamette																															
Fir Glen	Coast											.10	.70	.13	.15						.74	.32		.06	.03	T.	.38	.09		.05	.09	2.84
Florence	do																															
Forest Grove	Willamette																															
Fort Rock	SE. drainage					T.	T.	.75	T.			.30	.10	T.	T.						.05	.21	T.	T.						.02		1.43
Galice	Rogue							.10					.25	.02	.01						.23	.03	.01	.12						T.	.06	0.83
Gardiner	Umpqua																															
Gibbon	Umatilla																															
Glencoe	Columbia												.13	1.02	.10						.15										.96	2.36
Glendale	Umpqua							.21				.11	.04								.31			.03			.27	T.	.08	T.	T.	1.05
Glenora	Coast											.52	.11	.82	.46						.99	.08					.17	.30	.08	.02	.01	3.56
Gold Beach	Rogue											.20	1.10	.60																		1.90
Golden Falls	Coast								T.			.38	.88	.40	.16						.73	.10		T.	.05		.87	.27		.39	.10	4.33
Grande Ronde	do																															
Grants Pass	Rogue							.21	.03			.04	.28								.71	.03		.15			.14					1.59
Grass Valley	John Day												.15	.15	.03						.22										.18	0.73
Greenhorn	Snake						T.	.41				.25	.53	.80	.38	T.					.03			.12						.20	.09	2.81
Gumboot	do								.42	.13			.28	.42	.30	.05							.04	.09						.14	.07	1.94
Gurdane	Columbia								.03	T.	.01	.06	1.01	.06	.03	.01											.01	.01	T.	.01	.04	1.28
Hampton	Deschutes						.04		.17			T.	.28	.13	.02																.48	1.12
Happy Home	Umpqua							T.	.04			.10	1.02	.54	.22	.04					1.08	.10					.04	.10			.70	3.98
Harbor	Coast					T.		.14				.60	2.38	.45		T.				.01	.50	.20		.20								4.48
Hay Creek	Deschutes								.51				.70	.27	.01						.27						.21				.07	2.04
Hazeldell	Willamette							T.				.75	1.21	.35	.26					.23	.60			.20		T.	T.	.90	T.	.45	.15	5.10
Headworks	do											.02	1.08	.72	.61						1.99	.35					.22	.55			.14	5.68
Heppner	Columbia							.04					.45	1.17	.02						.05		.01			T.	.03	.05			1.32	3.14
Hermiston	Umatilla												.08	.44							.03										.30	0.85
Hermoso Rio	Deschutes								.30			T.	.26	.32	.03						.22											1.13
Hilgard	Grande Ronde												.80	1.10							T.		T.					.15		.20		2.25
Hood River No. 1	Columbia																															
Hood River No. 2	do											.01	.10	.18	.12	T.					.13	T.									.01	0.55
Hood River No. 3	do											T.	.11	.21	.04						.11	T.				T.					T.	0.47
Hood River No. 4	do											T.	.11	.25	.07						.18	T.									T.	0.61
Hoover	Willamette								.06			T.	.40	1.42	.41	.15					.82	.40					.07	.10			.25	4.08
Howardville	Grande Ronde												.43	.40	.15	.22								.01					T.	.14	.17	1.52
Huntington	Snake											.20			.25								.35							.03		0.83
Ibex Mine	John Day						.01	.65	T.				.66	.80	.67	.20	.04				.03	.04	.03							.22	.04	3.39
Ironside	Snake						.03	.25	.25	.32			.85	.40								.05	.06							.25	.10	2.56
Jacksonville	Rogue							.09					.35	.10						T.	.46	.06	.01	.36		.08						1.51
Joseph	Grande Ronde												.08	.30	.42	.02						.06								.10	.47	1.45
Klamath Agency	Klamath											.40	.50	.70								1.25		.90								3.75
Klamath Falls	do						.03	T.	.47				.58	.51	.09							.09	.12	.91								2.80
La Grande	Grande Ronde																															
Lakeview	Pitt																															
Lilyglen	Rogue						T.	.06					.44	.39	.04	T.				.01	.70	.18	.19	.38	T.			T.	.01			2.40
Long Creek	John Day								.30			.20	.40	.51	.23	.02					.19	.09	.02				T.		.29	.02	.46	2.73
