U. S. DEPARTMENT OF AGRICULTURE

WEATHER BUREAU.

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

1911—1912

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LETTER OF TRANSMITTAL.

UNITED STATES DEPARTMENT OF AGRICULTURE,
CENTRAL OFFICE OF THE WEATHER BUREAU,
Washington, D. C., August 31, 1912.

SIR: I have the honor to submit a report of the operations of the Weather Bureau during the fiscal year ended June 30, 1912.

WILLIS L. MOORE,
Chief of Weather Bureau.

Hon. JAMES WILSON,
Secretary of Agriculture.

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PART I.

ADMINISTRATIVE REPORT.

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REPORT

OF THE

CHIEF OF THE WEATHER BUREAU.

MOUNT WEATHER RESEARCH OBSERVATORY.

INVESTIGATION AND RESEARCH.

INVESTIGATION OF THE UPPER ATMOSPHERE.—Aerial investigations carried on at the Mount Weather Research Observatory have now resulted in the completion of a series of practically continuous atmospheric soundings extending over the last five years. The data thus afforded are in course of summarization and will be in suitable form for further study at an early date.

At the beginning of the kite work in the Weather Bureau, about 14 years ago, it was our expectation to be able to obtain data from which to construct a synoptic chart of the meteorological conditions prevailing in the free air some distance above the earth for a given date. This plan failed, through the impossibility of getting the kites into the air at all stations on the same dates.

In connection with the kite and captive balloon work at Mount Weather we have had in mind to explore as fully as might be done the layers of air next to the earth's surface, the data so procured to serve primarily to increase our knowledge of the processes that are continually going on in the free air, and, secondarily, as a probable aid in weather forecasting.

It seemed improbable at that time that the results of free-air observations from a single station could have a very wide application in making general forecasts. However, the experiment had never been tried, and the establishment of the Mount Weather Observatory made it feasible and desirable that the effort be made. The station was accordingly equipped with the best of modern appliances for kite flying, and a force of men was assembled which soon became quite skilled in the details of the work. This combination of personal skill and thorough equipment resulted in obtaining at Mount Weather the highest kite flights ever made, and, what is more important, nearly continuous daily flights. Some of the flights were made under trying conditions. During the prevalence of fog, rain, snow, or high winds practically all of the flights were low, the meteorograph at such times being carried barely beyond the influence of the mountain top. Under adverse as well as favorable conditions the work was carried on, and it has been shown beyond doubt that at times the meteorological conditions disclosed by kite flights shed light upon the problem of weather forecasting. The work has thus been justified on the ground of its usefulness in forecasting, as well as on the broader ground of affording a substantial addition to the sum of our knowledge respecting the conditions that exist in the air some distance above the earth's surface.

Three series of continuous kite flights were made by day and by night during the year, with a view of obtaining further information regarding the diurnal variation of temperature in the free air with increase in altitude. More observations of this character are needed in order to fix with some definiteness the altitude in the free air to which the diurnal warming and cooling, respectively, extend.

In addition to the current work of daily kite flights, a report on the sounding-balloon ascensions made in Western States in 1909, 1910, and 1911 has been completed and given publication as part 4, Volume IV, of the Mount Weather Bulletin for 1911. These ascensions were made, it may be remembered, for the purpose of exploring the air strata mostly between 3 and 15 miles

above the earth's surface. Up to 3 miles above the surface of the earth independent explorations of the atmosphere have been extensively carried on by means of kites and captive balloons at Mount Weather, Va., and Blue Hill, Mass., in this country, and at many places in the British Isles and on the Continent of Europe. The conditions existing above the 3-mile level form an international problem in the solution of which the meteorological services of practically all civilized countries are engaged. The report already mentioned includes a discussion of the records of 138 sounding-balloon ascensions, 79 of which were made by the Mount Weather Observatory and the remaining 59 by the Blue Hill Observatory, thus uniting in one publication all of the high-level meteorological observations made in the United States. On the whole, this report forms the most important contribution to the meteorology of the higher atmosphere thus far made at Mount Weather. The atmospheric conditions at extremely high levels, as disclosed by these records, are not wholly in accord with the conditions found to exist at similar levels above the Continent of Europe, where the upper levels of the atmosphere have been more thoroughly explored. It is evident that in the United States only a good beginning has thus far been made in the exploration of the upper levels of the atmosphere, and that the phenomena observed and discussed in the report need further confirmation before we can consider them as being founded on sufficient observational data.

TEMPERATURES ON MOUNTAIN TOPS AND IN ADJACENT VALLEYS.—Studies of temperature conditions on mountain tops and in the adjacent valleys at Mount Weather and elsewhere have been continued and the results have appeared in the Mount Weather Bulletin. In general, these studies have tended to fix the relation between the prevailing weather conditions and the amount and quality of change of temperature to be expected in the valleys below. Indirectly, the data secured by these studies have an important bearing on the question of air drainage, and consequently on the protection of fruit in the valleys below.

SOLAR RADIATION INVESTIGATIONS.—The gradual extension of this work is continually demanding new and improved instruments, consequently considerable time is devoted to developing and testing apparatus. The Mount Weather Observatory now has the following equipment for the measurement of the intensity of solar radiation and the polarization of sky light:

One Callendar pyrheliometer, exposed horizontally above the roof of the physical laboratory.

Two Callendar pyrheliometers, one with the glass cover removed, and both mounted equatorially and clock driven, and shielded from diffuse sky radiation by means of diaphragmed tubes.

One Leeds & Northrup recording Wheatstone bridge.

Three Marvin pyrheliometers having different types of thermal elements, with auxiliary apparatus.

One Smithsonian silver disk pyrheliometer.

One Ångström pyrheliometer, reserved for comparative readings.

One Ångström pyrheliometer with absorption screen.

Two Pickering polarimeters.

Two Savart polariscopes.

Measurements of the polarization of sky light, of the positions of the neutral points of Arago and Babinet with the sun near the horizon, and of the intensity of solar radiation, have been made at Mount Weather throughout the year whenever atmospheric conditions permitted, except when the observer was absent from station on other duties. Polarization measurements were obtained on 63 days and radiation measurements on 73 days. These measurements are employed in studies of atmospheric transmissibility, which not only varies with the weather conditions from day to day, but also varies from year to year, on account of causes not yet well understood.

Since May 16, 1912, a continuous record has been maintained by means of the horizontally exposed Callendar pyrheliometer and one of the recording bridges, of the intensity of the radiation received from the sun and sky upon a horizontal surface. By means of the other recording

bridge and one of the equatorially mounted Callendar pyrheliometers occasional records have been obtained of the intensity of direct solar radiation. At the same time the intensity of direct solar radiation has been measured either by a Marvin pyrheliometer or the Smithsonian silver disk pyrheliometer, or both. Comparisons of the records of the two automatic instruments give measurements of the intensity of the radiation received diffusely from the sky upon a horizontal surface. Comparisons of the records from the equatorially mounted Callendar pyrheliometer and the measurements by the Smithsonian silver disk pyrheliometer indicate a difference between the Smithsonian and the Callendar standards. However, the comparisons, at least, make it possible to express all the measurements in units of the same value.

