CLIMATOLOGICAL DATA FOR JUNE, 1913.

DISTRICT NO. 12, COLUMBIA VALLEY.

EDWARD A. BEALS, District Editor.

A large high-pressure area appeared over the Canadian Northwest on the 5th, which moved slowly eastward to the lake region and then south to the east Gulf States. It was the dominating feature of the weather map for eight days, and its magnitude and slow movement, combined with abnormally low pressure over Alaska and the Aleutian Islands, prevented the offshoots from the north Pacific belt of high pressure from moving far enough north to cause the usual summer conditions in the Columbia Valley. Upper air movement was sluggish and under the influence of relatively low pressure in this valley showery conditions began on the 7th and persisted throughout the month.

The rainfall was the heaviest in a quarter of a century, and thunderstorms and so-called cloudbursts were of frequent occurrence in the mountains and semiarid sections of the district. Fortunately these storms took place in sparsely settled regions and the casualties and losses were small. The rains injured the first cutting of hay and seriously interfered with its harvest, so, where not cut, it became overripe and suffered deterioration on this account. The ripening cherries suffered from too much rain, which caused them to crack open and spoil just at the marketing time. The ranges were greatly benefited and new grass made a good growth over large areas that had been barren for many years. The ranges heretofore had been overgrazed, but now there is not enough stock in the country for the feed that is available. The flood in the Columbia River, although unusually high, did not do much damage. The stages were accurately forecast for about five days in advance, and everybody had plenty of time to place his movable property above the high-water mark. There were no serious interruptions to construction work, nor did the transportation interests suffer as much as might be expected from the unusual weather conditions.

TEMPERATURE.

Taking the district as a whole the mean temperature for the month was slightly above normal. In southwestern Idaho and southern Oregon it was much cooler than usual, the departures ranging from −0.4° to −4.4°, and it was also somewhat cooler at scattered points in Washington and northern Oregon; elsewhere temperatures ranged from normal to nearly 5° above the June average. The Idaho mean temperature was the lowest recorded in June since 1908, and some freezing temperatures occurred at elevated stations in that State and at some points in Washington and Oregon. While the first week of the month was unusually warm for the season, the remainder of the month had many cool days, which brought the mean temperature to nearly normal.

The mean temperature, as determined from the records of 289 stations, was 60.5°, or 0.5° above normal. The highest temperature, 104°, was recorded on the 2d at Hanford, a station in southern Washington, at an elevation of 385 feet, and the lowest temperature, 21°, occurred on the 14th at Combs Flat, in central Oregon, at an altitude of over 4,000 feet. The greatest daily range in temperature was 57°, at Libby, Mont., at an elevation of 2,055 feet. The highest monthly mean, 73°, was recorded at Eltopia, in southeastern Washington, at about 600 feet elevation, and the lowest monthly mean, 50.2°, at Musick, in the mountains of southwestern Oregon at an altitude of 5,000 feet.

The following table shows for comparative purposes the mean temperature and departure from normal for the States of Oregon, Washington, and Idaho, and those portions of Montana and Wyoming in District No. 12, for the month of June during the last five years:

Years.	Oregon.		Washington.		Idaho.		Montana.		Wyoming.	
	Mean.	Departure.	Mean.	Departure.	Mean.	Departure.	Mean.	Departure.	Mean.	Departure.
1909	60.6	+1.1	61.0	0.0	61.6	+1.6	57.5	+0.9	53.6	+1.4
1910	59.0	−0.4	59.7	−1.5	61.7	+1.3	58.8	+0.2	54.4	+1.5
1911	58.9	−1.0	60.7	−0.7	61.5	+0.6	59.2	+2.4	54.4	+1.2
1912	60.8	+0.9	63.0	+1.5	62.5	+1.2	60.4	+3.3	52.5	+0.7
1913	59.7	+0.3	61.6	+0.7	61.2	−0.1	59.5	+1.6	53.3	+1.0

PRECIPITATION.

The precipitation was above the June average in practically every portion of the district. While it was comparatively dry during the greater part of the first decade, the remainder of the month was marked by unusually heavy rainfall in all sections, in some cases partaking of the nature of "cloudbursts," and breaking all records for June precipitation in Idaho and Oregon. The precipitation was most notably in excess in southwestern Montana, western Washington, and in northeastern and western Oregon, where it ranged from 1 to nearly 7 inches above the average. After the first week the precipitation was well distributed throughout the remainder of the month, there being an unusual number of days with rainfall during that period.

Snowfall to the amount of 1½ inches was recorded at Powell Butte, a station in central Oregon at an elevation of about 3,250 feet. The rapid melting of the snow by the high temperatures of the first week caused some apprehension regarding the water supply later in the season, but subsequent cooler weather checked the melting and at the close of the month all streams were carrying an ample flow for the needs of irrigation.

The average precipitation for the district as computed from the records of 408 stations was 2.92 inches, which is 1.73 inches more than normal. The greatest 24-hour

rainfall, 3 inches, occurred at Butte, Mont., at an elevation of 5,716 feet; this station also reported the greatest monthly amount, 8.86 inches. The least monthly amount, 0.21 of an inch, was recorded at Huntington, in eastern Oregon.

The average monthly precipitation with departure from normal for the month of June during the last five years is also shown in the following table for the States of Oregon, Washington, and Idaho, and for those portions of Montana and Wyoming in district No. 12:

Years.	Oregon.		Washington.		Idaho.		Montana.		Wyoming.	
	Mean.	Departure.	Mean.	Departure.	Mean.	Departure.	Mean.	Departure.	Mean.	Departure.
1909	0.66	−0.94	0.90	−0.96	0.71	−0.46	2.43	+0.31	1.09	+0.04
1910	0.97	−0.48	1.03	−0.56	0.22	−0.88	1.17	−1.29	0.16	−1.18
1911	1.36	−0.15	1.04	−0.68	2.45	+0.91	4.06	+1.60	2.43	+0.11
1912	2.30	+1.16	1.75	+0.37	1.40	+0.10	1.46	−0.69	1.96	+0.16
1913	3.10	+1.93	2.82	+1.42	2.87	+1.58	3.37	+1.52	3.36	+1.44

THE RIVERS.

The annual rise in the Columbia River continued during the month. The water had risen rapidly during the latter half of May and at the beginning of June was higher at most points than it had been for several years. The crest of the Columbia River flood came 15 days later than the crest of the Snake River flood, and this was fortunate for the riparian district below the confluence of the two streams. Had the two crests united the resultant flood would have been a serious one. As it was the stages exceeded any since 1903 at all Columbia River points and any since 1899 on the lower Snake River. The Snake River at Weiser was not as high as in 1910 and 1912, so the bulk of the flood water carried by the lower Snake must have come from the Salmon and Clearwater Rivers. The highest stage at Lewiston, Idaho, was 18.6 feet on the 1st, but the highest water of the season was recorded on the 29th of the preceding month. The flood crest in the Kootenai River passed Bonners Ferry on the 4th and 5th of June and the crest in the Pend Oreille River passed Newport on the 15th. The maximum stage at Wenatchee on the Columbia River was 46.9 feet on the 15th and 16th. At and below Kennewick the highest water of the season occurred a few days earlier, due to discharge from the Snake River. The maximum stage at The Dalles was 42 feet, recorded on the 12th. The locks at Cascade Locks were opened on June 24, at a gage reading of 28.8 feet, having been closed since May 30 on account of high water.

Backwater in the Willamette River maintained a stage at Portland that averaged 5.2 feet above the June normal and 7.9 feet above the 15-foot flood stage. The minimum stage was 20.9 feet on the 1st and 30th, and the maximum was 24 feet on the 8th, a maximum that has been equaled only three times in connection with the annual rise in the Columbia River.

The fisheries, pasturage, and warehouse interests were the ones most affected by the flood. Owing to ample warnings the loss of property was a comparatively small item, but loss due to suspension of business and the expense involved in moving or otherwise protecting property in flooded basements and warehouses was considerable.

The Willamette River was higher than usual for June, as the month in western Oregon was one of exceptionally heavy rainfall, particularly during the last two decades. Maximum stages occurred on the 18th and 19th above Portland, following the period of heaviest rainfall.

MISCELLANEOUS PHENOMENA.

Thunderstorms, in some instances accompanied by hail and sleet, were quite general in central and eastern Washington and Oregon and portions of Idaho, being unusually severe in the last-named State, where they caused some loss of life and property.

Frosts formed in exposed places on several dates at some of the more elevated stations in Oregon and freezing temperatures occurred at other points of high altitude in Idaho, but without causing material injury.

The prevailing winds were from a westerly direction, and there was somewhat less than the usual amount in Idaho. No maximum velocities above 45 miles an hour were reported from any station in the district.

The cooperative observer at Lakeside, Chelan County, Wash., reported, "There was a severe earthquake shock at 9.40 p. m. of the 25th, and also a lighter shock at 2 a. m. of the 26th."

A lunar halo was observed at Medford, Oreg., on the night of the 17th, and solar halos at Portland and Roseburg, Oreg., on several dates.

TORNADO IN WESTERN MONTANA.

By R. F. YOUNG, Section Director.

A storm which from reports of eyewitnesses appears to have been in the nature of a tornado occurred on June 28 in the Kootenai Valley between Libby and Eureka, Mont. The storm was first noticed in the form of a funnel-shaped cloud, at an elevation of about 300 feet above the ground, moving out of the mountains southwest of Libby, traveling in an easterly direction, and accompanied by a loud roaring sound. It followed the valley east, then northward toward Eureka. The whirling was plainly evident from the rotary movement of the débris that was carried by the storm. A large amount of timber was destroyed and some orchards in its path were badly damaged. Forest trees were uprooted, or in some cases twisted off 15 to 25 feet above the ground. Near Ronda, Mont., five empty freight cars and one car loaded with hay were blown from the track. Nearly all the windows in one side of the day coaches of a Great Northern passenger train that was caught in the storm were broken by the hail that accompanied the wind. Hailstones an inch and a quarter in diameter were picked up in the coaches. The path of the storm was about 300 feet wide, and its destructive effect was about 4 miles in extent. Evidence of its passage, however, were noticeable for a distance of 60 miles or more.

TABLE 1.—*Climatological data for June, 1913. District No. 12, Columbia Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				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 rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Montana.																				
Anaconda	Deer Lodge	5,300	11	56.4	+ 1.1	79	19	34	15	37	3.78	+ 1.44	.....	0	17	6	18	6	.....	C. D. Demond.
Butte	Silver Bow	5,716	18	58.0	+ 2.0	81	19	42	12†	32	8.86	+ 6.99	3.00	0	12	3	14	13	nw.	J. R. Wharton.
Columbia Falls	Flathead	3,100	17	62.2	+ 4.8	89	7†	30	15	45	4.38	+ 1.30	1.12	0	16	9	12	9	sw.	J. M. Grist.
Como	Ravalli	3,700	4	62.2	.....	91	1	45	27	41	3.15	.....	0.70	0	17	10	11	9	.....	Hiram Platt.
Dayton	Flathead	.....	8	60.4	− 4.4	89	1	36	16	43	2.45	+ 0.08	0.50	0	8	15	2	13	.....	A. J. Ruechell.
Deer Lodge	Deer Lodge	4,529	1	.....	.....	.....	.....	.....	.....	.....	3.41	.....	1.14	0	14	6	19	5	.....	H. B. Grant.
East Anaconda	do	5,500	7	57.2	.....	80	19	37	15	32	3.60	.....	1.51	0	17	6	18	6	s.	C. D. Demond.
Fortine	Lincoln	2,975	7	57.4	.....	87	1	28	15†	53	4.24	.....	1.05	0	15	7	11	12	sw.	Mike Petery.
Hamilton	Ravalli	3,575	10	61.2	+ 1.4	86	1	40	15	38	2.73	+ 0.87	0.84	0	16	11	2	17	n.	Hamilton Chamber of Commerce.
Hat Creek	Powell	6,000	3	.....	.....	.....	.....	.....	.....	.....	4.00	.....	0.91	0	20	4	14	12	e.	M. K. Landreth.
Haugan	Missoula	3,150	1	58.2	.....	87	2	29	15	51	2.26	.....	0.71	0	12	6	13	11	sw.	U. S. Forest Service.
Heron	Sanders	2,261	1	60.0	.....	89	7	34	17	49	3.48	.....	1.25	0	13	12	8	10	w.	E. Knott.
Kalispell	Flathead	2,965	14	60.7	+ 1.9	86	7	34	15	38	3.21	+ 1.47	1.70	0	16	9	16	5	w.	U. S. Weather Bureau.
Libby	Lincoln	2,055	3	60.6	+ 1.4	93	2	30	17	57	2.33	+ 0.55	0.47	0	13	12	7	11	.....	U. S. Forest Service.
Missoula	Missoula	3,225	34	61.9	+ 1.8	88	2	34	15	46	2.39	+ 0.13	0.43	0	17	8	4	18	.....	U. S. Weather Bureau.
Ovando	Powell	4,207	13	57.7	+ 3.3	83	1	32	15	48	4.05	+ 1.69	0.55	0	20	1	28	1	w.	S. B. Muchmore.
Philipsburg	Granite	5,275	9	57.3	.....	86	1†	33	15	47	4.95	.....	1.15	0	16	14[a]	9[a]	6[a]	sw.	G. T. Bramble.
Plains	Sanders	2,475	14	61.2	+ 2.8	86	2†	34	15	41	2.36	+ 0.70	0.51	0	15	4	23	3	sw.	James M. Self.
Pleasant Valley	Flathead	3,500	5	56.5	.....	82	1†	29	15	50	1.88	.....	0.50	0	14	8	3	19	w.	A. D. Stillman.
Polson	do	2,920	5	62.0	.....	85	4	38	14	40	2.41	.....	0.70	0	7	.....	.....	.....	.....	F. P. Brown.
St. Ignatius	Missoula	2,700	7	58.4	.....	86	1†	28	6	52	3.42	.....	0.65	0	16	13	7	10	.....	U. S. Reclamation Service
Saltese	do	3,600	8	.....	.....	.....	.....	.....	.....	.....	3.35	.....	0.52	0	13	9	0	21	w.	Martin Pixley.
Stevensville	Ravalli	.....	1	59.2	.....	87	1	36	15	42	3.43	.....	0.77	0	20	13	5	12	sw.	University Orchard Co.
Thompson Falls	Sanders	2,462	1	60.4	.....	88	1†	35	6†	48	2.18	.....	0.35	0	15	14	3	13	w.	U. S. Forest Service.
Trout Creek	do	2,375	1	.....	.....	.....	.....	.....	.....	.....	2.10	.....	0.35	0	9	17	0	13	sw.	James Hylent.
Victor	Ravalli	3,414	.....	61.8	.....	88	1†	39	15	43	3.20	.....	0.93	0	12	12	8	10	sw.	R. W. Fisher.
Willow Glen Stock Farm	Deer Lodge	5,064	2	57.4	.....	90	19	30	29†	47	.....	.....	.....	0	.....	5	1	24	ne.	G. E. Luce.
Wyoming.																				
Afton	Lincoln	6,200	9	55.5	.....	81	21	33	1†	45	3.15	.....	0.50	0	12	9	11	10	.....	A. V. Call.
Alta	do	6,500	3	52.6	.....	75	19	30	12	38	3.34	.....	0.46	0	20	7	8	15	sw.	Mrs. Lucy Brown.
Bechler River	Yellowstone Park.	6,500	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bedford	Lincoln	5,900	13	54.2	+ 1.0	78	21†	33	2	45	3.20	+ 1.44	0.70	0	12	14	8	8	w.	C. G. Heiner.
Moran	do	6,770	1	.....	.....	86	15	31	12	51	3.19	.....	0.60	0	17	5	22	3	.....	U. S. Reclamation Service
Snake River	Yellowstone Park.	7,000	7	51.0	.....	75	16†	30	2	42	3.73	.....	0.57	0	19	10	12	8	sw.	U. S. Army.
Nevada.																				
San Jacinto	Elko	.....	8	57.0	.....	88	19	32	21	52	2.85	.....	1.12	0	14	2	18	10	n.	F. W. Marchant.
Idaho.																				
Albion	Cassia	4,650	10	58.6	− 1.3	86	21	34	21	52	2.96	+ 1.87	0.84	0	10	6	20	4	w.	C. E. Bocock.
Almo	do	.....	3	.....	.....	.....	.....	.....	.....	.....	5.50	.....	1.40	0	8	19	3	8	.....	Wm. D. Cahoon.
American Falls	Power	4,341	21	.....	.....	.....	.....	36	21	.....	1.20	+ 0.17	0.24	0	10	18	12	0	ne.	Geo. Stoll.
Arrowrock	Boise	3,100	1	65.9	.....	96	7	40	20	44	2.22	.....	0.91	0	11	17	9	4	w.	U. S. Reclamation Service.
Blackfoot	Bingham	4,503	17	61.0	− 1.0	86	21	37	21	49	1.17	+ 0.31	0.32	0	11	8	18	4	sw.	E. A. Dowd.
Blackfoot Dam	Bannock	6,200	3	56.4	.....	85	22	33	30	46	3.74	.....	0.75	0	17	10	4	16	s.	S. C. Waddell.
Bogus Creek	Boise	4,200	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.82	0	15	0	28	2	.....	F. P. Ingraham.
Boise	Ada	2,739	27	65.0	− 1.0	89	2	45	20	34	1.64	+ 0.76	0.45	0	13	7	11	12	nw.	U. S. Weather Bureau.
Boise King	Elmore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. W. Stevens.
Bonners Ferry	Bonner	1,850	6	58.8	.....	86	7	33	15	46	2.61	.....	0.72	0	10	14	6	10	sw.	W. H. Heideman.
Boulder Mine	Boise	4,800	3	.....	.....	.....	.....	.....	.....	.....	2.79	.....	0.60	0	13	14	7	9	.....	Patrick Moriarty.
Buhl	Twin Falls	3,800	6	63.3	.....	87	2	44	20	38	2.49	.....	0.95	0	11	8	19	3	w.	S. C. Orr.
Caldwell	Canyon	2,372	8	65.8	.....	95	9	39	20	44	1.95	.....	0.47	0	8	4	17	9	w.	Wm. J. Boone, D. D.
Caldwell Expt. Station	do	.....	1	62.0	.....	85	17†	38	20	47	1.68	.....	0.48	0	6	.....	.....	.....	.....	C. B. Hampson.
Cambridge	Washington	2,651	17	64.4[a]	+ 0.6	92[a]	3†	40[a]	20	45[a]	3.13	+ 2.01	0.80	0	9	.....	.....	.....	sw.	C. H. Shepherd.
Cedar Creek Dam	Twin Falls	5,220	2	.....	.....	.....	.....	.....	.....	.....	3.98	.....	1.18	0	17	11	16	3	w.	Robert Hoffman.
Chesterfield	Bannock	5,424	16	57.6	+ 1.4	83	2	35	1†	47	4.54	+ 3.21	0.79	0	17	3	23	4	sw.	C. S. West.
Clarks Fork	Bonner	2,084	1	59.7	.....	86	7	40	17	40	2.64	.....	0.41	0	14	11	11	8	.....	Wm. Potter.
Clyde	Custer	6,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. L. Sutcliffe.
Coeur d'Alene	Kootenai	2,157	18	63.3	+ 2.4	96	7	40	15†	43	4.45	+ 2.96	0.82	0	16	.....	.....	.....	.....	J. H. O'Rourke.
Council	Adams	3,059	1	63.6[b]	.....	93[b]	2	40[b]	16	40[b]	5.02	.....	1.85	0	13	.....	.....	.....	.....	F. L. Featherston.
Culdesac	Nez Perce	1,520	4	63.8	.....	92	1	42	6†	44	2.29	.....	0.40	0	14	12	16	2	.....	Mrs. B. B. Caldwell.
Deary	Latah	2,854	1	.....	.....	.....	.....	.....	.....	.....	4.54	.....	1.00	0	.....	.....	.....	.....	sw.	W. J. Davis.
Dent	Clearwater	1,350	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Emil Schuessler.
Driggs	Fremont	6,097	6	54.1	.....	77	19†	31	21	46	2.63	.....	0.43	0	13	4	9	17	sw.	W. H. Durrant.
Emmett	Canyon	2,350	6	68.0	.....	95	18	42	20	41	1.67	.....	0.50	0	8	4	17	9	w.	U. S. Forest Service.
Forney	Lemhi	6,000	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. B. Merritt.
Garnet	Elmore	2,575	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. A. Kenison.
Geneva	Bear Lake	6,171	4	.....	.....	.....	.....	.....	.....	.....	1.23	.....	0.62	0	4	20	6	4	.....	F. W. Boehme.
Glenns Ferry	Elmore	2,569	4	67.8	.....	97	3	40	20†	52	1.38	.....	0.37	0	9	15	8	7	.....	I. E. Perkins.
Gooding	Gooding	3,572	3	63.0	.....	91	2	39	21	48	0.91	.....	0.34	0	10	6	9	15	w.	John Krall, jr.
Grace	Bannock	5,400	6	62.4	.....	92	1†	39	29	52	.....	.....	0.40	0	.....	9	6	15	nw.	E. W. Joy.
Grand Forks	Shoshone	3,000	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John E. Keach.
Grandview	Owyhee	2,300	3	68.4	.....	97	18	42	21	45	0.97	.....	0.29	0	7	15	7	8	sw.	H. E. Hanna.
Grimes Pass	Boise	5,200	3	.....	.....	.....	.....	.....	.....	.....	2.99	.....	0.49	0	17	.....	.....	.....	.....	Jos. M. Clarke.
Guffey	Owyhee	2,381	4	69.6	.....	96	2	47	12	42	1.27	.....	0.26	0	10	21	9	0	e.	Fred Perry.
Hailey	Blaine	5,347	10	58.2	− 1.2	83	3	36	20	42	3.15	+ 2.34	0.52	0	13	2	14	14	sw.	U. S. Forest Service.
Hollister	Twin Falls	4,550	1	60.4[d]	.....	86[d]	21	38[d]	20	46[d]	2.40	.....	0.90	0	12	.....	.....	.....	w.	J. W. Bouten.
Hotspring	Owyhee	2,590	7	66.9	.....	93	2†	43	20	41	1.10	.....	0.40	0	7	7	16	7	.....	J. M. Waterhouse.
Idaho Falls	Bonneville	4,742	18	61.5	+ 2.2	87	19	42	4	42	2.99	+ 1.55	0.74	0	13	11	10	9	ne.	Dr. T. M. Bridges.
Indian Cove	Owyhee	.....	.....	66.8	.....	95	2	40	20†	51	2.16	.....	0.76	0	14	16	3	11	e.	Capt. O. M. Carter.
Indian Valley	Adams	2,999	4	.....	.....	.....	.....	.....	.....	.....	2.88	.....	1.00	0	10	14	7	9	n.	A. M. Henke.
Irwin	Bonneville	6,500	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Eva Buckland.
Kellogg	Shoshone	2,305	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. McM. Huff.
Kilgore	Fremont	.....	.....	51.1[e]	.....	75[e]	2	31[e]	12†	43[e]	6.02	.....	0.90	0	18	.....	.....	.....	nw.	W. H. McCormick.
Kirkham	Boise	4,200	3	.....	.....	.....	.....	.....	.....	.....	2.84	.....	0.76	0	9	5	16	9	.....	Mrs. Josie B. West.
Kooskia	Idaho	1,261	4	63.7	.....	92	1	40	6	47	3.57	.....	0.80	0	11	8	12	10	.....	U. S. Forest Service.
Lakeview	Bonner	2,250	15	59.8	+ 0.5	85	2	40	9	38	3.10	+ 1.14	0.56	0	12	10	3	17	sw.	E. D. Faust.
Landore	Adams	5,300	8	52.2	.....	78	1†	32	19†	38	7.11	.....	1.54	0	18	9	12	9	.....	Mrs. Emma L. Brown.
Leadore	Lemhi	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tom Keating.
Lewiston	Nez Perce	757	19	66.6	− 2.5	95	1	47	15	41	3.78	+ 2.74	1.01	0	13	10	8	12	ne.	U. S. Weather Bureau.
Little Camas	Elmore	5,000	3	.....	.....	.....	.....	.....	.....	.....	2.37	.....	0.34	0	13	0	10	20	w.	Solon McCoy.

