Climatological Data for January, 1910.

DISTRICT No. 1, NORTH ATLANTIC STATES.

WILFORD M. WILSON, District Editor.

The weather for the month of January, 1910, for the district as a whole, may be characterized as stormy, even for the winter season, when storm frequency is at its maximum in this latitude.

Five well-marked disturbances passed over the North Atlantic States during the month, while several others passed so near that a part of the district was well within the zone of their influence. Some of these storms were general and severe, being accompanied with high winds and heavy precipitation, and traversing practically the entire district from Virginia to Maine.

The month was warmer than usual in practically all portions of the district and the precipitation was generally quite largely in excess of the normal January amount.

The most notable event was the rapid rise in most rivers and streams at the beginning of the third decade, which threatened to become serious in many localities. This was the first general rise of importance in the rivers for several months, and in some instances it came with startling suddenness, the more alarming because preceded by so long a period of low water. The rise was occasioned by general and heavy warm rains, which melted much of the large accumulation of snow on the ground and the run-off quickly brought the rivers and streams nearly to the flood stage.

Although in many instances the situation was threatening, the water generally passed away without causing much damage, except where the floating ice met with obstructions, thus forming a temporary dam. A notable case of this kind occurred at Port Deposit, Md., where great loss of property resulted from an ice gorge that formed in the Susquehanna River, near that city.

TEMPERATURE.

The average temperature for the district, as a whole, was 29.2°, about 0.6° above the normal, and ranged from 25.6° in New England to 33.7° for that part of Virginia included in the district. The average temperature for the month was considerably above the normal in New England and northern New York, and normal, or slightly above, in the remaining portions.

The greatest departures occurred in Maine and northern New York, where the daily excess of temperature at some individual stations averaged more than 8°. Several sudden and extreme changes occurred, but the temperature conditions for the month, as a whole, were not more variable than for the average January in this latitude.

The month opened with moderate temperatures, except in parts of New England, where temperatures from 10° to −8° were recorded on the 1st. The 2d and 3d were mild and pleasant over the district and decidedly warm, especially over the southern sections on the 3d, when the maximum temperature of the month was recorded at many stations. A cold wave of considerable severity overspread the district during the night of the 3d, causing a sudden fall of temperature amounting to from 20° to 40°. This was the most pronounced cold period of the month in many localities, particularly in New England and northern New York, where minimum temperatures of from −20 to −30° were recorded at many stations. The cold weather continued throughout the 5th, Indian Lake, N. Y., a station in the Adirondack Mountains, recording a temperature on that day of −33°, and Woodstock, Vt., −28°. Zero temperatures were general at this time as far south as Pennsylvania and New Jersey.

The temperature rose rapidly on the 6th and 7th, but on the 8th a sharp fall occurred, especially over the northern part of the district, that resulted in temperatures from zero to −20° over the interior of New England and New York. The 9th and 10th were comparatively mild days, although zero temperatures were reported from a few localities in southern New York and northern Pennsylvania on the latter date. From the 11th to the 16th moderate weather prevailed, except in the mountain districts of New England and New York, where the cold continued, but on the 16th the most general and widespread cold period of the month developed. While the temperatures over the northern part of the district were not so low during this period as those that occurred with the cold wave of the 3d, the cold, in this instance, was not confined to New England and New York but extended to the southern limits of the district. The following temperatures indicate the severity and extent of the cold: Lawrenceville, Pa., −22° on the 16th; Layton, N. J., −15° on the 17th; Taneytown, Md., −12°, and Stephens, Va., zero on the 16th. The weather continued cold throughout the 17th but moderated on the 18th. During the following two days there was a gradual rise in temperature, culminating on the 21st in the most pronounced warm period of the month. During the remainder of the third decade the temperature was variable but no very pronounced departures from the normal occurred.

PRECIPITATION.

The average precipitation for the district was 4.52 inches, which is about 1.47 inch more than usually occurs during the month of January. The distribution was quite uniform, except in Maine and Vermont, where there was a slight deficiency as compared with the normal. For the remainder of the district the monthly amounts, except for 2 stations in New York, were everywhere considerably in excess of the normal. The heaviest precipitation occurred over Long Island and vicinity and about the mouth of the Hudson, where the totals for the month ranged from about 5 to somewhat more than 7 inches. Over the upper Susquehanna Basin the precipitation was generally from 3 to 5 inches, and over the upper Delaware somewhat more than 5 inches. Over the central part of the Susquehanna watershed, particularly in the mountain districts of Pennsylvania, the monthly amounts ranged generally from 5 to nearly 7 inches, a large part of which was in the form of snow. The greatest amount for the month at any individual station, 8.09 inches, occurred at Southeast Reservoir, N. Y., which is, however, closely followed by 8.05 inches at Waterbury, Conn. While heavy rains and snows occurred at many stations, only 3 reported excessive precipitation. At Canton, Conn., 3.53 inches occurred in less than 17 hours on the 21st and 22d. Waterbury, Conn., reported 2.79 inches, and Carmel, N. Y., 2.63 inches within 24 hours on the same dates.

Fair weather prevailed generally during the opening days of the month, but the passage of a storm of moderate intensity down the St. Lawrence Valley resulted in light and scattered snows over the northern part of the district on the 3d and 4th. Rain began over the southern part of the district on the 5th, under the influence of a storm of considerable energy that moved northeastward from the Gulf to New England and, spreading rapidly, became general on the 6th and 7th. Much of the precipitation from this storm in the interior of New York and New England was in the form of snow, and in some localities the fall was sufficiently heavy to interfere to some extent with transportation traffic.

From the 8th to the 12th generally fair weather prevailed, but on the morning of the 13th rain set in over West Virginia and by the morning of the 14th rain or snow was falling through-

out the district, except in New England and northern New York. General rains and snows occurred again on the 18th, but the severest and most widespread storm of the month occurred during the 21st and 22d. The precipitation that accompanied this storm was mostly in the form of rain and sleet. The precipitation from the 23d to 28th was generally light and scattered, but on the 29th a storm of great intensity passed up the Atlantic coast, causing general and heavy rain over the southern part of the district, with snow in the interior of New York and New England.

RIVER CONDITIONS.

The sudden and, in some instances, dangerous rise that occurred in most of the rivers and streams at the beginning of the third decade was the principal event connected with the river situation for the month. The stages at practically all points on the principal rivers and streams were unusually low at the beginning of the month and no change of importance occurred until the 21st and 22d, when the heavy warm rains melted most of the large accumulation of snow on the ground at that time and caused the first considerable rise in the rivers for more than 6 months.

The rise in the Mohawk River occurred on the 22d and 23d, but at no point did the river attain the flood stage, the nearest approach being a stage of 10 feet at Utica, which is 1 foot below the flood line.

The following reports of officials in charge of the Weather Bureau offices at Albany, Binghamton, and Harrisburg indicate the nature and extent of this rise in their respective localities:

Albany, N. Y.—The Hudson River on the morning of the 22d was 7.8 feet above the zero of the gage, but with the general rains of the previous night, it was considered advisable to call for special reports from the substations in the upper watershed. When these reports were received it was found that the height of the water at the upper stations was not sufficient to justify flood warnings unless the ice should move and form gorges below Albany. With freshet conditions and high temperatures this seemed very probable and the warnings were, therefore, issued.

The warnings were amply justified, as the river rose steadily for 21 hours, and ice gorges formed below this city that caused the water to back up to 14.6 feet at 7 a. m. at Albany, and to 15.5 feet at 6 p. m. at Troy, this being 2.6 feet above the flood stage at Albany, and 1.5 feet above at Troy, and the river continued above the flood stage till the morning of the 24th.

The warnings were so generally heeded that there was little loss that could have been avoided, either in Troy or Albany.

The money value of the property destroyed and damaged by the flood was about $10,000.

There was no damage to crops, and there was little loss from erosion, due to the frozen condition of the ground.

The money value of the property saved by the flood warning from this office was probably about $35,000.

The losses occasioned by enforced suspension of business through the flood was small, owing to the fact that the high water occurred during Saturday night, Sunday, and Sunday night, when places of business were closed.

Binghamton, N. Y.—The rain and warmth of January 21 caused the rivers to begin to rise the afternoon of that day and a small amount of ice (weakened by ice cutting) in the neighborhood of Binghamton broke up and passed out that night. On the morning of the 22d the rivers were rising generally throughout the district and notices were issued that they would continue to rise that afternoon and night with some ice starting. Dangerous conditions or serious ice gorges were not anticipated, except that a stage of 16 feet was forecast for Bainbridge, N. Y., the bank-full stage at that place being 11 feet.

The rivers continued to rise, as anticipated, and a stage of about 16 feet was reached at Bainbridge, N. Y., early on the morning of the 23d. Moderate gorges formed 3 miles below Bainbridge and at Riverside, N. Y. Elsewhere bank-full stages were not quite reached. The damage in the district was slight, probably not exceeding $1,000.

Harrisburg, Pa.—The streams of the Susquehanna River system became generally ice-bound during the first decade of December, 1909, while the stages of water were very low, and there was considerable apprehension felt as to the possible effect of continued cold weather on the water supply, which had been very low since midsummer, throughout the entire valley. A general storm, however, that began during the night of December 12, the precipitation beginning as snow and changing to rain early on the morning of the 13th, together with temperatures sufficiently high to cause the melting of considerable snow, resulted in a general rise of 1 to 2.5 feet in the river and its principal branches, and broke up and carried off the ice from the main river. The ice remained in place generally in the tributaries but the higher stages of water dissipated the fear of solidly frozen streams. Colder weather followed the rain storm of December 13 and by the night of December 20 the streams, including the main river, were generally icebound and continued so without material change until the night of January 19, with ice ranging from 6 inches to over 2 feet in thickness. At about 2 a. m., January 19, the ice broke at Clearfield and moved out on a stage of water estimated at between 8 and 9 feet. This break was caused by high temperature, melting snow, and moderately heavy rains over the headwaters of the West Branch on January 18. The ice flood reached Renovo about 1:30 p. m. of the 19th and by 3 p. m. the river there had risen to 7.6 feet. The ice gorged near Jersey Shore on the night of the 19th, the water flooding the lowlands above the gorge. On January 20 a stage of 15 feet was reported at Pine Station, about half way between Jersey Shore and Lock Haven, but no material damage was done. No further movement of ice occurred until the 21st when a general rain set in over the Susquehanna Basin attended by temperatures sufficiently high to melt considerable snow. The rainfall was exceptionally heavy over the lower portion of the West Branch on the 21st, and during the afternoon the ice below the dam at Williamsport moved out and during the night of the 21st a general movement of ice began at all points above Harrisburg and for some distance below, the break at Harrisburg occurring about 3:30 a. m. The gorges in the West Branch, near Jersey Shore, were carried out without doing any damage of consequence and the damage in the principal tributaries and, in fact, at all points above Harrisburg was slight, being confined mainly to the destruction of a few boathouses and the carrying off of a number of small boats and barges. Below Harrisburg, however, the damage was great, particularly at Port Deposit, Md., where, due to gorging, the flood was the worst in the history of the town, the water reaching, according to a reliable report, a stage about 3 feet higher than that experienced in the great ice flood of March 4, 1904. Other towns on the lower river, notably Havre de Grace and Perryville, Md., were considerably damaged. The most serious loss reported in Pennsylvania was that of the iron bridge across Swatara creek, at Hummelstown, which was swept away by ice between 9 and 10 a. m., January 22. The only other damage in the vicinity of Hummelstown reported was the destruction of a few boathouses. Considerable damage was done to the dam of the York Haven Water and Power Company at York Haven, Pa., some of the cribbing, logs, and planks being swept away by the ice. No flood stages occurred at any of the regular reporting stations.

No general warnings were issued as they were not considered necessary. Such advisory messages and special warnings as the situation seemed to require were sent and the conditions, as they developed, were given in the river bulletins and forecasts on the weather map from day to day.

MISCELLANEOUS.

The average number of days for the district on which .01 inch or more precipitation occurred was 12, and ranged from 10 days in West Virginia to 15 days in New Jersey. The average number of clear days was 9; partly cloudy, 8; and cloudy, 14. The cloudiness was greatest over Pennsylvania, with an average of 17 cloudy days for the month, and least in New England, with an average of 13 days.

The average number of hours of sunshine, as recorded at 13 stations, was 115, which is about 36 hours less than the average for the month of December, 1909. The greatest percentage of possible sunshine, 53 per cent, occurred at Eastport, Me., and the least, 19 per cent, at Binghamton, N. Y. There were 15 days during the month when the sunshine for the district averaged 80 per cent or more of the possible; 8 days with an average between 20 and 80 per cent, and 7 days with an average of 20 per cent or less.

ICE STORM OF JANUARY 5–6, 1910.

The greater portion of New Jersey was visited on January 5–6, 1910, by an ice storm of exceptional severity, the conditions being especially severe in the northern and some of the western counties. A remarkable feature of the storm was the occurrence of rain with temperatures as low as 16° and 17° and ranging upward to about 25°. In the western counties the storm began early in the afternoon of the 5th, and by late afternoon it had extended eastward to Jersey City and vicinity. Rain continued through the night of the 5–6th, freezing as it reached the ground and covering objects with an ice deposit, which at Moorestown, Burlington County, was reported as one-fourth of an inch thick, and at Jersey City, Hudson County, was estimated to measure from one-half to three-fourths of an inch in thickness. The rain increased in volume about daylight on

the 6th, and falling heavily during the day, with temperature above 32°, formed puddles over the ice, resulting in a condition dangerous to pedestrians and interruption of traffic service in the large cities. Many persons received injuries from falls. Except in places where it was removed, the ice covering remained for several days.—*L. A. Judkins, Section Director.*

THE HIGH TIDE OF DECEMBER 26, 1909.

The morning tide of December 26, 1909, attending the severe storm of this date on the New England coast, was one of the highest ever recorded in Boston Harbor. At Boston Light the predicted time of high tide was 10:20 a. m. The wind from the late afternoon of the 25th until nearly noon of the 26th, was from the east and northeast over Boston Harbor and Massachusetts Bay, rapidly increasing in force during the evening of the 25th to very high velocities soon after midnight, which continued undiminished through the morning and day of the 26th. At Cape Cod, Highland Light, the velocity at 8 a. m. of the 26th was 48 miles northeast; noon, 72 miles; 2:15 p. m., 84 miles; at 5 p. m., 66 miles, all from the east-northeast, and at midnight it was 60 miles north. At Hull, Mass., the hourly movements on the 26th were as follows: Midnight to 1 a. m., 37 miles; 1 to 2 a. m., 43; 2 to 3 a. m., 46; 3 to 4 a. m., 63; 4 to 5 a. m., 58; 5 to 6 a. m., 60; 6 to 7 a. m., 56; 7 to 8 a. m., 60; 8 to 9 a. m., 54; 9 to 10 a. m., 65; 10 to 11 a. m., 55; 11 a. m. to noon, 48. During the afternoon the velocity ranged between 40 and 50 miles per hour. The maximum velocity at Hull was about 72 miles per hour at 9:35 a. m. At Boston the hourly movements from midnight to noon of the 26th ranged between 25 and 39 miles, the hourly maximum rates between 32 and 45 miles per hour, the latter occurring at 5:10 a. m., from the northeast. The increasing and high wind occurring with the rising tide, together with a high run of tide, caused the water in Boston Harbor to reach approximately the record height of the tide of April 16, 1851, which at the United States Navy Yard was 15.0 to 15.1 feet, the height of the tide of December 26, 1909, being, at the same station, 14.98 feet. In general, the tide in Boston Harbor and Massachusetts Bay was approximately 3.5 feet above the predicted height. The actual height, as given by the United States Engineers and other reliable authorities at the following places, was as follows: Newburyport, Mass., Harbor, Black Rock Wharf, 12.68 feet; Sandy Bay, Rockport Harbor, 13.64; Boston Harbor, Deer Island, 14.56; Plymouth Harbor, 14.8; Barnstable Bay, 13.25; Provincetown Harbor, 14.35. The tide at all of these stations, with the exception of Plymouth and Barnstable, was approximately 5 feet above mean high water.

The high water caused great damage to water-front and shore property in many places, by the flooding of cellars, and by washouts. The greatest damage occurred in portions of Chelsea and Everett, Mass., where the breaking of a dike permitted the tide to cover a large residential section to a depth of several feet, causing the death of two persons and temporarily driving several thousand persons from their homes.—*J. W. Smith, District Forecaster.*

THE WEATHER AND THE PLANT PATHOLOGIST.

By DONALD REDDICK, Assistant Professor of Plant Pathology, New York State College of Agriculture.