Continuous records were obtained by means of a horizontally exposed Callendar pyrheliometer throughout the year at Madison, Wis., and until April 22, 1912, at Washington. The intensity of direct solar radiation was occasionally measured at Washington by means of an Ångström pyrheliometer, and at Madison, Wis., throughout the year whenever atmospheric conditions would permit, and after November 10, 1911, at Lincoln, Nebr., by means of a Marvin pyrheliometer. Preparations had been practically completed for the installation of a Marvin pyrheliometer on the Government reservation at Santa Fe, N. Mex., in April, 1912. The removal of the Weather Bureau office at Santa Fe from the Federal building necessitated delay and a change in plans, but the pyrheliometer will probably be installed at the present office in Santa Fe before the close of 1912.

The measurements of the intensity of direct solar radiation made at Madison, Wis., during the two years ending with June, 1912, have been prepared for publication in the Bulletin of the Mount Weather Observatory. The most interesting feature of these results is the high intensity measured each year during the months of February, March, and April. Some measurements of the intensity of radiation reflected from cloud surfaces, obtained at Madison and Mount Weather, have been prepared for publication in the Bulletin, and also some measurements of sky polarization and the intensity of both direct and diffuse radiation, made at Mount Weather during the dense haze that prevailed on June 10 and 11, 1912. Radiation measurements not only give definite information with regard to an important climatological element, but after we once learn to interpret them they must also serve as valuable integrating measurements of atmospheric conditions at all levels.

The effect of smoke upon the climate of cities constitutes a problem in atmospheric transparency that received attention by the Weather Bureau during the year. The results will be published by the University of Pittsburgh, in connection with the results of other studies of the smoke problem.

PLANS FOR THE COMING YEAR AT MOUNT WEATHER.—So far as the aerial work at Mount Weather is concerned, it is proposed to modify the plan heretofore followed to the extent of not attempting to obtain a kite or balloon flight on each day regardless of the weather conditions, unless there is a type of weather over the station which it is desired to explore. The time so saved will be utilized in work on other problems of the atmosphere which relate less directly to the forecast work of the service. A beginning has been made on one of these problems, namely, the nucleation of the atmosphere at the low temperatures and pressures which prevail at the higher levels. It is hoped to continue kite flights throughout the 24 hours on selected dates, with a view of studying the diurnal temperature wave in the atmosphere, a beginning in which has already been made.

It is our purpose to utilize the equipment at Mount Weather in the study of such other problems in the practical work of the service as may be susceptible of laboratory treatment, and also to undertake photometric measurements of the intensity of sky light under different atmospheric conditions. Aside from the economic value of such measurements, they will be of meteorological interest because of their close relation to radiation intensity and atmospheric transparency.

MOUNT WEATHER BULLETIN.—The Bulletin of the Mount Weather Observatory has continued to show the results of the important work done at that station. Its last volume,

with index, completed on June 15, 1912, includes four regular quarterly parts and two extra parts, of which No. 4, the "balloon number," gives a complete summary of all work done during 1904–1911 in the United States with sounding balloons. This volume also includes a summary by Dr. Blair of all the daily kite flights during the three years July 1, 1907, to June 30, 1910. In addition to these extensive summaries of results by flights from kites and balloons the Bulletin has included several special memoirs by Profs. Henry, Humphreys, and Kimball. Prof. A. C. Crehore and Capt. G. O. Squier, of the Army Signal Office, have contributed a paper on the recording of minute changes of pressure by a special form of barograph. The bureau is indebted to the kindness of Mr. J. W. Sandstrom for the memoir published in the Bulletin, Volume III, part 6, "The relation between atmospheric pressure and wind," which has attracted wide attention. A second memoir, dealing specifically with the wind phenomena of mountains and seacoast, has been prepared by the same authority and will appear in full in the next volume of the Bulletin. The remarkable success attending Prof. Stoermer's study of the aurora borealis was fully explained in the third volume of the Bulletin. His complete report as now published shows that this subject must be taken up by his methods and by American observers if we would contribute to our knowledge of atmospheric electricity over the Western Hemisphere. Of the original contributions to the science and literature of meteorology made during the year by Prof. W. J. Humphreys, of the scientific staff of the Weather Bureau, several discuss the physical interpretation of certain luminous and other phenomena of the upper atmosphere. One paper, "Holes in the air," is of special interest to aviators, since it discusses in some detail a number of distinct atmospheric conditions that render flying dangerous, and also shows when and where they are most likely to occur and how best to avoid them. Another paper discusses at length one of the most difficult problems of meteorology—the phenomenon of the 12-hour periodic variation of the barometer. It is believed that the contributing causes of this phenomenon, of which there seem to be at least three, have been found and that this "meteorological mystery," as it has been termed, is at last substantially solved.

SCHOOL OF INSTRUCTION.

The duties of assistant observer at the 200 stations of the weather service outside of Washington are largely technical in character, and require on the part of the employee a knowledge of instruments and of methods of tabulating the results therefrom that can be obtained only by actual experience. It may be safely said that a new employee does not become really useful until he has had at least three months' experience under the guidance of a trained observer. If he is given immediate station assignment, the quality of the instruction that he will receive will depend largely on the kind of work performed at his station. Certain classes of work, such as the making of weather maps and the taking of observations, are common to all parts of the country, but as a rule the general character of work is largely determined by the size and geographic position of the city in which the station is located. Thus, under local training alone, the instruction given a new employee is neither uniform nor complete unless he has made the round of all sorts of stations. It has therefore been decided to give new employees a systematic course of instruction in all branches of the work performed at any station, wherever it may be located. This is to be done at Mount Weather. Two rooms in the physical laboratory building have been set apart for the purpose, and all the paraphernalia of a fully equipped Weather Bureau station have been procured and properly installed. The aim will be to give the employee under instruction the actual practical experience necessary to fit him for the duties required of him later in his term of service. The observation station will be conducted in precisely the same manner and under the same general instructions as a regular station of the bureau. Meteorological observations will be made and prepared for transmission by telegraph. Copies of telegraphic reports received from the central office in Washington by mail will be translated and the results spread upon weather maps, and the new employees will be instructed in the several methods of map making and the preparation of the plates from which weather maps are printed. A course in the construction and upkeep of meteorological instruments will also be afforded, so that each new employee may be able not only to interpret the indications of meteorological instruments, but also to discover and remedy faults that may arise in them.

FORECASTS AND WARNINGS.

The forecasting of the weather and temperature conditions for the various States for 36 to 48 hours in advance, the dissemination of special warnings of heavy snows, cold waves, frosts, and other unusual atmospheric conditions for the continent, the display of warnings of the coming of destructive storms over the Great Lakes, along the Pacific, Atlantic, and Gulf coasts, and over West Indian waters for the benefit of shipping, the issue of daily forecasts of wind and weather conditions likely to be encountered by trans-Atlantic steamers in passing from the north Atlantic ports to the region of the Grand Banks, have been successfully carried on by the bureau as in former years.

In the forecast room at the central office is prepared each morning a synoptic chart of pressure and weather conditions over the Northern Hemisphere. This chart is based on reports received from foreign meteorological services and from Weather Bureau stations in the United States, Alaska, Hawaii, and the West Indies. The world-wide survey of atmospheric conditions presented by these charts is not only indispensable to the forecaster in his daily forecast work, but has also made possible accurate predictions of the general weather and temperature conditions over the United States for a week in advance. All pronounced changes from the prevailing types of weather conditions, whether from dry to wet, or wet to dry, and all reversals in temperature conditions have been successfully announced to the public through these weekly forecasts, which are given widespread publicity by means of the various press associations.