Long Valley	Pitt	.10				T.		.03		.09			.29	.27	.43						.05	.19	.07	.28	.02							1.72
McKenzie Bridge	Willamette												.73	1.50	.49	.07	T.			.02	.66	.34			.02	.03	.05	.28	.12	.01	.62	4.94
McMinnville	do											.29	.17	.19	.11						1.23	.14					.66	.23				3.02
Marshfield	Coast								.02			.21	.73	.16	.02						.71	.28		.05	.17		1.14	.31			.08	3.88
Maury	Deschutes						.09	.19	.21			.11	.20	.10	.12					T.	.03		.03								1.42	2.50
Mecham	Umatilla																															
Meadow Brook R'ch	Columbia																															
Medford	Rogue												.34	.05	T.	T.					1.08	.10	.01	.37			.12	.12			T.	2.19
Merrill	Int. drainage							.32		.61			.72	.02									.46	.90						.09		3.12
Metolius	Deschutes							.07					T.	.13	.15						.38				.05							0.78
Mikkalo	John Day												.39	.35						.06							.17				.30	1.27
Miller Prairie	do																															
Miramonte Farm	Willamette											.04	.51	.23	.15						1.66	.34					.51	.34	.06			3.84
Monroe	do										T.	.30	.48	.19	.09						.80	.02		T.	.48		.43	.07		0.4		2.90
Mountain Home	Columbia											.32	.22	.32	.49					T.	1.60	.10	.02				.61	.34	T.	.03		4.05
Mount Angel	Willamette											.28	.48	.35	.05						1.92	.10	.02				.82	.25	.15			4.42
Mount Hood	Columbia																															
Mountain Ranch	Rogue							.20					.90								.30	.77	.03	.08	.10		.20					2.58
Musick	Umpqua																															
Newport	Coast											.11	.90	.28							.49	.46			.10	.18	.62	1.19				4.33
Ochoco	Deschutes							T.	.38			T.	.44	.41	.04	T.					T.	.03					T.			T.	.33	1.63
Ochoco Creek	do							.67	.25				.40	.26	.03																.75	2.36
Odel	Columbia													.42	.05						.25											0.72
Ortley	do												.20			.10																0.30

TABLE 2.—*Daily precipitation for June, 1912. District No. 12*—Continued.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Oregon—Continued.																																	
Owyhee	Owyhee												.54	.31	.28															T.		1.13
Paisley	SE. drainage																																
Parkdale	Columbia													.50	.11						.15					.02							0.78
Pendleton	Umatilla								.05			T.	.59	.48	.30	.07						.11	.02								.15	1.77
Persist	Rogue						.05						.20	.68							.80	T.	T.	.30	T.		.80	T.			T.	2.83
Pilot Rock	Umatilla											.03	.53	.86	.39						.19						.04			.05	.04	2.13
Pompeii	Columbia																																
Portland	Willamette											.43	.29	.12	.01					.02	1.28	.03					.62	.21			.02	3.03
Port Orford	Coast																																
Post	Deschutes						.06	.12					.21	.12	.05									.08							1.06	1.70
Power House	Walla Walla							.03				.24	.79	.36	.12						.03								.13	.18		1.98
Prairie City	John Day								T.			T.	.56	.70	.38	.04						.03	.03	.06					.01	.09	.28	2.19
Prineville	Deschutes																																
Prospect	Rogue						.07	.10	T.				.55	.09	.03						.49	.07	.06	.29	.03	T.	.12	T.				1.90
Rager Creek	Deschutes						T.	.52	.08			.09	.81	.28															.24	T.	.87	2.89
Ramsey	Columbia												.21	.11							.12						.06				.11	0.61
Range	John Day							.08				T.	.75	.50	.40	.10					.15		.10					.45	T.	.50		3.03
Ray Creek	Columbia																																
Redmond	Deschutes							.74				.16	.10								.02						.10	.04			.05	1.21
Reston	Umpqua											.24	.65	.11	.14						.60	.06		.06	T.		.40	.15			.12	2.53