TABLE 1.—*Climatological data for June, 1913. 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.																				
Loon Creek	Custer	6,000	3	52.6		81	4	28	20	48	2.78		0.73	0	19	2	4	24	sw.	Mrs. Mary Williams.
Mackay	do	5,897	5	56.2		77	16†	38	24	38	2.30		0.80	0	11	12	12	6	nw.	U. S. Forest Service.
Meridian	Ada	2,657	2	65.5		92	2†	42	15†	40	2.28		0.54	0	13	7	11	12	nw.	A. W. Garrett.
Mesa	Adams	3,275	2	63.0		90	2	42	25	33				0	6	6	0	24	n.	I. S. Carter.
Middle Fork	Idaho	1,397	2																	Jos. McGhee.
Milner	Twin Falls	4,110	9	63.6	+ 2.0	89	17	42	11	42	2.06	+ 0.74	0.59	0	9	4	24	2	w.	J. K. Young.
Moore	Blaine	5,700	12	54.9	− 1.4	76	1†	33	21	36	2.15	+ 0.93	0.82	0	14	15	10	5	sw.	Chas. B. Lemon.
Moscow	Latah	2,748	20	59.4[a]	+ 0.5	85[a]	8	41[a]	5†	33[a]	3.20	+ 1.78	0.46	0	12				w.	University of Idaho.
Mountainhome	Elmore	3,150	7	63.4		92	17†	37	20†	53	1.66		0.55	0	12	6	10	14		Mrs. Ellen Manion.
Murtaugh	Twin Falls		6	61.6[d]		86[d]	2	39[e]	21	43[i]	1.72		0.75	0	4				w.	J. E. Steinour.
New Meadows	Adams	3,950	8	56.3		86	1	28	21	48	3.38		0.61	0	14	8	17	5	s.	Lee Highley.
Nezperce	Lewis	3,082	3	58.5		86	2	36	15	42	3.68		0.82	0	17	13	6	11		P. Mitchell.
Oakley	Cassia	4,700	19	61.6	− 0.8	90	21	30	11	46	3.01	+ 1.99	0.90	0	8	5	11	14		John Adams.
O'Hara Bar	Idaho	1,557	2																	J. D. Agnew.
Orofino	Clearwater	1,027	8	63.6		93	1†	40	6	48	4.31		0.80	0	14	11	18	1		Geo. Alteneder.
Paris	Bear Lake	5,946	18	55.4	− 0.3	82	16†	29	1	49	3.42	+ 2.56	0.87	0	8	7	18	5	w.	John Norton.
Payette	Canyon	2,159	21	65.6	− 0.4	93	2	39	20	43	3.00	+ 2.21	0.60	0	11	7	10	13	n.	E. F. Allen.
Pierson	Custer	7,000	4	50.2		74	5	24	15	44	2.93		0.39	0	13	13	3	14	s.	D. P. Clarke.
Pleasant Valley	Ada	3,000	5	63.8		93	18	35	20	46	1.60		0.37	0	11	12	6	12	nw.	C. E. Friedrich.
Pocatello	Bannock	4,483	13	62.9	− 1.2	86	21	42	11	40	1.96	+ 0.97	0.65	0	11	4	14	12	se.	U. S. Weather Bureau.
Pocatello Nursery	do	5,396	6	59.0[e]		88[e]	15	36[e]	12	48[e]	2.69			0	13				sw.	Mrs. Fannie E. Say.
Poplar	Bonneville	5,500	3	60.2		83	2†	37	12	42	2.85		0.63	0	12	6	18	6	sw.	C. M. Lawrence.
Porthill	Bonner	1,665	23	59.4	− 0.2	80	3†	36	15	37	1.64	− 0.08	0.22	0	14	13	8	9	sw.	H. A. French.
Priest River Experiment Station:																				
No. 1	do	2,500	1	59.4		88	1	37	15	42	3.83		0.87	0	17	12	5	13	se.	D. R. Brewster.
No. 2	do	2,500	1	60.3		88	1†	36	15	46	3.38		0.72	0	15	13	5	12	sw.	Do.
No. 3	do		1	58.1		88	2†	30	15	54	3.31		0.73	0	14	13	5	12	sw.	Do.
Pyle Creek	Boise	3,100	3								3.03		0.96	0	15	14	11	5	s.	P. V. Smith.
Richfield	Lincoln	4,306	3	61.2		88	2	39	20†	46	1.94		0.43	0	12	3	22	5	sw.	Idaho Irrigation Co.
Rogerson	Twin Falls			58.5[d]		81[d]	23	37[d]	11	42[d]	4.32		1.98	0	12					J. S. Bussell.
Roseberry	Boise	4,872	3																	Rev. T. P. Graham.
Roseworth	Twin Falls	4,650	2								2.87		1.06	0	14	0	16	14	sw.	D. B. Hartwell.
Rupert	Minidoka	4,204	6	61.6		86	2	40	22†	45	2.18		0.53	0	9	19	6	5	sw.	Will Parry.
St. Anthony	Fremont	4,968																		Heber C. Sharp.
St. Maries	Kootenai	2,263	15																	J. S. Turnbull.
St. Michaels Priory	Idaho	3,811		57.0		80	2	40	20	25	4.54		0.77	0	16	5	10	15	nw.	Rev. Father Berthold, O.S.B.
Salmon	Lemhi	4,040	7	60.2		89	6	37	15	45	3.38		0.89	0	20	8	14	8	w.	E. K. Abbott.
Sandpoint	Bonner	2,086	2	60.9[a]		88[a]	2	35[a]	15	44[a]	3.76		1.10	0	11	13	6	11	se.	S. M. Moore.
Sheep Hill	Boise	5,000	3								3.12		0.74	0	13					C. M. Gardner.
Shoshone	Lincoln	3,968	5																	Zell Truman.
Silver City	Owyhee	6,280	5								3.42		0.76	0	14	4	10	16		Russell Stoddard.
Soldier Creek	Blaine	5,755	2	54.2		79	15	33	20†	43	3.09		0.88	0	13	9	8	13	nw.	J. E. Minear.
Spirit Lake	Kootenai	2,560	2																	M. C. Krause.
Springfield	Bingham	4,420	4	62.4		88	21	39	12	45	1.96		0.30	0	11	10	12	8	sw.	Mrs. W. A. Edwards.
Spring Hill	Ada	3,607		64.4		90	18	42	20	34	2.29		0.49	0	10	9	9	12	nw.	R. G. Lyons.
Sugar	Fremont	4,892	5	59.1		82	3†	35	21	39	3.25		0.66	0	13	9	10	11	sw.	Utah-Idaho Sugar Co.
Sunnyside	Elmore	3,500	3	69.2		96	23†	37	10	53				0	6				nw.	Col. M. W. Wood.
Tripod Mountain	Boise	4,300	3								3.80		1.07	0	8	12	8	10		Mrs. Verna Paddock
Twin Falls	Twin Falls	3,825	7	62.8		91	2	39	21	47	2.54		0.75	0	10	2	22	6	sw.	J. A. Waters.
Vernon	Fremont	5,050	14	57.0[e]	+ 0.2	85[e]	14	34[e]	12	41[e]	2.62	+ 1.13	0.52	0	13				sw.	A. M. Slatery.
Wallace	Shoshone	2,723	5	59.4		87	7	34	15	45	4.17		0.75	0	14				w.	U. S. Weather Bureau.
Weiser	Washington	2,114	1	68.4		99	18	45	12†	47	3.48		1.01	0	11	2	10	18	se.	J. W. Lapish.
Wendell	Gooding	3,400	4	64.4		91	2	41	21	45	2.04		0.65	0	11	8	18	4	w.	Chas. L. Dingler.
Weston	Franklin	4,460	14	60.9	+ 0.3	88	22	39	30	46	2.95	+ 1.85	0.63	0	12	13	6	11	sw.	Wm. T. Chatterton.
Washington.																				
Aberdeen	Chehalis	162	22	58.8	+ 2.4	81	1	40	6†	38	6.40	+ 2.96	1.45	0	16	14	6	10	w.	H. A. Benham.
Anacortes	Skagit	60	19	58.2		76	1	42	4†	31	2.28	+ 1.16	0.42	0	14	8	17	5		Douglass Allmond.
Anatone	Asotin	2,800		55.9		83	7	33	15	40	4.34		0.90	0	13	10	15	5	sw.	W. A. Hamilton.
Baker	Skagit	390	7	60.2		84	2	38	15	38	3.80		0.60	0	14	8	6	16		R. M. White.
Bellingham	Whatcom	60	18	60.2	+ 2.0	79	2	43	10	31	3.13	+ 1.55	0.84	0	11	10	13	7		Sanford B. Mayhew.
Bellingham, near	Whatcom	107	2																	U. S. Bureau of Plant Industry.
Blaine	Whatcom	57	16	57.6	+ 0.2	74	3	38	6	32	2.77	+ 0.59	0.90	0	14	9	15	6	sw.	John W. Sheets.
Blewett	Chelan	2,200	4																	John Burmeister.
Bremerton	Kitsap	40	15								2.04	+ 0.63	0.58	0	9					U. S. Navy Yard.
Brewster	Okanogan	1,620	3	64.6		90	1†	41	15	35	2.02		0.41	0	12	10	17	3	sw.	Mrs. H. F. Bertram.
Buckley	Pierce	685		58.8		84	2	40	6	36	4.35		0.72	0	21	5	7	18	sw.	G. C. Sears.
Bumping Lake	Yakima	3,400	2	51.2		82	1	32	13	45	1.70		0.30	0	10	10	4	16		U. S. Reclamation Service.
Cedar River	King	535	6																	Geo. Landsburg.
Centralia	Lewis	212	20	60.6	+ 1.3	89	2	35	5	45	3.42	+ 1.28	0.94	0	12	3	18	9	s.	I. S. Turner.
Clearbrook	Whatcom	140	10	57.6	+ 0.2	79	1†	35	6	42	3.58	+ 1.46	0.90	0	12	5	17	8	w.	George Gibbs.
Cle Elum	Kittitas	1,930	4	57.2	+ 0.9	91	1	33	15	53	0.98	+ 0.04	0.37	0	9	17	10	3	sw.	J. A. Balmer.
Colfax	Whitman	2,300	24	60.8	+ 1.6	93	2	34	6	49	3.28	+ 2.27	0.64	0	12	17	3	10	n.	I. B. Doolittle.
Colville	Stevens	1,635	13	62.2	0.0	95	1	35	15	53	4.35	+ 2.87	1.28	0	15	11	6	13	sw.	W. L. Sax.
Conconully	Okanogan	2,300	13	60.2	+ 0.3	84	1†	36	15	39	3.07	+ 1.68	0.82	0	15	10	11	9		Wm. Baines.
Coulee City	Grant	2,400																		M. E. Jolly.
Cowiche	Yakima	1,874	2	63.9		91	2	40	14	37	0.86		0.28	0	8	13	15	2	nw.	U. S. Reclamation Service.
Darrington	Snohomish	567																		Prof. N. C. Rhoads.
Davenport	Lincoln	2,450	4	60.8		89	1	36	5	42	3.91		0.93	0	10	15	10	5		J. L. Thayer.
Dayton	Columbia	1,700	27	62.8	+ 0.3	89	1	34	21	42	3.99	+ 2.85	1.00	0	13	9	19	2	sw.	W. W. Hendron.
Deer Park	Spokane	2,050	2	59.1		90	2	31	15	48	2.31		0.58	0	12	20	4	6	s.	Robert Allison, jr.
Detroit	Mason	30	5	60.4		87	1	36	7	43	1.97		0.43	0	12	8	15	7	sw.	Walter O. Eckert.
Dixie	Walla Walla		4								5.88		1.89	0	15	7	8	15	sw.	T. Z. Andrews.
Douglas Lake	Skagit	440																		Michael Pecovitch.
Dryden	Chelan	960	3								1.41		0.43	0	9	22	5	3	nw.	Wenatchee Valley Gas & Electric Co.
Duckabush	Jefferson	380	4																	E. G. Newman.
Ellensburg	Kittitas	1,571	25	61.9	+ 1.4	92	1	36	17	52	1.07	+ 0.41	0.30	0	8	18	6	6	nw.	R. Lee Barnes.
Eltopia	Franklin	598		73.0[e]		103[e]	2	45[e]	5	48										Frank O. Young.
Forks	Clallam	480	2																	R. H. Palmer.
Fort Simcoe	Yakima	1,427	18																	Richard Newmark.
Gerome	Stevens	1,200	1	62.8		93	2	39	5†	47	2.87		0.46	0	13	9	19	2		W. W. King.