Since the more or less accidental discovery of Bordeaux mixture in 1882 in France, the science of preventive medicine as applied to plants has made rapid strides. Plant pathologists have found in looking into the life histories of many fungous parasites affecting our cultivated plants and producing rusts, blights, rots, or mildews, that the spores of the fungus which produce new infections most often get their start in the moisture and favorable conditions which are furnished by a rain. This is the reason that many of these diseases are incorrectly attributed to the weather. The fungus is directly dependent upon weather conditions. There must not only be rain, but foggy or cloudy weather also, so that the drops will not dry up before the fungous spore sprouts, grows, and becomes established. At the present time it has come that a plant pathologist who goes to the field, vineyard, or orchard to investigate a disease is as sure to take with him meteorological instruments as he is the microscope, and the daily weather maps are indispensible. If he is spraying to prevent one of these diseases he uses a spray which will not wash off in rain water and applies it a day or so before the rain, which, from his study of the weather maps, he suspects will come. The progressive grower, too, is coming to appreciate these facts and as a result is having better success in controlling these diseases.

The cause of some plant diseases remains in doubt for a long time though they are often of great importance and are much discussed in agricultural meetings. In such meetings a common name is used in referring to the disease, but unfortunately a single common name, e. g., blight, often covers more than one disease. Here the plant pathologist, in working up the history of the distribution and spread of a disease, often finds the old weather records of the greatest value. If one were to find in the transactions of a horticultural society a discussion about and a general discription of a blight of pears which did not seem to quite conform to the generally accepted appearance of fire blight, he might be able to show by consulting meteorological data that this was the fungous leaf blight which is prevalent only in years following a wet spring. Professor Selby, of Ohio, has shown from observations over a period of 7 years that the amount of peach leaf curl, a fungous disease, is directly dependent upon the occurrence of cold, drizzling weather in April, May, or June.

Lately that most elusive of all plant diseases, peach yellows, has been attributed to adverse weather conditions, namely, winter kill and summer drought. This disease is of considerable importance in the State of New York. Thanks to available weather records we need not wait a long period of years to test out this theory. A student should be able to get all the data together in a week and show certainly whether there is really a correlation between weather conditions and epidemics of this dread disease.

The three phases of the weather service herein mentioned are the ones that at the present time seem of greatest importance. As we learn more about our science we shall no doubt be able to make even greater use of the records and forecasts of the weather service.

TABLE 1.—*Climatological data for January, 1910. District No. 1, North Atlantic States.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	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, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Maine.																				
Bar Harbor	Hancock	20	24	28.4	+ 6.8	48	29	− 9	5	39	3.30	− 1.73	0.90	17.0	10	12	4	15	se.	Wm. Miller.
Cornish	York	778	55	25.4	+ 5.4	55	2	−14	5	46	4.25	+ 0.67	1.04	9.0	12	16	4	11	ne.	T. H. West.
Eastport	Washington	53	38	27.3	+ 7.2	53	22	−10	4	41	3.80	− 0.64	0.95	7.2	14	7	5	19	sw.	U. S. Weather Bureau.
Fairfield	Somerset	90	25	23.6	+ 7.8	53	22	−14	8	41	2.19	− 0.83	0.82	.....	6	11	16	4	.....	Edward F. Parker.
Farmington	Franklin	450	13	21.6	+ 6.5	48	22	−17	5	48	3.48	− 0.45	1.58	12.5	8	14	8	9	nw.	State Normal School.
Gardiner	Kennebec	163	18	26.0	+ 8.4	56	22	−13	5	51	3.22	− 0.53	0.65	4.0	12	14	2	15	sw.	Samuel D. Soule.
Greenville	Piscataquis	1,000	6	18.5	.....	47	22	−18	4†	35	3.43	.....	1.38	15.0	.....	.....	.....	.....	.....	U. S. Weather Bureau.
Houlton	Aroostook	362	8	16.1	.....	49	24	−25	15	43	0.95	.....	0.45	8.0	5	20	1	10	ne.	Bangor & Aroostook R. R.
Lewiston	Androscoggin	185	36	25.1	+ 6.9	52	22	− 8	4†	40	3.44	− 0.76	1.03	6.3	11	13	6	12	nw.	Union Water Power Co.
Madison	Somerset	257	7	17.4	.....	52	23	−16	5	39	4.13	.....	1.44	12.0	10	14	4	13	nw.	Wm. Jardine.
Millinocket	Penobscot	386	7	20.2	.....	52	22	−23	14	44	4.05	.....	1.10	9.8	12	11	4	16	nw.	H. S. Ferguson.
North Bridgton	Cumberland	450	17	25.0	+ 6.6	50	16	−12	5	37	3.77	+ 0.24	1.04	16.5	8	10	7	14	nw.	G. E. Chadbourne.
Orono	Penobscot	129	41	22.4	+ 6.2	53	22	−17	5	50	3.57	− 0.58	1.23	11.0	8	11	5	15	sw.	Agricultural Exp. Station.
Patten	...do	550	8	19.0e	.....	49e	22	−20e	15	43e	3.10e	.....	1.17e	14.0e	7e	13e	1e	12e	nw.	Bangor & Aroostook R. R.
Portland	Cumberland	99	39	27.9	+ 5.9	49	2	− 4	5	29	2.90	− 0.91	0.82	5.0	11	10	8	13	n.	U. S. Weather Bureau.
Presque Isle	Aroostook	.....	.....	16.6	.....	47	23	−28	15	49	1.89	.....	0.54	6.3	7	16	5	10	w.	San Lorenzo Merriman.
Rumford Falls	Oxford	505	17	22.3	+ 5.8	51	22	−11	5	34	3.88	+ 0.36	1.87	14.2	10	19	5	7	nw.	Chas. A. Mixer.
Winslow	Kennebec	90	15	20.4	+ 2.6	53	22	−16	5	42	3.12	.....	0.87	11.0	8	15	8	8	w.	Hollingsw'th & Whitney Co.
New Hampshire.																				
Alstead Center	Cheshire	1,120	6	22.1	.....	49	22	−16	5	32	3.59	.....	0.74	25.5	14	14	2	15	nw.	Frank Dewing.
Benton	Grafton	.....	.....	23.8	.....	62	18	− 2	10	42	2.40	.....	1.10	.....	6	17	7	7	nw.	P. C. Bartlett.
Bethlehem	...do	1,470	18	20.3	+ 4.9	54	22	−22	5	44	3.17	+ 0.84	0.81	16.5	12	11	5	15	w.	Benjamin Tucker.
Concord	Merrimack	350	50	25.7	+ 4.5	50	22	−10	5	44	4.10	+ 0.76	1.06	9.1	13	7	10	14	nw.	U. S. Weather Bureau.
Durham	Stafford	88	15	25.6	+ 2.9	48	21†	−17	5	47	2.90	− 0.98	1.35	8.5	9	15	2	14	nw.	Agricultural Exp. Station.
Franklin	Merrimack	440	11	24.8	.....	50	22	−14	5	33	3.48	.....	0.90	12.5	13	13	7	11	nw.	Dr. C. P. Webster.
Grafton	Grafton	863	24	21.0	+ 4.2	48	22	−18	1†	39	3.80	+ 1.19	1.25	16.0	14	16	2	13	nw.	Perley R. Kimball.
Hanover	...do	603	76	20.6	+ 3.7	49	22	−23	5	39	2.50	− 0.15	0.70	12.3	10	7	12	12	nw.	Dartmouth College.
Keene	Cheshire	506	25	22.7	+ 1.8	53	22	−18	5	52	4.01	+ 1.30	1.05	16.5	14	12	7	12	nw.	Samuel Wadsworth.
Nashua	Hillsboro	125	25	24.7	+ 2.2	53	22	−14	5	46	4.49	+ 0.44	0.99	22.5	15	11	9	11	n.	Jackson Company.
Newton	Rockingham	.....	22	25.8	+ 2.8	49	22	−16	5	35	4.20	+ 0.50	0.78	10.0	11	9	13	9	sw.	W. C. Gale.
Plymouth	Grafton	500	22	22.4	+ 6.0	46	22	−14	5	33	4.05	+ 0.43	1.66	19.3	10	17	3	11	w.	Hattie G. Trow.
Vermont.																				
Bloomfield	Essex	.....	3	18.0	.....	52	22	−27	5	43	3.14	.....	0.83	18.0	10	18	8	5	s.	P. S. Tirrill.
Cavendish	Windsor	910	7	21.6	.....	50	22	−22	5	35	4.19	.....	1.59	10.5	10	12b	4b	13b	.....	Miss M. A. Kingsbury.
Chelsea	Orange	830	15	18.4	+ 3.4	49	22	−23	5	40	2.96	− 0.15	0.60	17.0	11	13	5	13	n.	W. F. Dewey.
Jacksonville	Windham	1,000	25	17.3	− 1.2	42	21†	−20	5	44	3.07	− 1.82	1.16	47.0	10	16	8	7	nw.	Miss Martha French.
Manchester	Bennington	980	11	22.0	.....	51	22	−15	5	45	1.72	− 0.26	0.65	10.5	7	9	10	12	sw.	N. M. Canfield.
St. Johnsbury	Caledonia	711	17	20.2	+ 5.3	53	22	−22	5	42	2.12	− 0.33	0.73	14.3	9	9	7	15	n.	Fairbanks Museum.
Woodstock	Windsor	700	18	19.2	+ 3.8	50	21	−28	5	46	3.99	+ 1.02	1.52	22.0	10	11	2	18	.....	John S. Eaton.
Massachusetts.																				
Amherst	Hampshire	222	21	26.2	+ 2.6	56	22	− 9	5	41	6.14	+ 2.68	1.20	19.5	13	9	9	13	ne.	Agricultural Exp. Station.
Blue Hill	Norfolk	640	26	28.6	+ 3.6	54	22	− 8	5	34	4.89	+ 0.61	0.89	18.2	17	9	7	15	w.	Blue Hill Observatory.
Boston	Suffolk	124	40	32.0	+ 5.0	57	22	− 3	4†	30	4.25	+ 0.43	1.29	11.9	15	6	9	16	w.	U. S. Weather Bureau.
Chestnut Hill	...do	124	30	29.3	+ 2.9	56	22	− 6	5	34	6.11	+ 1.78	1.52	15.0	16	.....	.....	.....	.....	Metropolitan Water Board.
Clinton	Worcester	370	14	26.5	.....	51	21	−12	4	50	6.49	.....	1.32	13.0	14	14	1	16	.....	Do.
Concord	Middlesex	139	20	25.9	+ 2.6	54	22	−17	5	46	4.30	+ 0.75	1.29	12.9	15	8	8	15	nw.	Fred. A. Tower.
Fall River	Bristol	200	44	32.2	+ 3.5	54	22	− 3	5	41	5.72	+ 1.15	1.23	16.0	14	12	6	13	sw.	C. V. S. Remington.
Fitchburg	Worcester	550	27	27.4	+ 3.8	54	22	−10	5	33	5.07	+ 0.95	0.80	17.5	13	15	3	13	w.	Dr. A. P. Mason.
Framingham	Middlesex	160	30	27.8	+ 2.1	55	22	−12	5	39	4.98	+ 0.58	0.93	14.8	13	.....	.....	.....	.....	Metropolitan Water Board.
Hyannis	Barnstable	31	19	32.1	+ 1.4	48	29	7	4†	28	6.78	+ 2.91	1.38	19.5	14	9	11	11	nw.	C. F. Sleeper.
Lawrence	Essex	51	26	26.6	+ 2.8	50	22	−10	1	44	4.00	− 0.11	1.46	13.5	13	10	12	9	w.	Essex Company.
Lowell	Middlesex	100	25	28.6	+ 4.2	54	22	−10	5	47	4.41	+ 0.28	0.89	.....	10	.....	.....	.....	.....	Prop's Locks and Canals.
Middleboro	Plymouth	53	24	29.0	+ 2.3	55	22	− 7	16	51	4.88	+ 0.48	0.91	11.3	14	9	6	16	nw.	A R. Gurney.
Monson	Hampden	420	26	27.0	+ 2.9	48	21†	−10	5	42	5.62	+ 1.51	1.15	18.0	14	14	6	11	sw.	Dr G. E. Fuller.
Nantucket	Nantucket	15	24	34.5	+ 2.4	50	7†	10	4	25	6.90	+ 3.48	1.40	21.5	17	10	4	17	w.	U. S. Weather Bureau.
New Bedford	Bristol	88	98	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	City Engineer.
Norfolk	Norfolk	244	7	29.0	.....	50	21	−17	5	48	4.30	.....	1.02	15.4	12	14	3	14	w.	Miss Ruby H. Martyn.
Northampton	Hampshire	205	2	23.4	.....	46	22	− 9	17	46	6.15	.....	2.09	15.0	12	12	2	17	nw.	D. E. Hoxie.
Plymouth	Plymouth	.....	25	29.4	.....	52	22	0	5	36	4.42	.....	0.87	11.0	12	14	1	16	.....	Laura B. Knapp.
Provincetown	Barnstable	40	23	33.0	+ 3.2	48	22	7	5	22	6.33	+ 2.68	1.90	21.5	12	16	0	15	sw.	Gideon Bowley.
Rockport	Essex	25	8	31.6	.....	64	28	0	5	31	6.20	.....	1.20	4.0	7	12	8	11	nw.	C. F. B. Bca-se.
Rutland	Worcester	1,160	8	25.4	.....	51	21	−12	4	36	5.53	.....	1.16	17.9	15	14	5	12	sw.	State Sanatorium.
South Egremont	Berkshire	764	8	22.5	.....	44	18†	−12	1†	44	6.04	.....	2.05	19.8	12	.....	.....	.....	nw.	Roscoe C. Taft.
Turners Falls	Franklin	200	19	25.0	+ 3.4	55	22	− 9	5	40	5.94	+ 3.12	2.02	19.9	9	.....	.....	.....	.....	Turners Falls Co.
Westboro	Worcester	298	36	28.5	+ 3.0	55	22	− 9	5	42	5.22	+ 1.25	1.25	14.0	11	.....	.....	.....	.....	G. S. Newcomb.
Williamstown	Berkshire	711	29	25.0	+ 3.2	47	21	− 9	5	38	3.90	+ 0.55	0.98	10.5	13	7	9	15	w.	Williams College.
Worcester	Worcester	518	18	28.8	+ 4.0	52	22	− 5	5	29	5.10	+ 2.07	0.88	16.1	12	12	6	13	sw.	G. W. Swan.
Rhode Island.																				
Block Island	Newport	26	30	33.8	+ 2.4	48	22	4	5	40	4.86	+ 1.00	1.61	8.8	18	11	3	17	nw.	U. S. Weather Bureau.
Bristol	Bristol	53	24	31.8	+ 2.8	50	22	− 1	5	38	5.18	+ 0.77	1.07	14.0	15	14	6	11	sw.	N. G. Herreshoff.
Kingston	Washington	250	21	30.3	+ 2.6	49	22	− 7	5	44	7.03	+ 1.93	1.80	17.0	13	9	12	10	w.	Nathaniel Helme.
Narragansett Pier	Newport	22	28	31.7	+ 2.8	48	19	− 1	5	39	5.57	+ 0.56	1.84	11.0	15	12	5	14	sw.	U. S. Weather Bureau.
Providence	Providence	182	6	31.4	+ 4.2	56	22	− 5	5	45	4.85	+ 1.03	1.16	15.7	17	9	6	16	nw.	Do.
Connecticut.																				
Bridgeport	Fairfield	20	17	30.4	.....	50	22	− 1	5	34	7.59	+ 3.74	1.56	10.1	15	10	9	12	sw.	William Jennings.
Canton	Hartford	900	49	24.7	.....	48	22	−11	5	35	7.89	.....	3.53	10.0	10	12	5	14	nw.	G. J. Case.
Colchester	New London	370	24	27.4	+ 0.2	53	22	−10	5	36	6.97	+ 2.91	2.15	14.0	14	12	3	16	w.	S. P. Willard.
Cream Hill	Litchfield	1,300	14	25.8	+ 3.2	49	21	−11	5	39	6.62	+ 3.28	1.85	33.2	15	11	3	17	sw.	C. L. Gold.
Danielson	Windham	300	8	25.8	.....	46	21	− 9	1†	39	6.14	.....	1.50	17.5	10	11	9	11	s.	F. E. Bitgood.
Hartford	Hartford	159	6	28.6	+ 3.1	55	21†	− 6	5	30	6.68	+ 2.85	1.95	14.6	15	9	5	17	n.	U. S. Weather Bureau.
Hawleyville	Fairfield	600	12	27.2	+ 1.8	49	22	− 5	5	38	6.22	+ 2.66	1.93	5.0	9	11	6	14	w.	Edson N. Hawley.
New Haven	New Haven	107	123	30.6	+ 3.3	51	22	− 3	5	30	7.28	+ 3.37	1.87	11.5	16	8	8	15	n.	U. S. Weather Bureau.
New London	New London	47	40	31.0	+ 3.2	49	21	− 2	5	40	5.78	+ 1.55	1.11	8.0	13	8	12	11	sw.	Thos. C. Dillon.
North Grosvenordale	Windham	400	20	26.3	+ 1.5	55	21	−10	4	49	4.01	− 0.79	0.70	.....	12	10	5	16	nw.	Grosvenor Dale Co.
Norwalk	Fairfield	116	20	28.2	+ 2.4	48	22	− 2	1†	36	6.48	+ 3.17	1.65	10.0	16	7	9	15	w.	Geo. C. Comstock.
Southington	Hartford	140	41	27.0	+ 2.2	53	22	− 8	5	41	7.60	+ 3.65	1.60	11.0	14	5	16	10	.....	Luman Andrews.
Storrs	Tolland	640	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Agricultural Exp. Station.
Torrington	Litchfield	625	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Edwin H. Forbes, Ph. D.
Voluntown	New London	260	25	28.7	+ 0.8	55	22	−11	5	55	4.53	− 0.59	1.25	3.5	10	9	5	17	nw.	Rev. E. Dewhurst.
Waterbury	New Haven	400	35	27.7	+ 2.2	51	22	− 6	5	40	8.05	+ 3.47	2.79	11.5	14	.....	.....	.....	.....	N. J. Welton.
New York.																				
Addison	Steuben	1,000	20	25.2	+ 1.3	45	22	−16	16	47	3.20	+ 1.13	0.67	25.0	15	7	6	18	sw.	H. R. Ainsworth.
Albany	Albany	97	89	25.2	+ 2.7	52	22	− 8	5	42	4.13	+ 1.54	1.22	14.0	16	8	7	16	s.	U. S. Weather Bureau.
Alfred	Allegany	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. O. S. Morgan.
Amsterdam	Montgomery	277	6	22.2	.....	45	22	−14	5	36	4.05	.....	.....	18.0	9	20	0	11	w.	Emery Elwood.
Athens	Greene	90	8	25.1	.....	49	22	−10	17	35	4.55	.....	0.95	17.5	13	6	11	14	sw	E. C. Brooks.
Ballston Lake	Saratoga	400	6	20.5	.....	47	22	−17	5	38	5.18	.....	1.36	23.6	16	10	4	17	w.	Geo. R. Schauber.