During the year the field of observations over the Northern Hemisphere was materially extended. Reports are now being received from Dutch Harbor, in the Aleutian group of islands, by wireless, and daily reports from Nemuro in Japan and Shanghai in China come over the Manila cable. Additional daily observations by cable are also being received through the Russian meteorological service from Vardo, Astrakan, Tashkend, Nertchinsk, and Yakutsk.

PROPOSED WEATHER SERVICE FOR THE NORTH ATLANTIC OCEAN.

The Chief of the Weather Bureau visited England and took part, from June 4 to July 6, 1912, in the International Radio-telegraphic Conference. As a result of his intercessions, which were indorsed by all of the delegates of the United States, the conference agreed to an international regulation which shall give weather observations the right of way over all messages except distress calls. This is an important regulation and will make it possible in time to organize complete ocean weather services. With the cooperation of the various maritime nations, it is proposed to inaugurate in the near future a weather service for the north Atlantic Ocean. The ocean will be divided into two zones by the thirty-fifth meridian of longitude west of Greenwich. Observations taken over the western zone will be forwarded to Washington either directly or by relaying from one vessel to another, and observations taken within the eastern zone will be forwarded in like manner to Europe. Charts based on these reports will then be constructed and the dangerous storms located. While many of the observations will be repeated from ship to ship and thence to land stations, on account of the comparatively limited radius of the transmitting apparatus on vessels, it is expected that information regarding the location and movement of dangerous storms will be transmitted to all vessels within the western zone at the same instant from some one of the high-power stations on our Atlantic seaboard. The value of such a service to life and property on the ocean can be faintly realized when it is considered that warnings to the shipping of the entire Atlantic, especially to tramp and other vessels that can not so well stand severe weather, will enable them by a slight change in their course to avoid the dangerous quadrants of the more severe storms.

An interesting and valuable extension already inaugurated in the weather service is the receipt daily, morning and evening, by aerial telegraphy of reports from vessels at sea off the middle and south Atlantic coast and in the Gulf of Mexico and Caribbean waters. With the further perfection of the wireless telegraph service, these reports will become of increased importance.

Among the more striking weather features that were successfully forecast during the year are the following: The cool weather following the prolonged hot wave in July, 1911; the hurricane

of August along the Georgia-North Carolina coasts, the freezes in the west Gulf States in November; the severe freeze in California during December; the record-breaking cold wave of January, 1912; and the heavy snowfalls in the Middle West during the winter of 1911–12.

BREAKING UP OF THE HOT WAVE OF JULY, 1911.

During the early part of July and for some time previous the weather has been unusually warm over the eastern half of the country. The breaking up of this heated period was indicated in the following bulletin, issued July 12:

For a prolonged period the barometric pressure has been above normal over the Atlantic Ocean and low over the northwestern portion of the American continent. The international weather map of Wednesday showed a reversal of this pressure distribution—an extensive area of high barometric pressure appearing over Alaska, while the pressure over the middle latitudes of the Atlantic Ocean has fallen to below normal. This changed pressure distribution is strongly indicative of the dissipation of the warm weather over the eastern States and the Middle West in the immediate future and the beginning of a period of moderate temperature in those districts lasting through the remainder of this and continuing into next week.

The cool weather announced in the bulletin overspread all parts of the country east of the Rocky Mountains on July 13 and 14, and on the night of the 16th light frosts formed in the cranberry marshes of Wisconsin. The following editorial comments on this forecast are extracted from the daily press:

Hannibal (Mo.) Courier-Post:

That the theory of meteorologists as to the immediate cause of the long-continued heat in this country is correct is demonstrated by results. They claimed that an extensive area of high barometric pressure had prevailed over the Atlantic since June 13 and that its effect was to interfere with the usual eastward movement of waves of temperature, damming up the heat, as it were. About July 8 this wall disappeared and the effects were soon manifested. The heat wave moved eastward and cool currents followed.

St. Louis (Mo.) Globe-Democrat:

It has been six days since the head of the Government Weather Bureau predicted the end of the long heat wave. His prediction has been so signally vindicated this time that it is worthy of special note, for great are the responsibilities and numerous the unavoidable embarrassments of the Weather Bureau, chiefly because human knowledge of the elements is still elementary compared to what we may expect it to be at the end of the next 100 years. On July 12 Chief Willis L. Moore said (quoting the forecast before given): "This," said the weather chief, "would bring a long-continued cool spell." The spell is here, and has been since Saturday last.

AUGUST, 1911, HURRICANE ALONG THE GEORGIA-NORTH CAROLINA COASTS.

A storm of small diameter and hurricane intensity passed inland from the south Atlantic Ocean slightly north of Savannah, Ga., about 8 a. m. August 28. On the morning of the 27th advices were sent to Savannah and Charleston as follows:

Advise caution locally until further advices. Indications of a disturbance approaching coast.

Storm warnings were ordered for the two stations mentioned at 10.55 a. m. of the 27th, and the following message was sent them at 3.30 p. m. of that date:

Hoist hurricane warnings 3.45 p. m. Storm still apparently off South Carolina and Georgia coasts; intensity unknown. May develop hurricane force. Advise all interests to take necessary precautions.

Shipping interests along the entire coast were fully advised. The storm was not so destructive at Savannah as at Charleston, although it passed nearly over the former city. The following editorial regarding the warnings appeared in the Savannah (Ga.) News of August 30:

A word of appreciation and thanks is due to the Weather Bureau for its warnings of the coming of the storm. There was more than 12 hours' notice—all that might be expected. The warning bulletins were in positive language. There was no guesswork. It sometimes occurs that the Weather Bureau makes a mistake, but it always errs on the safe side. It gives property interests the benefit of the doubt.

NOVEMBER, 1911, FREEZES IN THE WEST GULF STATES.

The warnings issued in advance of the two severe freezes in the west Gulf States in November, 1911, enabled sugar, orange, and truck growers who were prepared to act on advices from the Weather Bureau to protect crops to the value of several millions of dollars, which would have

otherwise been lost. Sugar planters protected their cane by windrowing. By smudging their orchards, orange growers not only protected the trees from damage, but saved the ripe fruit on the trees. Truck growers covered, smudged, or flooded their crops. The following editorial regarding the warnings and the benefits derived therefrom appeared in the New Orleans Times-Democrat of December 3, 1911:

It is impossible as yet to determine definitely and accurately the damage and loss to the Louisiana cane crop caused by the two recent freezes. It is unquestionably heavy, but how heavy we will not know until a careful examination has shown the condition of the cane. It is believed that it will be possible to determine this point in the next few days, and that we will then know within a few thousand dollars how much Louisiana has lost by the two unexpected and early freezes of last month.

Louisiana, and New Orleans in particular, has counted with great confidence on its sugar crop. The acreage was larger than usual; the cane, although a little backward, was in good condition and promised an exceptionally large tonnage to the acre; and finally, sugar is commanding a better price than for years past. A profit on the crop of between $7,000,000 and $10,000,000 over last year was looked for; and the circulation of that money promised activity in every line of business.