TABLE 1.—*Climatological data for June, 1913. District No. 12*—Continued.

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.		
***Washington*—Con.**																				
Goat Lake	Snohomish	2,900	4								3.61		0.64	0	12					C. M. Mackintosh.
Gold Basin	do	1,360	2	56.6		83	1	34	5	41	6.22		1.19	0	16	14	0	16	sw.	U. S. Forest Service.
Gold Creek	Yakima	2,600	4								1.80		0.60	0	4	14	7	9	w.	J. W. Anderson.
Goldendale	Klickitat	1,600	7	62.5		95	1	40	14	45	1.20		0.35	0	9	5	23	2	w.	Klickitat County Abstract Co.
Granite Falls	Snohomish	397	10								4.54	+ 0.93	0.73	0	19	9	6	15	nw.	C. H. Cleaver.
Grays River	Wahkiakum																			A. B. Martin.
Hanford	Benton	385		70.6		104	2	42	5	55	1.11		0.65	0	4	8	21	1	sw.	Francis Lee Bash.
Hatton	Adams	1,100	8	64.7		101	1	37	5†	53	2.04		0.71	0	5	7	8	15	sw.	Dr. A. V. Marion.
Huntsville	Columbia	1,400	5								3.02		0.82	0	7					Sarah J. Hill.
Irene Mountain	Okanogan	2,700	4								2.99		0.42	0	14	8	6	16	s.	Mrs. Theo. Wheeler.
Kennewick	Benton	368	18	70.0[a]	+ 0.7	101[a]	1	45[a]	6	51[a]	1.22	+ 0.92	0.73	0	6					R. E. Reed.
Kent	King	53		60.8		86	2	37	6	43	2.99		0.68	0	12	10	5	15	s.	A. O. Jeffries.
Kettle Falls	Stevens	1,265	4	62.8		92	1†	40	15	46	3.06		0.80	0	17	10	12	8		Harry H. Cole.
Kiona	Benton	430	7	67.4		98	2	43	6	47	0.70		0.54	0	2	15	12	3	sw.	Dr. F. S. Hedger.
Kosmos	Lewis	775	7	60.0		90	1	37	6	46	4.02		0.95	0	16	8	22	0	ne.	J. A. Ulsh.
La Center	Clarke	250	16	58.6	− 0.7	86	1	39	6	40	5.14	+ 2.92	1.12	0	16	10	17	3	sw.	Joseph Brothers.
La Crosse	Whitman	1,400	4	63.0		91	1†	34	6	50	1.89		0.65	0	9	13	10	7	sw.	M. E. Schreck.
Lake Clealum	Kittitas	2,171	4	55.0		84[a]	1	35[a]	15	43[a]	0.87		0.34	0	7	5	9	16	nw.	U. S. Reclamation Service.
Lake Kachess	do	2,235	5	56.8		86	1	36	15	45	1.14		0.46	0	8	8	7	15	w.	U. S. Reclamation Service.
Lake Keechelus	do	2,479	5								2.39		0.40	0	13	7	12	11	w.	U. S. Reclamation Service.
Lakeside	Chelan	1,116	22	66.4	+1.0	92	2	45	14†	37	0.86	+ 0.06	0.20	0	9	8	21	1	w.	W. H. Van Meter.
Laurel	Klickitat	1,900	4								1.44		0.48	0	8	10	19	1	w.	Mrs. Minnie E. Strout.
Laurier	Ferry	1,644	3	62.5		90	1†	35	15	48	3.23		0.81	0	16	2	10	18	s.	Mrs. J. S. Myers.
Lone Tree	Chehalis	9	4	57.4		69	17	48	5†	18	4.74		0.95	0	19	8	18	4	nw.	U. S. Engineer Corps.
Longmires Springs	Pierce	2,800	2																	National Park Ranger.
Lost Creek	Okanogan	3,125	4								2.88		0.90	0	11	7	12	11		P. H. Leese.
McConihe	Grant	1,072	2	67.6		97	1†	42	5	46	1.38		0.70	0	9	15	11	4	sw.	L. F. McConihe.
McCumbers Ranch	Yakima	2,182	3								1.25		0.50	0	4	10	19	1	sw.	Mrs. Mary McCumber.
Moses Lake	Grant	1,070	2								1.15		0.40	0	7	24	5	1		H. M. Flemming.
Mottinger	Benton	307	13	68.2	− 0.9	96	2	48	5†	39	0.73		0.21	0	6	22	4	4	w.	G. H. Mottinger.
Mount Pleasant	Clallam	500	2	54.6		76	1	38	5	31	1.91		0.93	0	11	10	8	12	nw.	Wm. M. Dorr.
Moxee	Yakima	1,000	21	66.4	+ 1.8	98	2	37	14	49	0.99	+ 0.35	0.42	0	9	16	10	4	w.	H. B. Scudder.
Newport	Stevens	2,400	3	57.2		90	1	33	6	51	3.75		1.10	0	16	10	11	9		Chas. M. Talmadge.
North Head	Pacific	211	11	55.4	+ 0.4	64	20	48	5	12	5.14	+ 3.37	0.80	0	17	7	10	13	nw.	U. S. Weather Bureau.
North Sundale	Klickitat		4	67.4		95	1†	40	18	38	0.60		0.21	0	6					Ruth J. Shepard.
Northport	Stevens	1,350	4	63.3	+ 2.4	92	1†	40	14	47	4.30	+ 2.48	0.65	0	19	8	17	5		W. F. Case.
North Yakima	Yakima	1,070	4	66.3		94	2	40	14	36	0.78		0.24	0	10	17	6	7	nw.	Albert Bender.
Odessa	Lincoln	1,540	10	63.9		93	1	40	6†	48	2.14		0.97	0	8	9	20	1	sw.	H. W. Rieke.
Olga	San Juan	50	23	57.0	+ 0.4	70	1	44	10	20	2.58	+ 1.20	0.72	00	10	10	13	7	sw.	Cecil S. Willis.
Olympia	Thurston	45	35	60.4	+ 1.3	89	2	37	5	48	3.24	+ 1.54	0.64	0	14	11	5	14	sw.	M. O'Connor.
Omak	Okanogan	850	4	66.0		97	1†	39	16	50	2.89		0.72	0	11	15	8	7	s.	Saint John Umbrite.
Oroville	do	922	3								3.00									M. C. Jackman.
Peola	Garfield	5,000	4								6.22		1.06	0	17	15	5	10	sw.	Samuel Gruell, Sr.
Pomeroy	do	1,500	21	62.4	− 1.6	89	1†	43	15	40	3.02	+ 2.22	0.50	0	12	7	15	8	w.	Peter McClung.
Port Crescent	Clallam	259	18	53.2	− 0.2	74	1	34	16	31	2.41	+ 0.58	0.60	0	14	3	15	12	w.	U. S. Weather Bureau.
Port Townsend	Jefferson	80	23	57.0	− 0.7	74	1	42	4	22	1.83	+ 0.32	0.65	0	10	10	3	17	se.	Frank Plummer.
Prosser	Benton	661		67.4		98	1†	43	14	47	0.75		0.34	0	4	10	15	5	w.	E. L. Capps.
Pullman	Whitman	2,550	21	63.8	+ 4.3	88	1	45	5	36	2.87	+ 1.67	0.71	0	15	12	11	7	sw.	State Agricultural College.
Queets River	Jefferson	16	2	56.8		74	18	40	6	28	7.13		1.19	0	15	8	9	13	sw.	C. A. Bullard.
Quiniault	Chehalis	300	6	58.8		86	1	39	7	42	8.43		2.00	0	14	8	19	3	w.	A. V. Higley.
Reardan	Lincoln	2,510	13	60.9	+ 1.5	84	2	36	16	39	2.58	+ 1.71	0.40	0	11	6	4	20	sw.	C. B. Shoemaker.
Republic	Ferry	2,628	13	59.0	+ 0.9	89	1	30	17	47	3.01	+ 1.24	0.50	0	17	10	7	13	s.	G. B. Stocking.
Rex Creek	Chelan	1,135	6	61.2[i]		86[i]	1	42[i]	15	38[i]	0.96		0.32	0	5				nw.	J. W. Nicol.
Ritzville	Adams	1,825	14								2.00	+ 1.49	0.80	0	9					Agent, N. P. Ry. Co.
Robertsville	Klickitat																			R. R. Couger.
Rock Lake	Whitman	1,910	7								3.57		0.78	0	15					H. C. Melcher.
Rosalia	do	2,425	21	61.2	+ 2.8	87	1†	40	15	37	3.59	+ 2.59	0.80	0	14	12	11	7	sw.	Hans Mumm.
Russells Ranch	Yakima	2,870	4								1.48		0.32	0	12	11	10	9	w.	Mrs. Adella Russell.
Seattle	King	208	22	59.5	− 0.6	81	2	47	15	27	1.71	− 0.01	0.32	0	14	7	11	12	s.	U. S. Weather Bureau.
Sedro-Woolley	Skagit	38	16	59.0	− 0.4	84	2	36	10	40	4.27	+ 1.64	0.81	0	20	10	12	8		Mrs. H. L. Devin.
Sixprong	Klickitat	1,240	6	69.1		97	1†	40	13	41	1.08		0.51	0	8	18	7	5	sw.	C. E. Comstock.
Skagit Power Dam	Whatcom	510	3	60.4		91	1	39	5	46	3.19		0.70	0	15	13	5	12		Skagit Power Co.
Snohomish	Snohomish	55	19	60.2	+ 1.1	85	2	39	5†	40	2.97	+ 0.53	0.68	0	10	16	8	6	w.	James Bylling.
Snoqualmie Falls	King	667	14	62.4[b]	+ 2.6	89[c]	2	40[c]	6	44[c]	4.22	+ 1.50	0.80	0	17	12	1	17		O. N. Wiswell.
Snoqualmie Pass	King	3,000	4																	R. E. Chadwick.
Snyders Ranch	Okanogan	2,200	4	57.5		92	1	30	15	55	2.57		0.47	0	8	9[a]	17[a]	3[a]	nw.	G. M. Snyder.
South Bend	Pacific	140	18	55.6	− 1.6	79	1	38	6	33	5.44	+ 1.99	1.23	0	20	15	5	10	w.	Mrs. Winifred Buckingham.
Spokane	Spokane	1,943	32	63.2	− 0.2	90	2	45	15	39	3.01	+ 1.40	0.72	0	13	8	4	18	s.	U. S. Weather Bureau.
State University	King	170	4	60.0		82	2	48	6	28	1.84		0.34	0	12	8	6	16	sw.	University of Washington.
Stokes Ranch	Okanogan	2,670	4								2.22		0.43	0	11	9	20	1	sw.	Charles W. Gunn.
Sullivan Lake	Pend Oreille										4.57		0.69	0	18					U. S. Forest Service.
Sumner	Pierce	77	5	59.6		86	2	37	6	44	3.69		0.55	0	16	7	10	13	sw.	H. E. Thompson.
Sunnyside	Yakima	740	18	66.4	+ 1.0	96	2	40	14	45	0.48	+ 0.06	0.27	0	5	11	11	8	nw.	U. S. Reclamation Service.
Tacoma	Pierce	213	27	59.7	+ 0.3	82	2	45	16	29	2.16	+ 0.03	0.44	0	14	4	14	12	n.	U. S. Weather Bureau.
Tatoosh Island	Clallam	86	28	54.7	+ 1.7	65	22	45	16	15	6.74	+ 2.56	1.53	0	16	5	11	14	sw.	U. S. Weather Bureau.
Tieton Canyon	Yakima	2,313	4																	U. S. Reclamation Service.
Touchet	Walla Walla	556	6	65.9		97	2	42	6	46	1.69		0.53	0	9	13	9	8	sw.	D. W. Dorrance.
Touchet Ridge	Columbia	2,500	4								3.02		1.00	0	16	14	10	6	sw.	Mrs. Maude E. Bernard.
Trinidad	Douglas	900	9	69.2		97	1	45	14	37	0.84		0.35	0	7	21	6	3	nw.	J. C. Wheeler.
Vancouver	Clarke	100	38	62.4	+ 0.2	89	1	42	10	38	3.49	+ 1.66	0.95	0	16	7	10	13	nw.	A. A. Quarnberg.
Vashon Island	King	40	24	58.4	+ 0.2	78	2	42	2†	36	1.68	+ 0.06	0.36	0	13	8[a]	8[a]	13[a]	s.	Miss Gertrude McClintock.
Wahluke	Grant	410	9	69.4		101	2	45	14†	45	0.34		0.22	0	3	13	11	6		F. C. Koppen.
Wallace	Okanogan	4,000	4								4.03		0.68	0	17	6	18	6	s.	G. A. Wallace.
Walla Walla	Walla Walla	1,000	29	66.8	− 1.4	94	2	50	15	33	2.11	+ 0.92	0.43	0	16	11	12	7	s.	U. S. Weather Bureau.
Washougal	Clarke	650	13	60.5	+ 0.9	81	1†	41	5	35	6.49	+ 4.11	1.90	0	17	10	6	14	w.	F. M. Grout.
Waterville	Douglas	2,624	23																	O. R. Hopewell.
Wenatchee	Chelan	639		68.0		97	1	45	15†	43	1.13		0.61	0	7	19	8	3	n.	A. A. Piper.
Wenatchee, near	do	1,169	14	61.8	− 0.3	88	2	41	14	31	1.77	+ 0.95	0.60	0	9	13	9	8	w.	G. A. Pitcher.
White Salmon	Klickitat	325	2	64.6		97	1	45	14†	43	1.05		0.34	0	11	12	8	10	w.	C. W. J. Reckers.
Wilbur	Lincoln	2,203	14	60.7	+ 1.8	92	1	32	13	51	2.08	+ 1.07	0.50	0	11	11	4	15	sw.	Rollin J. Reeves.
Wind River	Skamania	1,300	2	59.5		93	1	37	5	44	4.60		1.25	0	13	9	9	12	w.	U. S. Forest Service.
Winthrop	Okanogan	1,765	2	62.0[a]		92[a]	2†	35[a]	13	51[a]	1.87		0.51	0	15	18[a]	10[a]	1[a]		Methow Trading Co.
Yacolt	Clarke	800									5.95		1.26	0	12	11	7	12	sw.	C. R. Miller.
Yale	Cowlitz	375	6	60.9		93	1	40	5†	46	6.27		1.61	0	14	8	11	11	sw.	J. A. Williams.

TABLE 1.—*Climatological data for June, 1913. District No. 12*—Continued.