TABLE 1.—*Climatological data for January, 1910. District No. 1*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	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.	Sky. Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
New York—Cont'd.																				
Bedford	Westchester	450	19	29.4	+ 2.1	54	22	2	4	42	4.32	+ 0.68	1.20	19.0	10	17	6	8		Dr. L. Rosenberg.
Binghamton	Broome	875	19	24.2	+ 1.1	50	22	− 7	17	41	5.12	+ 3.14	1.09	30.6	17	6	3	22	w.	U. S. Weather Bureau.
Bouckville	Madison	1,350	13	20.8	+ 1.3	46	22	−20	5	41	3.83	+ 0.25	0.77	29.0	15	6	9	16	nw.	L. W. Griswold.
Boyds Corners	Putnam	560	28								7.21	+ 3.26								Thomas Manning.
Carmel	...do	500	18	24.0	0.0	44	2†	− 7	5	30	7.44	+ 3.50	2.63	17.0	14	12	4	15	ne.	Do.
Chatham	Columbia	470	9	24.6		51	22	−12	5	32	4.67		1.01	22.0	14	11	6	14	n.	Morton R. Tank.
Cooperstown	Otsego	1,250	56	21.7	+ 1.5	47	21	−14	5	48	5.23	+ 2.60	1.50	33.5	13	9	9	13	sw.	G. Pomeroy Keese.
Corinth	Saratoga	542	8								4.79		1.00		8					A. M. Hollister.
Cortland	Cortland	1,129	48	22.2	− 0.3	43	22	−12	5	35	3.55	+ 0.93	0.65	26.0	17	6	8	17	se.	F. G. Baker.
Cutchogue	Suffolk	32	33	31.4	+ 1.2	52	22	5	5	38	6.29	+ 2.39	1.54	11.0	13	9	15	7	nw.	Wm. A. Fleet.
De Ruyter	Madison	1,300	7	22.5		47	22	−20	5	45	4.20		0.79	31.8	16	7	6	18	s.	B. D. Crandall.
Easton	Washington		20								2.95	+ 0.53	1.10	12.5	7					H. Taber.
Elmira	Chemung	863	31	27.0	+ 2.4	49	21	−10	16	37	2.94	+ 0.89	0.96		7	3	10	18	se.	Gerity Bros.
Fort Hunter	Montgomery	280	2																	C. E. Wing.
Fort Plain	...do	316	6	24.2		53	22	− 3	4	31	3.08		0.90	17.0	15	15	5	11	w.	Abram Devendorf.
Glens Falls	Warren	340	19	20.6	+ 2.2	44	22†	−20	5	37	4.80	+ 1.93	0.90	25.5	13	8	6	17	ne.	Prof. C. L. Williams.
Gloversville	Fulton	850	18	20.2	+ 2.5	44	22	−17	5	36	5.13	+ 1.84	1.58	31.5	13	10	10	11	w.	W. L. McLean.
Greenfield Center	Saratoga	314	12	21.4	+ 1.7	47	22	−19	5	33	5.00	+ 1.42	1.25	22.5	12	11	10	10	s.	S. E. Darrow.
Greenwich	Washington	425	13	22.7	+ 2.5	51	22	−11	5	35	4.63	+ 2.20	1.07	19.5	14	7	16	8	n.	I. V. H. Gill.
Griffin Corners	Delaware	2,260	10																	Kelsey H. Kelly.
Haskinville	Steuben		15								3.47	+ 1.50	0.93	22.4	10					W. G. Collins.
Homer	Cortland			22.4		47	22	−14	5	45	3.82		0.62	23.5	15	12	5	14	nw.	Charles C. Mortimer.
Hoosick Falls	Rensselaer	410									4.17		0.98	11.4	15				nw.	Sanford L. Cluett.
Indian Lake	Hamilton	1,705	11	18.6	+ 2.4	46	22	−33	5	60	2.74	− 0.15	0.70		12	10	10	11	nw.	Lester Severie.
Jeffersonville	Sullivan	1,240	7	23.3		47	22	−15	17	52	5.00		1.29	18.0	11	12	11	8	w.	Chas. Wilfert, jr.
Lake Pleasant	Hamilton										4.00		1.20		5					Willet Larence.
Liberty	Sullivan	2,300	28	21.6	+ 0.6	43	21	− 8	3	35	5.39	+ 2.56		15.0	10	12	9	10	nw.	Dr. H. M. King.
Little Falls	Herkimer	924	12	21.8	+ 2.4	46	22	−14	5	36	4.15	+ 1.80	1.33	29.5	13	11	12	8	e.	O. J. Dempster.
Mohonk Lake	Ulster	1,245	14	24.8	+ 1.2	49	22	− 4	6	38	7.28	+ 4.32	1.50	18.0	6	10	13	8	sw.	A. K. Smiley.
Morehouseville	Hamilton	1,697	2	18.4		45	22	−28	5	47	3.80		0.85	25.0	15	14	2	15	w.	Theodore C. Remonda.
Mount Hope	Westchester	200	13	27.4	− 0.5	50	21	− 2	17	32	3.20	− 0.63	0.60	13.0	9	6	13	12		Wm. A. Cornelius.
Newark Valley	Tioga	825	23								4.10	+ 1.67	1.07	30.0	13	8	7	16		M. D. Clinton.
New Berlin	Chenango		3								2.34		0.71		15	7	1	23	sw.	Roger Greene.
New Lisbon	Otsego	1,234	20	20.0	+ 1.0	49	22	−17	5	49	4.05	+ 1.66	1.19	27.0	14	4	8	19	s.	G. A. Gates.
New York	New York	314	85	32.4	+ 2.2	51	21	5	5	31	5.61	+ 1.62	1.58	16.6	14	7	10	14	nw.	U. S. Weather Bureau.
North Creek	Warren	1,002	2	19.9		44	2†	−21	5	50	5.73		1.72	22.5	7	17	7	7		W. G. Kenwell.
Northville	Fulton	742	8								2.80		0.75	15.7	11	6	8	17		P. C. Pickard.
Norwich	Chenango	1,015	4	22.2		46	21†	−10	5	30	6.91		1.29	56.0	16	5	12	14		H. S. Hopkins.
Oneonta	Otsego	1,112	16	23.8	+ 0.9	50	22	−11	5	46	5.15	+ 2.83	1.28	29.2	14	11	2	18	sw.	H. W. Lee.
Oxford	Chenango	916	45	22.4	+ 0.2	49	22	−14	8	41	5.36	+ 2.45	1.20	32.0	16	4	8	19	w.	John P. Bavis.
Port Jervis	Orange	470	26	26.0	+ 1.9	49	21†	− 7	17	43	4.34	+ 1.00	0.78	14.0	15	8	10	13	w.	Prof. John M. Dolph.
Salisbury	Herkimer	1,526	13	19.7	− 1.0	47	19	−20	5	37	5.39	+ 2.39	1.51	25.0	14	11	11	9	w.	Joseph Ryan.
Salisbury Mills	Orange	314	11	25.8		54	21	−21	17	59	5.25	+ 1.28	2.00	16.0	8	11	8	12	w.	H. P. Ramsdell.
Scarsdale	Westchester	200	6	30.8		52	22	− 1	5	25	5.55		2.00	23.0	9	12	7	12	ne.	C. H. Wilmarth.
Setauket	Suffolk	40	25	32.2	+ 2.1	54	22	5	5	37	7.62	+ 3.66	2.25	14.0	11	10	9	12	w.	Selah B. Strong.
Sherburne	Chenango		3								3.98		0.92	25.9	12	5	5	21	s.	E. B. Collins.
Southampton	Suffolk	36	9	31.8		50	22	5	5	31	6.46		1.30	13.0	12	12	8	11	nw.	W. L. Jagger.
Southeast Reservoir	Putnam	310	15								8.09									Thomas Manning.
Spier Falls	Saratoga	400	9	21.2		47	21	−21	5	36	4.91		1.02	23.5	12	14	6	11	sw.	W. F. Anderson.
Trenton Falls	Oneida	751	7								3.70		1.01		14	7	0	24	nw.	C. W. Young.
Tribeshill	Montgomery	268	7								4.00		0.90	25.0	9	10	3	18	w.	R. S. Marshall.
Utica	Oneida	537	44								4.57	+ 1.37	0.64		16					W. E. Young.
Wading River	Suffolk	112	4	30.7		54	22	3	17	37	6.70		1.84		16	18	3	10	nw.	H. B. Fullerton.
Wappingers Falls	Dutchess	110	20	24.2	+ 0.1	48	2†	−18	16	41	6.06	+ 2.19	1.04	16.0	17	7	18	6	se.	H. C. Townsend.
Warwick	Orange	538	16								4.40	+ 1.78	1.00	20.0	11					John W. Sly.
Waverly	Tioga	824	28	21.1	− 2.1	46	22	−16	8	52	3.49	+ 1.19	0.74	20.5	16	2	13	16	nw.	Hon. J. F. Shoemaker.
West Berne	Albany	946	11	22.4	+ 0.9	45	19†	−20	5	47	3.45	+ 1.59	0.60	23.0	11	8	1	22	e.	W. J. Haverly.
West Point	Orange	167	61	26.2	− 1.5	51	22	− 4	17	39	6.10	+ 2.58	2.00	17.5	10	15	6	10	nw.	Maj. Chas. M. Gandy.
Windham	Greene	1,520	10	22.8	0.0	48	22	−18	16	52	5.73	+ 3.48	1.10	16.0	13	6	18	7	sw.	A. R. Mott.
Pennsylvania.																				
Altoona	Blair	1,181	22	26.6[c]	+ 0.3	52[c]	20	− 1[c]	16	32[c]	6.48	+ 3.89	1.12		10					C. W. Billin.
Bethlehem	Northampton	260																		Prof. E. C. Roest.
Clearfield	Clearfield	1,107	2	25.8		45	20	−10	8†	48	5.46		1.43	30.5	11	11	4	16	w.	Raymond C. Ogden.
Emporium	Cameron	1,050	23	25.2	− 1.0	47	18	− 9	16	34	6.50	+ 3.27	1.27	26.7	17	6	3	22	e.	T. B. Lloyd.
Ephrata	Lancaster	384	10	27.8	− 1.3	47	21	3	1	34	3.31	+ 0.34	0.90	18.0	11	10	4	17	n.	W. L. Frantz.
Everett	Bedford	1,080	12	29.2	+ 1.3	55	2	− 1	16	39	4.40	+ 1.54	1.05	21.2	11	6	11	14	nw.	B. L. Steckman.
George School	Bucks		3																	Prof. A. C. Smedley.
Gettysburg	Adams	600	36	28.5	0.0	48	21	0	16	34	4.40	+ 1.40	1.27	30.0	14	8	5	18	s.	Col. E. B. Cope.
Gordon	Schuylkill	804	6	26.6		48	20†	− 9	16	45	5.92		1.70	21.5	16	8	6	17	e.	Capt. J. G. Johnson.
Hamburg	Berks	380	14	28.6	− 0.1	53	2	0	1	31	3.77	+ 0.05	0.94	17.0	9	13	6	12	nw.	W. J. Kalbach.
Harrisburg	Dauphin	361	22	29.4	+ 0.7	47	21	9	17	23	3.91	+ 1.09	1.20	21.5	13	8	4	19	e.	U. S. Weather Bureau.
Huntingdon	Huntingdon	650	22	27.3	− 1.3	49	2	− 8	16	40	6.17	+ 2.95	1.18	25.5	13	8	2	21	w.	Prof. W. J. Swigart.
Hyndman	Bedford	977	3	29.8		55	3	1	16	36	4.31		1.06	19.5	12	8	3	20	n.	H. C. Mauk.
Lawrenceville	Tioga	1,006	12	25.0	+ 0.7	47	21†	−22	16	50	3.75	+ 1.58	1.00	26.0	10	8	7	16		C. P. Darling.
Lebanon	Lebanon	458	23	29.3	+ 0.9	49	21	6	16†	31	4.72	+ 1.16	0.99	21.2	17	9	4	18	e.	G. W. Hayes, C. E.
Lock Haven	Clinton	560	22	26.4	− 1.5	49	2	− 2	16	30	6.14	+ 3.06	1.98	19.8	16	2	14	15	w.	Prof. J. A. Robb.
Marion	Franklin	640	6	28.6		50	3	− 4	16	36	4.05		1.10	27.0	9	10	5	16		Hon. C. B. Hege.
Mauch Chunk	Carbon	634	21	27.5	+ 0.4	50	2†	0	1	36	6.10	+ 2.35	1.69	24.2	18	11	5	15	n.	F. C. Wintermute.
Mifflintown	Juniata	445	6	27.3		48	21	−11	16	40	4.14		0.74	17.5	13	9	5	17	w.	Wellington Smith.
Milford	Pike	455	7	24.4		49	2	− 7	17	37	3.27		1.10	18.7	12	6	17	8	se.	Mrs. Alla Doughty.
Montrose	Susquehanna	1,658	6	21.6		45	19	−11	5	38	5.49		1.20	33.5	16					J. R. Beebe.
Muncy Valley	Sullivan	519		25.2		50	21	− 1	15	33	6.48		2.16	15.6	9	12	0	19		F. W. Buck.
New Germantown	Perry	873	6	27.6		53	2	0	17	29	4.69		1.87	20.0	6	15	1	15	w.	Ed. C. Johnston.
Philadelphia (1)	Philadelphia	117	39	33.6	+ 1.8	55	21	9	5	23	4.23	+ 0.82	1.55	9.2	14	8	6	17	nw.	U. S. Weather Bureau.
Pocono Lake	Monroe	1,662	8	22.9		44	3	−12	11	46	7.10		1.20	38.0	13	6	0	25	w.	Pocono Lake Ice Co.
Reading	Berks	230	37	29.6	− 0.1	51	21	2	1†	34	4.03	+ 0.51	0.79	15.2	16					Franklin Yeager.
Scranton	Lackawanna	805	10	27.4	+ 1.9	50	21	− 1	4	38	4.32	+ 1.52	0.98	18.6	20	4	6	21	sw.	U. S. Weather Bureau.
Selinsgrove	Snyder	455	22	26.5	− 2.2	50	21	−10	16	36	5.57	+ 2.46	1.18	30.0	15	3	10	18	se.	J. M. Boyer, C. E.
State College	Center	1,191	22	26.7	+ 0.3	47	20	6	11†	24	6.90	+ 4.06	1.35	37.9	16				nw.	Prof. Wm. Frear.
Towanda	Bradford	754	15	24.8	+ 0.1	48	21†	−11	17	37	3.79	+ 1.91	0.92	18.0	16	7	6	18	e.	Hiram E. Bull, C. E.
Wellsboro	Tioga	1,327	33	24.4	− 0.2	46	2†	−19	16	50	4.23	+ 1.22	1.16	20.0	7	9	8	14	sw.	O. L. White.
West Chester	Chester	455	56	29.9	− 0.2	50	21	5	5	28	5.36	+ 1.32	1.18	22.5	16	8	2	21	w.	J. C. Green, D. D. S.
Wilkes-Barre	Luzerne	575	25	27.7	+ 0.4	51	21	0	17	34	3.83	+ 0.86	1.12	17.0	8	0	6	25		A. W. Betterly
Williamsport	Lycoming	530	20	27.4	+ 0.3	49	21†	− 1	16	32	5.56	+ 2.76	2.01	16.3	8	8	3	20	e.	Henry H. Guise.
New Jersey.																				
Asbury Park	Monmouth	22	22	32.3	+ 0.9	50	19	10	5	28	4.33	+ 0.59	0.82	4.5	12	10	7	14	w.	B. H. Obert.
Atlantic City	Atlantic	16	37	33.9	+ 1.4	49	2	12	4	28	4.64	+ 1.24	1.19	0.5	17	7	7	17	nw.	U. S. Weather Bureau.