Richland	Snake																																
Riverdale	Deschutes																																
Riverside	Malheur							.30				.18	.40	.52								.09	.29						.12			1.90
Rock Creek	Willamette												.85	.23	.28	T.						.81	.36		.10			.80				3.43
Roseburg	Umpqua											.66	.44	.08	.21						.87	.03		.06		.08	.42	.10		T.	.12	3.07
Rosland	Deschutes							.56	.03				.46	.21	.03						.16				.20			T.		.05		1.70
Salem	Willamette											.07	.53	.14	.07						1.25	.05					.44	.15			T.	2.70
Seneca	SE. drainage							.40	.20	T.	.10	.20	.10	.07	.07							T.	.02	.07							.22	1.55
Silver Lake	do							.31	.33				.39										.64	.07	.02			.13	.02	.06		1.97
Siskiyou	Rogue							.18	.03				.50	.10							.62	.43		.72							.04	2.62
Sisters	Deschutes												.23	.18	.07						.20						.06			.01		0.75
Sparta	Snake							.15					1.50	.70	.20								.02							.45	.12	3.14
Stafford	Willamette											.32	.33	.25	.23	T.					1.88						1.24	.27		.04	T.	4.56
Starkey	Grande Ronde											.30	.51	.52	.25						.27								.24	.08		2.17
Summit	Willamette											.39	.25	.28	.30						.66	.12		.01	.03	T.	.78	.14		.05		3.01
Summit Prairie	Deschutes																																
Susanville	John Day							.10				.20	.45	.65	.20						.10	.15	T.						.01	.20	.21	2.27
Tamarack	do												.35	.50							.17	.35	.75								.14	2.26
Telocaset	Snake												.60	.55	.25	.03						.25								.30	.05	2.03
The Dalles	Columbia												.10	.09							.14							.10			T.	0.43
Tinroof	Umatilla								.02			.05	.69	1.16	.13						.18								.46	.08	.13	2.90
Toledo	Coast											.75	.30	.20							.50				.10	.20	1.10	.10				3.25
Trail	Rogue							.38	.03				.70	.14	.01						.65	.04	.03	.18			.23					2.39
Trask	Coast																																
Umatilla	Columbia							T.				.05	.32	.01	.09						.11					T.		.17			.43	1.18
Union	Grande Ronde								.06				.69	.52	.56						.03			.20						.09	.18	2.33
Vale	Malheur									.02			.19	.37	.08	.01								.10						.07		0.84
Valley Falls	SE. drainage						T.					T.	.18	.36	.03	.02					T.	.33	.38							.01	.02	1.33
Van	Malheur																																
Vida	Willamette											T.	.85	1.21	.42	.11					.79	.49		.04	.27		.42	.20		T.	.38	5.18
Waldo	Rogue											T.	.38	.10	.15	.05					.20	.10	.05	.20			.25					1.48
Wallace Orchard	Willamette										T.	.10	.48	.26	.11						1.23	.04					.64	.13			T.	2.99
Walloupa	Grande Ronde												.27	.32	.09	.15					T.									.26	.09	1.18
Wallowa	do							T.	T.				.27	.46	.22	.09					.01			T.		T.				.26	.13	1.44
Wamic	Deschutes										T.	.11	.11							.13						T.	.13				T.	0.48
Warmspring	do								.27		T.		.58	.05							.27			.10				.05				1.32
Wasco	Columbia												.14	.08							.06										.25	0.53
Welches	do																																
Westfall	Malheur																																
Weston	Walla Walla						T.	T.	T.			T.	.75	.31	.10	T.					.01	T.			T.			.06		.05	T.	1.48
Williams	Rogue							.06					.30	.15							.20	.15	.10	.25			.18					1.39
Yonna	Int. drainage					.01		.12	.23				.57	.15								.01	.03	.43	.01					.05	T.	1.61

* Precipitation included in that of the next measurement.
‡ Separate dates of falls not recorded.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—*Maximum and minimum temperatures for June, 1912. District No. 12, Columbia Valley.*

Date.	Montana.						Idaho.																					