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.		
Oregon.																				
Agency Plains	Crook	2,363	....	54.0[a]	.....	85	1	35	6	40	0.93	.....	0.23	0	7	15	5	10	nw.	W. S. Williams.
Albany	Linn	212	31	61.4	− 0.1	93	1	40	16	40	3.37	+ 2.02	1.19	0	15	....	.....	....	s.	F. M. French.
Alpine	Benton	350	16	60.8	+ 1.3	88	1†	37	10†	42	2.70	+ 1.58	0.80	0	7	7	19	4	e.	J. D. McPherson, jr.
Ashland	Jackson	1,963	29	60.4	− 2.0	92	1	43	20	36	3.17	+ 2.10	0.54	0	11	4	15	11	nw.	G. G. Eubanks.
Astoria	Clatsop	16	52	58.0	+ 0.2	79	1	43	6	26	5.33	+ 2.15	1.09	0	19	13	5	12	sw.	Irving Club.
Austin	Grant	4,250	2	52.0[e]	.....	77[e]	17	28[e]	20	43[e]	2.85[e]	.....	1.14[e]	0	11[e]	0[e]	4[e]	13[e]	w.	U. S. Forest Service.
Baker	Baker	3,466	23	58.2	− 0.4	84	1	38	20	39	2.76	+ 1.55	1.51	0	11	9	11	10	nw.	U. S. Weather Bureau.
Bend	Crook	3,629	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Bend Bulletin.
Black Butte	Lane	1,200	12	54.0	− 3.7	85	1	39	5†	40	4.95	+ 3.62	0.65	0	18	10	8	12	nw.	William Harris.
Blalock	Gilliam	237	15	69.8[b]	− 0.6	96[b]	18	49[b]	14	36[b]	0.62	+ 0.06	0.33	0	4	18[b]	7[b]	3[b]	w.	George W. Long.
Brogan	Malheur	2,600	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. M. Addington.
Burns	Harney	4,157	22	60.4	+ 2.9	90	1	31	19	48	2.93	+ 2.22	0.87	0	9	2	18	10	sw.	J. C. Welcome, jr.
Camp Creek	Crook	.....	....	57.9	.....	89	3	31	14	50	1.77	.....	0.59	0	10	3	14	12	nw.	E. W. Nelson.
Cascade Locks	Hood River	100	23	61.9	− 0.2	87	1	46	6	37	3.65	+ 1.08	1.28	0	12	10	6	14	w.	Val. W. Tomkins.
Cazadero	Clackamas	503	4	61.8	.....	90	2	39	5	42	4.90	.....	1.42	0	16	6	6	18	nw.	Alf Drill.
Centralpoint	Jackson	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. C. Fiero.
Clear Lake	Linn	3,030	....	53.6	.....	87	2	31	5	46	6.25	.....	1.56	0	16	8	3	19	sw.	E. O. Davolt.
Cliff	Lake	4,300	6	54.2	.....	84	1	23	20	50	3.61	.....	0.84	0	11	2	17	11	nw.	John C. Green.
Comb's Flat	Crook	4,027	....	54.4	.....	82	1	21	14	45	1.54	.....	0.55	0	6	7	0	23	nw.	J. R. Breese.
Condon	Gilliam	2,884	6	58.4	.....	87	2	36	5	38	2.80	.....	0.65	0	10	15	13	2	sw.	C. F. Kennedy.
Corvallis	Benton	266	25	60.0	+ 0.2	92	1	37	16	41	2.88	+ 1.69	0.80	0	12	10	6	14	sw.	Oreg. Agr. College.
Crescent	Klamath	4,400	1	51.5	.....	86	1	26	11	55	4.77	.....	1.31	0	12	18	3	9	sw.	C. W. Long.
Culver	Crook	.....	....	60.3	.....	93	1†	37	10†	48	1.24	.....	0.33	0	6	18	0	12	sw.	O. C. Young.
Dayville	Grant	2,200	19	61.8	− 0.2	90	1	38	6†	47	3.09	+ 2.46	0.85	0	12	8	17	5	nw.	J. Campbell-Martin.
Deadwood	Lane	350	3	59.4	.....	91	1	40	5†	47	3.93	.....	1.33	0	13	6	13	11	nw.	Joseph Slemmons.
Doraville	Columbia	600	11	57.8	+ 0.6	84	1	38	16	31	3.78	+ 1.72	1.25	0	17	9	8	13	nw.	Joseph Hackenberg.
Drain	Douglas	300	11	60.4	+ 0.1	91	1	37	16†	46	2.69	+ 1.09	0.66	0	15	6	7	17	sw.	Ira Wimberly.
Echo	Umatilla	625	9	68.0	.....	98	2	43	11†	52	1.44	.....	0.41	0	7	11	7	12	w.	R. B. Stanfield.
Ella	Morrow	830	9	69.6	.....	96	1	48	16	40	1.14	+ 0.54	0.69	0	4	18	7	5	sw.	Carl F. Troedson.
Eugene	Lane	449	23	59.8	+ 0.3	88	1	34	8	42	3.37	+ 1.89	0.83	0	18	7	7	16	w.	Paul G. Bond.
Fairview	Coos	142	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	William Bettys.
Forest Grove	Washington	220	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pacific University.
Follyfarm	Malheur	.....	....	61.4	.....	89	16	32	14†	45	1.27	.....	0.34	0	6	11	14	5	w.	W. R. Gardner.
Gardiner	Douglas	72	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	William S. Angus.
Glassbuttes	Crook	4,200	....	.....	.....	82	1†	.....	.....	.....	3.35	.....	0.60	0	13	10	13	7	w.	C. J. Stauffer.
Glendale	Douglas	144	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Carl Olsen.
Glenora	Tillamook	575	22	56.8	− 0.1	94	1	33	5†	50	5.85	+ 2.20	1.07	0	14	9	5	16	sw.	Mrs. J. A. Reeher.
Gold Beach	Curry	40	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John W. Riley.
Grants Pass	Josephine	956	25	61.9	− 0.4	96	1	36	10	47	2.27	+ 0.79	1.09	0	10	8	6	16	sw.	John B. Paddock.
Grass Valley	Sherman	2,381	12	59.8	.....	94	1	33	16	49	1.75	.....	0.70	0	9	11	16	3	nw.	Agent O.-W. R. & N. Co.
Gurdane	Umatilla	3,500	4	56.0	.....	85	2	49	2†	41	0.30	.....	0.06	0	7	9	17	4	n.	Miss Belle Ely.
Headworks	Clackamas	719	11	60.6	+ 2.3	94	1	39	5	49	6.83	+ 3.23	1.72	0	17	10	11	9	sw.	Portland Water Works.
Heppner	Morrow	1,950	23	62.2	+ 1.6	89	1†	38	15	43	2.18	+ 1.14	0.63	0	11	7	23	0	w.	Frank Gilliam.
Hermiston	Umatilla	451	6	66.9	.....	98	2	41	16	48	0.94	.....	0.35	0	7	10	16	4	.....	C. W. Kellogg.
Hillcrest Orchard	Jackson	1,595	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. H. Parsons.
Hollywood Orchard	do	1,400	....	62.2[a]	.....	98[a]	1	40[a]	10	41	2.97	.....	1.11	0	12	10[a]	17[a]	2[a]	.....	A. C. Allen.
Hood River	Hood River	300	23	63.6	+ 2.8	97	1	43	6	45	0.96	− 0.02	0.35	0	5	15	9	6	w.	Edward W. Birge.
No. 2	do	485	1	65.2	.....	97	1	46	14	43	0.73	.....	0.30	0	6	8	18	4	w.	C. C. Starring.
No. 3	do	620	1	62.0	.....	96	1	38	6	51	0.97	.....	0.41	0	7	11	19	0	nw.	U. A. Newman.
No. 4	do	850	1	62.4	.....	93	1	40	4†	42	1.13	.....	0.98	0	2	24	5	1	w.	P. L. Smith.
No. 5	do	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. G. Jarvis.
Huntington	Baker	2,165	12	68.2	− 1.0	92	1†	40	14	43	0.21	− 0.18	0.06	0	6	7	21	2	w.	Agent O.-W. R. & N. Co.
Jacksonville	Jackson	1,640	25	61.4	− 1.1	94	1	40	14	41	3.19	+ 2.17	1.07	0	11	10	7	13	.....	E. Britt.
Joseph	Wallowa	4,400	24	55.2[e]	+ 0.9	83[e]	1	35[e]	22	41[e]	4.55	+ 2.76	1.17	0	14	9[e]	0[e]	16[e]	s.	F. F. McCully.
Klamath Falls	Klamath	4,100	24	57.2	− 1.9	82	1	36	20	36	2.54	+ 1.76	0.57	0	9	7	15	8	nw.	Augusta J. Hayden.
La Grande	Union	2,784	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. Worstell.
Laidlaw	Crook	3,171	....	57.7	.....	88	1†	33	4	45	2.44	.....	0.80	0	10	10	9	11	nw.	J. W. Brown.
Lakeview	Lake	4,825	30	54.3	− 4.4	79	2	30	20	39	3.22	+ 2.12	0.96	T.	11	9	9	12	s.	C. C. Gott.
La Pine	Crook	4,230	....	54.0[f]	.....	88[f]	3	27[f]	11	53[f]	3.36	.....	1.55	0	12	16	9	5	s.	Albert Larson.
McKenzie Bridge	Lane	1,400	12	59.2	+ 0.5	97	1	32	5	56	6.53	+ 3.99	1.52	0	21	8	0	22	sw.	George Frissell.
McMinnville	Yamhill	182	26	60.4	+ 0.7	93	1	37	5	44	3.76	+ 2.22	1.36	0	11	12	6	12	sw.	M. E. Pettit.
Marshfield	Coos	34	12	57.2	.....	72	1†	38	16	32	2.57	.....	0.90	0	15	7	4	19	nw.	U. S. Weather Bureau.
Meadowbrook Ranch	Hood River	850	1	62.8	.....	93	1	42	15	42	1.36	.....	0.45	0	10	15	11	4	sw.	John W. Palmer.
Medford	Jackson	1,425	3	62.6	.....	96	1	40	10	45	3.09	.....	1.12	0	14	8	14	8	nw.	U. S. Weather Bureau.
Merrill	Klamath	4,070	8	.....	.....	.....	.....	31	24	....	1.39	.....	0.45	0	5	19	4	7	.....	U. S. Reclamation Service.
Metolius	Crook	2,525	3	59.8	.....	92	1	35	10	46	1.27	.....	0.32	0	7	21	7	2	sw.	John A. Hoffman.
Miramonte Farm	Clackamas	195	25	60.2	− 0.2	87	2	35	1	38	4.40	+ 2.95	1.11	0	17	8	5	17	w.	G. Muecke.
Mount Angel	Marion	485	27	62.0	+ 0.4	87	1	44	17	34	4.07	+ 2.01	1.02	0	11	7	7	16	s.	Dr. Urban Fisher.
Mount Hood	Hood River	1,450	2	57.8	.....	90	1	34	4†	47	1.26	.....	0.46	0	8	8	20	2	w.	Isaac Beal.
Musick	Douglas	5,000	4	50.2	.....	84	1	34	14	42	6.33	.....	1.62	0	18	9	2	19	sw.	Alex. Lundberg.
Newport	Lincoln	69	26	55.9	+ 0.1	68	20	40	6	19	6.62	+ 3.77	1.33	0	18	6	10	14	nw.	William Mathews.
Odell	Hood River	1,000	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. H. Chipping.
Ortley	Wasco	1,600	2	59.8	.....	91	1	42	14	33	1.58	.....	0.57	0	7	12	15	3	w.	L. D. Firebaugh.
Paisley	Lake	4,209	10	57.3	− 1.4	84	6	35	20	39	1.95	.....	0.50	0	9	6	17	7	n.	C. M. Sain.
Parkdale	Hood River	1,650	3	60.0	.....	92	1	37	5	40	1.13	.....	0.48	0	10	17	12	1	nw.	S. G. Babson.
Pendleton	Umatilla	1,070	24	66.6	+ 2.4	97	3	40	6	49	2.26	+ 1.34	0.77	0	13	11	15	4	w.	E. F. Averill.
Peninsula	Crook	2,640	....	62.0	.....	92	2	40	5	40	1.11	.....	0.32	0	9	12	14	4	w.	M. M. Davenport.
Pilot Rock	Umatilla	1,817	5	64.8	.....	95	2†	41	5†	44	2.45	.....	0.66	0	12	10	17	3	nw.	John P. McManus.
Portland	Multnomah	57	43	62.9	+ 1.6	87	2	47	5	31	4.24	+ 2.46	1.09	0	16	8	8	14	nw.	U. S. Weather Bureau.
Port Orford	Curry	80	8	55.6	.....	67	28	40	9	21	3.90	.....	0.78	0	13	9	14	7	s.	John D. Loucks.
Powell Butte	Crook	3,240	....	57.4	.....	89	1	32	5†	49	2.93	.....	0.70	1.5	10	5	12	13	w.	Earl Saunders.
Prairie City	Grant	3,425	2	59.4	.....	89	6	33	20	50	3.09	.....	0.71	0	13	10	14	6	w.	A. M. F. Kirchheiner.
Prineville	Crook	2,864	17	.....	.....	.....	.....	.....	.....	.....	1.29	+ 0.49	0.65	0	4	....	.....	.....	.....	Mrs. T. M. Baldwin.
Prospect	Jackson	2,800	7	57.4	.....	91	1	34	10	44	3.22	.....	0.81	0	14	7	16	7	sw.	Charles A. Lower.
Ramsey	Wasco	1,350	12	59.2	.....	87	1†	36	15	40	1.63	.....	0.67	0	8	22	5	3	w.	Mrs. Iva B. Collins.
Range	Grant	3,500	5	55.3	.....	86	1	30	5	44	3.90	.....	0.60	0	11	8	9	13	s.	Mrs. Emma Arbuckle.
Redmond	Crook	2,990	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. G. Stevens.
Richland	Baker	2,350	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. G. Morgan.
Riddle	Douglas	715	....	61.3[b]	.....	91[b]	1	40[b]	6	42[b]	2.02	.....	0.42	0	10	8[b]	7[b]	15[b]	n.	P. A. Wilson.
Rio Hermoso	Crook	2,110	2	51.3	.....	73	12†	27	14	43	1.70	.....	0.47	0	9	14	10	4	nw.	C. T. Hubbard.
Riverside	Malheur	3,200	14	65.2	+ 2.8	100	4	30	19	56	3.17	+ 2.34	0.85	0	12	13	13	4	w.	Mrs. Leah Fairman.
Robbville	Crook	4,000	....	53.6	.....	85	1	25	5†	50	3.02	.....	2.00	0	4	23	5	2	n.	Loren B. Robb.
Roseburg	Douglas	510	35	61.7	+ 0.8	93	1	42	16	39	3.27	+ 2.20	0.98	0	16	7	13	10	n.	U. S. Weather Bureau.
Salem	Marion	120	23	61.8	+ 0.6	89	1	45	15†	33	3.48	+ 2.20	0.80	0	13	10	....	20	nw.	M. P. Baldwin.
Seneca	Grant	4,800	2	51.2	.....	78	1†	24	20	47	3.68	.....	1.02	0	10	6	10	14	s.	E. J. Southworth.

TABLE 1.—*Climatological data for June, 1913. District No. 12*—Continued.