TABLE 1.—*Climatological data for January, 1910. District No. 1*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	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, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers
New Jersey—Cont'd.																				
Bayonne	Hudson	50	20	30.8	+ 0.7	52	18	3	5	31	5.61	+ 1.83	1.10	17.7	16	7	10	14	nw.	J. H. Eadis.
Belvidere	Warren	289	19	26.5	− 1.0	48	21†	− 5	16†	39	5.14	+ 1.57	1.34	21.0	13	10	6	15	.....	S. J. Hixson.
Bergen Point	Hudson	37	13	30.8	+ 0.6	51	18	3	5	30	6.10	+ 1.68	1.10	17.2	15	7	10	14	nw.	Dr. W. H. Mitchell.
Boonton	Morris	413	20	.....	.....	.....	.....	.....	.....	.....	5.31	+ 1.11	1.26	.....	16	.....	.....	.....	.....	F. G. McIntosh.
Bridgeton	Cumberland	30	29	31.9	− 1.1	54	21	5	1	35	4.80	+ 1.38	1.50	6.0	16	7	7	17	nw.	H. A. Jorden.
Burlington	Burlington	12	26	.....	.....	.....	.....	.....	.....	.....	4.59	+ 1.04	1.45	12.4	14	.....	.....	.....	nw.	D. S. B. McCoy.
Canton	Salem	24	16	.....	.....	.....	.....	.....	.....	.....	4.34	+ 1.37	.....	4.5	16	10	6	15	.....	J. H. Maskell.
Cape May	Cape May	17	26	33.4	− 0.7	47	3	12	5	28	4.64	+ 1.27	0.90	0.3	19	6	10	15	nw.	U. S. Weather Bureau.
Charlotteburg	Passaic	719	18	26.8	− 0.3	49	2†	−11	16	45	5.94	+ 1.96	1.57	21.0	14	.....	.....	.....	nw.	G. S. Briggs.
Chatham	Morris	234	8	.....	.....	.....	.....	.....	.....	.....	5.94	.....	.....	20.0	16	.....	.....	.....	.....	M. A. Butler.
Clayton	Gloucester	126	17	31.2	+ 0.3	54	21	5	1	33	4.46	+ 1.20	.....	6.0	14	10	6	15	nw.	W. T. Farley.
College Farm	Middlesex	100	15	29.2	− 0.7	51	18†	1	1†	32	6.65	+ 3.13	2.20	18.0	15	7	8	16	nw.	G. B. Thrasher.
Culvers Lake	Sussex	848	9	.....	.....	.....	.....	.....	.....	.....	4.45	.....	0.95	23.0	17	8	9	14	.....	B. E. Riker.
Dover	Morris	575	26	26.4	− 0.2	47	2	0	5	31	6.15	+ 1.66	1.36	20.5	17	7	9	15	.....	W. C. Harris.
Elizabeth	Union	33	31	30.0	− 0.1	48	18†	5	5	28	5.51	+ 1.41	.....	16.0	16	.....	.....	.....	w.	W. M. Oliver.
Flemington	Hunterdon	187	22	28.7	− 0.9	49	21†	− 2	1	33	5.41	+ 1.94	1.10	17.0	16	10	7	14	nw.	H. E. Deats.
Friesburg	Salem	100	18	30.8	− 0.9	54	21	4	1	31	4.06	+ 0.96	1.16	4.0	14	10	6	15	w.	H. C. Perry.
Haddonfield	Camden	75	16	30.9	+ 1.1	53	21	3	1	35	4.39	+ 1.00	1.20	16.6	15	9	5	17	nw.	C. F. Richardson.
Hammonton	Atlantic	80	12	.....	.....	.....	.....	.....	.....	.....	4.30	+ 0.95	.....	3.7	14	.....	.....	.....	.....	Orville Bassett.
Hightstown	Mercer	85	18	30.2	− 0.7	52	21†	0	1	35	4.74	+ 1.05	1.20	13.2	13	8	6	17	nw.	Ernst Wenger.
Imlaystown	Monmouth	106	24	30.0	− 1.7	53	21	1	1	36	4.36	+ 0.91	.....	9.4	14	10	5	16	n.	Dr. F. C. Price.
Indian Mills	Burlington	76	21	31.8[b]	+ 0.4	53[b]	21	0[b]	1	39[b]	4.47	+ 0.77	1.12	11.0	15	7	12	12	nw.	James Armstrong.
Jersey City	Hudson	15	12	31.4	+ 0.6	50	22	4	5	29	5.99	+ 2.13	1.57	15.8	16	6	14	11	nw.	S. K. Pearson, jr.
Lakewood	Ocean	54	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. R. Major.
Lambertville	Hunterdon	95	24	29.1	− 1.3	51	21†	− 2	17	36	5.61	+ 1.87	1.37	19.5	14	8	6	17	nw.	W. R. Bowne.
Layton	Sussex	550	11	23.6	− 0.4	48	2†	−15	17	42	3.66	+ 0.16	1.20	17.0	14	7	10	14	.....	W. C. Hursh.
Little Falls	Passaic	175	7	.....	.....	.....	.....	.....	.....	.....	5.17	.....	1.05	14.7	15	.....	.....	.....	.....	A. Sweetman.
Long Branch	Monmouth	30	3	32.4	.....	49	19	9	5	26	5.32	.....	1.07	10.0	14	10	8	13	.....	B. B. Bobbit.
Mahwah	Bergen	312	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. L. Barker.
Moorestown	Burlington	71	48	30.6	+ 0.5	53	21	4	1	32	4.47	+ 0.99	1.30	10.6	15	8	7	16	nw.	J. C. Beans.
Newark	Essex	140	67	30.6	+ 1.0	50	2†	2	5	33	5.12	+ 1.36	1.14	14.7	17	6	10	15	.....	Prof. Wm. Wiener.
New Brunswick	Middlesex	61	57	29.4[a]	− 1.1	51[a]	22	0[a]	1†	32[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. T. Woerner.
Newton	Sussex	678	31	26.1	+ 0.4	51	2	− 5	5	37	5.02	+ 1.52	1.20	23.5	14	7	8	16	nw.	B. H. Kienbaum.
Northfield	Atlantic	.....	3	.....	.....	.....	.....	.....	.....	.....	4.44	.....	1.18	2.3	16	.....	.....	.....	.....	W. L. Flick.
Oceanic	Monmouth	16	24	31.8[a]	− 0.6	49[a]	19†	9[a]	1†	30[a]	5.70	+ 1.72	1.02	10.0	13	10	7	14	nw.	Prof. C. E. Dietz.
Paterson	Passaic	110	39	29.4	0.0	49	2†	1	5	30	5.36	+ 1.39	1.08	16.1	15	5	15	11	nw.	H. A. Probert.
Phillipsburg	Warren	196	13	27.9	− 0.2	50	21	0	5	33	4.76	+ 1.10	0.98	20.6	16	8	9	14	w.	D. W. Smith
Plainfield	Union	100	24	29.4	0.0	50	21	− 1	1	40	5.88	+ 1.99	1.26	17.4	15	7	13	11	.....	John Neagle.
Pleasantville	Atlantic	26	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. Van Gilder.
Pompton Plains	Morris	195	8	.....	.....	.....	.....	.....	.....	.....	5.51	.....	1.28	21.0	16	.....	.....	.....	.....	M. S. Taylor.
Rancocas	Burlington	68	47	.....	.....	.....	.....	.....	.....	.....	4.26	+ 0.68	1.00	13.0	13	8	7	16	nw.	Spencer Haines.
Rivervale	Bergen	70	19	26.6[a]	− 1.7	51[a]	2	−10[a]	17	42[a]	4.88	+ 0.74	1.60	13.5	15	9	9	13	nw.	G. S. M. Holdrum.
Runyon	Middlesex	18	4	.....	.....	.....	.....	.....	.....	.....	5.25	.....	1.25	15.7	13	.....	.....	.....	.....	J. H. Cottrell
Somerville	Somerset	76	27	29.2	0.0	51	22	− 2	1	32	5.36	+ 1.88	1.10	15.0	16	8	9	14	nw.	P. Hardcastle.
South Orange	Essex	200	40	29.4	+ 0.7	49	2	2	5	30	5.64	+ 1.50	1.35	14.5	15	9	7	15	w.	Dr. W. J. Chandler.
Sussex	Sussex	442	20	26.0	− 0.1	50	21	−13	16	38	4.65	+ 1.04	1.50	22.5	14	9	9	13	w.	Prof. W. H. Seeley.
Trenton	Mercer	60	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. R. Cook.
Tuckerton	Ocean	23	17	33.2	+ 1.5	52	3	6	1	36	4.83	+ 1.17	1.10	3.5	15	8	7	16	.....	F. R. Austin.
Vineland	Cumberland	118	41	32.4	+ 0.4	54	21	5	1	32	4.29	+ 1.01	1.45	4.2	16	9	9	13	nw.	Alfred Chalmers.
Woodbine	Cape May	43	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. R. D. Maltby.
West Virginia.																				
Bayard	Grant	2,500	8	29.2	.....	59	20	− 1	11	41	7.18	.....	0.82	32.0	22	6	4	21	w.	Solomon Clark.
Burlington	Mineral	875	15	32.1	+ 1.7	67	3	1	16	34	4.10	+ 1.75	1.40	20.0	8	4	18	9	w.	J. W. Vandiver.
Franklin	Pendleton	.....	3	33.2	.....	62	2	5	16	36	2.65	.....	0.80	10.5	6	13	9	9	.....	A. A. Martin.
Lost City	Hardy	.....	4	33.5	.....	62	3	6	16	34	4.63	.....	1.49	18.0	5	9	6	16	w.	B. D. Hinegardner.
Martinsburg	Berkeley	435	19	29.2	− 1.1	54	3	6	16	29	3.41	+ 1.12	.....	20.0	11	11	4	16	se.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	14	32.6	+ 0.8	62	2	5	8	43	4.79	+ 2.48	1.35	20.0	10	6	15	10	se.	John C. Fisher.
Romney	Hampshire	824	14	30.0	− 1.2	62	2†	6	16	45	4.14	+ 1.54	0.91	23.2	10	5	13	13	w.	John C. Linthicum.
Upper Tract	Pendleton	1 230	12	34.2	+ 3.6	64	2	8	11†	40	4.66	+ 2.25	2.00	10.0	7	4	8	19	n.	J. M. Mallow.
Maryland.																				
Annapolis	Anne Arundel	45	32	32.9	− 1.5	60	18	15	5	24	5.41	+ 2.03	1.50	2.4	7	10	5	16	ne.	W. M. Abbott.
Bachmans Valley	Carroll	860	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baltimore	Baltimore	115	40	34 0	+ 0 6	58	18	13	5	23	4 68	+ 1 46	1 07	12 8	12	8	6	17	nw.	U. S. Weather Bureau.
Cambridge	Dorchester	25	12	35.6	+ 0.3	69	3	14	5	33	4.23	+ 1.13	0.79	6.8	11	12	3	16	s.	T. E. Keenan.
Cheltenham	Prince George	230	10	34.2	.....	62	3	9	1	31	4.60	.....	1.40	4.5	12	9	9	13	nw.	J. E. Burbank.
Chester	Queen Anne	15	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chestertown	Kent	80	25	32.8	+ 0.4	56	21	8	1	27	4.38	+ 1.24	1.31	6.5	11	11	6	14	n.	Hon. M. de K. Smith.
Chewsville	Washington	530	13	30.2	− 0.4	51	21	− 4	16	40	3.03	+ 0.39	0.61	22.7	10	7	11	13	nw.	D. Paul Oswald.
Clear Spring	....do	650	13	29.0	− 0.4	52	4	10	1	39	4 10	+ 0.82	1.25	24.5	8	10	10	11	w.	W. W. Frantz.
Coleman	Kent	80	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
College Park	Prince George	170	20	32.4	− 0.6	54	20†	2	1	38	.....	.....	.....	.....	.....	9	5	17	nw.	Prof. H. J. Patterson.
Cumberland	Allegany	700	36	.....	.....	.....	.....	.....	.....	.....	4.19	+ 1.81	1.15	.....	13	.....	.....	.....	e.	J. W. Frantz.
Darlington	Harford	300	18	29.9	− 0.6	50	2†	6	1	26	5.04	+ 1.87	1.12	7.3	10	8	9	14	ne.	Prof. A. F. Galbreath.
Denton	Caroline	42	15	32.4	− 0.6	57	18†	8	1	32	3.52	+ 1.04	0.85	1.9	8	12	3	16	s.	H. B. Mason.
Easton	Talbot	35	19	33.8	− 0.1	57	21	12	5	26	3.61	+ 0.76	0.71	1.4	12	12	5	14	sw.	Henry Shreve.
Emmitsburg	Frederick	720	37	.....	.....	55	2	.....	.....	.....	5.32	+ 2.19	1.33	22.5	12	12	5	14	nw.	Jno. H. Eckenrode.
Fallston	Harford	450	40	30.4	− 0.3	52	21	9	1†	27	4.76	+ 1.16	1.42	18.0	13	3	12	16	nw.	J. H. Curtiss.
Frederick	Frederick	275	33	31.2	− 0.8	53	3	− 1	16	30	4.85	+ 1.80	.....	22.0	.....	10	5	16	.....	Henry Trail.
Frostburg	Allegany	1,929	9	27.9	.....	53	3	7	4	28	5.39	.....	0.98	17.4	16	8	8	15	.....	L. B. Abbott.
Great Falls	Montgomery	200	19	32.4	+ 1.1	56	18†	4	1	36	4.21	+ 1.28	1.09	7.0	9	8	20	3	se.	J. W. Bissett.
Green Spring Furnace	Washington	450	18	30.4	+ 0.3	47	19†	9	11	26	3.67	+ 0.95	1.12	20.0	13	11	2	18	w.	E. G. Kinsell.
Keedysville	....do	400	6	30.4	.....	51	20†	− 6	16	43	4.28	.....	1.18	16.0	13	11	4	16	s.	J. A. Miller.
Lake Montebello	Baltimore	.....	1	.....	.....	.....	.....	.....	.....	.....	4.20	.....	1.01	10.1	14	11	4	16	se.	Martin L. Dobler.
La Plata	Charles	190	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. R. H. Lee Reich.
Laurel	Prince George	150	16	31.0	− 1.8	53	20†	3	1	36	4.22	+ 1.16	1.05	9.0	11	9	11	11	.....	Dr. T. M. Baldwin.
Monrovia	Frederick	630	23	31.0	0.0	51	21	10	16	30	3.73	+ 0.79	0.69	15.9	13	10	4	17	s.	J. H. Lawson.
Pocomoke City	Worcester	37	17	38.6	+ 0.1	60	3†	16	5	38	4.17	+ 1.63	1.06	0.5	10	13	9	9	sw.	R. M. Stevenson.
Porto Bello	St. Mary	38	5	38 1	.....	68	3	20	4†	40	.....	.....	.....	.....	.....	18	4	9	se.	Alpheus Hyatt.
Princess Anne	Somerset	17	17	36.4	+ 1.0	68	7	10	1	44	4.25	+ 1.68	0.84	2.0	13	5	12	14	nw.	Jas. R. Stewart.
Rockville	Montgomery	421	3	32.0	.....	59	20	12	8†	27	4.05	.....	0.85	16.0	13	13	9	9	.....	Dr. Geo. E. Lewis.
Salisbury	Wicomico	23	5	36.2	.....	64	3	9	1	36	4.37	.....	0.77	1.4	12	8	16	7	w.	W. E. Downing.
Sanatorium	Frederick	.....	2	29.6	.....	55	3	8	5	28	5.81	.....	1.93	21.2	10	10	1	20	w.	Dr. W. M. Garrison
Solomons	Calvert	20	19	35.2	+ 0.2	66	3	17	5	29	3.49	+ 0.84	0.73	4.0	14	4	7	20	w.	Dr. W. H. Marsh.
Sudlersville	Queen Anne	65	11	32.0	− 2.6	57	21	0	1	39	4.80	+ 1.53	1.23	3.5	13	10	4	17	nw.	Jas. E. Higman.
Takoma	Montgomery	320	12	31.0	− 0.9	56	18	11	8†	38	.....	.....	.....	9.0	.....	3	15	13	.....	L. M. Moores.
Taneytown	Carroll	450	11	28.9[a]	− 2.5	51[a]	22	−12[a]	16	49[a]	3.68	+ 1.18	1.10	21.2	12	16	2	13	nw.	R. A. Nusbaum.
Towson	Baltimore	465	2	30.8	.....	52	18	7	1	27	5.63	.....	1.73	18.0	13	14	2	15	nw.	C. W. E. Treadwell.