	Kalispell.		Missoula.		Afton, Wyo.		Boise.		Bonners Ferry.		Hotspring.		Lewiston.		Mackay.		New Meadows.		Pocatello.		Salmon.		Shoshone.		Vernon.		Wallace.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	74	38	77	36	72	34	80	50	76	40	85	45	83	48	73	37	.....	.....	76	43	79	46	76	39	61	40	73	36
2	69	40	70	50	85	50	75	51	73	46	82	49	73	49	73	42	.....	.....	75	53	78	39	76	44	63	37	68	40
3	70	40	76	34	71	45	74	45	70	31	82	45	77	44	73	41	.....	.....	74	55	79	40	75	45	64	36	67	33
4	76	36	77	33	76	49	81	50	71	41	87	46	84	46	75	43	.....	.....	70	44	81	41	79	42	64	36	74	36
5	67	46	79	40	79	53	85	52	78	42	89	49	88	51	87	46	.....	.....	81	47	84	40	81	42	76	39	2	42
6	74	38	76	43	81	54	88	56	76	37	92	51	91	52	80	47	.....	.....	86	49	80	41	.....	.....	77	47	80	45
7	78	44	82	54	85	55	85	62	80	46	92	56	91	56	80	46	.....	.....	85	53	79	45	.....	.....	70	49	89	46
8	74	42	78	48	74	53	76	58	76	40	85	57	81	64	75	50	.....	.....	75	50	81	54	85	43	65	47	69	49
9	74	49	72	52	75	47	72	56	76	51	76	53	82	56	64	45	.....	.....	71	50	69	44	67	50	71	45	74	48
10	76	45	78	44	72	44	80	53	85	46	80	53	89	50	69	42	.....	.....	73	48	75	46	76	49	70	43	84	42
11	81	48	84	44	73	47	83	59	88	42	74	53	90	56	69	44	.....	.....	76	46	78	47	75	49	71	43	86	46
12	82	49	83	47	75	48	75	55	75	54	73	57	72	61	66	47	.....	.....	75	52	77	47	.....	.....	74	48	74	49
13	60	47	65	48	67	48	69	52	65	47	74	56	71	54	57	40	.....	.....	65	50	77	46	65	50	61	49	62	52
14	60	47	61	47	60	44	58	44	62	42	70	38	64	52	47	33	.....	.....	58	44	62	45	57	47	56	41	55	46
15	49	42	51	41	51	35	57	38	49	40	62	36	58	50	62	33	.....	.....	52	38	53	46	56	35	50	34	50	38
16	61	44	67	42	55	36	69	46	75	36	72	44	76	48	64	35	.....	.....	61	39	78	44	64	34	50	34	73	39
17	75	45	75	38	61	.....	77	49	82	42	80	47	85	50	84	40	.....	.....	68	39	79	42	70	42	56	32	82	40
18	78	47	82	43	65	.....	84	53	88	45	84	49	90	54	91	40	.....	.....	76	42	84	45	75	46	71	36	88	44
19	84	46	89	43	70	.....	88	66	93	45	90	55	96	57	81	41	.....	.....	81	45	85	48	.....	.....	77	39	92	46
20	91	50	92	49	80	.....	93	61	92	47	96	61	98	58	81	44	.....	.....	86	49	89	58	88	48	81	43	92	51
21	75	60	74	57	81	.....	68	50	72	48	92	48	72	55	73	51	.....	.....	84	54	83	42	.....	.....	83	49	64	48
22	76	53	80	47	83	.....	73	52	86	49	87	46	80	51	72	46	.....	.....	81	51	86	41	.....	.....	78	45	79	41
23	84	57	91	51	84	.....	90	57	95	52	92	54	96	59	81	41	.....	.....	85	58	85	48	84	43	85	50	92	50
24	90	56	97	53	83	.....	91	64	95	54	92	60	103	63	81	54	.....	.....	90	57	86	51	.....	.....	86	50	96	56
25	89	58	90	53	81	.....	94	65	90	54	95	65	102	67	81	49	.....	.....	87	58	88	50	88	55	85	50	96	55
26	92	58	97	54	85	.....	95	76	95	54	96	66	103	63	85	46	.....	.....	89	62	92	52	88	61	84	50	98	57
27	76	50	81	51	83	.....	76	59	70	50	91	52	77	61	79	46	.....	.....	82	58	87	52	80	58	78	49	63	52
28	73	42	80	40	87	.....	77	50	67	42	84	50	71	52	77	45	.....	.....	88	51	85	50	83	48	82	46	60	42
29	80	52	82	47	87	.....	84	49	73	38	86	50	75	50	70	45	.....	.....	79	57	86	51	79	50	74	57	70	44
30	67	52	72	54	73	.....	71	51	65	48	84	50	63	55	65	51	.....	.....	72	53	80	47	69	58	69	49	63	49
Mns.	75.2	47.6	78.6	46.1	75.1	.....	78.9	54.3	77.9	45.1	84.1	51.4	82.7	54.4	73.8	43.7	.....	.....	77.0	49.9	80.2	46.3	75.5[a]	46.9[a]	71.1	43.8	76.5	45.4

Date.	Washington.																											