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.		
Oregon—Continued.																				
Silver Lake	Lake	4,700	16	55.8	+ 0.2	87	1	27	20	48	1.69	+ 0.70	0.62	0	9	8	20	2	sw.	G. W. Marvin.
Siskiyou	Jackson	4,115	5	53.4	.....	74	2	32	14	32	2.97	.....	0.93	0	10	3	10	17	ne.	U. S. Weather Bureau.
Sparta	Baker	4,150	22	60.0	+ 2.8	86	2	39	25	40	3.30	+ 2.14	1.20	0	8	17	7	6	w.	J. A. Wright.
Stafford	Clackamas	400	17	60.2	+ 0.3	90	1	40	3	41	5.25	+ 3.46	1.20	0	....	....	....	....	sw.	John P. Gage.
Tablerock	Jackson	1,215	....	62.2	.....	98	1	37	5†	51	3.27	.....	0.88	0	13	10	11	9	nw.	Mrs. J. C. Pendleton.
Talent	do	1,800	....	62.0	.....	95	1	42	5†	44	3.06	.....	0.79	0	9	8	7	15	nw.	T. F. Smith.
The Dalles	Wasco	112	39	68.8	+ 3.0	98	2	46	14	40	1.55	+ 0.97	0.70	0	7	10	7	13	w.	Judd S. Fish.
Tillamook	Tillamook	.....	....	57.2[h]	.....	83[h]	22	33[h]	12	42[h]	6.60	.....	1.10	0	16	12	0	18	nw.	Will Spalding.
Toledo	Lincoln	75	23	55.4	− 1.0	80	1	40	7†	38	5.50	+ 2.34	1.20	0	13	11	17	2	.....	C. B. Crosno.
Umatilla	Umatilla	340	25	67.6	− 1.1	102	1†	48	15	47	1.64	+ 1.32	0.50	0	8	11	4	15	sw.	Mrs. H. T. Duncan.
Union	Union	2,787	2	59.0	.....	84	1†	37	6†	42	3.68	.....	0.87	0	15	12	8	10	nw.	Robert Withycombe.
Vale	Malheur	2,242	21	67.1	+ 3.7	94	2†	40	20†	45	3.38	+ 2.67	0.79	0	10	15	12	3	ne.	H. P. Osborne.
Van	Harney	3,506	2	.....	.....	....	....	....	....	....	.....	.....	.....	.....	....	....	....	....	.....	George Howe.
Vida	Lane	1,100	2	58.6	.....	88	1	39	16	35	8.04	.....	2.01	0	18	7	7	16	w.	W. H. Pendell.
Waldo	Josephine	1,900	1	58.5[f]	.....	88[f]	2	38[f]	14	40	2.18	.....	0.84	0	7	5[d]	13[d]	8[d]	s.	J. H. Wittrock.
Wallace Orchard	Polk	170	4	60.0	.....	90	1	40	5†	39	3.73	.....	0.96	0	15	6	11	13	.....	Charles A. Park.
Wallowa	Wallowa	2,935	10	56.4	− 1.7	77	2†	36	5†	38	3.89	+ 2.36	1.07	0	15	1	10	19	nw.	L. J. Coverstone.
Wamic	Wasco	1,500	12	62.0	+ 2.2	89	1	37	10	46	1.54	+ 0.70	0.50	0	8	7	12	11	w.	A. J. Swift.
Warmsprings	Crook	1,500	11	62.9	.....	94	1	38	7†	52	1.25	.....	0.23	0	11	14	15	1	nw.	George W. Robbins.
Wasco	Sherman	1,263	....	63.4	.....	92	2	42	14	41	1.22	.....	0.42	0	6	19	6	5	w.	J. R. Howell.
Weston	Umatilla	1,800	21	61.4	+ 0.6	89	1†	39	14	37	3.36	+ 2.11	0.65	0	15	7	2	21	sw.	M. A. Baker.
Whitaker	Crook	4,250	....	51.8	.....	85	1	18	14	54	3.21	.....	1.99	0	11	6	17	7	nw.	Frank Percivall.
Williams	Josephine	1,368	21	60.0	− 0.9	94	1	36	11	46	2.77	+ 1.94	1.25	0	9	10	5	15	n.	Francis J. Le Roy.
Yonna	Klamath	4,146	6	54.3	.....	81	6	26	20	53	1.72	.....	0.47	0	8	3	13	14	w.	Ward 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, 1913. 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.	.11	.02	.10	T.	*	1.86	.02	T.	.01	*	.22	T.	.08			T.	.07	*	.39	*	.77	.05	T.	.08	3.78
Butte	do	T.		T.	T.		T.	.08	3.00	3.00	T.	1.40	T.	T.	T.	T.	T.	T.	.20	.20		T.	.10	.08	.10		.10	.45	T.	T.	.15	8.86
Columbia Falls	Flathead							T.		.13	.25		.10	.09						.50	.06	.03	.10	1.12	.23	.10	.02	.06	.71	.85	.03	4.38
Como	Bitter Root							.02	.09	.26	.06	.55	.04	.45	.02			.13	.05	.29			.07	.03	.24	.07	.70	.08				3.15
Dayton	Flathead									.20				.30						.20	T.			.50		.30	.50		.35		.10	2.45
Deer Lodge	Missoula								.10	.16		.06	1.14	.10	.17		.09	.24	.12	.23				.34	.04	.44		.18				3.41
East Anaconda	do				T.		.03	.12	.02	.18		1.51	.08	.02	T.	T.	.04	.04	.06	T.			*	.12	*	.42	.57	.16	T.	T.	.23	3.60
Fortine	Kootenai								.02	1.05			.04	T.					.23	.24	.07		.18	.06	.02	.01	.30	.20	1.01	.23	.58	4.24
Hamilton	Bitter Root								.09	.06	.10	T.	.84	.02	.68			.12	T.	.16	.16		.04	.05	.01	.05	.15	.17	T.		.03	2.73
Hat Creek	Missoula						T.	.10	.33	.01	.09	.10	.91	.16	.09	.02	.16	.39	.31	.04	T.	T.	T.	.45	.03	.45	.20	.03	T.	.03	.10	4.00
Haugan	do								.02	.71	.11			.10	.05					T.	T.		.04	.06	.05	.47	T.	.26	.09	T.	.30	2.26
Heron	Columbia								.57	.11				.20						1.25			.20	.42	.23	.07	.03	.15	.11	.01	.13	3.48
Kalispell	Flathead							.06		.12			.10	.08	.02			T.		.20		.02	.02	.18	.04	.07	.14	1.05	.73	.37	.01	3.21
Libby	Kootenai								.01	.10				T.	.05	T.			.40	.47			.05	.12	.07	.13	.16	.47	.25		.05	2.33
Missoula	Missoula							.19		.10	.02		.20	.07	.23			T.		.08	.04		.01	.43	.05	.38	.02	.20	.33	.03	.01	2.39
Ovando	do				T.		.05	.04	.06	.10	.20	.02	.33	.38	.25	T.	T.	.51	.08	.10		T.	.48	.06	.31	.09	.55	.28	.06	.10		4.05
Philipsburg	do							T.	T.	.28		.20	1.15	.10	.68	T.	T.	.54	.04	T.	.04		T.	.38	.02	.55	.15	.23	.44	.09	.06	4.95
Plains	Sanders							.10	.06	.51			.10	.10	.07			T.		.20			.13	.04		.48	.02	.15	.18	.05	.17	2.36
Pleasant Valley	Kootenai								.05	.50	T.		T.	.05	.01			T.		.05		.12	.10	.03	.06	.06	.18	.38	.21		.08	1.88
Polson	Flathead									.25					.30					.70			.12			.58	.30		.16			2.41
St. Ignatius	do							.01	.15	.25			.17	.22	.04				.02	.10				.58	.03	.25	.10	.65	.57	.13	.15	3.42
Saltese	Missoula									.36	.19			.12	.09						.12		.15	.36	.11	.35		.52	.46	.06	.46	3.35
Stevensville	Bitter Root							.03	.02	.49	.03	.77		.40	.09	T.		.06	.01	.22		.06	.26	.03	.02	.59	.03	.21	.06	.03	.02	3.43
Thompson Falls	Columbia								.03	.16	.03			.04	.09							.06	.11	.17	.06	.33	.17	.16	.35	.19	.23	2.18
Trout Creek	do								.22	.12				.20					.26					.15	.30	.30		.35	.20			2.10
Victor	Bitter Root							T.	.05	.03	.06		.93	.02	.30			T.	T.	.30	.04		T.		T.	.40	.28	.74			.05	3.20
Willow Glen Stock Farm.	Missoula																															
Wyoming.																																
Afton	Snake						.20					.17	.18					.38						.20	.10	.26	.21	.40	.50	.45	.10	3.15
Alta	do					.45	.25	.03	.05	.02	.04	.23	.07	.02				.01	.15	.01				.46	.22	.08	.01	.35	.22	.35	.32	3.34
Bechler River	do																															
Bedford	do									.16		.16	.11					.20	.23					.25	.11	.15	.38	.70	.34	.41	T.	3.20
Moran	do					.15	.23			.20	.02	.60		.05		.05		.04	.18					.15	.27	.02	.21	.22	.48	.11	.21	3.19
Snake River	do	.30		.01	T.	.09	.18	T.		.05	.05	.57	T.	.06	.09			.02	.34					.13	.26	.26	.12	.29	.28	.25	.38	3.73
Nevada.																																
San Jacinto	Snake			.11			.05	.01	.09	.08	.38	1.12	.07											.08	.16	.16	.38	.15	.01			2.85
Idaho.																																
Albion	Snake						.16	T.	.05		.52	.84	.03					T.						T.	.10	.26	.50	.40	.10		T.	2.96
Almo	do										.60	1.40														.45	1.40	.25	.80	.20	.40	5.50
American Falls	do					.19				.10		.24		.11											.14	.14	.08	.16	.04			1.20
Arrowrock	Boise				.04			T.		.91	.18	.04								.02			.20	.27	.04		.07	.40			.05	2.22
Blackfoot ‖	Blackfoot			T.	T.	.05	T.	T.	T.		.32	.01		.02				T.					T.	T.	.04	.01	.17	.10	.16	.02	.27	1.17
Blackfoot Dam	do				.10	.15	.26		.05	.15	.17	.15	.05					.20						.17	.20	.12	.35	.40	.75	.35	.12	3.74
Bogus Creek	Payette				.18		.02	.04	.10	.73	.82	.05											.62	.11	.36	.14	.32	.45	.17			
Boise	Boise			T.	T.		.07	T.	.03	.44	.18			T.				.05	.02	T.			.31	.11	.06		.03	.13	.04		.17	1.64
Boise King	do																							.67	.19	.07	.01	.17	.55	.03	.34	
Bonners Ferry	Kootenai								.26	.05				.20	.10					.72			.19	.65		.08	.25	.11				2.61
Boulder Mine	Boise				.11				.10	.21	.17	.11											.30	.42	.18	.14	.02	.60	.02		.41	2.79
Buhl	Snake				.37			T.	.36	.02	.95	.40	.02	.12									T.		.06		.04	.07			.08	2.49
Caldwell	Boise							.10		.26										T.			.26	.07	.07			.47	.32		.40	1.95
Caldwell Experiment Station.	do							.14		.25													.27		.16			.48			.38	1.68
Cambridge	Weiser							.10		.72													.80	.26	.16	.35	T.	.30	.42	.02		3.13
Cedar Creek Dam	Snake	.09	.10		T.	.17	.26			.03	1.18	.88	.34			.13		T.	.04					.02	.27	.18	.24	.01	.02		.02	3.98
Chesterfield	Port Neuf			.02	T.	.06	.76		.06		.11	.14	.02					.25	T.	.02				.17	.26	.79	.31	.47	.67	.28	.15	4.54
Clarks Fork	Pend Oreille								.30	.09	T.			.41	.03				.17	.30			.39	.36		.01	.25	.03	.06	.09	.15	2.64
Clyde	Lost River Region.																															
Coeur d'Alene	Spokane							.55	.15	.20	.10	.30					.20		.15	.15	.15		.73		.02	.19	.18	.14	.42		.82	4.45
Council	Weiser							.15	.07	.72					T.				.03	T.			.54	1.85	.10	.53	.04	.50	.33	.05	.11	5.02
Culdesac	Clearwater							.15	.09	.10	.05			.25	.10					.37	.22		.40	.15	.13	.15	.05			.08		2.29
Deary	do																					1.03	.73	1.00	.13	.41	.11	.60	.24		.29	4.54
Dent	do																															
Driggs	Snake		T.		.33	.24	.10	.20		T.	T.	T.	.12	.10				.15	T.					.20	.10	T.	T.	.10	.43	.26	.30	2.63
Emmett	Payette							.05		.25	T.	T.							T.	T.			.20	.15	.05			.50	.25		.22	1.67
Forney	Salmon																															
Garnet	Snake																															
Geneva	Bear																										.62	.45	.10		.06	1.23
Glenns Ferry	Snake			.15					.11		.05	.37	.36						.03				.18	.08				.05				1.38
Gooding	Big Wood		T.	T.	.04	T.	T.	T.	.03	.09	.07	.34												.07	.03	T.	.07	.16	.01		T.	0.91
Grace	Bear					T.	.20			.01	.20	.40	.20	.05				.05						.05	.25	.05		.30	.25	.25		
Grand Forks	St. Joe																															
Grandview	Snake								.05	.19														.02	.02	.21	.19	.29				0.97
Grimes Pass ‖	Boise			.20	.01			.05	.20	.08	.31	.07		T.				.01	T.				.42	.18	.23	.24	.01	.49	.06	.17	.26	2.99
Guffey	Snake				.11	T.		.20	T.	.26	.01	T.						T.	T.	T.	T.		.22	.06	.14	.05	T.	.21	.01		T.	1.27
Hailey	Big Wood					.35	.02		.23	.32	.47	.47	.02	.01					T.					T.	T.	.07	.26	.30		.52	.11	3.15
Hollister	Snake	T.	T.	T.	.12	T.				.02	.61	.90	.02	T.	T.	T.	T.	.01	.02				T.	.10	.03	.11	.31	.15				2.40
Hotspring	Bruneau	T.						T.	T.	.40	.08	T.	T.	T.				T.	T.				.02	.12	.06	.06	T.	.36			T.	1.10
Idaho Falls	Snake						.74	.06	.07		.08	.15		.05											.31	.06	.25	.30	.35	.20	.37	2.99
Indian Cove	do			.04			.03	.76	.03	.06	.05	.09	.25	.24									.16	.02	.06	.05	.32					2.16
Indian Valley ‖	Weiser								.07	.26	.22												.03	1.00	.15	.55	.05	.15	.40	T.	T.	2.88
Irwin	Snake																															
Kellogg ‖	Coeur d'Alene																															
Kilgore	Lost River Region.			.40	.75	.25	.50	.30	.25	.10	.05	.90	.04	.08			.75						.10			.10	.75	.50	.10	.10		6.02
Kirkham	Payette							.15	.11	.50	T.	.10												.76	.30		.15	.19			.58	2.84
Kooskia	Clearwater									.25				.03	.04				.02	T.			.60	.80	.70	.40			.30	.20	.23	3.57
Lakeview	Pend Oreille								.20	.15			.14	.20	.15					.56			.30	.10	.45		.25			.35	3.10
Landore	Snake				.07	T.			.47	1.54	.10		.19	.13	.08				.16	.02			1.50	.21	.27	.56	.15	1.05	.40	.01	.20	7.11
Leadore	Salmon																															
Lewiston	Clearwater							.50	T.	.12	T.		T.	.58	.17				.35	.36		.03	.31	.11	.83	.21		.15		T.	.06	3.78
Little Camas	Boise						.03	.05	.12	.03	.23	.27	.27	.02					.34				.30	.32	.12			.27				2.37
Loon Creek	Salmon		.10		T.	.10		.02	.18	.13	.62	.02	.73	.15	.07			T.		.01			.02	.13	.01	.06	.02	.08	.15		.18	2.78
Mackay	Lost River Region.							T.	.20	.10		.80	.10	.10					.10					.15		.35		.20	.10		.10	2.30

TABLE 2.—*Daily precipitation for June, 1913. 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.																																
Meridian	Boise				.54			.15	T.	.35	.01	.12							.01	T.			.30	.14	.14	.01	T.	.24	.03		.24	2.28
Mesa ‖	Weiser					T.		T.	T.	.55	T.									T.			T.			.62	T.	.20	.40	T.	T.	
Middle Fork	Clearwater																															
Milner	Snake	.01									.25	.59	.07	T.					.07						.30	.08	.58	T.	.11			2.06
Moore	Lost River Region.				.02		.01		.15			.82	.04	.03	.04				.01					.11			.60	.20	.01	.05	.06	2.15
Moscow	Palouse								.45	.01	.20		.46		.12				T.	.42	.20		.15	.46	.28	.30			.15			3.20
Mountainhome	Snake			T.	.06		T.	.23	.05		.55	.02	.09					T.	T.				.23	.09	.03	.17	.02	.12				1.66
Murtaugh ‖	do						T.					.75	.04		T.									T.		.23		.70				1.72
New Meadows	Salmon								.06	.09	.10				.03				.02	.09			.39	.57	.31	.61	.09	.50	.48		.04	3.38
Nezperce	Clearwater							.04	.03	.22			.02	.14	.22				.02	.38			.82	.37	.45	.03	.10	.41	.10	.15	.18	3.68
Oakley	Snake										.35	.90	.04											T.	.25	.35	.57	.45	.10			3.01
O'Hara Bar	Clearwater																															
Orofino	do							.01	.67	.10				.43	.10					.37			.80	.52	.12	.34	.04	.34	.40		.07	4.31
Paris	Bear									.10	.80	.15						.50								.20	.35	.45	.87			3.42
Payette	Payette							.12		.60	.02			.02					T	T.			.50	.10	.60	.26	T.	.50	.05		.23	3.00
Pierson	Salmon					.13			.36		.39	.36	.35									.16	.35	.16	.09	.19	.12		.13		.14	2.93
Pleasant Valley	Boise				.01				.03	.37	.18								T.	.16			.32	.25	.07	.01		.12	.08		T.	1.60
Pocatello	Port Neuf					.06	T.	.03	T.		.23	.15		T.					T.					.04	.29	T.	.37	.06	.65	.01	.07	1.96
Pocatello Nursery	do				.18			.12	.03		.36		.03	.05	T.				T.					.40		.10	.28	.12		.78	.24	2.69
Poplar	Snake							.09	.04	.21	.18	.15		.04											.52	.05	.23	.51	.63		.20	2.85
Porthill	Kootenai								.20	.10	.07			.10	.10		.20		T.	.13		.07	.20	.05		.11	.22	.08			.01	1.64
Priest River Experiment Station:																																
No. 1	Pend d'Oreille								.34	.13				.30	.04	.04	.17			.30	.03		.36	.87	.06	.01	.27	.13	.54	.02	.22	3.83
No. 2	do								.31	.11				.30	.04	.02	.21			.28	.01		.30	.72	.04		.20	.11	.53	T.	.20	3.38
No. 3	do								.33	.08				.29	.04	.01	.20			.30			.29	.73	.03		.22	.09	.50	T.	.20	3.31
Pyle Creek	Payette				.07			.02	.03	.96	.08	.02						T.		.05			.28	.14	.13	.29		.64	.03	.03	.26	3.03
Richfield	Big Wood		.06	T.		.35	.02	.01	.14	T.	.14	.43	T.	T.					.02						T.	T.	.36	.23	.15		.03	1.94
Rogerson	Snake				.04			.02	.02		1.00	1.98	.02											.04	.10	.30	.55	.20	.05			4.32
Roseberry	Payette																															
Roseworth	Snake	.24					1.06	T.	.05	.02	.27	.54	.25						.02					.03	.17	.07	.08	.03			.03	2.87
Rupert	do					T.		T.	T.	T.	.53	.43		.07				T.							.08	.19	.50	.36	.01	.01	T.	2.18
St. Anthony	do																															
St. Maries	St. Joe																															
St. Michaels Priory	Clearwater								.28	.16	.11			.09	.26				T.	.06	.36		.48	.27	.77	.63	.03	.47	.18	.11	.28	4.54
Salmon	Salmon	.05			.19	.02		.01	.12	.30	.31	.11	.89	.06	T.	T.	T.	.07	.05	.09			T.	.14	.09	.24	.32	.21	T.	.05	.06	3.38
Sandpoint	Pend d'Oreille								.40	.15				.19	.05					1.10			.27	.60			.45	.15	.30		.10	3.76
Sheep Hill	Boise				T.	.05		.02	.74	.55	.48	T.							T.				.31	.03	.17	.08	.10	.16	.03		.40	3.12
Shoshone	Big Wood																															
Silver City	Owyhee			.04	.03	.03		.31		.76		.15							.02				.43	.30	.55	.07	.06	.56	.11			3.42
Soldier Creek	Big Wood		T.	.05		.42	T.	.01	.09	.16	.88	.65		T.									.17	.03	.04		.11	.43	T.		.05	3.09
Spirit Lake	Pend d'Oreille																															
Springfield	Snake					.20			.23		.18	.30		.13											.10	.02	.13	.23	.30		.14	1.96
Spring Hill	Boise							T.	T.	.41	.16		T.	T.					.16				.45	.07	.09	.02	T.	.37	.07		.49	2.29
Sugar ‖	Snake				.04	.33		.37	.09	.08	.66				.05											.22	.03	.55	.17	.50	.16	3.25
Sunnyside	do							.05	.08																	.04	.03	.03				
Tripod Mountain	Payette					T.				1.07				.09					T.	T.				.72	.21	.52	.29	.31			.59	3.80
Twin Falls	Snake	.16					T.	T.	.12	.43	.75	T.	T.	.29			.02							.02	.20	T.	.32	.23			T.	2.54
Vernon	do					.05	T.		.25	.09	.07	.04		.08						T.				T.	.13	.40	.52	.30	.25	.24	.20	2.62
Wallace	Coeur d'Alene								.10	.06	.50			.31	T.				T.	.75	.01		.20	.40	.14	.36	T.	.33	.69	.15	.17	4.17
Weiser	Weiser							.30		.68	.07			T.					T.	.04			.19	.09	.14	.22		1.01	.17		.57	3.48
Wendell	Big Wood	T.		T.	.65	.16		.20	.13	.03	.22	.50	.03											.05	.02	T.	T.	.05				2.04
Weston	Bear					.10					.20	.45	.63											.05	.08	.25	.22	.28	.40	.27	.02	2.95
Washington.																																
Aberdeen	Coast								.06				.31	.20	.30	.33	.20			.79	.07	.70	.36	.06	.73	.49		T.	.03	.32	1.45	6.40
Anacortes	Puget Sound							.03	.23					.17	.19	.05				.31	.32	.42		.01	.01		.16		.06	.01	.31	2.28
Anatone	Snake							.45	T.	.90	.20			.30	T.				T.	.40		T.	.22	.40	.31	.45		.35	.05	.10	.21	4.34
Baker	Puget Sound				T.			.40	.10	.20			T.	.60	.30	.60				.60		.10	.10	.10	.10	.10			.10		.40	3.80
Bellingham	do				T.			.02	.43			T.	.04	.16	.09	.41			T.	.84		.51			.01	T.	T.		.15		.47	3.13
Bellingham, near	do																															
Blaine	do							.04	.30	.02			T.	.10	.07	.06	.16			.30	.12	.90			.05		.08		.14		.43	2.77
Blewett	Wenatchee																															
Bremerton	Puget Sound									.04				.12			.10			.14		.58		.58	.10		.18				.20	2.04
Brewster	Columbia							T.	.41	.21				.10	T.	T.	T.		.40	.28	.01	.05	.10			.18	.12	.03	.13		T.	2.02
Buckley	Puget Sound							.03	.54	.02			.15	.48	.10	.28	.04		.03	.72	.09	.22	.08	.26	.19	.19	.13	.02	.09	.02	.67	4.35
Bumping Lake	Yakima						.28	.25	.18				.08	.02	T.		T.			.18	.30	.01	.20	T.	T.	.20	T.			T.	T.	1.70
Cedar River	Puget Sound																															
Centralia	Coast					T.			T.	T.			.30	.17	.06	.36	.03			.70		.34	.94		.10	.17			T.	.06	.19	3.42
Clearbrook	Puget Sound							.23	.26	.11			.15	T.	.23	.24				.41		.90		.02			.08		.08		.87	3.58
Cle Elum	Yakima							.37	.03	.07				.09	.08	.01				.19		.08	.06									0.98
Colfax	Palouse								.55	.37	.02			.52						.60			.10	.64	.04	.16		.11	.04		.13	3.28
Colville	Columbia								.63	T.	.18			.26	.04		.15		T.	.66			.18	1.28	.02	.06	.05	.16	.14	.32	.22	4.35
Conconully	Okanogan							T.	.82	.49				.27	.08	T.			T.	.39	.09	.15	.13	.04	.07	.04	.09	.04	.15		.22	3.07
Coulee City	Columbia																															
Cowiche	Yakima							.21		.04				.02	.03							.10	.28			.02					.15	0.86
Darrington	Puget Sound																															
Davenport	Columbia							.40		.93				.85						.49			.37	.07	.09	.09		.25			.37	3.91
Dayton	do							.23	.18	.51	.03			.49			.01	T.	.70	.05			.18	1.00	.03			.49			.09	3.99
Deer Park	Spokane								.08	.06	.01			.40						.55			.15	.26		.07		.08	.06	.01	.58	2.31
Detroit	Puget Sound								.03				.29	.10	.01	.13	.01		.02	.16		.43	.32		.11							.36	1.97
Dixie, near	Columbia							.35	.25	.40	.30			.75	.02			T.	.38	.20			.80	1.89	.17	.13	.03	.10	.08		.03	5.88
Douglas Lake	Puget Sound																															
Dryden	Wenatchee							.13	.29	.12				.09	T.					.43		.18	.10			.05					.02	1.41
Duckabush	Puget Sound																															
Ellensburg	Yakima							.10	.05					.08							.06	.30	.25				.21			.02		1.07
Eltopia	Columbia																															
Forks	Coast																															
Fort Simcoe	Yakima																															
Gerome	Columbia								.18	.14	.03			.46	.09				.03	.41		.25	.21	.31		T.		.35	.26		.15	2.87
Goat Lake	Puget Sound								.46	.32	.02				.32	.58	.23				.64		.36	.26	.03		.20				.19	3.61
Gold Basin	do							.60	.07	.16			.13	.43	.43	.57	.13			.54		.44	.18	.40	.12	.35			.48		1.19	6.22
Gold Creek	Yakima							.40	.50										.30					.60								1.80
Goldendale	Columbia							.35	.03										.06	.10		.05	.30	.15		.14				.02		1.20
Granite Falls	Puget Sound							.33	.32	.07			.20	.54	.20	.22	.01			.73	.15	.41	.07	.21	.27	.12	.01		.30	.01	.37	4.54
Grays River	Coast																															
Hanford	Columbia							T.		.16				.28			T.	T.		T.		T.	.65		T.						.02	1.11
Hatton	do							T.	.33	T.				.71						T.		T.	.70				T.	.27			.03	2.04
Huntsville	do								.45	.35				.46					.18					.65				.82			.11	3.02