TABLE 1.—*Climatological data for January, 1910. District No. 1*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	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. .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Maryland—Cont'd.																				
Van Bibber	Harford	100	13	29.1[a]	− 2.2	52[a]	2†	− 1	1	34[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. Benj. Ford.
Westernport	Allegany	1,000	16	30.8	+ 1.4	57	3†	6	16	35	4.71	+ 2.30	1.68	19.2	14	.....	.....	.....	.....	Prof. O. H. Bruce.
Woodstock	Baltimore	392	36	32.9	+ 1.0	54	31	6	1	32	3.45	+ 0.08	0.83	17.7	12	6	10	15	n.	Rev. A. J. Donlon, S. J.
District of Columbia.																				
Washington	District of Columbia	112	40	33.7	+ 0.8	58	18	11	1	29	4.39	+ 1.02	1.01	9.5	13	7	6	18	nw.	U. S. Weather Bureau.
Delaware.																				
Delaware City	Newcastle	.....	8	30.8	.....	50	21	10	5	23	1.40	.....	0.55	7.8	7	13	5	13	n.	H. Morton Price.
Dover	Kent	.....	22	32.4	− 2.1	56	18	7	1	33	5.02	+ 1.90	2.48	2.0	9	9	6	16	s.	Thos. F. Dunn.
Milford	...do	.....	26	34.9	− 1.1	58	3	10	1	31	4.89	+ 1.77	1.11	3.0	11	10	4	17	nw.	C. J. Holzmueller.
Millsboro	Sussex	.....	18	34.8	+ 0.4	65	3	6	1	37	4.68	+ 1.65	0.85	0.7	14	14	5	12	sw.	Rev. L. W. Wells.
Seaford	...do	.....	17	34.7	+ 0.6	61	3	10	1	33	4.36	+ 1.29	0.82	1.5	11	10	8	13	s.	E. B. Brown.
Virginia.																				
Culpeper	Culpeper	450	2	33.2	.....	67	3	7	1	35	2.18	.....	1.49	11.0	13	5	14	12	nw.	Col. H. C. Burrows.
Dale Enterprise	Rockingham	1,350	31	32.8	0.0	68	3	8	11	36	3.15	+ 0.43	1.12	14.0	13	9	7	15	s.	Rev. L. J. Heatwole.
Doswell	Hanover	134	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rich., Fdksbg. & Pot. R.R.
Eastville	Northampton	15	....	38.8	.....	66	3	17	10	37	2.63	.....	0.50	T.	10	15	6	10	sw.	Thos. B. Robertson.
Fredericksburg	Spottsylvania	100	21	36.3	+ 0.4	70	3	10	1†	36	3.83	+ 1.02	0.98	4.3	14	9	10	12	se.	S. G. Howison.
Lincoln	Loudoun	500	9	30.2	.....	57	3	2	1	34	4.71	.....	1.00	16.5	8	3	11	17	nw.	Dr. Geo. Roberts.
Mount Weather	...do	1,726	6	30.5	− 0.8	61	2	10	4	34	4.53	+ 1.19	1.10	23.3	14	9	5	17	nw.	U. S. Weather Bureau.
Nokesville (near)	Fauquier	350	6	34.6	.....	64	3	10	8†	42	3.20	.....	1.28	10.0	7	9	5	17	.....	Andrew Low.
Quantico	Prince William	16	13	33.0	.....	68	3	7	1	36	4.22	.....	1.90	8.5	10	11	0	20	nw.	Rich., Fdksbg. & Pot. R. R
Shenandoah	Page	937	9	.....	.....	.....	.....	.....	.....	.....	3.41	.....	1.07	4.7	9	12	9	10	sw.	Norfolk & Western Ry.
Staunton	Augusta	1 380	18	35.0	+ 0.1	66	3	13	10	32	3.48	+ 0.74	1.06	17.5	9	9	9	13	sw.	Ernest Nothnagel.
Stephens City	Frederick	710	18	31.2[b]	− 1.0	67	3	0	16	44	4.19	+ 1.80	0.94	18.0	10	16	1	14	e.	B. T. Argenbright.
Warsaw	Richmond	160	18	35.9	+ 0.1	75	3	12	8†	35	3.94	+ 1.40	1.00	1.0	12	7	16	8	n.	C. H. Constable.
Woodstock	Shenandoah	927	14	32.6	− 0.2	68	3	7	16	37	3.77	+ 1.48	1.32	18.0	11	7	8	16	w.	Miss A. G. Miley.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
● Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
‖‖ 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 2.—*Daily precipitation for January, 1910. District No. 1, North Atlantic States.*

Stations.	River basins.	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	31	Total.
Maine.																																	
Bar Harbor	Coast		T.	.10		.20	.50	.30			T.					.05			.55	.15		T.	.40				T.		.15	.90			3.30
Cornish	Saco			.05		.20	.56	.61								.05			.38			.10	1.04			.25		.05	.10	.86	T.		4.25
Danforth	Penobscot			T.	.16		.15	.50			T.								.12	.33			.65	.15				T.	.05	.50	.30		2.91
Debsconeag	do																																
Eastport	Coast		.02	.16		.14	.49	.43			T.								.57	.23			.44				.04	.12	.19	.90	.05	.02	3.80
Fairfield	Kennebec						*	.42											.16				.43					.36			.82		2.19
Farmington	do			.02	.04	.09	*	.65											.30				1.58			T.		T.		.80			3.48
Gardiner	do			.01			.53	.61	.01										.31	.02			.62	.05			.09		.15	.65	.17		3.22
Greenville	do	T.	T.	.10	.05	.10	.05	.40			T.			T.					.47			.30	1.38				.10		.05	.43			3.43
Houlton	St. John			.05				.20																.05					.45	.20			0.95
Lewiston	Androscoggin			.01	.02	.18	.58	.45								T.			.34			.03	1.03					.05	.10	.65	T.		3.44
Madison	Kennebec				T.	.29	.14	.50											.26	.26			1.44				.07		.08	.79	.30		4.13
Millinocket	Penobscot		T.		.05		.11	.35	.10										*	.58			.83	1.10		.03			.04	.06	.80		4.05
North Bridgeton	Saco			.02			.60	.65											.41				1.04			.18		.07		.80			3.77
Orono	Penobscot			.05			.46	.55											.24				1.23				.05		.30	.69			3.57
Oquossoc	Androscoggin					*	.55	.40											.50				1.15			.10		.35		.75			3.80
Patten	Penobscot					T.	.20	.60	T.										.30	.26			1.17	.27			T.		T.	.30			3.10
Portland	Coast			.04		.17	.63	.44							.65	T.			.27	.01		.02	.53					.02	T.	.72	T.	T.	2.90
Presque Isle	St. John						.24	.21		T.	T.								*	.28			.54					.22		.40	T.		1.89
Rumford Falls	Androscoggin			.02		.20	.31	.27											.26			.42	1.58			.07	T.	.03		.72			3.88
The Forks	Kennebec		.25				*	.35											.40			1.00	.50							.48			2.98
Winslow	do					*	*	.95											.26				.64			.10		.30		.87			3.12
New Hampshire.																																	
Alstead Center	Connecticut			.09		.18	.73	.48							T.	.10			.25	.20		.08	.74			.05	T.	.21	T.	.43	.02	.03	3.59
Benton	do						*	.85												.06		*	1.10		T.	T.			.20	*	.19		2.40
Bethlehem	do						.71	.45											.06	.19		.05	.81			.10	.10	.05	.20	.20	.25		3.17
Brookline	Merrimac			.05		.20	.60	.50							1.00				.20			1.30	.10			.01		.05		1.10			5.11
Concord	do			.16		.22	.66	.41							.13	.03			.46	T.		.79	.29			.05		.10		.78	.02		4.10
Durham	do			.02			1.35	.10								.05			.20				.53			.20		.02		.43			2.90
Franklin	do			.18		.16	.37	.58								.12			.31	.13		.06	.90			.01		.08	T.	.57	.01	T.	3.48
Grafton	do			.05	.07	*	.60	.50								.05			.35	.25		.02	1.25			.05		.10		.37	.14		3.80
Hanover	Connecticut					.19	.38	.46											.22	T.		.07	.70			.10	T.	.12	T.	.17	.09	T.	2.50
Keene	do			.06		.20	.78	.59							.05	.12			.27	.13		.07	1.05			.03		.17		.44	T.	.05	4.01
Nashua	Merrimac			.04	T.	.19	.58	.68							*	1.05			.28			.30	.36			.13		.04	.01	.79	.01	.03	4.49
Newton	do			.04		.03	.78	.78							.24	.40			.29			T.	.58			.26		T.		.74		.06	4.20
Plymouth	do			.02		T.	.59	.33											.39	.23		.10	1.66			T.		.11	.06	.56			4.05
Vermont.																																	
Bloomfield	Connecticut			T.			.59	.27											.11	.23			.83	.22		T.	.10		.44	.12	.23		3.14
Cavendish	do			.36			.37	.47							T.	T.			.39	.43		.19	1.40			.22		.11		.25		T.	4.19
Chelsea	do			T.		.15	.30	.40											.38			.45	.60			.25	.25	*	*	.18			2.96
Jacksonville	do		.15		.35	.13	.15					T.	T.		.02			.05	T.			.15	.90						1.16	.01			3.07
Manchester	Hudson					*	.53						T.		.03				.65			.21	.17			.13		T.			T.		1.72
St. Johnsbury	Connecticut			T.	T.	.10	.60	.40					T.	T.					.01	.07		T.	.73	T.		.01	T.	.02	.18				2.12
Vernon	do			T.		.70	.70	.05						T.	T.			T.	.67			1.88	T.					.22	T.				4.22
Woodstock	do			.12		*	1.12												.43			*	1.52			.14		.09		.51	.06		3.99
Massachusetts.																																	
Amherst	Connecticut			T.		.20	*	1.29							*	.96			.46			1.20	.90			.20	T.	.18	.10	.51	.14		6.14
Ashland	Merrimac			.06		*	*	1.91							*	1.10			.35			*	.65			.50	.05	.06		.73	.04		5.45
Bakers Bridge	do						.70	.89							.30				.25				.45							.65	.03		3.27
Bedford	do			T.	.02	*	.73	.93							.46	.19			.24			.03	.47			.22	.07	.06		.64		.04	4.10
Blue Hill	Coast			.10		.03	.76	.89			.15				.53	.37			.20	.12		.01	.49			.28	.21	.63		.69	.01	.02	4.89
Boston	do			.05		.11	.69	.91			.06				.53	.10			.28	.05		.03	.37			.40		.01	T.	.65	.01		4.25
Chestnut Hill	do			.09		.38	1.52	.16			.05				*	1.43			.40			.41	.32			.47		.05	.26	.54	.03		6.11
Clinton	Merrimac		.04			*	*	1.97							*	1.32			*	.35		*	1.19			.43		.08		1.00		.11	6.49
Concord	do			.04		.05	.78	.90							.29	.40			.23	T.		.08	.49			.16	.09	.06		.68	.01	.04	4.30
Fall River	Coast					.10	1.23	.75			.17				.96	.40			.27	.03		.02	.54			.45			.05	.78		.03	5.72
Fitchburg	Merrimac			T.		.10	.65	.74							.45	.51			.35	.02		.75	.80			.15	T.	.06		.46	T.	.03	5.07
Framingham	do			.02		*	*	1.84							*	.93			.29			*	.59			.48		.10		.70		.03	4.98
Haverhill	do																																
Hingham	Coast			.09		*	*	1.56			.14				*	1.15			*	.26			.38			.40		T.		.84	T.	.01	4.83
Hyannis	do					.02	.35	1.38		*	.66				*	1.30			*	.40			.80			*	.80			.84		.23	6.78
Jefferson	Merrimac						*	1.99							*	1.29			.51			*	1.44			.74		.14		.88			6.99
Lake Cochituate	do			.05			*	1.85							*	1.03			.32			*	.64			.44	.03	.05		.68		.02	5.11
Lawrence	do			.03		*	*	1.46							*	.63			.28			*	.66			.24		.03		.62		.05	4.00
Leominster	do			T.		.18	.55	.88							.56	.42			.36	.09		.39	1.08			.21		.12		.83		.05	5.72
Lowell	do			.04		*	*	1.50							*	.90			.29				.58			.21				.89			4.41
Middleboro	Coast			.05			.76	.91			.10				*	.98			.32				.50			.34			.42	.44		.06	4.88
Monson	Connecticut					.02	1.15	.95							.15	.50			.30			.25	1.00			.35	.05	.05		.75	.05	.05	5.62
Nantucket	Coast	T.		.01	T.	.01	.43	.97		.44	.30				1.07	.50			.66	.07			.87			.67	.01	.01	.01	.85		.02	6.90
Norfolk	do			.18			1.02	.72		.24	.11					.57				.19			.47			*	.32	.04		.44		T.	4.30
Northampton	Connecticut			T.		T.	.78	.98							*	1.30			.32	.07		*	2.09			.22		.07		.26	.06		6.15
Plymouth	Coast			.02		*	*	1.28		*	.30				*	.80			.07				.56			.52		T.		.87			4.42
Princeton	Merrimac					*	*	1.54							*	.86			.48			*	1.44			.48		.06		.46		.11	5.43
Provincetown	Coast			.05	T.	T.	.55	.98			.20				.10	1.80			.46	.10			.52			.65		T.		.80		.12	6.33
Rockport	do						1.10	1.20								1.00			.35				.50				.20			.75		.10	5.20
Rutland	Connecticut			.02		*	*	1.94							.72	.02			.46			*	1.16			.36	.05	.02	.53	.20	.05		5.53
Salem	Coast																																
Somerset	do			T.			*	1.91			.30				*	.82			.15				.91			.38		T.		1.10	.05		5.62
South Egremont	Housatonic					.40	1.36	.22			.05				.63				.28			2.05				.20		.12	.39	.24	.10		6.04
Spot Pond	Coast			.04		*	*	1.74		.02					*	.90			.38			.24	.34			.40	.02	.02	*	.67	.03		4.80
Sterling	Merrimac					*	*	1.60							*	.92			.20			*	1.30			.38		.10		.79			5.29
Taunton	Coast			*	.08	*	*	2.24			.04				*	2.05			*	.53		*	.69			*	.38	.04		1.00		.04	7.09
Turners Falls	Connecticut			.02		*	*	1.80								.58				.52		*	2.02			.22		.08	*	.61	*	.09	5.94
Westboro	Merrimac			.05		*	*	2.00								1.25			.27		*	.60				T.		.10		.90		.05	5.22
Williamstown	Hudson			.10		.10	.98	.51			.05	T.			.05	T.			.40	T.		.13	.88			.22		.11		.32	T.	.05	3.90
Winchendon	Connecticut			.04		.10	.78	.83							.20	.35			.34	.15		.14	1.27			.07		.12		.65			5.04
Worcester	Coast			T.		.04	.88	.69							.41	.29			.42			.59	.64			.45		.08		.59	T.	.02	5.10
Rhode Island.																																	
Block Island	Coast			.02		.15	.75	1.15		.02	.10				.56	.02			.31	.04		.03	.28			.65	.09	.01	.08	.54		.06	4.86
Bristol	do			T.		*	*	1.92		T.	.22				*	1.14			.19	.14		*	.33			*	.43	.03		.74		.04	5.18
Greene	do						*	2.09							*	.80			*	.40			.89			*	.72			.53			5.38
Hope Valley	do			.01		T.	1.69	.81			.05				.70	.40			.20	.20		.03	.51			.39	.32	.04		.56	T.	T.	6.00
Kingston	do					.08	1.80	1.20			.20				*	1.40			.47			.08	.40			.27	.45	.04		.50		.14	7.03
Narragansett Pier	do			.02		.40	1.00	.84			.25				.60	.15			.43			.15	.30			.61	T.	.04	.20	.52		.06	5.57
Pawtucket	do																																
Providence	do			.04		.08	.75	.85			.13				.83	.28			.28	.03		.04	.27			.65	.01	.03	.07	.49	T.	.02	4.85
Wallum Lake	do					.75	1.50	1.00							.30	.35			.50			.70								.40			5.50
Connecticut.																																	
Bridgeport	Coast			.09		.02	1.38	.82							.75	.17			.65	.05		.45	1.56			.75	.01	.08		.79	T.	.02	7.59
Canton	Connecticut			.04		*	*	1.67							.91				.43			*	3.53			.48		T.		.83	T.		7.89
Colchester	Coast			T.		*	*	2.13							*	1.00			.48			*	2.15			*	.45	.10		*	.64	.02	6.97
Cream Hill	Housatonic			.03		.08	.48	.37			.08				.70	.30			.59			.90	.95			.72		.24		.98	*	.20	6.62
Danielson	Coast			.05				1.50								1.20			*	.40		*	1.50			.77				.62	.05	.05	6.14
Falls Village	Housatonic					.10	1.20	.25							.74	.10			.25	.10		1.85	.30		.05	.37		.10	.15	.52	.10		6.18

TABLE 2.—*Daily precipitation for January, 1910. District No. 1*—Continued.