Suddenly and unexpectedly there descended on the sugar belt the freeze of November 13. It was one of the earliest freezes ever known in this section, and caught the planters unprepared, when they had only just begun their grinding. Fortunately the freeze continued only a few hours, so that the loss was not as heavy as it would otherwise have been. Two weeks afterwards, on November 27, came another freeze, more far-reaching, more severe, and far more damaging. It is the uncertainty as to the amount of the damage that renders it impossible to figure out the exact loss.

If we look back to the old records, before the Government established the Signal Service or Weather Bureau, we will find that the damage from premature freezes of this kind brought overwhelming ruin to the cane crop, and that in many years the crop was injured three-fourths and more. The planters had nothing to guide them as to the weather, no notice of the coming of a freeze until it was on them. To-day, because we know more of the weather, the loss is not likely to be over 15 per cent.

It is difficult to appreciate how much these weather forecasts mean to the cane growers, for perhaps no crop is in greater danger from sudden changes than sugar cane. Both of the recent freezes were sudden. The wind which carried the cold wave of November 13 to the sugar belt was blowing 40 to 50 miles an hour. It was impossible, therefore, to predict the freeze more than 40 hours in advance; but these 40 hours given the sugar planters to prepare were invaluable and saved Louisiana from millions of dollars of loss. The second freeze was predicted, or rather announced, two days in advance of its arrival and gave the planters ample time to get ready for their enemy. These warnings saved the greater part of the crop, and were valuable not only for the present, but for future years, for they enabled the planters to save the seed cane. But for that we would have had to reduce our cane acreage next year.

The county correspondents of the Louisiana Planter furnish some valuable information on this point. Thus from Iberville we learn that a majority of the planters heeded the warning at once, began to windrow the moment the Weather Bureau informed them that a cold wave was on its way here, and they thus saved their crop.

In Assumption a number of planters did not believe the warning, and will lose heavily in consequence of their failure to windrow. But the strongest evidence comes from Lafayette, where the Planter's correspondent remarks:

"Fortunately the United States Weather Bureau gave timely warning of the coming freeze, and those planters who had standing cane were able to put it in windrows before the cold blast struck the county. A few, however, were caught, not fully appreciating the warning and trusting to luck that, after all, Uncle Sam's prediction as to destructive cold approaching might not come true. It is therefore quite certain that there will be some further loss, not only of standing cane, but of that exposed in heap rows."

Probably next time they will give better heeding to these warnings. The weather reports have vindicated themselves and proved their value; and with this protection and notice property utilized by the planters, the cane crop will be better protected against sudden changes in weather conditions and the cane crops made more certain. The Weather Bureau in its predictions, especially as far as freezes go, has made great progress in the last few years, and we may hope for still further improvement as the science of meteorology progresses.

The following letters tell further of the use made of the warnings.

From W. W. and J. A. Ventress, Granada plantation, Sunshine, Iberville Parish, La.:

The warning issued on the 28th of November has been of very valuable service to us, as it enabled us to windrow our cane, thereby saving almost all of the crop. The cane now in windrow is as good as the day it was put down, and we are still finding good eyes in the cane, which we find may serve for seed cane. We hope that the Government will continue this service and that we will be able to get the warnings promptly as heretofore.

From R. S. Moore, Riverside orange grove, Naomi, Plaquemines Parish, La.:

This is the first time I have had the opportunity of writing you to thank you for the very valuable weather warnings of the freezes of November 30 and December 1.

I received your forecasts in plenty of time to prepare against any loss, and I am happy to say that I saved $4,000 worth of fruit. I have always considered the Weather Bureau as most important to farmers and fruit growers, and this last freeze, in which I was timely warned, proves its great value.

DECEMBER, 1911, FREEZE IN CALIFORNIA.

A very severe frost and freeze occurred in southern California during the early morning hours of December 26 and 27, 1911. The citrus crop, valued at $40,000,000, suffered damage to the amount of about $6,000,000, owing to inadequacy of facilities for general smudging. Wherever smudging was general, not only the fruit, but the trees and blooms as well, were saved. But for the frost warnings of the Weather Bureau and the cooperative efforts of the orange growers the loss would have approximated $20,000,000. Mr. A. F. Call, of Corona, Cal., writes in appreciation of the warning as follows:

The frost warning sent me about 4 p. m. December 25 enabled me to get ready in some orchards not then prepared and to save crops worth at least $10,000. Where smudging was done, it was a complete success.

COLD WAVE OF JANUARY, 1912.

The following weekly forecast was issued December 31, 1911:

There will be stormy weather the coming week over the North Atlantic steamer routes, the British Isles, and northwestern Europe.

In the United States wintry weather will be general during the greater part of the coming week. A marked change to colder weather will overspread the region east of the Mississippi River within the next 36 to 48 hours, with the line of freezing temperature extending southward to the Gulf and South Atlantic States and to northern Florida. Unseasonably cold weather will continue the next several days in the Middle West, the Southwest, and the Rocky Mountain region.

A storm that is now over the upper Lake region will move down the St. Lawrence Valley during Monday, attended by snow in the region of the Great Lakes, the upper Ohio Valley, the interior of New York, and New England; it will be followed by clearing weather elsewhere east of the Mississippi River during Monday. The next disturbance of importance to cross the United States will appear in the Far West Monday or Tuesday, cross the Middle West Wednesday or Thursday, and the Eastern States Friday; this disturbance will be preceded by a reaction to normal temperature, be attended by general snows in northern and rains in southern districts, and be followed by decidedly colder weather.

During the week following the issue of this forecast a general cold wave swept the country, and the lowest temperatures for several years were reported from the upper Mississippi Valley and the upper Lake region. Much suffering was caused by cold weather from the Plains States eastward to the Atlantic coast.

The following from Mr. A. Mitchell, jr., general agent of the Chesapeake & Ohio Railway Co., Lexington, Ky., dated January 13, 1912, refers to warnings of heavy snow issued by the Weather Bureau:

We wish to thank you very much for the forecasts we received from your department, especially for the information given us during the past 10 days. They have not only enabled us to protect and safely handle many shipments of perishable commodities, but your forecasts, both as to the severe weather and the snows, enabled us to protect in advance especially at our shops and at our terminal yards, where we have a great many switches, to such an extent as to keep the invariable interference to the safe movement of transportation down to a minimum.

The following is an extract from an editorial that appeared in the Pittsburgh Gazette-Times of February 24, 1912, regarding the warnings issued in connection with the storm of February 21 and 22, 1912, which swept the Atlantic seaboard:

A striking illustration of the important part played by the Government Weather Bureau was furnished by the warnings issued in connection with the recent severe storm along the Atlantic coast. Shipping interests were advised in ample time that high winds of almost hurricane proportions were on the way. In many cases small vessels remained in port until after the danger was past. Ships at sea were warned by wireless and were able to prepare for the big blow. It is impossible to estimate the protection to life and property afforded by this up-to-date, efficient service. The instance mentioned was of a rather unusual and even spectacular nature, but every day in the year the Weather Bureau, from headquarters at Washington and through its employees throughout the country, is making careful observations, receiving and exchanging reports and issuing bulletins and warnings to shippers of perishable goods, railroad and marine interests, and others directly concerned with impending changes in meteorological conditions.

RIVER AND FLOOD DIVISION.

RIVER AND FLOOD SERVICE.