TABLE 2.—*Daily precipitation for June, 1913. 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.
Washington—Contd.																																
Irene Mountain	Columbia								T.	.40		T.	T.	.26	.28	.01	T.		T.	.40	T.	.05	.42	.07	.22	.28	.10	.37	.03		.10	2.99
Kennewick	do							.04	.19				T.	.09							T.	.73		.04							.13	1.22
Kent	Puget Sound								.21				.10	.20	.29	.13	.05		.47		.41		.04	.31	T.				.10		.68	2.99
Kettle Falls	Columbia								.12	.13	.03			.41	.04		.14		.03	.80		.01	.15	.54		.05	.03	.33	.03	.06	.16	3.06
Kiona	Yakima													.16									.54									0.70
Kosmos	Columbia									.14	.01		.12	.34	.12	.18	.14	.36	.57	.18	.13	.39	.95	.12	.21	.06						4.02
La Center	do				T.				T.				.27	.65	.08	.01	.10	.04	.57	1.12	.47	.70	.45	.02	.14	.16		.05	T.	.31	T.	5.14
La Crosse	Palouse							.16	T.	.27	T.		T.	.36	T.		T.		.03	.24			.65	T.	T.	T.		.06	.02		.10	1.89
Lake Clealum	Yakima							.34	.07	.06	T.		T.		T.	T.	T.			.31	T.	.04	.03	T.	T.	T.		T.	T.		.02	0.87
Lake Kachess	do							.46	.02	T.				.05	.10	.04			T.	.27		T.	.10	T.	T.						.10	1.14
Lake Keechelus	do						.35	.02	.05	T.	.15		T.	T.	.15	.18				.40	.10	.25	.25	.05	.06	T.			T.	T.	.38	2.39
Lakeside	Columbia								.17	.20				.05				T.	.01	.20		.06	.12	T.		.03					.02	0.86
Laurel	do							.24	.04					.04						.06		.28	.48	.26							.04	1.44
Laurier	Kettle								.34	.30				.15	.10	.01	.08			.81			.14	.22	.33	.09	.16	.16	.03	.11	.20	3.23
Lone Tree	Coast								.10				.18	.47	.08	.44	.17		.02	.59	.08	.73	.41	.03	.17	.05	.02	.01	.02	.22	.95	4.74
Longmire Springs	Puget Sound																															
Lost Creek	Columbia									.25				.20					.15	.25		.20	.35	.15	.13	.20		.10	.90	T.		2.88
McConihe	do							T.	T.	.24				.08	.13		T.	T.	T.	.01		.09	.70	.05		.01	T.	T.			.07	1.38
McCumbers Ranch	do							.30											.20			.25	.50									1.25
Moses Lake	do							.25					.13		T.				T.	.06	T.	.40	.04				T.	.25			.02	1.15
Mottinger	do							.15					.14										.21	.01				.05			.17	0.73
Mount Pleasant	Coast				T.			T.	.15				T.	.07	.02	.03		T.	T.	.93	.12	.16	.04	T.	.15	.04				T.	.20	1.91
Moxee	Yakima							.14	.13	.02				.05			T.			.10		.07	.42	.04	.02						T.	0.99
Newport	Pend Oreille								.43	.10	.01			.32	.01		.30			1.10		.16	.30	.32		.11	.11	.05	.06	.07	.30	3.75
North Head	Coast								.22				.37	.24	.53	.50	.16		.05	.75	.34	.51	.53	.10	.12			.03	.01	.41	.27	5.14
Northport	Columbia							.23	.24	.27	T.		.21	.05	.03	.20		T.	.53	.51		.25	.03	.65	.02	.47	.04	.12	.13	.01	.31	4.30
North Sundale	do							.12	.07													.05		.05	.21						.10	0.60
North Yakima	Yakima							.13	.06	.02	T.			.11			T.			.08		.05	.24	.02	.02	T.					.05	0.78
Odessa	Columbia							T.	.03	.08				.43					T.	.13		T.	.97	.06	T.	T.	T.	T.	.03		.41	2.14
Olga	Puget Sound								.21				.04	.18	.24		.11			.30	.26	.72							.03		.49	2.58
Olympia	do								.03				.32	.11	.16	.28			.08	.44		.64	.53	.09	.20	.08				.07	.21	3.24
Omak	Okanogan							T.	.27	.36				.18	T.	T.	.08		.49	.44		.11	.03	T.		.18		.72	T.		.03	2.89
Oroville	do																															‡3.00
Peola	Snake							.40	.02	1.06	.01			1.05	.02			.01	.62	.39		.07	.39	.25	.61	.90		.23	.07		.12	6.22
Pomeroy	do							.02	.15	.41				.60					.10	.50		.25	.10			.25		.33	.06		.25	3.02
Port Crescent	Coast							T.	.21				.23	.05	.07	.07	.03		T.	.59	.06	.24	T.	.01	.23	.01				.05	.56	2.41
Port Townsend	Puget Sound								.09				.10	.25	.15					.65	.10		T.		.05	.21				.02	.21	1.83
Prosser	Yakima							T.						.15				T.				.04	.22					.34			T.	0.75
Pullman	Palouse							.53		.11	.03			.71	.01				.20	.22	.06	.06	.43	.11	.12	.20			.02		.06	2.87
Queets River	Coast	T.			.09				.23	T.		T.	1.03	.32	.87	.64	.23	T.		.45	T.	.14	.23	T.	.45	.53			.28	.45	1.19	7.13
Quiniault	do					.03			.32				.49	.35	1.00	.83	.15			1.03		1.13	.20		.30	.20				.40	2.00	8.43
Reardan	Spokane								.20		.16			.20	.40	T.			T.	.30	.33	.17		.17		T.		.30		.05	.30	2.58
Republic	Kettle								.01	.15	.16			.20		.08	.02	.01	T.	.45		.09	.20	.50	.04	.25	T.	.20	.38	.24	.03	3.01
Rex Creek	Columbia								T.	.32						T.				.21		.21	.04			T.					.18	0.96
Ritzville	do						.16			.07	.01			.80					.03	.16			.52					.10			.15	2.00
Robertsville	do																															
Rock Lake	Palouse							.39	.04	.23	.03		.21	.56			.01		.34	.28			.29		.06	.03	.09		.23		.78	3.57
Rosalia	do							.20	.10	.13	.04			.80			T.		.10	.40			.52	.49	.06	.10		.17	.04		.44	3.59
Russells Ranch	Yakima						.23		.04	.11			.12	.02		.11			.32		.13		.21	.02		.07				T.	.10	1.48
Seattle	Puget Sound				T.			T.	.14				.22	T.	.12	.01			.04	.16		.29	.32	.04	.01	.02		.02	T.	.20	.12	1.71
Sedro-Woolley	do				.10			.14	.31	.05			.04	.17	.34	.15	.04		.02	.74	.30	.25	.03	.02	.11	.33	.04		.28		.81	4.27
Sixprong	Columbia							.06	.06			.04	.17									.16						.51	.03	.05		1.08
Skagit Power Dam	Puget Sound							.18	.06	.20				.50	.10	.05	.20			.70	.09	.30		.18		.13	.10		.05		.35	3.19
Snohomish	do								.47				.08		.68	.17				.41		.47	.05	.18	.09						.37	2.97
Snoqualmie Falls	do							.16	.30	.07	T.		.03	.35	.28	.40	.13			.40	.02	.47	.13	.19	.30	.18	.01				.80	4.22
Snoqualmie Pass	Yakima																															
Snyders Ranch	Columbia									.47									T.	.25	.40	.11	.40		T.	.40		.24			.30	2.57
South Bend	Coast					.01			.07				.30	.11	.28	.26	.10		.01	.78	.04	.50	.56	.01	.27	1.23	.05	.02	.11	.21	.52	5.44
Spokane	Spokane							.12	T.	.05			T.	.57	.02		.10		.25	.31		T.	.67	.05	T.	.04	T.	.29	T.	.01	.53	3.01
State University	Puget Sound							T.	.17	.04			T.	.25	.01	.14	T.		T.	.20	.02	.30	.01	.34	.03						.33	1.84
Stokes Ranch	Columbia							.09	.22	.43					.06				.13		.35	.19	.08				.35	.18			.14	2.22
Sullivan Lake									.48	.26	.08		.18	.38	.36		.10		.11	.56	T.	.01	.25	.69	T.	.47	.26	.02	.18	.02	.16	4.57
Sumner	Puget Sound								.21				.04	.22	.16	.08	.05			.55	.05	.30	.08	.32	.13	.55	.37	T.	.07	T.	.51	3.69
Sunnyside	Yakima							.02	.09	T.				.08				T.		T.		.02	.27	T.							T.	0.48
Tacoma	Puget Sound								.12				.19	.09	.11	.02	T.		.16	.28	.01	.33	.13	T.	.27	T.		.01		.30	.14	2.16
Tatoosh Island	Coast				.04				.08		T.	.12	.73	.20	.29	1.24	.44	T.	T.	.35	.12	.67			.87	T.	T.	.01	.02	1.13	.43	6.74
Tieton Canyon	Yakima																															
Touchet	Columbia							T.	.10	.32			T.	.53	T.		T.		.01	.01		T.	.20	.08	T.	T.		.33			.11	1.69
Touchet Ridge	do							.01	T.	.02	.05			.18	.01			.05	.51	.20			.50	1.00	.11	.05	.06	.13	.01		.13	3.02
Trinidad	do								.20	.02				.12								.06	.35		.04						.05	0.84
Vancouver	do								.06	T.			.04	.19	.23	.01		.03	.16	.95		.20	.89	.13	.20	.17			.04	.05	.14	3.49
Vashon Island	Puget Sound								.14	T.			.11	.14	.04	.28				.28	.06	.04	.36	.02	.10	.07		.04		T.		1.68
Wahluke	Columbia							T.	.05														.22	T.	T.	.07						0.34
Wallace	Okanogan							.05	.54	.47				.15	.05		.04		.17	.68		.18	.05	.36	.02	.20	.28	.06	.36		.37	4.03
Walla Walla	Columbia						T.	.14	.25	.24			T.	.43			.02		.08	.09		.09	.29	.08	.02	.01	.01	.20	.02		.14	2.11
Washougal	do								.15					.70	.40	.05			.15	.70	.07	.90	1.90	.70	.20	.10	.02	.03	.02	.02	.38	6.49
Waterville	do																															
Wenatchee	do							.04	.61	.02					.04					.10		.03	.29			T.						1.13
Wenatchee, near	do							.31	.16				.05	.05						.60		.35	.21		.02	.02					T.	1.77
White Salmon	do							.11	.07	T.				.01	.02	.01		T.	T.	.10		.15	.34	.18	.03					T.	.03	1.05
Wilbur	do								.17	.04			.20	.22		.03		.12		.16		.50	.10		T.	.05	T.				.49	2.08
Wind River	do							T.	.07					.27	.40	.11	T.		.10	.26	.15	1.03	1.25	.17	.17	T.	.36	T.	T.	T.	.26	4.60
Winthrop	do							.03	.12	.51			T.		.03		.04			.20	.09	.06	.07	.01		.26	.01	.05	.04		.35	1.87
Yacolt	do													.80	.50	.05				.95	.04	1.26	.82	.55	.20	.25			.08		.45	5.95
Yale	do												.22	.51	.46	.03	T.	T.	.08	1.05	.31	.90	1.61	.12	.56	.07				.05	.30	6.27
Oregon.																																
Agency Plains	Deschutes							.08	.08	.06		T.						T.				.15	.23	T.	.22						.11	0.93
Albany	Willamette								.03					.22	.11	.03	.09		.01	.57	.05	.23	1.19	.16	.05	.34	.21				.08	3.37
Alpine	do									T.									.70	T.		.46	.80	.07	.27	.30		T.	T.		.10	2.70
Ana River	SE. drainage		.42					.05		.28								T.	T.				T.	.05	.18	T.	.45	.71		T.		2.14
Ashland	Rogue	T.						.02	.54								.16	T.	.50		.11	.15	.03	.50	.10	.52	.54				3.17
Astoria	Columbia				.04				.05				.27	.15	.44	.26	.04		.03	1.09	.05	.58	.90	.05	.23	.34	.08		.04	.35	.34	5.33
Austin	John Day													.10	.01				.16				.48	.09	.20	.06	.39	1.14	.06		.16	2.85
Baker	Snake	T.			T.			.05	.90	.61			T.	.03	.01				T.	T.		T.	.24	.01	.32	T.	T.	.32	T.	.02	.25	2.76
Bear Creek	Deschutes							.16		.04				.07				.01		.02			.44	.03	.28		.48	1.62		.19	.04	3.38
Bear Valley	SE. drainage									.21				.04									1.12		.42	.27		.55	.43		.18	3.22
Beech Creek	John Day								.04	.34	.02			.30											.68	.14		.75		.08	.10	2.45
Bellfountain	Willamette								.08					.04	.06	.01			.07	.40		.66	.65	.07	.24	.75	.06				.13	3.22
Bend	Deschutes																															