Stations.	River basins.	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	31	Total.
Connecticut—Cont'd.																																	
Farmington	Connecticut																																
Hartford	...do			.08		.33	1.02	.76							.74	*.17		T.	.35			1.08	.87			.34	.04	.06	.15	.68	T.	.01	6.68
Hawleyville	Housatonic					.10	.80	1.12											.43	.11		1.00	1.93			.40				.33			6.22
Lake Konomoc	Coast						1.91	.73								.45			.47				1.35				.75	.05		.50	.09		6.30
New Haven	...do			.04		.25	.99	.67							1.23	.06		.06	.65			1.00	.87			.60	.02	.05	.12	.65	.02		7.28
New London	...do						1.11	.68							.32	.45			.28	.45		.20	.90				.46	.10	T.	.70	.10	.03	5.78
North Grosvenordale	...do			.10			.65	.52							.70				.15	.10		.02	.55			.65		.05		.50		.02	4.01
Norwalk	...do			.08		*	*	2.42							*	.50			*	.55		*	1.65			.54	*	.06	*	.65	.03		6.48
Southington	...do			.05		T.	1.25	1.00							.60	.50			.40	.10		1.60	.75			.30	T.	.05		.80	.15	.05	7.60
South Manchester	Connecticut				*	*	1.90								*	1.00						*	2.24			.21		*	*	1.01	.01		6.37
Storrs	Coast																																
Torrington	Housatonic																																
Voluntown	Coast					T.	1.25	.85							.25				.25	.25		T.	.65			.35	.23	T.	T.	.40		.05	4.53
Wallingford	...do			.04		.85	1.20	.10						.20	1.10	.25		.30	.38			1.83				.46	.04	.04	.63	.19	.01		7.62
Waterbury	Housatonic			.07		*	1.09	1.14							*	1.10			*	.51		*	2.79			.47		.08	.77		.03		8.05
West Simsbury	Connecticut			.03		*	*	1.53							*	.60			.35			*	2.58			.34		.09	.72	.03			6.27
New York.																																	
Addison	Susquehanna			.02		.14	.52	.34		T.	.02			*	.67	.12		T.	.25			.61	.13	.06				.04	*	.26	.07	.05	3.20
Albany	Hudson		T.	.11		.13	1.22	.26		T.	.04				.37	T.		T.	.24	T.		.45	.53		.08	.23	.04	.06	.04	.31	.02		4.13
Alfred	Susquehanna																																
Amsterdam	Mohawk			.15		*	*	2.15							.12				*	.48		T.				.20				.05			4.05
Athens	Hudson			T.		.06	.72	.60			.02				.22	.50			.24	T.		.30	.95	T.	T.	.32		.06		.48		.08	4.55
Ballston Lake	...do			.11		*	1.36	.46			.03				*	.51			.41	.08		*	.56		T.	.77		.17	T.	*	.64	.08	5.18
Bedford	Coast			.10			.60	.72								1.20				.06		.35				.25	.10	.14		.80			4.32
Binghamton	Susquehanna			.03	T.	.24	1.09	.02		.08	.03				1.40			T.	.42			.60	.01		.02	.14	.01	.07	.05	.75	.16		5.12
Bouckville	...do			.25		.15	.77	.25			.20				.60				.39			.15	.22			.20		.05	.05	.30	.15	.10	3.83
Carmel‖	Hudson			.09		*	.46	1.11							.21	.61			.61			*	2.63			.19	.19	.17	*	1.17			7.44
Chatham	...do			.01	T.	T.	.82	.48			.15				.36	.60			.06	.04		.10	1.01			.35		.14		.50	T.	.05	4.67
Cooperstown	Susquehanna		.10	.05		1.16	1.50				.10				.40				.57			.20				.17		.13	.10	.57	.18		5.23
Corinth‖	Hudson					1.00	.65	.60										.62	.70				.72				.30	.20					4.79
Cortland	Susquehanna			.08	.01	.16	.63	.36			.07				.31	.08			.65	.04		.26	.23			.07		.14	.10	.20		.16	3.55
Cutchogue	Coast			T.		.37	1.01	.09							.80	.20			.52	.11		.33	1.54			.61	.10	T.		.59		.02	6.29
De Ruyter	Susquehanna		T.	.09	.20	.50	.79	.35		T.	T.			*	.27			*	.76	.01		.34	T.	.06	*	.10	*	.17	.06	.33	.15	.02	4.20
Easton	Hudson			.16		.76													.53			1.10					.12	.18				.10	2.95
Elmira	Susquehanna					.20	.60	.39							.34							.96									.35	.10	2.94
Fort Hunter‖	Mohawk																																
Fort Plain	...do		.02	.10		.18	.96	.42			T.				.28	.01			.40	.02		.03	.10	.01	T.	.14		.14	T.	.27	T.	T.	3.08
Glens Falls	Hudson		*	.15		.60	.90	.43		*	.04			*	.08			*	.85	.14		.05	.90		T.	.25	*	.12		*	.25	.04	4.80
Gloversville	Mohawk		T.	.13		1.58	.50	.48							.28				.83	.02		.05	.22		T.	.26		.20		.42		.16	5.13
Greenfield Center	Hudson			.10		.60	1.25	.50			.10				.20				1.00			.50				.30		.20		.15		.10	5.00
Greenwich	...do					.47	1.07	.39					T.		.06	.02			.62	.12		.02	1.02		.01	.27	T.	.26		.15	.11	.05	4.63
Griffin Corners	Delaware																																
Haskinville	Susquehanna			.25			.30			*	.40				.50	.22			.30			.93					.20			.18	*	.19	3.47
Homer	...do			T.	.16	.05	.28	.61	.35		T.	.08			.30	T.		T.	.62	T.		.51	T.			.09		.30	.02	.33	.09	.03	3.82
Hoosick Falls‖	Hudson				.12		.83	.98	.02		.03				.28					.31			.70			.03	.25	.30	.04	.11	.14	.03	4.17
Indian Lake	...do	*	.20	.30		.20	.20	.08											.70	.08		.30				.15		.05		.45		.03	2.74
Jeffersonville	Delaware			.07		.55	.31	.69			T.				.37				.64	T.		1.29	T.	T.	T.	.43	T.	.11		.38	T.	.16	5.00
Lake Pleasant	Hudson						.90											1.20				.90							.50	.50			4.00
Liberty	Delaware				T.	T.			.14		.19				.10	.06	.20					*	3.70		T.	.51		.30		.15	.04		5.39
Little Falls	Mohawk		.03	T.		.70	1.33	.40							.08				.43			.03	.09			.23		.10	T.	.64	.05	.04	4.15
Mohonk Lake	Hudson							1.45							1.50				.63				1.35			1.00				1.35			7.82
Morehouseville	Mohawk		.10	.15		.08	.85	.30							.02				.80	.05		.20	.20			.30		.15	.15	.30	.15		3.80
Mount Hope	Coast					.15	.40	.50							.40	.20			.25			.60				.30				.40			3.20
Newark Valley	Susquehanna		T.	T.	.08	.30	1.07	.35							.60	.10			.46			.46	.04			.05		T.	.05	.40	T.	.14	4.10
New Berlin‖	...do			.06	T.		.06	.71						*	.10	.22	T.		.11	.31	.02	*	.14	T.	*	.13	*	.03	.04	.05	.25	.11	2.34
New Lisbon	...do		.01	.09		.27	1.19	.30							.37	.06			.47			.18	.08			.17		.10		.63		.13	4.05
New York	Coast			T.		.17	.88	.56			T.			.02	1.57	.15		.09	.28			.75	.12		T.	.27	T.	.01	.32	.42	T.		5.61
North Creek	Hudson					*	1.70	.26											1.00			*	1.72		*	.21		.05		.79			5.73
Northville‖	...do		.10			.08	.08											.55	.75			.52			.20		.20		.10	.10	.12		2.80
Norwich	Susquehanna	T.			.21	.19	.98	.84			.02	T.			.22	1.16			.12	.54		.25	.46		.19			.22	.04		1.29	.18	6.91
Oneonta	...do			.13		.30	1.28	.35							.36	.14			.48			.40	.62			.27		.16		.48	.12	.06	5.15
Oxford	...do		T.	.20	.10	.38	1.20	.38	T.		T.				.30	.30			.60	T.		.15	.05	T.	T.	.20		.20	.10	1.01	.10	.10	5.36
Port Jervis	Delaware		.04				.21	.78			.01				.46	.40			.20	.08		.42	.73		*	.31	.16		.32	.20	.02		4.34
Salisbury	Mohawk		.84	.09		.21	1.51	.11							.11				1.11	.21		.14	.20			.11		.18		.48		.09	5.39
Salisbury Mills	Hudson			T.				1.10						*	.95			.03			*	2.00		.37				.80				5.25
Scarsdale	Coast			T.		T.	1.50	.20				T.			.20	2.00		T.	.75			T.	.10		T.	.15	.50		T.	.15	T.	T.	5.55
Setauket	...do			T.		.14	1.06	1.12							1.00	.06		*	.53			.61	1.64		*	.77		.04	*	.65		T.	7.62
Sherburne‖	Susquehanna			.10		*	.92	.67			T.			*	*	.37			.17	.33		*	.34	T.	*	.14	*	.08	T.	.12	.59	.15	3.98
Southampton	Coast			T.		T.	.85	1.30							.60	.58			.19	.24		T.	1.12			.60	.37	.06		.51		.04	6.46
Spier Falls	Hudson					.55	.75	.40			T.				.06				1.02	.28		.30	.50			.42		.22		.33		.08	4.91
Trenton Falls‖	Mohawk		T.	.18	.04		1.01	.40	T.		.02					.09			.35	.78	T.		.12	T.		.17		.15	T.	.03	.30	.06	3.70
Tribeshill‖	...do			.20		.30	.20	.60							.30				.70				.90			.20					.60		4.00
Utica‖	...do				.02	.64	.54	.30	.12		.18			.02	.20				.08	.12		.51					.04	.40	.35	.60	.45		4.57
Wading River	Coast			.04		.01	1.84	1.04							.32	.03		*	.23	.25		.42	1.31			.43	.03	.05	*	.65	.03	.02	6.70
Wappingers Falls	Hudson			.10		.21	.72	.30							.92	.12		*	.53	.10		.87	.74		.10	.18	.10	.22		.58	.12	.15	6.06
Warwick	...do			.08		.15	.35	.45			.05				.92				.25			1.00				.45	.10		.60				4.40
Waverly	Susquehanna			T.	.01	.01	.74	.69	T.		.05	T.			.50	.18			.30	.08			.53	.01		.06		.05		.07	.07	.14	3.49
West Berne	Mohawk			.10			.41	.20			.20				.60	.20						.48	.35			.40				.50		.10	3.54
West Point	Hudson						.15	1.20	T.		.10				*	1.10			.70			*	2.00			.10		.30	.30	.15		T.	6.10
Windham	Mohawk			.16	T.		1.10	.58							.22	.43			.14	.11		.82	.78		T.	.44		.11		.65	.19	T.	5.73
Pennsylvania.																																	
Altoona	Susquehanna			T.		.72	1.10						T.	.81	.46			T.	.83			1.12	.50					T.	.42	.35	.17		6.48
Ansonia‖	...do			.05	.01		.74	.42							.50	.14			.13	.21		.15	.81	.10		T.		.03		.17	.03	.12	3.61
Bellefonte	...do					1.30	.55	.05						.50	.15			.05	.53			1.15	.25					.25		.60	.30		5.68
Bethlehem	Lehigh																																
Browers Lock	Schuylkill					.42	.94	.34						.03	.72	.04		.10	.31	.05			.15	1.02	.15	.15	.04				.07	.16	4.69
Catawissa	Susquehanna			.05		.57	.91	T.		.02				.20	.32			.05	.63			.91	.05		.10	.07	.10		.20	.40	.01		4.59
Center Hall	...do					.33	1.30	.54						.10	.40				.43			1.00	.10					T.	.10	.84	.30		5.44
Clearfield	...do			.02		.47	.40	.51		T.				.25	1.43	T.			.67				.21				T.	.34		.80	.36		5.46
Coatesville	Coast					.30	.48	.58			.01			.08	1.43	.07		.06	.49			.84	.04		.03	.08	.16		.45	.54			5.64
Doylestown	Schuylkill						.96	1.02						1.34					.61			1.18	.38		.41				.10	.78			6.78
Drifton	Susquehanna			.20		.30	.40	1.00			.12				.70				.85			2.10	.20		.07	.30	.10		.15	.45	.07		7.01
Emporium	...do	.03	.12	.08		.12	.90	.60		T.				.30	.50			T.	1.12			1.27	.42	.20		T.	.04	.07	T.	.23	.30	.20	6.50
Ephrata	...do					.20	.13	.27						T.	.90	.11			.43			.47	.17		.03	.22	T.	T.	T.	.38			3.31
Everett	Juniata					.02	.48	.81						*	.60				.31			1.05	.20				T.	.22	*	.71	T.	T.	4.40
Forks of Neshaminy	Delaware		.01				*	2.03							*	1.60		.37	.12			.50	.23			.23		.01		.75			5.85
George School	...do																																
Gettysburg	Potomac					.10	.20	.52						.20	1.27	.08			.43	.02		.70	.15		.08	.07	T.		.08	.50			4.40
Girardville	Susquehanna					.41	.70	.30		.06	.06			.40	.80			.12	.69			2.00	.20		.24	.08	.14	.08	.16	.40	.04		6.88
Gordon	...do			.02		.30	.51								*	.94			.77	.11		1.70	.41	.08	.08	.24	T.	.11		.51	.08	.06	5.92
Hamburg	Schuylkill					.24	.37	.19						.23	.64				.94			.67			T.	.25			T.	.24			3.77
Hanover	Susquehanna					.21	.62			T.				*	*	1.10		*	.47			.74	.10		*	.16	T.		*	.70	T.		4.10
Harrisburg	...do					.36	.31	.27		T.				.33	1.07			.12	.35			.40	.11		.06		.01		.11	.41	T.		3.91
Huntingdon	Juniata					.46	.70	.77						.15	.85	.25		T.	.43			1.18	.31	T.			.04	.13		.70	.30		6.17

TABLE 2.—*Daily precipitation for January, 1910. District No. 1*—Continued.