A new river district comprising the watershed of the San Joaquin River, formerly a portion of the Sacramento (Cal.) district, was created on March 1, 1912, with headquarters at Fresno, Cal. Greater promptness and efficiency of service, without any material increase in cost of operation, will result from this division. Owing to a change in the classification of the station at Moorhead, Minn., the river work of that district was transferred to the station at Devils Lake, N. Dak., on April 1, 1912. The change will not involve any increase in expense.

One cooperative and 28 paid river stations were established during the year and 10 paid stations were discontinued. Three paid rainfall stations were established and 4 discontinued. On June 30, 1912, river and rainfall observations were made at 483 regular Weather Bureau and special stations, of which 16 are cooperative stations. Rainfall observations were made at 93 special stations, of which 12 are cooperative stations.

No extensions of moment are contemplated during the coming year. A new district center will be opened on July 1, 1912, at Fort Wayne, Ind., with territory comprising the watershed of the Maumee River. As the new district is now a portion of the Columbus (Ohio) district, no additional expense will be involved beyond that necessary for two new special stations.

The river forecast schemes for the Ohio River and its tributaries were completed during the year and are now in use. Schemes for the interior rivers of the State of Ohio were also completed, and the scheme for the Savannah River is nearing completion. It is proposed to take up the study of the Mississippi soon, with a view to the preparation of similar schemes for that river.

Floods were frequent and widespread during the year, the rivers of the Pacific Coast States alone escaping on account of deficient precipitation. March was the month of greatest flood frequency. Nearly every stream east of the Rocky Mountains was in flood at some time during the month, except those along the immediate eastern slopes and in the northern and eastern Lake region. The floods were due to an excess of precipitation, ranging from 2 to 4 inches, falling upon saturated soil south of the Ohio River and upon frozen ground to the northward. Some floods were due to ice, but they were confined to the northernmost tier of States, and were not of great importance. The greater floods were caused by a remarkable series of storms that moved northeastward from the extreme Southwest over the Ohio Valley to the north Atlantic coast. Storms of this type are invariably accompanied by heavy rains, and when they are separated by intervals of a few days only floods are inevitable.

The flood in the lower Mississippi River was the greatest in its history. All high-water marks were exceeded from Cairo to the Passes, except in the vicinity of Vicksburg, Miss., where extreme conditions were moderated by crevasses in the levees above. The floods began in March, but did not reach their maximum at New Orleans until May 11; at the end of June, flood waters were still flowing through the Hymelia Crevasse, 32 miles above New Orleans. Of the 30,000 square miles of territory subject to overflow, about 17,600, or 59 per cent, were flooded. The losses will exceed $75,000,000, and may possibly reach $100,000,000, of which much the greater portion represents the loss of the season's crops. In its forecasts of the flood stages and in its warnings of impending danger to the people of the threatened districts the Weather Bureau maintained the high plane of accuracy that has characterized its work during all the great floods of the Mississippi River since that of 1892. The forecasts and warnings were prompt, conservative, and accurate, and through them many lives were saved. As to the value of property saved through the warnings, it is difficult to arrive at a correct estimate, but from such reports as were obtainable it appears that $16,000,000 is a reasonable figure, and later reports may increase this amount. The first warning for the flood was issued on March 20, the last on June 8, and at the beginning of April it was announced that the floods would be the greatest in the history of the lower Mississippi Valley. The forecast for the river at New Orleans was issued nearly five weeks in advance of the occurrence of the crest stage, and its absolute accuracy was

a triumph of forecasting skill. The press of the country has paid ample tribute to the work of the Weather Bureau in connection with the flood.

A report on the Mississippi flood, now in course of preparation, will be prepared jointly by the Department of Agriculture, the War Department, and the Interior Department. Each department concerned will deal only with such features as come within its particular province, and the combined report will be submitted to the President of the United States.

Although overshadowed by the lower Mississippi calamity, floods were of frequent occurrence elsewhere, except during November and December, and were forecast with the usual timeliness and accuracy. The river and flood service work in the Wisconsin Valley in October, in southern Michigan in April and May, and in the southern rivers generally during the spring months is deserving of special mention.

Persistent effort has been made to secure accurate data regarding the loss from floods. It is naturally impossible to obtain exact figures, and estimates are at times difficult to obtain. The total flood losses reported during the year were about $86,000,000, of which, however, only about $11,000,000 were incurred outside the lower Mississippi Valley. These figures are far from complete, and it is reasonably certain that if losses along small streams were reported and more detailed statements were obtained from the lower Mississippi Valley the total would be brought up to at least $100,000,000, as against a total of less than $8,000,000 for the year ended June 30, 1911. The total value of property saved through the Weather Bureau flood warnings was estimated at $19,000,000.

MOUNTAIN SNOWFALL WORK.

The measurement of the amount of snowfall in the mountain regions of the West was continued during the year. On June 30 there were 271 paid stations and 1 cooperative station in operation. During the year 1 cooperative and 7 paid stations were established and 17 paid stations were closed.

The measurement of mountain snowfall in winter is made for the purpose of determining the amount of water that is likely to be available for agricultural and commercial purposes during the spring and summer seasons. The work is still in a formative state, but experiments with the special apparatus devised by Prof. Marvin have, in the main, proved satisfactory; and if funds can be provided for the purchase and installation of a supply of Marvin snow gages and apparatus sufficient for all the stations, it is thought that the work can be placed on a permanent basis and that acceptable forecasts of water supply can be made each spring over the various watersheds. Opinion regarding this subject is strengthened by an inspection of the results of the special snow surveys in the watershed of Maple Creek, Utah. The forecast based on the survey and measurements made in the spring of 1911 was of much value to the water users, and a second survey and measurements made in the spring of the present year promise equally valuable results.

FORESTS, CLIMATE, AND STREAM FLOW.

The work of the forest experiment station at Wagon Wheel Gap, in the Rio Grande National Forest, Colo., has made satisfactory progress. It will be remembered that this station is maintained jointly by the Weather Bureau and the Forest Service for the purpose of studying the effect of forests upon stream flow and climate. There had been some fears that the precipitation at such great elevations (9,200 to 11,000 feet above sea level) and in a supposedly semiarid region would not be sufficiently heavy to afford a basis for legitimate comparison with data obtained from the more humid regions of the East; but now that complete data for nearly two years have been obtained, it appears that these fears were more or less unfounded. The total precipitation for 1911 at the principal station of observation was 23.80 inches; over watershed A, 26.88 inches; over watershed B, 27.33 inches; and at the summit or head of both watersheds, 28.56 inches. These data compare favorably with those from other portions of the

country and indicate that the final results will permit of more general application than at first supposed.

The cooperative stations in the Coconino National Forest in Arizona and in the Fremont National Forest in Colorado were also continued during the year, and limited equipment was provided for additional stations in the Kaniksu National Forest in Idaho, the Manti National Forest in Utah, the Cloquet National Forest in Minnesota, and the Plumas National Forest in California. Data from these stations will be available for study in connection with the more elaborate and complete data from the station at Wagon Wheel Gap.

DIVISION OF OBSERVATIONS AND REPORTS.