TABLE 2.—*Daily precipitation for June, 1913. 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.																																
Big Basin	John Day													.05								.05	.06	.04	1.00		.08	.06	1.00	.07	.08	2.49
Black Butte	Willamette								.25	.10				.15	.25	.15	.20		.65	.30	.15	.25	.60	.65	.35	.20	.25	.15	.05	.25		4.95
Blalock	Columbia							.12												.08			.33								.09	0.62
Blue Mtn. Sawmill	Umatilla							.55		.52	.20			.70					.45	.12	.02	.95	.67	.41	.07	.04	.03	.80	.08		.40	6.01
Brogan	Malheur																															
Buena Vista	Snake		.90				.20			.50	.20			T.	.02						.05	.30	.40	.20	T.	.01	.20	.30		.20	.20	3.68
Burns	SE. drainage						.04			.24				.04						.27			.49		.32	.03	.63	.87				2.93
Burns Mill	do							.07	.04											.20		.78				.27	.14	.55	1.21			3.26
Butte Falls	Rogue								.42	.42				.02				.10		.41		.24	.29	.02	.38	.02	.32	1.17	.06			3.87
California Gulch	Umatilla							.56	.30					.69								.44	.90	.38	.18			.20	.08		.31	4.04
Camp Creek	Deschutes							.17		.08				.08						.05			.28	.05	.17		.07	.59			.23	1.77
Cascade Locks	Columbia													.21	.22	.14	.01		.11	.23	.15	.66	1.28	.23	.18						.23	3.65
Cascadia	Willamette								.23	.04				.74	.15	.13	.21	.65	.66	.03	.51	1.00	.29	.62	.22	.06	.01	.05	.07	.47		6.14
Cazadero	do				T.				.17	.08				.25	.11	.30	.13	T.	.08	.65	.53	.45	1.42	.13	.11	.17		T.	.02		.30	4.90
Central Point	Rogue																															
Christmas Lake	SE. drainage	.23	.08	T.				.20	.05	.77			T.		.01		T.		T.	.05			.37	.27	.16		.27	.81	.04	.04		3.35
Clear Lake	Willamette							T.	.41	.08				.18	.24	T.		.02	T.	.77	.05	.50	1.27	.10	.46	.09	1.56	.05	.07	T.	.40	6.25
Cliff	SE. drainage		.49	.02			T.	.42		.18									.09				.58	.03	.15		.84	.75	.06	T.		3.61
Columbia Mine	Snake	.12		.10				.03		.39	.22		.05	.02	T.			T.	.05	.10			.80	.15	.40	.40	.40	.30	.18	T.	.21	3.92
Combs Flat	Deschutes								.24		.35						.05				.55		.30								.05	1.54
Condon	John Day							.65	.15				.06	.15								.45	.54	.04	.21	.02					.53	2.80
Coquille River lighthouse.	Coast				.03				.09				.10	.07	.22				T.		.05	.62	.35	.19	.20	T.					.27	2.19
Cornucopia	Snake							.28		.77	.02			.15	.08					.23			1.27	.14	.18	.51	.40	.43	.48	.03	.56	5.53
Corvallis	Willamette				T.									.19	.07	.12				.46	.02	.63	.80	.08	.29	.11				.01	.10	2.88
Cracker Creek	Snake		T.						T.	.60		T.			T.	T.	T.		.30		T.	T.	.60	T.	.40	.30	T.	.40	T.		T.	2.60
Crescent	Deschutes		T.	T.				.35	.39	.68										.37		.15	.47	.04	.52	.02	.44	1.31			.01	4.75
Culver	do							.20	.28													.14	.27		.33			.02				1.24
Dayville	John Day						T.	.04	T.	.02			T.	.27		T.			T.	.06		T.	.52	.01	.33	.04	.35	.56	.04	T.	.85	3.09
Deadwood	Coast				.01			T.	.10				.05	.10	.05				.18	.38		1.33	.90	.10	.28	.17					.28	3.93
Diamond	S. E. Drainage									.38													.10	.36	.30	.10	.07	.48	.34	.04		2.17
Doraville	Columbia				.02				.03	T.			.10	.04	.08	.43	.01	T.	.06	1.25	T.	.36	.79	.13	.03	.11			.06	.14	.14	3.78
Drain	Umpqua								.15	.02				.12	.03				.18	.32	.01	.49	.66	.08	.34		.20	.01	.01		.07	2.69
Dufur	Columbia							.23	.08	.01			T.					.01	T.	T.		.10	.45	.03	.12	.16				T.	.36	1.55
Echo	Umatilla							.25						.10				.07				T.	.41	.05				.26			.30	1.44
Ella	Columbia							.10	T.	T.			T.						T.				.69						T.	.25	.10	1.14
Embody	S. E. Drainage		.20						.10	.34									.02	.10			.28	T.	.19		.70	.62				2.55
Eugene	Willamette								.18	.02				.11		.01	T.	.14	.03	.70	.03	.55	.83	.05	.28	.19	.13	.04	.01	.04	.03	3.37
Fairview	Coast																															
Falls City	Willamette																															
Fir Glen	Coast								.03					T.	.11				.20	.48		.04	.34	.06	.01		.12	.03			.09	1.51
Florence	do				.02			T.					.14	.21	.18					.39		.98	1.35	.05	.16	.05					.35	3.88
Follyfarm	Malheur						.09	.07		.16													.28		.33			.34				1.27
Forest Grove	Willamette																															
Fort Rock	S. E. Drainage	T.	.25	.06					.15	.30			T.		T.		T.		.10	T.		.25		.07	.16	.08	.26	.70	T.	.05		2.43
Galice	Rogue								.08						T.				.46	.23		.08	.08	.01	.04		.19	.16			T.	1.33
Gardiner	Umpqua																															
Gibbon	Umatilla																															
Glass Butte	Deschutes	.42	.11				.12	.40											.10				.50	.20	.20	.05	.45	.60	.10		.10	3.35
Glencoe	Columbia							.67						.18				.02	.11				.70						.70		.45	2.83
Glendale	Umpqua																															
Glenora	Coast												.11	.35	.60	.21	.02		.40	1.07	.40	.70	1.01	.15	.15	.08		T.		.60		5.85
Gold Beach	Rogue																															
Golden Falls	Coast				T.			T.	.07				T.	.13	.16	.13			.05	.38		.91	1.33	.42	.51	.02	.25	.02	.17		.40	4.95
Grants Pass	Rogue								.11					.01					.21	.31		T.	.04	.02	.12	.08	.28	1.09			T.	2.27
Grass Valley	John Day							.36	.07					.08						.05		.25	.70	.05	.01						.18	1.75
Greenhorn	Snake	T.	.08					.70	.33		.41		T.	.08	.08				.96			.03	1.00	.22	.53	.23	.48	.63	.06		.20	6.02
Gumboot	do							.34	.17	1.20	.10	T.		.09	.03				.07	.17			.37	.65	.30	.31	.04	.56	.37		.50	5.27
Gurdane	Columbia								.06	T.				.05	T.					T.		T.	.04	.03				.08	.01		.03	0.30
Happy Home	Umpqua							.02	T.				T.	.32	.02	.04				.25	.10	.70	.34	.22	.16	.05	.75	.70	.10			3.77
Harbor	Coast			T.				.23	.02	T.		T.	.06	.22	.32				.18	.28	1.05	1.23	.07	.09	T.	T.	.11	T.	T.	T.	.09	3.95
Hay Creek	Deschutes								.28	.04										.24		.18	.36	.01	.23	.03		.12			.61	2.10
Hazeldell	Willamette						.09	.37	T.				.12	T.	T.			.35		.37	T.	.75	.10	.84	.30		.33	.09			.23	3.94
Headworks	do													.77	.30	.17	.15	.12	.13	.82	.30	.60	1.72	.62	.25	.13	.03	.06	.08		.58	6.83
Heppner	Columbia							.09		.07			.01	.28	T.		T.	.05	T.	T.		T.	.37	.16	.08	T.		.63	.07		.37	2.18
Hermiston	Umatilla							.12	.08					.08				.01										.35	.15		.15	0.94
Hilgard	Grande Ronde					T.	.10	.20	.10	.30	.50	.05					.10	.20	.10			.10	.20	.70		T.	.20	.50		.05	.10	3.50
Hillcrest Orchard	Rogue																															
Hollywood Orchard	do								.31					.03			T.	.18	.09	.65	T.	.02	.12	.04	.03	.02		.37	1.11			2.97
Hood River	Columbia							.08	.11											.20		.22	.35	T.	T.						T.	0.96
No. 2	do							.08	.06						T.				T.	.10		.15	.30	.04	T.						T.	0.73
No. 3	do							.06	.09							T.		T.		.10		.18	.41	.08						T.	.05	0.97
No. 4	do							.15							T.				T.				.98							T.		1.13
No. 5	do																															
Hoover	Willamette							.06	.26	T.				.13	.22	.03	.03	.08	.07	.75	.06	.47	1.42	.14	.36	.02	.47	T.	.05	T.	.34	4.96
Howardville	Grande Ronde							.35	.24	1.10	.05		.03	.83	.01					.35		.03	.87	.21	.14	.09	.27	.39	.02		.30	5.28
Huntington	Snake							T.	.01														.05		.04	.03		.06			.02	0.21
Ibex Mine	John Day		.04					.03	.20	.40				.07	.01				.06				.50	.52	.28	.12	.16	.34	.37		.38	3.48
Imperial	Deschutes	.02					.01	.38	.01	.07			T.	.04					T.	.05	T.		.33	.17	.18	.05	.16	1.20	.10	.02	.07	2.86
Ironside	Snake								.40	.41													.35	.04	.55	.15		.52	.15		.55	3.12
Jacksonville	Rogue								.40					.16				.20	.10	.52		.10	.08	.07	.05		.44	1.07				3.19
John Day	John Day		.15					.07		.39													.43	.10	.11	.40	.10	.28	.50			2.53
Jordan Valley	Owyhee				.04				.03	.24				.03									.60	.05	.34	.03	.20	.45				2.01
Joseph	Grande Ronde							.07	.08	1.17	.20	.05								.20			.10	.20	.55	.70	.50	.23	.34		.16	4.55
Klamath Agency	Klamath																															
Klamath Falls	do	.03							.16	.44										.57			.20		.05	.02	.52	.55				2.54
La Grande	Grande Ronde																															
Laidlaw	Deschutes								.42	.17			T.					T.	T.	.28		.07	.21		.25	T.	.01	.80		.05	.18	2.44
Lakeview	Pitt	T.	T.	T.	.09			.96	T.	.11									.06	.10			.77		.03	.04	.74	.13	.19			3.22
La Pine	Deschutes		.18					.03	.27	.08				.01				.03		.24			.42		.48	.05		1.55			.02	3.36
Lilyglen	Rogue	.44	.03					.01	.51	.05									.22			.03	.47	.09	T.	.13	.87	.77	.17		.04	3.83
Long Creek	John Day							T.	.26	.20	T.			.40			T.		T.		T.	.05	.40	.20	.80	.10	T.	.64	.28	T.	.27	3.60
McKenzie Bridge	Willamette							.31	.40	.10				.27	.55	.04	.02	.04	.22	.58	.08	.31	1.52	.17	.85	.13	.07	.04	.11	.07	.65	6.53
McMinnville	do													.13	.17	.05				1.36		.46	.89	.13	.01	.19				.08	.29	3.76
Marshfield	Coast				.04	.01		.01	.03					.04	.24					.14		.42	.90	.32	.22	.07		.02	.03		.08	2.57
Maury	Deschutes	T.						.10	T.				.02						.06	.02		1.05	.50	.02	.17		.95	.15		.20		3.24
Meadowbrook Rnch.	Columbia							.14	.15					.02				.01		.14		.25	.45	.10	.08						.02	1.36
Medford	Rogue	.04							.34					.02			T.	.05	.15	.75		.02	.13	.05	.03	.01	.36	1.12	.02			3.09
Merrill	Int. Drainage								.09	.28												.17					.40	.45			T.	1.39
Metolius	Deschutes							.14	.10	.10											.13		.32		.24						.24	1.27
Miramonte Farm	Willamette	.03							.04	.02				.25	.21	.03		.01	.13	.76	.02	.69	1.11	.20	.48	.24				.07	.11	4.40

TABLE 2.—*Daily precipitation for June, 1913. 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.																																
Mountain Home	Columbia				.08				.05				.21	.04	.14	.28			.07	.88		.68	.80	.06	.07	T.			.06	.28	.18	3.88
Mount Angel	Willamette													.60	.07			.42	1.02		.45	.35	.50	.30	.25	.04					.07	4.07
Mountain Ranch	Rogue								.18		T.								.35	.20				.10	.30	.20	.50	1.00				2.83
Mount Hood	Columbia						.04		.06						.01	.02		T.		.17		.38	.46	.12								1.26
Musick	Umpqua							.02	.09	.05				.55	.19			.03	.34	.23	.15	.20	1.62	1.33	.62	.41	.02	.09	.01		.38	6.33
Newport	Coast				.08				.12				.23	.45	.98	.28	.06			.58	.05	.85	1.33	.09	.20	.66		.06	.08	.16	.36	6.62
Ochoco	Deschutes							.05	.56	.07	.06					.01					T.	.11		.51	.75	.01		.06		T.	.05	2.24
Ochoco Creek	do							.32		.10									.10				.46	T.	.45	.14		.11				1.68
Odell	Columbia																															
Ortley	do							.32	.03											.07	.51	.57		.05						T.	.03	1.58
Owyhee	Owyhee				T.				.07	.28													.28		.26			.46	.03			1.38
Paisley	SE. drainage							.50		.20	.15		T.				T.		.12	T.			.05		.07		.15	.45	.26			1.95
Parkdale	Columbia							.05	.03				.03	.02				.03		.13		.28	.48		.05						.03	1.13
Pendleton	Umatilla							.01	.10	.22				.77	.09					.01			.50	.01	[illegible]	T.		.16	.02	.04	.25	2.26
Peninsula	Deschutes							.02	.32	.14									.02	.02	.10	.25		.14							.10	1.11
Persist	Rogue	.15					.08	.10	.43	.13			.08					.12		.38		.70	.30			.32	.42	.80	.16			4.17
Pilot Rock	Umatilla							.50	.18	T.	.03		T.	.66	.08		T.			.01			.35	1[illegible]	.43	.01				.10	.42	2.45
Portland	Willamette								.05	.01			.09	.10	.26	T.	T.	.07	.25	.85	.03	.56	.82	2	.33	.12		T.	T.	.16	.02	4.24
Port Orford	Coast							.07	.14				.45	.14	.18	.10			.15	.25		.78	[illegible]	10	T.	.20					.56	3.90
Post	Deschutes		T.					.12		.14			.10										[illegible]	.41	.28		.04	.91	.04		.24	2.31
Powell Butte	do							.30		.08									.20	.30			.30		.70		.50	.30		.15	.10	2.93
Power House	Columbia							.57	.43	.51			.12	.30				T.	.67	.37	T.	.20	.76		.10		.68		.06			4.77
Prairie City	John Day						.03	.26	.03	.26	T.			.02						T.			.59	.18	.28	.05	.27	.71	.23		.18	3.09
Prineville	Deschutes												T.	T.						T.	T.	T.	.65	T.	.25		T.	.24			.15	1.29
Prospect	Rogue	.06	.02					.02	.35	.03				.03						.56		.07	.62	.03	.30	.05	.27	.81				3.22
Rager Creek	Deschutes	.04								.01				.09						.06		.04	.52		.47		.04	.83			.26	2.36
Ramsey	Columbia					.12	.24															.14	.24	.13	.06	.03					.67	1.63
Range	John Day		T.				T.		T.	.40	.20		.50									.60		.20	.40	.10	.30	.24	.46	.50		3.90
Ray Creek	Columbia							T.						.31				T.	.18			T.	.37	T.	.15			.85			.53	2.39
Redmond	Deschutes																															
Reston	Umpqua								.02	.02				.04	.13				.61	.18		.25	.23	.11	T.		.14	.01			.06	1.80
Richland	Snake																															
Riddle	Umpqua								.22										.40	.42		.08	.10	.01	.18		.30	.26			.05	2.02
Riley	SE. drainage																					.50		.70		1.10	.80			.01		3.11
Rio Hermoso	Deschutes							.37	.15	.39									.04	.06			.47		.05	.08					.09	1.70
Riverdale	do	.04				.20				.07										.05			.70	.10	.13		.24	.89		.12		2.54
Riverside	Malheur			.10	.20			T.	.20	.10													.25	.30	.21	.08	.08	.85	.50		.30	3.17
Robbville	Deschutes									.36													.26			.40	2.00					3.02
Roseburg	Umpqua				T.			.15	.08	T.			.07	.01	.07		T.	.03	.82	.16	.04	.50	.02	.38	.36		.27	.07		T.	.24	3.27
Rosland	Deschutes							.07	.31	.10								T.		.20		.08	.47	.15	.56	.08	.35	1.18	.04	.06	.08	3.73
Salem	Willamette								.08					.04	.02	.12			.03	.80	.03	.50	.66		.24	.80					.06	.10	3.48
Seneca	SE. drainage		T.					T.		.33					T.			T.	T	.13		T.	.03	.76	.43	.17	.11	1.02	.39		.31	3.68
Silver Lake	do		.03					.03	.08	.08													.25		.10	.02	.48	.62				1.69
Siskiyou	Rogue							.06	.58											.06			.06	.29	.10	.18	.63	.93	.08			2.97
Sisters	Deschutes							.01	.47	.08									.04	.08			.25	.28			.01	.04	.38		.01	1.65
Sparta	Snake								.10	.55			T.										1.20	.40	T.	.35	.20	.40	.10			3.30
Stafford	Willamette								.03					.21	.46	.05		.03	.15	1.20	.10	.70	1.00	.10	.40	.19	.20	.01	.02	.05	.35	5.25
Starkey	Grande Ronde	.53						.10	.47		.04		T.	.44					.64	.18			.86	.21		.35	T.	.37			.37	4.56
Summit	Willamette												.03	T.	.07	.10	T.		.25	.22	T.	.91	.67	.07	.08	.26	T.		.04	T.	.28	2.98
Susanville	John Day	.10					T.	.01	.30	.20			.10	.01						.01		.20	.25	.30	.40	.15	.10	.04	.60		.01	2.78
Tablerock	Rogue								.34	.06				.01				.17	.35	.88		.06	.18	.01	.10	.02	.24	.85	T.			3.27
Talent	do								.34									.06	.09	.63		T.	.19		.10	.25	.61	.79				3.06
Tamarack	John Day							.25	.03				.12		T.					.25	T.	.03	.35	.05	.45	.13		.33	T.		.51	2.50
The Dalles	Columbia	T.				.12		.39	T.					T.				T.		.12	.13	.70			.03						.06	1.55
Tillamook	Coast									.05				.10	.32	.70	.75	.30		.60	.60	1.10	1.05	.10	.33	.22	.10		.19		.09	6.60
Toledo	do							.05						.50	.30	.05				.60	.10	1.20	1.15		.40	.60		.10		.10	.35	5.50
Trail	Rogue	T.							.45	.16				.04				.07	.25	.76	.11	.27	.23	T.	.15		.30	.65				3.44
Umatilla	Columbia							.49	.03				.08				T.		T.		T.	.50	.15				.05	.25		.09		1.64
Union	Grande Ronde							.22		.82	T.			.05	.01				.04	.20		.01	.25	.36	.34	.11	.03	.87	.15		.22	3.68
Vale	Malheur							.75	.03	.23													.15	.02	.79	.52		.56	.12		.21	3.38
Valley Falls	SE. drainage						.28			.50											T.				.60		.50	.62				2.50
Van	Malheur																															
Vida	Willamette								.33	.05				.25	.15	.03		.05	1.95	.30	.39	.80	2.01	.19	.69	.20	.07	.03	.07		.48	8.04
Vistillas	Pitt		.27		.26			.06		.15									.04	.04			.32		.18	.22	.43	.76	.04			2.77
Waldo	Rogue							T.					T.						.46	.13		.04		.11	.09		.51	.84				2.18
Wallace Orchard	Willamette								.05				T.	.41	.05	.12	.02		.03	.96		.56	.67	.05	.39	.10	.05			.10	.17	3.73
Walloupa	Grande Ronde							.18	.22	.77	.40			.39	.04					1.14			.55	.42	.15	.20	.02	.57	.04		.27	5.36
Wallowa	do							.05	.11	1.07	.03	T.	T.	.13	T.				.09	.16		T.	.55	.31	.15	.12	.48	.42	.09		.13	3.89
Wamic	Deschutes							.11	.11				T.									.15	.50	T.	.10	.15	.13				.29	1.54
Warmsprings	do						T.	.20	.05								.15			.21		.23	.01	.07	.21	.04				.07	.01	1.25
Wasco	Columbia							.36					T.	.03						.10	.20		.42								.11	1.22
Welches	do														.32			.51		1.81		.75	.75	1.55	.91			.05	.14		.24	7.03
Weston	Walla Walla							.35	.31	.05			.22	.24	T.	T.	T.	T.	.20	.12		.34	.28	.08	.36	T.	T.	.65	.02	.12	.02	3.36
Whitaker	Deschutes	T.					T.	.05	.10	T.							.02	T.		.09		T.	.27	T.	.18	.07	.32	1.99	.02	T.	.10	3.21
Williams	Rogue								.16									.05	.20	.13			.15	.03	.25		.55	1.25				2.77
Yonna	Int. drainage							.23	.15	.11									.04	.04		T.	.25	T.			.43	.47				1.72