Stations.	River basins.	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	31	Total.
Pennsylvania—Cont'd.																																	
Hyndman	Potomac	T.	T.	T.		.09	.97	T.		T.			.33	.65	T.			.39	.06			.90	.15				.05	.22	.20	.30	T.	T.	4.31
Kennett Square	Coast																																
Lancaster	Susquehanna					*	1.11			T.				*	.65				.43			.70			.30				*	.20			3.39
Lansdale	Schuylkill					.07	.50	1.79						.05	.61			.59				.97					.26		.40	.37			5.61
Lawrenceville	Susquehanna			T.		T.	1.00	.50							.35	.15			.30			.80	T.	.05						.40	.10	.10	3.75
Lebanon	do					.10	.48	.75			.02			.02	.99	.11			.62	.02		.66	.09		.10	.14	.01	.02	T.	.58	T.	.01	4.72
Le Roy	do			.10	.01	.25	.82	.45		.01	.08				.35	.20			.24	.02		1.00	.15	.03		.10	.02	.05		.45	.15	.02	4.50
Lewisburg	do					1.04	.38	.68						1.00	.30			.50	.10			.61	.28		.06	.04	.04	.06		.65	.20		5.94
Lock Haven	do		.05	.10		.12	1.51	.48	.05					.10	.40	.02			.25			1.00	.81	.05				.20		.60	.40		6.14
Marion	Potomac			T.		.40	.45							.26	1.10	.10			.27			.52	.27		T.				T.	.68	T.		4.05
Mauch Chunk	Delaware		.04			.41	.16	.70			.05				.96	.06			.65			1.69	.17	.08	.04	.31	.02	.10	.08	.53	.05		6.10
Mifflintown	Juniata			T.		.43	.52	.56						.04	.74	.03			.34			.74	.29	.03			T.	.03		.32	.07		4.14
Milford	Delaware			.05		.02	.01								1.10				.32			.67			*	.34	*	.11		*	.63	.02	3.27
Montrose	Susquehanna			*	*	*	1.60	.05	T.	.30					1.20	.30		*	.58			.35	.25		T.	.20	.08	T.		*	*	.58	5.49
Mountain House	Juniata					*	1.52							*	*	.70			.38			1.81	.40						.80			.04	5.65
Muncy Valley	Susquehanna					T.	2.16	T.		.13				.18	.60				1.62			.98	T.		.11		T.			.45	.25	T.	6.48
New Germantown	do						.50							1.30					.42			1.87	.20							.40			4.69
Ottsville	Delaware						.70	.63							.23	.02			.46	.01		.64	.13			.29		.02		.39			3.52
Philadelphia (1)	do					.28	.92	.63						.15	.61	T.		.11	.27			.37	.02		.10	.14	T.	.01	.41	.21	T.		4.23
Pocono Lake	do					.40	.10	.80		.20	.20				1.20				.70			1.04	.76		.10	.40				1.00	.20		7.10
Point Pleasant	do					.09	.85	.87							.94				.50			.75	.16			.22			.07	.70			5.15
Pottsville	Schuylkill					.39	.25	.57			.01				1.04	.05			.70			2.04	.06		.15	.14	.08	.03	.25	.15			5.91
Reading	do			.04		.46	.39	.38						.24	.45			.07	.41			.74	.05		.15	.10	.02		.27	.25	.01		4.03
Renova‖	Susquehanna			T.	T.		.80	.66			T.				.50	.20			.32	.34		.14	1.66	.08				.10		.26	.12	.12	5.30
Scranton	do			.04	T.	.20	.90	.15		.08	.19			.05	.44	.25		.02	.36			.65	.02	T.	.11	.11	.13	.01	.09	.44	.08		4.32
Seisholtsville	Schuylkill					.38	.25	.67							.34	.13		.02	.48			1.23	.02		.04	.21			.16	.51			4.44
Selinsgrove	Susquehanna			.02		.05	.74	.57						T.	.75	1.18			.44			.56	.39	.01	T.	.07	T.	.01		.70	.05	.03	5.57
Shawmont	Schuylkill					.04	.50	1.20							.75	.04						.52	.15			.24		.05	.30	.40			4.19
Smiths Corners	do					.24	.47	.85							.42	.09			.52			.73	.11			.22		.10	.24	.41			4.40
Spring Mount	do			.03				1.24								1.05			.40			.69	.03			.22		.05		.62			4.33
State College	Susquehanna		T.	T.		.55	1.35	.28		.01	T.			.20	.75			.11	.53			.90	.68	.10		T.	.01	.33	.05	.75	.30	T.	6.90
Towanda	do			.04	.01	.05	.92	.54			.14				.50	.20			.15			.56	.07	.02		.10	T.	.20		.24	.05	T.	3.79
Wellsboro	do			T.			*	1.16							.76				.52			.81	.34							.56		.08	4.23
West Chester	Coast					.30	.33	.84			.02			.05	1.18	.08		.04	.50			.72	.08		.03	.19		.01	.55	.44			5.36
Wilkes-Barre	Susquehanna			.05		T.	1.12	T.							.71				.90						.30	T.	.05		T.	.50	.20		3.83
Williamsport	do			T.			2.01							*	.73				.62			*	1.73		.03		T.	.08		.24	.12		5.56
New Jersey.																																	
Asbury Park	Coast					*	.78	.80						*	.65	T.		*	.35			.27	.55			.43			*	.50			4.33
Atlantic City	do			T.		.09	.32	.89		T.	.03			.09	1.10	.02		.07	.40			.52	.03		.04	.31	T.	.03	.35	.33		.02	4.64
Bayonne	do			.01		.06	.94	1.09			.02			*	1.10	.40		*	.49			.29	.44		T	.27	T.	.02	*	.48	T.		5.61
Belvidere	Delaware					*	*	.90						*	1.34			*	.52			.57	.52		*	.30			*	.99			5.14
Bergen Point	Coast					*	1.09	1.10			.04			*	.92	.41		*	.51			.41	.47		T.	.36	T.	.05	*	.74	T.		6.10
Boonton‖	Passaic			*	.04	*	.56	1.04	.03		T.			*	.36	.43		*	.32	.16		.08	1.18		*	.19	.13	.07	*	.64	.08	T.	5.31
Bridgeton	Coast					.25	1.50	.25						*	.80	.10		*	.25			.40	.20		*	.25	*	.30	.30	.20		T.	4.80
Burlington‖	Delaware					.30	1.45	.03			T.			.40	.37			.32	.17			*	.49		.13	.14	.03		.52	.24			4.59
Canton	Coast					*	*	2.10						*	*	.81		*	.31			*	.31		*	*	*	*	*	.81		T.	4.34
Cape May	do																																
Charlotteburg	Passaic					*	*	1.33						*	*	1.60		*	.52			*	1.57		*	.17			*	.75			5.94
Chatham‖	do				.04	*	*	1.95	.20		T.			*	*	1.45		*	.25	.30		.05	.85		*	*	.40	.05	*	.40	T.		5.94
Clayton	Coast					*	*	1.78			T.			*	*	.93		*	.28			*	.75		*	.30	T.		*	.42			4.46
College Farm	do			.03		.04	1.02	1.09			T.			*	2.20	.19		*	.69			.16	.45			.33	T.	.04	.01	.40	T.		6.65
Culvers Lake	Delaware			.05		.03	.25	.55			.03			*	.95	.35		*	.41			.37	.47		*	.36	T.	.13	*	.50	T.		4.45
Dover	Passaic			.05		*	*	1.53			.05			*	*	1.50		.05	.55			1.36			*	.40	*	.13	*	.53			6.15
Elizabeth	Coast					*	*	2.03			T.			*	*	1.40		*	.45			*	.65		*	.32	*	.16	*	.50	T.		5.51
Flemington	do			T.		*	.72	.89			.05			*	1.10	.10		*	.53			.46	.45		*	.29	T.	.05	*	.77		T.	5.41
Friesburg	do					*	.54	1.16						*	.73	.05		*	.26			.37	.12		*	.28	T.	T.	*	.55			4.06
Haddonfield	Delaware					.01	.85	.37						*	1.20	.04		.02	.36			.46	.18		*	.29	T.	.01	.40	.20			4.39
Hammonton	Coast					*	*	1.84			T.			*	*	.88		*	.25			*	.62		*	.30		T.	*	.41		T.	4.30
Hightstown	Delaware					*	*	1.69			.05				*	1.04		*	.48			.67				.29		.02	*	.50			4.74
Imlaystown	do					*	*	1.68			.06			*	*	.80		*	.36			.70			*	.23	T.		*	.53			4.36
Indian Mills	Coast					*	.80	1.12			T.			*	.80	.05		*	.29			.40	.15		*	.35		.03	*	.48			4.47
Jersey City	do			T.		.22	1.18	.70			.03			*	1.12	.33		.01	.48			.70	.12		T.	.34	.02	.02	.22	.50	T.		5.99
Lakewood	do																																
Lambertville	Delaware			.01		*	.75	1.07						*	1.37			*	.55			.79			*	.25	.01		*	.81			5.61
Layton	do					*	*	.52						*	1.20			*	.40			.34	.54		*	.20		.16	*	.30			3.66
Little Falls	Passaic			.04		.42	.98	.52			T.			.03	.78	.05		.09	.28			.95	.10		T.	.24	.02	T.	.28	.39	T.		5.17
Long Branch	Coast					*	.93	.88			T.			*	.50	.10		*	1.07			.51	.48			.24		.06	*	.55			5.32
Mahwah‖	Passaic																																
Moorestown	Delaware					.03	.65	1.05			T.			*	1.00	.04		*	.40			.24	.22		*	.25	T.	.02	*	.57	T.		4.47
Newark	Passaic					.40	.97	.47			.02			.05	.70	.42		.12	.34			.47	.13			.24	.02	.05	.10	.60	.02		5.12
New Brunswick	Coast																																
Newton	Delaware			.08		.37	.78				.01			*	1.15			*	.38			1.20			*	.39	.09		*	.57			5.02
Northfield	Coast					.03	.37	.77			.02			*	1.18	.02		*	.36			.35	.23		*	.35		.02	.01	.73			4.44
Oceanic	do					*	.82	1.02						*	*	1.25		*	.49			.34	.61			.54			*	.63			5.70
Paterson	Passaic			T.		*	.91	1.08			T.			*	.75	.27		*	.34			.32	.71		*	.18	T.	.02	*	.78	T.		5.36
Phillipsburg	Delaware			.05		.36	.51	.47			T.			.04	.98	.05		.11	.36			.81	.02		.12	.21	.04	T.	.26	.37	T.		4.76
Plainfield	Coast			T.		.02	1.01	1.18			.01			*	1.26	.10		*	.67			.37	.39		T.	.32	T.	.05	.02	.48	T.		5.88
Pleasantville	do																																
Pompton Plains‖	Passaic					*	.49	1.04			T.			*	.58	.80		*	.31	.10		.02	1.28		*	.06	.20	.05	*	.46	.12	T.	5.51
Rancocas	Delaware					.10	1.00	.84			T.			.30	.50	T.		.05	.32			*	.40		*	.25	T.	T.	.25	.25			4.26
Rivervale	Coast			.03		*	.40	.60						*	.60	.50		*	.18			*	1.60			.22	T.	.06	*	.69	T.		4.88
Runyon	do					*	*	1.95						*	1.25	T.		*	.53			*	.59			.27	.10		.22	.34	T.		5.25
Somerville	do			.03		.03	.77	1.10			T.			*	1.10	.10		*	.60			.40	.35		*	.28	T.	.05	*	.55			5.36
South Orange	do			T.		.20	.71	1.35			.03			*	.80	.10		*	.53			.70	.20		T	.33	T.	.02	.20	.57	T.		5.64
Sussex	Hudson			T.		*	.80	.70			T.			*	1.50			*	.05			.32	.58		*	.30		.20	*	.20	T.		4.65
Trenton	Delaware																																
Tuckerton	Coast					*	*	1.33						*	1.10	.10		*	.27			.44	.50		*	.35		.02	*	.72			4.83
Vineland	do					.03	.41	1.45			T.			*	.93	.08		*	.19			.43	.19		*	.31	*	.04	*	.23			4.29
Woodbine	do																																
West Virginia.																																	
Bayard	Potomac	.20	.14	.67	T.	.07	.52	.50	.10	.05	.20		.05	.43	.82	.10		T.	.77	.09		.53	.34	.05		T.	.05	.77	.16	.57	T.	T.	7.18
Burlington	do					*	1.10	T.						.60				.10	T.			.80						.10	.40	1.00		T.	4.10
Franklin	do						.20	.60						.30								.80	T.						.15	.60		T.	2.65
Harpers Ferry‖	do							.60						.22	.71				.32			.33	.85							.70			3.73
Lost City	do					T.	.62							1.02	T.				T.			1.49	.30				T.			1.20		T.	4.63
Martinsburg‖	do					.05	.55						.18	*	1.25			.05	.67			.56	.10		.15		T.			.45	T.		3.41
Moorefield	do		T.			.07	.15	1.00						.41	.20				.11			1.35	.30	T.	T.		T.		.30	.90			4.79
Romney‖	do						.30	.65			T.			.08	.62	T.		.03	.43	T.		.25	.91	T.				.10		.77			4.14
Upper Tract	do					T.	.10	.50					T.	2.00	.35				T.			.83	T.					T.	.10	.78			4.66
Maryland.																																	
Annapolis	Coast						.50								1.30				1.50			.80				.31			*	1.00			5.41
Bachmans Valley	do																																
Baltimore	do					.09	.63	.36					T.	.40	.75			.18	.30			.99	T.		.10	.05	T.		.57	.26	T.	T.	4.68
Cambridge	do						.79	.69						.09	.78	.08			.34	.29		.27	.11						*	.79		T.	4.23

TABLE 2.—*Daily precipitation for January, 1910. District No. 1*—Continued.

Stations.	River basins.	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	31	Total.
Maryland—Cont'd.																																	
Cheltenham	Coast					.08	.08	1.40							.80	.07			.40	.17		.58	.12				.05		.10	.75			4.60
Chester	do																																
Chestertown	do					.10	.35	1.31						T.	*	1.08			.30	.18		.36			T.	.30			.10	.30			4.38
Chewsville	Potomac			T.		.07	.54							.15	.40			T.	.46			.61	.22		.02				.06	.50			3.03
Clear Spring‖	do							.72							.95	.30			.10			.13	.90	T.		.10	T.	T.		.90		T.	4.10
Coleman	do																																
College Park	do																																
Cumberland	do					.15	.90							.25	.90	.03		.01	.10	.10		.40	.70					.05	.15	.45	T.		4.19
Darlington	Coast			T.		.25	T.	.99						T.	1.12	.04			.30	.13		.68	.44		T.	.15	T.	T.	T.	.94			5.04
Denton	do					T.	.71	.85							.75	T.			.16	.18		.22			T.	.14			T.	.51		T.	3.52
Easton	do						.67	.71						T.	.65	.04			.39			.47				.18				.50			3.61
Emmitsburg	Potomac					T.	.46	.06						.17	1.33	.12			.61			1.11	.08		.06	.05	T.	T.		1.27			5.32
Fallston	Coast					.08	.10	.93						.02	1.42	.10		T.	.35	.10		.68	.20		T.	.15	T.	T.	.10	.53		T.	4.76
Frederick	Potomac		T.	T.		.10	*	1.00		T.				*	*	1.13		.05	.48			.93	.28		.04		.01		.36	.47		T.	4.85
Frostburg	do			T.		.14	.40	.51		T.	.01			.51	.82	.03		.18	.58			.98	.18				.06	.22	.07	.50	.20	T.	5.39
Great Falls	do						.01	1.06							.75	.02			.36	.03			1.09	.03						.86			4.21
Green Spring Furnace	do					.11	*	.56						*	1.12			*	.20			.77	.18		.08		.05		.10	.50			3.67
Keedysville	do			T.		.03	.05	.55					T.	.27	.68	.06		.02	.41			1.18	.28		.06		.01		.12	.56	T.	T.	4.28
Lake Montebello	Coast		T.			*	.19	.88						*	1.01	.01		*	.45			.87	.04		*	.11	T.	T.	*	.64		T.	4.20
La Plata	do																																
Laurel	do					.15	1.00							.10	.40				.50	.05		1.05	.05			.12	T.		.20	.60			4.22
Monrovia	Potomac		T.			.08	.09	.59						.11	.56	.01		T.	.51	.04		.69	.38		T.	.09			.11	.47		T.	3.73
Pocomoke City	Coast						*	1.05							.73			*	.38			1.06	.04			.18			*	.72		.01	4.17
Porto Bello	do																																
Princess Anne	do					T.	.62	.49		T.				.08	.84			.12	.53	.21		.33	T.		.16	.12			.47	.18		.10	4.25
Rockville	Potomac					.13	.02	.85						.12	.70	T.		.02	.44	.01		.70	.30		T.	.02			.72	.02		T.	4.05
Salisbury	Coast					.02	.60	.62		.02					.77	.03			.35	.40		.60	.10						.28	.58		T.	4.37
Sanatorium	Potomac					T.	.21	.49						.33	1.08	.10		T.	.61	T.		1.93	.36		.07	T.	T.	T.	T.	.63	T.		5.81
Solomons	Coast					.15	.58	.65						T.	.60	T.		.07	.31	.05		.14	.01		.12	.06	T.		.27	.33	T.	.15	3.49
Sudlersville	do			T.		*	.50	1.20						T.	1.23	.05			.30	.17		.37	.03			.20	T.	.02	.03	.70			4.80
Takoma Park‖	do																																
Taneytown	Potomac					.03	.01	.60						.02	1.10	.07			.43			*	.75		.01	.02			.04	.60			3.68
Towson	Coast					.07	.10	.89						.05	.68	.05			.37		.07	1.25	.05		T.	.18			*	.87			5.63
Van Bibber	do																																
Westernport	Potomac			.41		.04	.36	.18		.02				.85	.05			.02	.36			1.08	.20			.04		.30	.80				4.71
Woodstock	Coast					.06	.06	.83						.08	.82	T.			.26	.01		.52	.01		T.	.07			.07	.66			3.45
Delaware.																																	
Delaware City	Coast					T.	T.								.15	.05			.23	.19		.22	.24		T.	T.	T.	T.	T.	.32			1.40
Dover	do					*	2.48								.92				.11			.52				.13			.66	.10		.10	5.02
Milford	do					T.	.54	1.11							.95	.05			.24	.31		.48	.21			.21	.02		T.	.77			4.89
Millsboro	do					.19	.50	.48							.85	.02			.26	.30		.50	.25		.05	.40			.43	.40		.05	4.68
Seaford	do					.04	.69	.80							.82	.02			.32	.20		.62	.15				T.		.06	.64		T.	4.36
District of Columbia.																																	
Washington	Coast					.12	.56	.39					T.	.07	.73			.32	.17			.80	.01		.15	.03	T.		.69	.35		T.	4.39
Virginia.																																	
Culpeper	Rappahannock					T.	*	1.15						*	.34			.21	*	.08		1.05	.44			.05			*	.85		.01	4.18
Dale Enterprise	Shenandoah					.02	.01	.45					.08	.08	.25			T.	.05			1.12	.02		T.		.07		.40	.30		.30	3.15
Doswell	Coast																																
Eastville	do					T.	.18			.25					.35			T.	.22	.41		.47				.07			.13	.50		.05	2.63
Fredericksburg	Rappahannock					.11	.10	.98						T.	.22			.01	.27	.07		.75	.10		.03	.24	T.		.35	.57		.03	3.83
Lincoln	Potomac					T.	.80						.23	.40	.84			.42				1.00	.22		T.					.80		T.	4.71
Mount Weather	do		T.			.07	.44	.28		T.			.24	.65	.38			.22	.18			.90	.29		.03		T.	T.	.48	.32		.05	4.53
Nokesville	do					T.		1.28						.20					.52			.40	.20			T.	T.		.10	.50		T.	3.20
Quantico	do					*	.07	.15					.01	.04				1.90				.76			.16	T.			.23	.90		T.	4.22
Shenandoah	Shenandoah							.85					T.	.06	.41			T.	.09			1.07	.21				T.		.17	.50		.05	3.41
Staunton	do		T.			T.	.80	T.					.05	.21	T.			T.	.07		T.	1.06	.16		T.		.05		.90			.18	3.48
Stephens City	Potomac						.14	.41						.40	.40	.94			.16	.02		.86	.25							.61			4.19
Warsaw	Rappahannock						1.00	.52		T.					.53				.32	.35		.48	.07		.05	.21	.05		.32			.04	3.94
Woodstock	Shenandoah					T.	.07	.47					T.	.30	.75			.06	.05			1.32	.19				.06		.09	.41		T.	3.77