This division supervises the observational work of the bureau and the preparation of maps for the forecaster. It has charge of the dissemination of forecasts and storm warnings both on the land and on the ocean, and of frost warnings for the farming, trucking, fruit, and cranberry interests. It has supervisory control of station and commercial maps, and of the placing of glass maps, bulletin boards, and kiosks. It also has full charge of the marine meteorological work of the bureau and of the Hydrographic Office, comprising the collecting of all observational reports and the issuing of ocean meteorological charts based on those reports; the radiotelegraphic service used for transmitting observations, the dissemination of forecasts to and charting of reports from vessel weather stations, and the vessel-reporting service on the Atlantic, Pacific, and Gulf coasts and the Great Lakes.

At the close of the year there were 197 regular observing and 3 repair stations in operation. Of the 197 stations, 167 take two observations a day, 22 take one observation in the morning, and 8 take one evening observation daily. These observations are telegraphed to Washington and over circuits to other stations, for use in making the daily weather and commercial maps and in preparing the forecasts and frost warnings issued to the public.

SPECIAL METEOROLOGICAL STATIONS.

In addition to the 197 regular observing stations, there are 75 special meteorological stations, with paid observers in charge. Fifty-two of these are maintained as adjuncts to the work of the forecaster in making special frost predictions for the fruit and trucking interests of Oregon, Washington, Utah, Idaho, Colorado, North Carolina, California, and Florida, and precipitation predictions for the vineyard interests of California. Eight stations are in operation in the cranberry bogs of Wisconsin, Massachusetts, and New Jersey, these interests being looked after by the officials in charge of the stations at Chicago, Boston, and Atlantic City, respectively. Six special stations in Alaska telegraph evening observations daily to aid in the general forecast work of the service; these reports are of special value in making the weekly weather forecasts. One additional station in Alaska is used as a distributing center in connection with ocean meteorological work, while the reports from eight special stations in the West Indies, rendered from July 1 to November 15, are of great value to the forecaster in connection with the prediction of tropical storms during the hurricane season.

Of the 158,636 observations due from the 272 stations during the year, only 1 was missed, and that through an accident to the observer. Seven were taken from 15 to 30 minutes late, eight from 30 minutes to 1 hour late, and fourteen from 1 to 2 hours late. In most instances these delays were unavoidable. No better evidence than this could be advanced in illustration of the excellent discipline of the observers and of the spirit of promptitude and devotion to duty that animates the entire service.

In addition to the paid meteorological stations, there are 33 cooperative stations that render reports in connection with the special interests of their respective sections; of these, 2 are special meteorological stations, 22 are special fruit-district stations, 1 is a special cranberry-marsh station, and 8 are West Indian stations.

No regular Weather Bureau stations of the first order were opened during the year. Four special meteorological and 22 fruit stations were established. This special fruit-district station

service is being rapidly developed in connection with special investigations carried on under the direction of the officials at Chicago, Raleigh, Portland (Oreg.), San Francisco, Salt Lake City, Grand Junction, Jacksonville, and Columbus (Ohio).

In the mountain orchard districts of North Carolina study is being made of the thermal belts in the Blue Ridge Mountains. After a careful inspection by Weather Bureau officials from Chicago and Raleigh, accompanied by Mr. Hutt, State horticulturist of North Carolina, the following places were selected for the establishment of stations:

Asheville, N. C., with 4 substations.
Blantyre, N. C., with 3 substations.
Blowing Rock, N. C., with 4 substations.
Globe, N. C., with 2 substations.
Gorge, N. C., with 3 substations.
Mount Airy, N. C., with 3 substations.
North Wilkesboro, N. C., with 3 substations.
Transon, N. C., with 2 substations.
Tryon, N. C., with 3 substations.
Waynesville, N. C., with 2 substations.

Each of these stations is equipped with an instrument shelter, a thermograph, and maximum and minimum thermometers. In addition, the home station has a rain gage, a sling psychrometer, and an extra minimum thermometer exposed outside the shelter. The instruments at the home station are read once daily, while those at the substations are read weekly, the observations being continued throughout the year.

These stations are variously located along the slope of the mountains up to 4,000 feet above sea level, the range between the elevation of the home station and the highest substation being about 1,000 feet. A further extension of the service in North Carolina is planned for the coming year.

Under the Portland (Oreg.) center are grouped seven localized centers for fruit frost investigation and distribution of frost warnings:

1. In the Rogue River Valley around Medford, Oreg.
2. In the Umpqua Valley around Riddles, Oreg.
3. In the Stuck River Valley around Tacoma, Wash.
4. In the Yakima Valley around North Yakima, Wash.
5. In the Snake River Valley around Lewiston, Idaho.
6. In the Boise Valley around Boise, Idaho.
7. In the Hood River Valley around Hood River, Oreg.

Medford, in the Rogue River Valley, is the key station for that district, with the three cooperative stations at Ashland, Jacksonville, and Grants Pass, Oreg., taking observations during the frost period, or when specially called on. Observations are taken at Medford throughout the year. Riddles, Oreg., in the Umpqua Valley, is the distributing center for warnings for that section. The service in the remaining valleys has the same general system of reporting stations, working in conjunction with a central station, from which warnings are distributed to the surrounding fruit interests liable to be injured by expected frosts or low temperatures.

The supervision of five special fruit-district stations around Los Angeles was transferred to the San Francisco district during the past year. The San Francisco center now has charge of the fruit-district stations of the northern and central counties and the citrus fruit districts of the south. It is hoped soon to provide for a material extension of this service into the fruit districts of the San Gabriel, Santa Clara, San Joaquin, Sacramento, and Bay Valleys. Experiments with improved heaters are needed, so as to utilize the warnings to the fullest extent. Plans are being made for experiments with coverings for plant protection.

The experiments in protecting fruit from frost by the use of canopies, begun at Provo, Utah, two years ago, have been continued by the Weather Bureau official at Salt Lake City, who has extended them so as to include the covering of trees with three different kinds of cloth, and taking the temperature observations both inside and outside the coverings. He is planning to continue these experiments during the coming year, and to extend his studies to include the protection of vegetables and alfalfa from frost.

The frost-warning service has been continued in the Grand River Valley and extended to include the Gunnison Valley. Paid stations were established at Delta, Paonia, and Montrose,

Colo., taking observations during May and June of this year only. Observations from these stations were telegraphed to Grand Junction and forecasts from Denver were amplified and distributed to the fruit interests. Special frost warnings were also sent to Hotchkiss.

Some frost-protection work was done in the vineyard districts of Ohio during the year by the official in charge at Columbus, in cooperation with the State agricultural experiment station. A further extension of the service is planned.

The frost-warning service for the protection of trucking and citrus fruit in Florida was continued without material change by the Weather Bureau official at Jacksonville.

Requests for the establishment of additional special meteorological stations in investigating frost protection were received during the year, but the lack of funds prevented further extensions. Dr. J. R. Guerrant desired a station at Callaway, Va., for conducting investigations in the Blue Ridge orchards. The Oregon Agricultural College requested assistance in frost investigations in the Umpqua Valley. The Appalachian Apple Orchards Co., of Atlanta, wanted a station at Tallula Falls, Ga., and from Mosier, Oreg., Inman, S. C., Legerwood, N. C., and Grossnore, N. C., similar requests were received.

The special service for the protection of cranberries from frost in the bogs of the Cape Cod district is now well organized. Special stations report to Boston, from which point frost warnings are distributed to the cranberry interests. These bogs are the most extensive in this country, and the cranberry growers rely upon the warnings of the Weather Bureau in making preparations for the protection of their crops from frost.