	Aberdeen.		Blaine.		Colville.		Kosmos.		Lakeside.		North Head.		North Yakima.		Odessa.		Port Crescent.		Seattle.		Sixprong.		Spokane.		Tacoma.		Tatoosh Island.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	63	42	67	40	76	40	75	44	78	49	54	52	84	54	78	47	58	45	65	51	84	58	73	49	68	50	56	49
2	65	41	64	46	75	32	69	43	74	50	55	51	80	46	73	47	57	42	64	48	76	48	69	49	66	45	57	49
3	71	36	66	35	67	37	78	35	78	45	55	48	82	45	74	37	57	35	69	47	81	49	70	45	69	46	58	45
4	76	40	68	38	82	35	84	38	82	50	56	50	90	51	82	39	59	38	73	51	86	52	78	47	72	45	61	49
5	85	54	77	41	84	40	88	42	81	52	60	51	90	56	83	44	76	38	73	54	89	55	80	52	72	53	66	50
6	91	60	80	41	85	40	93	44	85	50	82	52	91	55	83	58	81	45	81	60	96	68	80	54	80	59	66	51
7	70	48	79	45	93	41	91	49	91	54	56	52	96	59	91	51	73	47	83	58	96	66	88	59	85	56	57	49
8	63	47	74	46	80	43	76	53	86	61	54	51	96	67	85	59	57	47	63	51	87	62	74	58	66	49	55	49
9	64	44	67	40	84	48	73	45	83	58	58	52	88	54	84	48	59	36	70	48	84	49	79	53	71	46	57	50
10	65	42	70	44	87	43	77	38	87	53	58	51	89	54	87	47	59	44	71	50	86	52	84	52	72	49	55	49
11	62	40	66	52	87	40	67	47	82	53	56	51	84	54	86	52	55	47	60	54	86	54	84	54	62	52	55	48
12	68	44	66	56	70	58	70	56	76	58	59	53	76	57	82	58	60	49	68	55	84	53	67	57	69	54	58	51
13	60	49	63	50	73	51	60	48	76	50	59	48	76	52	71	53	56	46	59	51	79	50	66	54	59	50	54	49
14	60	42	63	48	63	42	55	44	70	51	56	47	70	45	64	43	57	44	58	46	67	46	56	46	59	47	58	49
15	63	42	64	48	67	44	60	45	68	52	56	52	68	46	60	46	58	47	62	47	68	45	55	46	64	46	56	50
16	76	40	69	45	81	43	77	43	76	52	58	50	82	54	75	44	60	42	75	52	74	51	72	43	74	48	59	50
17	80	47	78	46	87	45	90	43	85	52	60	53	89	47	85	44	64	43	83	54	88	56	82	50	83	53	62	50
18	71	56	81	50	91	47	93	48	90	56	62	55	93	54	91	50	73	46	88	57	96	61	86	56	89	56	62	51
19	61	52	79	54	94	47	80	53	94	60	61	55	97	58	96	56	64	50	74	56	100	68	91	56	75	58	57	51
20	62	48	69	54	97	46	71	52	93	63	56	52	96	56	94	58	52	49	60	51	85	69	94	52	61	50	53	50
21	61	44	62	51	67	52	61	47	69	53	56	50	74	50	66	49	57	46	59	48	70	47	63	48	60	49	57	49
22	68	42	64	52	88	57	72	41	84	50	56	50	86	47	.....	.....	59	42	67	51	84	49	76	47	65	50	57	50
23	68	46	70	48	96	47	87	44	94	58	55	50	96	59	.....	.....	61	47	72	52	95	55	94	55	72	52	59	48
24	67	48	74	50	99	54	80	53	96	65	57	52	96	62	100	44	62	44	78	55	97	62	98	63	78	55	56	50
25	59	52	77	54	100	57	81	55	96	65	58	53	101	70	102	61	62	49	75	56	102	72	98	66	76	55	54	51
26	61	48	71	54	99	56	72	56	95	65	55	52	96	68	96	59	54	50	60	50	90	61	97	63	60	50	52	49
27	58	39	62	50	80	56	60	48	77	60	56	50	80	54	87	57	57	39	55	49	78	59	68	55	62	49	55	49
28	60	47	63	40	77	43	66	46	70	48	56	50	75	42	71	44	56	36	63	48	72	49	66	50	65	45	52	48
29	62	52	66	40	84	37	68	49	77	50	55	50	78	49	69	40	59	45	64	51	75	51	71	46	64	49	56	48
30	61	49	64	48	70	50	60	49	68	52	56	53	77	52	65	53	60	41	55	50	69	49	62	51	58	49	53	50
Mns.	66.7	46.0	69.4	46.9	82.8	45.7	74.5	46.5	82.0	54.5	57.7	51.2	85.9	53.9	81.4[b]	49.6[b]	60.7	44.0	68.2	51.7	84.1	55.5	77.4	52.5	69.2	50.5	57.1	49.4

TABLE 3.—*Maximum and minimum temperatures for June, 1912. District No. 12*—Continued.