TABLE 3.—*Maximum and minimum temperatures at selected stations, January, 1910. District No. 1, North Atlantic States.*

Date.	Maine.														Massachusetts.										Connecticut.			
	Eastport.		Greenville.		Orono.		Presque Isle.		Portland.		Rumford Falls.		Concord, N. H.		Amherst.		Boston.		Middleboro.		Nantucket.		Providence, R. I.		Cream Hill.		Hartford.	
	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...	37	11	24	0	28	0	.....	.....	34	8	22	− 4	36	− 8	34	− 7	38	16	33	− 3	37	24	39	10	27	7	36	6
2...	41	23	37	15	42	2	.....	.....	49	31	42	20	47	29	44	30	45	36	43	30	43	34	45	35	36	27	46	36
3...	23	14	20	8	39	15	.....	.....	31	24	24	20	29	22	33	23	36	27	40	27	34	30	35	28	35	30	38	28
4...	20	−10	13	−18	19	− 9	.....	.....	25	− 4	14	−10	23	− 8	23	− 7	27	− 3	30	3	34	10	28	− 2	30	− 9	28	− 2
5...	31	−10	3	−18	5	−17	.....	.....	15	− 4	10	−11	10	−10	14	− 9	27	− 3	27	− 5	40	15	40	− 5	14	−11	21	− 6
6...	40	31	35	0	34	3	.....	.....	36	15	32	10	33	10	36	14	47	23	46	27	49	40	47	40	36	14	40	21
7...	33	17	28	16	33	23	.....	.....	34	20	30	18	34	21	34	20	41	25	46	31	50	29	41	24	37	20	36	24
8...	36	13	22	− 1	27	− 1	.....	.....	28	15	24	− 1	27	8	29	12	32	21	31	13	33	24	32	19	32	10	30	18
9...	34	22	25	6	29	2	.....	.....	34	17	21	1	30	8	35	14	32	24	31	9	37	24	31	18	28	15	34	16
10...	31	12	14	2	28	7	.....	.....	26	17	26	− 1	30	10	29	13	33	20	30	21	33	25	32	19	24	11	29	16
11...	21	8	15	0	21	− 7	.....	.....	28	10	22	8	25	11	30	8	32	15	29	4	27	20	30	13	26	5	28	12
12...	24	14	22	10	30	3	.....	.....	29	15	30	8	31	11	27	8	34	21	32	9	30	21	31	19	27	10	30	18
13...	26	9	22	4	30	− 7	.....	.....	33	14	27	12	32	7	31	6	34	23	36	4	35	26	33	19	31	15	31	15
14...	22	2	7	−11	29	−12	.....	.....	16	9	14	0	20	10	25	12	30	16	31	14	32	29	30	15	27	16	24	14
15...	22	11	21	−14	16	− 3	.....	.....	28	11	31	3	31	12	30	17	31	15	28	19	33	29	32	15	24	14	30	14
16...	36	15	33	1	37	−13	.....	.....	45	23	37	12	44	14	40	4	46	23	41	− 7	34	29	45	22	34	8	34	10
17...	32	18	32	18	38	− 1	.....	.....	30	21	30	10	33	5	36	− 4	37	24	46	− 5	38	25	42	17	43	14	33	5
18...	46	30	39	14	41	2	.....	.....	42	26	35	12	44	30	43	19	49	31	48	16	47	34	50	32	45	22	47	24
19...	46	29	40	24	44	35	.....	.....	43	29	41	27	42	30	43	29	47	32	48	31	47	32	47	30	37	24	45	31
20...	35	22	29	13	38	16	.....	.....	35	24	34	33	41	20	42	20	46	28	43	17	40	29	43	26	43	17	45	25
21...	47	30	36	15	46	22	.....	.....	46	32	46	12	45	24	51	26	53	35	47	35	47	36	53	32	49	32	55	28
22...	53	40	47	35	53	38	.....	.....	48	37	51	37	50	34	56	34	57	38	55	37	50	39	56	36	44	32	55	35
23...	41	36	44	28	52	30	.....	.....	40	30	38	28	46	28	40	30	44	33	40	33	42	35	42	32	37	24	41	30
24...	39	34	37	16	40	23	.....	.....	38	28	36	23	39	23	39	24	42	31	49	20	48	33	46	27	38	25	39	28
25...	38	33	35	27	38	26	.....	.....	40	33	39	32	40	34	34	32	40	34	41	28	38	34	38	32	33	27	36	34
26...	36	32	31	25	39	32	.....	.....	42	32	36	22	40	25	42	28	44	35	43	33	40	32	42	32	37	24	42	27
27...	37	33	29	24	38	28	.....	.....	36	28	36	17	35	25	37	30	38	32	43	22	45	32	40	31	36	28	38	31
28...	38	32	32	22	40	30	.....	.....	42	33	38	31	37	29	36	28	40	34	41	31	41	36	39	32	38	24	38	29
29...	48	29	29	18	39	27	.....	.....	33	30	34	28	34	26	36	27	40	30	44	32	50	33	43	27	33	27	36	23
30...	40	25	34	12	40	15	.....	.....	33	26	28	23	33	24	34	24	36	28	42	27	36	31	36	27	31	22	34	26
31...	28	22	22	− 1	28	16	.....	.....	27	23	30	14	32	24	32	26	33	29	35	26	43	34	33	28	38	26	35	29
Mns	34.5	20.9	27.6	9.4	34.2	10.5	.....	.....	34.4	21.1	30.9	13.7	34.4	17.0	35.3	17.1	39.1	24.9	39.3	18.7	39.8	29.2	39.4	23.4	33.9	17.7	36.5	20.8

Date.	New Haven, Conn.		New York.												Pennsylvania.												Asbury Park, N. J.	
			Addison.		Albany.		Binghamton.		Cooperstown.		Indian Lake.		New York.		Clearfield.		Everett.		Harrisburg.		Philadelphia.		Scranton.		Wellsboro.			
	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...	38	10	35	3	34	0	38	10	36	8	25	−17	37	17	31	1	35	2	32	11	37	15	34	9	31	5	38	14
2...	48	36	44	33	43	31	41	29	36	30	30	25	46	37	40	30	55	33	45	32	49	37	47	31	46	28	47	35
3...	36	28	34	25	32	20	33	14	30	20	30	13	39	31	35	27	54	32	44	29	46	34	38	20	39	26	45	36
4...	28	− 1	25	3	21	− 7	14	− 2	20	−13	24	−20	31	5	28	5	34	9	29	13	34	11	20	− 1	30	3	40	12
5...	27	− 3	31	0	34	− 8	38	− 3	34	−14	10	−33	36	5	29	12	28	13	27	10	29	9	37	− 1	22	2	38	10
6...	39	27	35	24	35	30	38	22	34	23	35	8	39	33	34	29	53	22	33	27	40	29	38	30	34	21	45	26
7...	39	25	28	18	30	19	24	13	23	18	29	15	39	25	32	15	34	18	34	19	39	24	30	17	27	16	40	30
8...	30	19	29	−10	24	15	24	1	18	3	20	− 8	28	19	38	−10	33	10	28	15	30	19	26	10	28	−10	30	16
9...	33	17	37	11	29	16	33	21	26	11	27	− 6	32	24	30	1	38	14	34	18	37	21	32	19	33	5	32	18
10...	29	16	27	5	24	7	22	− 2	20	9	25	9	30	17	30	6	23	15	25	17	30	23	24	11	28	11	30	17
11...	32	13	34	− 6	24	5	25	− 2	18	− 1	26	−11	31	16	30	−10	35	6	31	16	33	22	30	8	31	− 8	30	14
12...	32	21	35	21	25	10	28	10	28	10	27	0	35	27	40	23	42	29	36	30	39	28	35	19	36	24	38	23
13...	34	19	31	18	27	12	26	14	26	15	28	− 1	38	28	37	29	39	27	35	28	38	29	32	18	32	15	38	28
14...	28	16	26	23	22	15	27	18	18	15	24	9	33	22	36	27	30	27	30	24	34	24	26	20	28	10	34	30
15...	32	17	27	11	20	5	21	− 1	18	3	31	−10	32	22	34	22	35	18	31	24	34	25	25	13	26	13	32	22
16...	42	22	31	−16	26	− 4	24	− 3	22	− 3	40	−20	35	18	30	18	38	− 1	34	11	39	24	25	6	31	−19	35	13
17...	36	14	36	− 7	26	− 2	34	− 7	22	− 8	35	−13	39	22	37	10	35	12	32	9	39	24	38	5	38	− 6	36	18
18...	48	36	44	30	44	21	46	30	40	22	40	20	51	36	40	20	47	31	45	30	51	36	46	31	43	28	44	35
19...	44	30	38	23	43	30	38	17	38	20	39	22	41	32	40	28	41	30	40	30	44	35	38	25	39	27	50	35
20...	42	26	42	7	42	22	47	11	42	15	40	19	46	30	45	15	53	17	41	24	45	31	48	20	43	10	45	25
21...	50	33	44	32	51	37	49	41	47	32	45	21	51	40	40	28	43	29	47	38	55	40	50	40	46	26	46	36
22...	51	35	45	24	52	32	50	27	45	26	46	32	51	35	36	21	38	23	43	28	51	33	50	28	45	21	46	36
23...	41	31	34	21	38	31	35	25	32	24	35	22	40	32	38	19	40	20	39	27	42	30	38	26	35	20	39	28
24...	42	28	40	32	40	31	35	30	36	26	33	18	45	32	36	26	37	27	33	30	44	33	36	29	40	28	42	28
25...	37	31	35	25	34	25	32	22	30	20	32	15	40	29	36	23	36	25	36	28	40	30	33	22	36	24	40	33
26...	39	27	36	30	31	23	35	13	29	4	35	− 8	36	24	34	7	33	13	31	21	35	26	36	16	32	12	37	22
27...	40	33	39	29	38	29	37	30	36	29	34	20	41	33	34	19	39	25	42	28	46	34	38	30	34	25	44	32
28...	39	32	34	26	39	30	35	29	32	26	33	21	40	32	34	30	36	30	38	31	43	32	39	30	34	25	41	32
29...	43	27	32	23	30	23	31	22	26	22	27	15	42	28	33	24	31	24	33	26	36	29	30	23	33	23	42	30
30...	36	26	34	16	35	25	31	23	26	18	25	16	39	26	30	6	38	26	37	23	39	25	36	23	30	20	40	22
31...	39	30	29	20	28	18	33	24	25	21	27	13	39	30	32	23	29	25	35	29	41	33	35	27	31	25	41	31
Mns	37.9	23.3	34.5	15.9	32.9	17.5	33.0	15.4	29.5	13.9	30.9	6.3	38.8	26.0	34.8	16.9	38.1	20.2	35.5	23.4	40.0	27.3	35.2	19.5	34.2	14.5	39.2	25.4

TABLE 3.—*Maximum and minimum temperatures at selected stations, January, 1910. District No. 1*—Continued.

Date.	New Jersey.								Martinsburg, W. Va.		Maryland.								Washington, D. C.		Milsboro, Del.		Virginia.					
	Atlantic City.		Hightstown.		Newton.		Phillipsburg.				Baltimore.		Darlington.		Frederick.		Westernport.						Culpeper.		Fredericksburg		Staunton.	
	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...	40	21	34	0	30	3	33	3	40	13	36	17	32	6	33	7	35	11	40	11	43	6	37	7	42	10	51	19
2...	49	38	44	28	51	26	49	31	44	15	52	36	50	27	44	33	55	34	53	40	51	31	50	34	66	37	63	42
3...	47	34	40	30	43	27	39	28	54	39	49	37	45	27	53	36	57	35	55	37	65	35	67	34	70	52	66	50
4...	34	12	36	12	36	4	28	5	24	15	37	14	41	14	37	16	36	12	37	17	39	15	55	20	57	21	50	24
5...	41	13	16	5	7	− 5	26	0	29	15	28	13	31	7	23	14	28	18	26	16	41	14	25	19	25	19	44	18
6...	47	32	36	16	33	6	34	25	37	17	39	28	35	17	35	23	33	26	40	26	58	26	43	23	50	19	57	20
7...	46	23	40	29	33	23	35	19	28	27	38	23	35	25	38	25	35	16	37	21	53	27	37	30	46	32	35	29
8...	31	17	32	13	28	9	28	12	31	13	30	26	28	11	36	16	33	11	34	16	36	16	32	13	34	12	35	14
9...	33	21	37	9	37	9	33	11	40	13	38	21	34	16	38	17	39	14	40	16	36	17	36	16	41	15	44	17
10...	29	18	32	20	28	16	27	15	27	16	30	22	30	17	37	20	30	16	29	18	30	20	33	18	34	20	34	13
11...	34	15	33	8	33	6	30	13	32	11	36	20	32	10	34	13	44	9	34	14	37	11	37	11	40	10	42	14
12...	36	28	36	20	35	15	35	23	40	11	40	31	36	25	42	30	44	32	40	30	48	21	43	20	41	20	42	28
13...	37	29	36	20	35	14	34	20	33	25	38	32	34	30	40	30	37	30	37	32	41	31	38	30	40	32	35	32
14...	40	24	34	27	38	17	31	19	30	29	36	26	33	29	32	26	32	29	35	28	43	33	33	30	35	31	35	30
15...	33	23	34	20	39	15	34	18	36	22	35	24	30	21	36	16	34	28	37	24	35	24	37	26	40	25	41	26
16...	42	19	37	2	36	− 1	38	5	33	6	42	25	37	19	29	− 1	39	6	43	23	45	19	42	16	47	18	48	18
17...	40	24	38	3	29	− 2	32	3	35	7	37	23	35	10	32	6	34	17	42	23	42	20	41	24	45	23	45	20
18...	47	37	50	35	44	21	46	29	49	21	58	36	49	34	46	30	48	32	58	39	58	30	57	32	62	39	54	30
19...	42	33	48	35	43	29	39	24	41	33	44	36	45	28	42	32	43	31	44	30	43	28	54	29	54	28	49	31
20...	41	32	44	22	45	14	42	17	48	24	48	32	42	22	48	30	57	22	54	28	57	26	55	25	57	24	58	31
21...	46	39	52	32	48	30	50	33	49	25	53	42	50	36	52	36	44	35	55	40	54	34	52	37	55	42	46	34
22...	45	36	52	36	49	31	48	31	33	29	46	31	50	31	39	29	35	25	41	30	43	33	43	28	53	30	34	24
23...	37	32	43	28	38	24	41	27	39	23	39	28	46	23	39	23	40	23	42	27	45	28	40	21	46	25	41	22
24...	44	35	44	25	38	22	37	26	34	25	40	33	37	28	37	27	38	25	43	32	49	28	42	33	45	33	45	26
25...	39	30	41	32	34	27	37	23	35	27	39	30	55	27	38	26	38	26	37	28	41	30	37	28	42	29	41	25
26...	40	23	36	20	34	9	33	16	43	20	36	24	32	18	37	34	32	12	38	25	39	22	36	20	39	20	49	22
27...	45	36	44	27	38	25	39	27	46	23	46	33	42	28	46	27	44	26	46	31	47	34	50	30	56	33	50	31
28...	42	32	41	30	39	29	39	31	39	32	41	33	40	30	40	32	37	32	40	32	41	28	42	27	48	25	34	27
29...	44	29	40	29	35	23	33	25	34	30	36	29	33	30	33	27	33	26	35	30	39	30	37	30	38	32	30	28
30...	42	27	40	20	36	18	40	20	40	26	41	27	39	17	39	24	38	16	43	26	43	22	40	13	50	23	44	22
31...	42	33	41	25	40	13	41	20	34	26	38	33	37	25	39	28	39	25	37	28	47	31	35	20	48	27	36	28
Mns	40.5	27.3	39.1	21.2	36.2	16.0	36.5	19.3	37.3	21.2	40.2	27.7	37.7	22.1	38.5	23.8	39.1	22.6	41.0	26.4	44.8	24.8	42.5	24.0	46.6	26.0	44.5	25.6