* 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 at selected stations for June, 1913. District No. 12, Columbia Valley.*

Date.	Montana.				Afton, Wyo.	
	Kalispell.		Missoula.			
	Max.	Min.	Max.	Min.	Max.	Min.
1	85	48	87	46	78	33
2	82	53	88	42	76	35
3	82	54	87	46	77	35
4	83	46	84	44	76	36
5	73	48	78	46	78	36
6	78	46	84	38	72	36
7	86	48	87	47	75	35
8	82	54	77	56	76	39
9	84	52	85	51	73	37
10	72	49	77	51	70	43
11	79	52	79	53	64	36
12	78	53	74	55	60	36
13	68	50	73	50	71	36
14	62	40	67	46	74	33
15	68	34	71	34	78	37
16	77	41	78	41	80	38
17	76	42	74	44	68	42
18	84	48	86	50	78	41
19	85	52	86	54	80	49
20	68	46	74	44	75	41
21	73	40	80	40	81	36
22	66	45	74	41	80	37
23	66	53	70	54	68	45
24	63	47	70	50	67	39
25	58	46	64	50	64	44
26	70	48	66	48	61	45
27	70	50	71	48	63	44
28	62	49	68	50	59	44
29	62	50	68	52	62	44
30	70	46	72	44	68	34
Means	73.7	47.7	76.6	47.2	72.1	38.9

Date.	Idaho.																							
	Boise.		Bonners Ferry.		Hotspring.		Lewiston.		Mackay.		New Meadows.		Pocatello.		Salmon.		Shoshone.		Vernon.		Wallace.		Weston.	
	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	88	58	85	41	90	52	95	54	74	45	86	38	82	48	83	42	.....	.....	79	42	87	44	85	41
2	89	56	85	44	93	52	95	54	73	47	84	41	84	48	86	42	.....	.....	.....	.....	86	46	86	42
3	86	56	82	47	91	50	91	54	76	46	82	40	83	50	88	46	.....	.....	.....	.....	82	47	86	42
4	82	62	77	48	87	56	86	53	73	44	78	44	81	51	79	44	.....	.....	.....	.....	78	44	83	42
5	80	53	70	45	90	55	79	51	73	47	77	44	78	49	81	44	.....	.....	58	44	74	40	80	42
6	85	55	79	39	89	60	87	50	71	46	82	35	76	51	89	44	.....	.....	60	52	83	38	78	43
7	85	61	86	40	81	56	93	52	74	43	80	42	82	50	87	48	.....	.....	65	50	87	44	86	42
8	78	60	82	52	84	56	78	59	72	45	76	44	80	59	78	46	.....	.....	75	49	79	49	81	46
9	68	52	73	50	77	54	67	57	70	47	71	43	79	57	74	48	.....	.....	74	44	69	47	83	46
10	68	49	71	48	66	50	69	57	70	45	64	42	58	51	70	44	.....	.....	70	48	60	52	69	45
11	71	51	78	47	62	50	83	57	67	39	66	47	64	42	63	43	.....	.....	54	42	76	52	64	43
12	77	51	78	47	73	53	86	53	57	40	78	40	66	45	56	47	.....	.....	62	34	77	44	64	42
13	80	59	62	47	84	57	69	55	70	40	72	44	72	50	73	43	.....	.....	71	45	68	48	75	40
14	73	51	56	44	83	51	66	53	68	45	64	40	75	54	76	48	.....	.....	85	45	60	42	80	48
15	81	47	71	33	89	50	74	47	75	40	70	40	82	47	81	37	.....	.....	78	48	73	34	85	44
16	79	52	67	41	84	52	73	51	77	39	72	31	84	52	81	43	.....	.....	81	46	69	40	81	52
17	85	55	77	35	90	52	84	49	75	49	80	38	75	58	81	46	.....	.....	72	46	81	38	83	44
18	88	61	80	45	93	64	89	56	73	42	85	41	82	53	81	44	.....	.....	78	42	84	47	87	46
19	76	56	75	53	82	57	72	58	75	40	69	43	85	63	86	44	.....	.....	82	45	74	49	81	51
20	76	45	67	46	80	43	78	54	77	41	71	29	76	50	82	44	.....	.....	71	46	69	47	86	40
21	78	50	71	38	89	51	80	52	76	44	72	28	86	46	82	41	.....	.....	80	39	73	40	84	40
22	71	57	62	46	85	58	69	60	73	41	60	48	84	53	75	50	.....	.....	79	45	74	49	88	44
23	72	54	63	53	72	53	74	60	66	40	67	48	67	56	72	46	.....	.....	70	51	66	54	74	52
24	61	51	69	48	73	51	74	56	59	38	60	41	65	49	67	48	.....	.....	55	42	67	49	71	40
25	66	51	65	48	72	50	68	55	66	41	59	45	65	51	64	47	.....	.....	63	48	60	48	66	49
26	69	51	70	50	72	51	77	53	64	41	64	36	66	50	60	45	.....	.....	60	45	71	45	62	49
27	65	53	60	51	72	50	73	56	62	41	62	43	71	50	68	42	.....	.....	62	45	68	48	69	47
28	65	51	67	53	72	46	76	58	60	41	63	48	57	50	73	39	.....	.....	57	47	62	56	63	50
29	73	46	65	48	77	48	80	54	60	42	68	38	68	50	72	41	.....	.....	60	45	69	50	61	47
30	74	54	66	45	80	54	76	60	63	41	69	46	69	52	71	47	.....	.....	65	40	62	44	74	39
Mean	76.3	53.6	72.0	45.7	81.1	52.7	78.7	54.6	69.6	42.7	71.7	40.9	74.7	51.2	76.0	44.4	.....	.....	69.1	45.0	72.9	45.8	77.2	44.6

TABLE 3.—*Maximum and minimum temperatures at selected stations for June, 1913. District No. 12*—Continued.

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....	81	48	72	45	95	42	90	46	90	53	60	52	93	57	93	45	74	43	77	56	97	58	90	51	75	53	61	50
2....	67	47	70	46	92	44	87	44	92	55	56	52	94	60	92	47	63	44	81	54	97	64	90	54	82	53	56	51
3....	64	45	74	50	92	45	83	42	86	56	53	52	90	58	90	46	59	48	73	52	92	60	87	52	75	52	53	49
4....	65	50	72	48	82	44	70	50	77	54	55	50	86	58	83	49	58	46	63	51	84	57	78	54	68	50	56	48
5....	68	44	64	45	80	39	73	38	81	52	54	48	77	51	77	44	56	42	64	49	80	55	73	48	66	48	56	47
6....	78	40	70	38	85	38	83	37	85	51	55	48	83	52	84	40	65	37	71	48	88	49	80	46	70	47	58	47
7....	66	50	70	45	90	41	76	50	78	55	56	52	77	57	86	55	61	40	67	53	87	57	88	52	70	51	55	50
8....	65	52	62	49	85	51	65	49	79	57	59	51	76	57	82	56	57	47	58	53	77	57	78	60	58	52	57	48
9....	70	43	66	46	75	54	64	52	74	54	56	51	69	55	79	52	59	45	65	52	87	59	68	56	65	51	57	48
10....	70	40	68	42	74	54	61	51	82	53	60	50	78	54	76	53	60	42	69	50	86	60	70	55	71	48	57	48
11....	72	50	66	48	85	46	74	41	85	55	61	53	82	51	82	43	62	49	73	49	89	64	79	57	73	48	57	50
12....	61	54	70	51	83	44	78	48	83	59	56	54	82	55	84	48	59	47	66	55	86	45	81	51	67	52	58	51
13....	64	50	63	43	80	54	80	38	75	55	58	50	78	54	79	55	57	40	62	50	75	40	70	53	62	50	57	48
14....	64	47	62	46	65	40	81	39	72	45	56	49	72	40	68	42	55	40	60	49	77	50	63	48	59	48	55	47
15....	58	47	66	43	75	35	79	40	74	45	55	50	72	50	75	40	56	41	65	47	80	52	72	45	66	46	55	48
16....	68	43	66	48	75	43	82	46	74	50	58	49	74	48	73	51	59	34	64	48	77	52	69	49	66	45	60	45
17....	79	44	69	41	79	43	84	51	80	49	61	53	78	54	82	42	60	42	71	52	83	57	81	48	68	52	63	50
18....	79	51	72	46	81	43	63	52	86	53	63	53	86	57	86	46	71	44	72	54	90	60	84	56	74	55	64	54
19....	62	52	68	51	72	54	60	46	74	57	58	52	84	57	77	56	56	49	58	51	78	68	65	55	58	51	58	51
20....	71	48	68	50	75	44	75	47	76	50	64	52	74	42	74	44	60	48	68	51	83	61	69	49	69	50	60	51
21....	68	54	66	51	80	42	71	54	73	54	60	53	77	54	79	50	59	47	70	52	76	58	76	50	71	52	62	51
22....	69	55	67	46	66	50	65	50	68	54	62	56	75	57	69	56	63	46	64	54	78	60	63	54	64	54	65	51
23....	66	55	68	51	65	54	66	53	76	54	61	54	73	52	72	54	63	52	66	54	75	55	69	57	66	54	61	55
24....	64	54	67	48	73	47	67	53	77	53	59	55	74	48	72	47	64	49	65	54	75	52	68	52	65	54	60	54
25....	69	54	67	48	70	48	73	52	74	56	60	56	75	52	70	52	64	52	65	55	75	48	65	51	68	55	63	54
26....	71	48	66	54	75	52	68	48	82	50	60	55	78	48	74	47	65	52	68	54	81	49	72	52	70	53	64	55
27....	64	52	70	48	71	55	67	45	79	57	60	56	82	56	71	56	63	54	68	54	81	58	64	57	68	53	60	54
28....	68	54	70	54	74	52	66	46	82	56	60	54	78	55	77	53	60	47	63	54	75	54	73	55	65	55	60	53
29....	65	54	69	47	77	52	64	53	84	54	60	55	78	54	77	50	59	48	69	53	81	58	73	53	69	52	59	53
30....	68	57	67	57	66	49	70	56	81	57	61	54	80	58	74	56	60	46	67	56	80	60	65	53	68	57	59	53
Mns..	68.1	49.4	67.8	47.5	77.9	46.6	72.8	47.2	79.3	53.4	58.6	52.3	79.2	53.4	78.6	49.2	60.9	45.4	67.1	51.9	82.3	55.9	74.1	52.4	67.9	51.4	58.9	50.5

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.....	93	62	92	58	84	50	88	50	92	58	97	47	72	44	87	60	.....	.....	93	55	94	54	92	51
2.....	94	67	85	57	82	51	86	44	85	57	98	51	66	50	87	56	.....	.....	88	55	97	61	94	52
3.....	91	63	84	50	82	49	82	42	84	50	96	48	64	50	82	53	.....	.....	87	50	93	58	93	51
4.....	80	57	78	46	74	46	71	42	78	46	92	47	61	50	68	52	.....	.....	67	51	86	58	90	57
5.....	78	52	79	45	73	41	76	40	79	45	88	45	63	40	72	47	.....	.....	76	43	86	58	86	54
6.....	87	54	82	46	81	42	81	44	82	46	90	44	65	40	80	50	.....	.....	82	43	86	50	88	53
7.....	83	62	69	54	77	56	74	40	69	54	85	60	66	49	73	57	.....	.....	74	47	86	61	90	57
8.....	77	55	59	47	75	50	68	34	59	47	83	48	64	51	65	54	.....	.....	63	53	74	58	85	52
9.....	64	53	68	45	61	47	71	38	68	45	85	49	63	44	70	52	65	40	67	48	78	57	77	55
10.....	77	56	70	45	64	48	74	40	70	45	82	47	66	43	75	48	72	35	75	43	79	55	75	49
11.....	81	55	77	45	70	44	75	42	77	45	84	52	72	40	78	50	80	30	80	44	86	54	80	54
12.....	85	62	78	50	75	46	76	48	78	50	87	53	66	51	73	56	83	40	77	50	85	58	83	44
13.....	69	53	62	51	64	49	72	50	62	51	82	52	64	50	66	54	70	48	63	47	77	57	85	64
14.....	69	50	66	46	64	45	66	47	66	46	75	49	64	44	60	51	68	38	65	45	72	46	80	48
15.....	71	50	71	45	68	42	69	50	71	45	79	40	65	46	71	48	73	42	68	49	77	52	84	43
16.....	71	53	75	45	67	44	68	50	75	45	75	41	66	38	68	48	74	40	72	42	77	50	85	53
17.....	83	52	77	50	77	46	70	49	77	50	84	45	70	47	80	56	82	36	79	52	85	53	89	55
18.....	79	58	70	49	81	50	72	53	70	49	89	51	66	49	80	57	85	39	72	52	90	61	94	57
19.....	70	56	63	45	70	46	65	52	63	45	77	58	66	50	64	54	67	40	67	50	80	56	89	60
20.....	79	53	74	43	73	38	72	49	74	43	82	48	71	44	74	54	79	31	79	51	80	52	81	40
21.....	81	58	71	48	73	45	69	53	71	48	85	49	64	56	70	55	76	42	71	58	81	58	85	40
22.....	70	60	71	56	61	52	70	53	71	56	78	48	65	58	71	58	70	52	72	59	74	59	74	58
23.....	72	57	72	54	64	48	70	55	72	54	82	47	63	57	67	56	68	43	70	57	76	59	76	54
24.....	66	57	68	51	54	45	62	54	68	51	85	52	65	54	65	55	68	42	64	54	75	56	73	52
25.....	73	53	67	49	58	46	65	50	67	49	75	49	64	50	66	54	67	42	70	53	78	54	69	51
26.....	78	54	60	49	66	41	69	48	60	49	87	47	64	50	72	52	67	42	59	54	83	50	72	45
27.....	70	58	56	48	55	49	69	54	56	48	80	55	66	52	70	55	66	48	64	53	80	60	68	54
28.....	74	56	72	49	62	48	70	50	72	49	78	57	68	54	67	56	68	36	70	53	78	57	72	54
29.....	79	56	76	44	69	44	74	51	76	44	84	55	71	48	70	55	77	37	79	54	81	54	80	50
30.....	77	58	76	49	69	51	74	50	76	49	83	55	65	56	73	59	75	48	68	56	80	60	75	57
Mean.....	77.4	56.3	72.3	48.6	69.8	46.6	72.3	47.4	72.3	48.6	84.2	49.6	65.8	48.5	72.1	53.7	72.7[b]	40.5[b]	72.7	50.7	81.8	55.9	82.1	52.1

[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.