Date.	Walla Walla, Wash.		Oregon.																					
			Ashland.		Baker.		Eugene.		Gold Beach.		Hermiston.		Marshfield.		Portland.		Prineville.		Roseburg.		The Dalles.		Vale.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	82	56	82	46	81	42	75	47	64	46	86	46	60	41	75	51	.....	.....	80	46	80	52	88	42
2	73	52	81	48	68	44	70	45	66	48	88	52	62	40	70	45	.....	.....	74	41	76	49	85	50
3	77	48	86	46	71	37	75	41	73	52	81	46	66	42	76	49	.....	.....	79	43	82	47	84	44
4	86	56	90	53	78	42	83	41	80	58	88	48	74	40	83	55	.....	.....	87	46	89	51	89	41
5	87	56	92	58	81	43	87	51	70	49	90	53	76	40	86	60	.....	.....	92	52	91	55	91	46
6	88	56	94	60	79	49	90	52	63	48	91	48	74	42	93	62	.....	.....	78	55	91	53	92	55
7	91	62	81	60	82	56	76	51	61	56	95	55	66	52	85	60	.....	.....	78	56	95	57	91	55
8	79	61	71	53	75	51	69	41	63	52	94	64	61	53	72	54	.....	.....	64	54	80	64	84	54
9	82	57	76	52	74	51	76	45	63	47	84	54	64	50	73	49	.....	.....	74	51	77	55	83	57
10	86	58	80	46	79	44	71	47	63	45	89	52	64	51	76	52	.....	.....	73	44	83	52	88	50
11	87	62	73	46	77	48	72	42	66	46	89	48	60	44	64	55	.....	.....	71	51	76	58	89	45
12	71	58	65	56	66	49	67	51	61	52	80	60	61	54	72	57	.....	.....	68	56	77	60	80	59
13	69	54	60	55	62	45	65	44	58	52	74	50	60	53	66	51	.....	.....	66	49	72	52	74	53
14	64	47	62	45	51	39	65	45	70	44	69	50	62	47	61	48	.....	.....	61	46	68	46	71	47
15	61	46	74	40	51	37	70	41	67	47	70	48	60	41	65	49	.....	.....	66	46	67	47	63	37
16	76	53	79	41	66	44	75	50	62	48	78	55	60	40	79	49	.....	.....	78	41	80	48	75	49
17	86	54	86	50	76	43	82	55	67	47	89	50	68	52	88	59	.....	.....	88	50	88	49	83	41
18	93	66	90	57	79	46	84	56	66	50	95	55	70	54	92	60	.....	.....	86	55	96	54	87	48
19	96	75	85	58	83	49	76	51	66	50	101	59	68	50	79	60	.....	.....	82	55	92	66	92	44
20	91	55	68	41	84	50	68	46	65	50	97	55	62	51	64	50	.....	.....	60	48	86	57	95	55
21	61	51	57	44	60	45	65	44	62	45	76	51	60	43	62	49	.....	.....	62	46	69	46	71	54
22	79	52	60	44	73	48	72	51	62	47	82	56	60	42	70	49	.....	.....	70	45	82	48	85	58
23	96	61	69	43	84	52	70	55	63	51	98	55	60	52	86	57	.....	.....	78	58	96	57	93	55
24	98	67	77	40	85	52	76	54	64	49	98	59	70	52	78	58	.....	.....	80	53	90	68	94	53
25	101	72	78	60	87	54	75	55	65	51	101	62	72	52	74	60	.....	.....	81	56	90	65	98	56
26	90	60	71	54	87	53	69	52	60	52	97	64	60	53	61	54	.....	.....	59	56	83	66	98	60
27	71	56	67	51	68	49	68	42	62	52	74	60	60	52	60	53	.....	.....	62	53	70	56	90	58
28	71	51	68	50	64	46	70	48	60	49	75	50	62	42	68	47	.....	.....	67	49	71	46	79	55
29	67	52	66	42	64	45	68	48	61	47	72	51	65	46	66	53	.....	.....	66	49	74	49	83	49
30	60	53	62	45	61	42	61	46	63	46	68	50	64	47	63	53	.....	.....	59	48	70	58	71	45
Means	80.6	56.9	75.0	49.5	73.2	46.5	73.0	47.9	64.7	50.0	85.6	53.5	64.4	47.3	73.6	53.6	.....	.....	73.7	49.9	81.3	54.4	84.9	50.5

[a], [b], [c], etc., indicate respectively 1, 2, 3, etc., days missing from the record.
§ § Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.