Special cranberry stations are maintained in Wisconsin at Berlin, Mather, and Grand Rapids, under the supervision of the Chicago center. The Wisconsin State Cranberry Growers' Association has warmly expressed its appreciation of the work of the bureau in that State.

The station at New Lisbon, N. J., has been continued during the year for the protection of cranberries of that district.

At Seaview, Wash., a cooperative station was established under the Portland, Oreg., center for investigation into the frost conditions of the cranberry bogs.

Special stations conducted for the benefit of the cotton, corn, wheat, sugar, and rice interests will be described later.

FORECAST DISTRIBUTION.

Weather forecasts are issued daily from Washington, Chicago, New Orleans, Denver, San Francisco, and Portland (Oreg.). From these centers the forecasts are telegraphed to 2,059 regular Weather Bureau stations and forecast distributing centers, from which points the forecasts are made available by telegraph and telephone to 5,465,032 subscribers and others, and by rural free delivery and mail to 120,050 places. In addition to this, special frost and emergency warnings are sent to 6,100 addresses. There was an increase of 89 in the number of places receiving the forecasts at Government expense, while the distribution by free telephone was increased nearly a million, and by mail forecast cards, 2,500.

Distribution of daily forecasts and special warnings.

State.	At Government expense.			Without expense to Government by—				
	Forecasts and special warnings.	Special warnings only	Emergency warnings only.	Mail.	Rural delivery.	Telephone.	Railroad train service.	Railroad telegraph.
Alabama	24	7	136	1,450	337	43,907	0	10
Arizona	8	1	0	122	0	4,661	0	0
Arkansas	24	9	102	845	562	48,460	0	11
California	84	25	10	2,600	54	0	0	0
Colorado	9	63	41	1,124	1,080	84,300	0	1
Connecticut	5	0	72	2,116	50	75,000	140	0
Delaware	8	1	16	150	300	4,865	0	27
District of Columbia	0	0	0	1,285	0	20,000	0	0
Florida	34	107	52	1,367	225	22,201	0	240
Georgia	49	32	239	1,835	600	58,669	0	161

Distribution of daily forecasts and special warnings—Continued.

State.	At Government expense.			Without expense to Government by—				
	Forecasts and special warnings.	Special warnings only.	Emergency warnings only.	Mail.	Rural delivery.	Telephone.	Railroad train service.	Railroad telegraph.
Idaho	12	0	0	285	200	18,782	0	0
Illinois	113	47	226	3,135	3,264	586,125	0	1
Indiana	93	2	74	2,659	510	239,890	0	0
Iowa	139	8	455	1,850	2,057	243,059	0	0
Kansas	92	2	175	1,721	785	135,383	0	0
Kentucky	69	32	99	1,773	100	54,400	0	0
Louisiana	76	22	48	637	0	32,136	0	18
Maine	11	1	58	1,190	180	24,000	0	0
Maryland	15	49	46	2,248	285	7,900	0	281
Massachusetts	13	13	78	3,158	110	150,000	80	0
Michigan	59	1	0	4,680	719	430,732	181	407
Minnesota	73	3	171	2,384	1,839	159,599	0	13
Mississippi	47	7	59	1,361	1,434	24,900	9	6
Missouri	27	2	236	5,539	0	391,050	0	1
Montana	12	19	13	428	0	19,500	0	5
Nebraska	71	9	205	2,188	420	210,702	0	0
Nevada	5	0	0	57	0	1,200	0	0
New Hampshire	15	0	44	693	775	14,980	15	0
New Jersey	20	17	105	1,484	265	39,064	0	179
New Mexico	8	2	0	135	0	10,500	0	17
New York	109	49	409	9,358	661	735,352	0	118
North Carolina	60	59	187	1,310	1,500	35,000	0	0
North Dakota	25	3	93	500	1,800	15,000	0	150
Ohio	70	147	237	7,291	323	450,000	0	0
Oklahoma	30	1	0	680	343	3,965	0	160
Oregon	10	7	0	492	218	13,000	0	0
Pennsylvania	76	42	315	6,475	1,393	491,700	0	452
Rhode Island	1	0	14	221	0	2,560	13	0
South Carolina	32	11	105	935	375	33,376	0	39
South Dakota	51	9	70	875	7	46,000	0	2
Tennessee	47	3	222	1,867	2,863	65,741	0	0
Texas	85	65	227	1,347	773	201,305	0	0
Utah	6	26	0	212	325	34,106	1	0
Vermont	12	0	54	906	425	22,475	12	0
Virginia	56	6	84	1,730	1,797	26,882	0	44
Washington	22	21	0	847	400	3,551	0	0
West Virginia	34	8	55	994	0	50,969	0	0
Wisconsin	106	6	309	2,653	1,184	67,330	0	0
Wyoming	12	2	13	320	0	6,935	0	0
Total	2,059	946	5,154	89,512	30,538	5,462,212	451	2,343

STORM-WARNING DISPLAY STATIONS.

Eighteen storm-warning display stations were established on the ocean and lake coasts during the past year, and six stations of this class were discontinued.

Storm warnings were discontinued for the winter on the Great Lakes December 6, 1911, and resumed April 25, 1912.

The usual advance arrangements have been made for the dissemination of hurricane warnings on the Atlantic and Gulf coasts by the displaymen, by rockets, messages, and other suitable means. The following special instructions, issued on September 28, 1911, indicate the action authorized to be taken at the storm-warning centers in order to make these warnings of the greatest possible value in the protection of life and property:

When an order to hoist the hurricane warning is received at any station every effort will be made to give the warning the widest possible distribution, especially among vessels in the harbor and persons occupying isolated or dangerous points that can not be communicated with by telegraph or telephone. Vessel masters will be notified that it is dangerous to leave port. In the distribution of such warnings officials in charge of stations are hereby authorized to incur any reasonable expense, such as hire of boats, tugs, horses, automobiles, and special messengers, not to exceed $200 for any one occasion, without special telegraphic authority. A telegraphic report of such measures, with a statement of the expense incurred, will promptly be made to the central office.

The following statement gives the number of stations, arranged under district centers, receiving storm warnings:

District centers.	Paid stations.	Cooperative stations.	Weather Bureau stations.	Naval wireless stations.
Alpena, Mich.	5	0	1	0
Atlantic City, N. J.	0	4	1	1
Baltimore, Md.	3	1	0	0
Block Island, R. I.	1	0	1	0
Boston, Mass.	25	11	2	5
Buffalo, N. Y.	12	1	1	0
Cape May, N. J.	1	0	1	0
Charleston, S. C.	5	1	1	0
Chicago, Ill.	25	3	1	1
Cleveland, Ohio.	10	1	1	0
Corpus Christi, Tex.	2	0	1	0
Detroit, Mich.	0	1	1	0
Duluth, Minn.	7	0	1	3
Eastport, Me.	0	1	1	0
Erie, Pa.	1	0	1	0
Escanaba, Mich.	2	0	1	0
Eureka, Cal.	0	1	1	1
Galveston, Tex.	5	7	1	1
Grand Haven, Mich.[1]	0	0	1	0
Grand Rapids, Mich.[1]	0	0	1	0
Green Bay, Wis.[1]	0	0	1	0
Hartford, Conn.[1]	0	0	1	0
Houghton, Mich.	3	3	1	0
Jacksonville, Fla.	8	14	1	1
Key West, Fla.	0	2	2	1
Los Angeles, Cal.	1	3	1	0
Marquette, Mich.	1	0	1	0
Milwaukee, Wis.	9	0	1	0
Mobile, Ala.	4	4	1	0
Nantucket, Mass.[1]	0	0	1	0
New Haven, Conn.	3	0	1	0
New Orleans, La.	3	2	1	0
New York, N. Y.	4	6	1	2
Norfolk, Va.	6	5	4	1
Oswego, N. Y.[1]	0	0	1	0
Pensacola, Fla.	3	0	1	0
Philadelphia, Pa.	3	1	1	0
Port Huron, Mich.	3	1	1	0
Portland, Me.	3	2	1	0
Portland, Oreg.	10	4	5	1
Providence, R. I.	1	0	1	0
Rochester, N. Y.[1]	0	0	1	0
San Diego, Cal.	0	3	1	1
Sandusky, Ohio[1]	0	0	1	0
San Francisco, Cal.	2	9	4	3
San Juan, P. R.	0	2	1	2
Sault Ste. Marie, Mich.	5	0	1	0
Savannah, Ga.	4	1	1	1
Tampa, Fla.	2	6	1	0
Toledo, Ohio.	0	1	1	0
Washington, D. C.	2	0	1	0
Wilmington, N. C.	3	3	1	0
Total.	187	104	63	25

[1] Not centers.

SMALL-CRAFT WARNINGS.

A new warning for the protection of small craft, such as those engaged in fishing, towing, motor boating, and yachting, from danger from moderately strong wind was designed during the year, and nine small-craft cooperative stations were established. A red pennant, displayed during the day only, is flown to warn these interests.

STATION WEATHER MAPS.

The policy of publishing the commercial weather maps in the daily papers in order to give the reports and information furnished by the Weather Bureau wider distribution than obtainable by any other means has continued during the year. At its close there was a net increase of 20 papers publishing the map, as compared with the number for the previous year. The commercial map is now published at 106 cities and towns, in 147 papers having a total daily circulation of 2,904,704. This large distribution is entirely without expense to the Government except for the preparation of the original casts, and means the placing of weather information before the reading public at a great saving of funds that can be utilized in the extension of the bureau's work in other directions.

Daily weather maps are issued direct from 59 stations, with a total daily circulation of 20,550. Since the publication of the commercial map was begun, the station map has been discontinued at 51 stations.

Glass weather maps were installed during the year at Chicago, Evansville, New York, Tampa, Peoria, Fort Wayne, and San Antonio, and are now changed daily in 59 places at 45 stations. The usual points of display are cotton exchanges, fruit and produce exchanges, chambers of commerce, boards of trade, maritime exchanges, and customhouses. The high value attached by commercial organizations to this elaborate means of portraying general weather conditions is evidenced by the following extracts from letters received:

From the secretary of the Tampa (Fla.) Board of Trade:

> I have not written you before to acknowledge the receipt of the large glass weather map, which has been installed on the first floor of the board of trade building, as I desired to wait a week and see what interest the public took in this excellent method of showing the weather of the United States daily. I expected in the winter time when we have 10,000 tourists in Tampa that the map would be surrounded all day long by our friends from the North, but I did not expect such an interest in it during the summer time. The map is so attractive that it commands attention, and it is located just back of a plate-glass window, and each day there are hundreds who stop to study the weather conditions as stenciled on the map.
>
> I wish to assure you that the board of trade appreciates your efforts to have this map installed here; and I also know that the public appreciates it and it will go a long ways toward acquainting the public with the maps in the papers, as the weather map is done in colored chalk.

From the secretary of the Savannah (Ga.) Cotton Exchange:

> Full information of the weather that prevails all over the cotton belt and the forecast of what may be expected to come is not only valuable information but is highly important to the trade; we are very anxious about the forecast, and the large glass weather map is now the most popular point of the exchange, and the map is surrounded by a crowd while it is being made up.

From the Secretary of the Evansville (Ind.) Business Association:

> The large glass weather map is a great attraction, and it has proved so interesting to a great many of the business men that they come to the association rooms daily to observe the weather conditions throughout the country, and also to carefully study the map.

From the secretary of the Vicksburg (Miss.) Cotton Exchange:

> You can not imagine how important a center our glass weather map is just now. Planters, Government engineers, and business men consult it many times a day, especially in regard to the weather and its effect on the present high water.

In other cities blackboard maps and bulletin boards are changed daily in 13 places at 11 stations. New bulletin boards were installed during the year at Evansville and Kansas City.

MARINE WORK.

OCEAN METEOROLOGICAL CHARTS.

The meteorological charts of the oceans, prepared by the Weather Bureau, are distributed to mariners, maritime exchanges, and meteorological institutions throughout the world, and their receipt is frequently acknowledged with assurances of their value to the interests served. The charts are also furnished by request to many schools, colleges, public libraries, and meteorological societies.

The meteorological charts for the north Atlantic, north Pacific, and Indian Oceans and for the Great Lakes are published monthly, while those for the south Pacific and south Atlantic Oceans are issued quarterly. The charts contain on the face a statement of all the meteorological elements of the oceans, together with the sailing routes of vessels, lines of magnetic variation, and the location of the radio-telegraphic stations of the world, and of the storm-warning stations of the United States and other countries. During the past year articles have appeared on the reverse side of the north Atlantic and north Pacific charts on water-surface temperature, air temperature, and ocean currents for each month. Similar data are in course of preparation for publication on the south Atlantic and south Pacific charts.

The meteorological data used in the preparation of these charts are collected from the vessels of all nations and the land and island stations of all countries bordering on the ocean. The observers forward their reports through the local offices of the Weather Bureau or, when in foreign ports, through the American consular offices. The American consuls at all the principal ports are furnished with a full supply of meteorological forms, and act as agents for the Weather Bureau in their distribution. During the past year 2,291 vessels, representing 24 different nationalities, have cooperated with the Weather Bureau and furnished monthly reports of observations. Reports are also received from 261 land stations, making a total of 2,552 cooperative observers. This work is entirely gratuitous, the only return given being in the form of meteorological charts and other publications issued by the bureau. These cooperating vessels furnished 12,600 meteorological reports during the year, which have called for 3,259 letters of acknowledgment from the Washington office. Reports received through the marine centers are acknowledged by those centers, and often in person, as our agents visit the vessels upon their arrival in port. Three thousand barometer cards, containing comparative barometer readings, have been received and corrected, and tags giving the corrections of the barometers have been furnished each vessel.

The bureau maintains marine centers at 23 seaport towns on the ocean and Gulf coasts and 19 on the Great Lakes, at which points meteorological charts and supplies are distributed to the cooperating vessels. At New York, Boston, Philadelphia, Seattle, and New Orleans assistants are specially assigned to visit vessels, instruct the observers, make comparisons, and furnish general information. The official at Seattle has supervision over the meteorological work of all vessels entering Puget Sound.

The following are extracts from letters commendatory of the charts:

Mr. V. le Toumelin, of the French steamship *Cacique:*

> I have been sending reports five years, and am too glad to receive your charts and rely on them.

Capt. W. A. Haughton, R. N. R., commander of the steamship *Persia:*

> I can not express to you how valuable these charts are to a seaman, and beg to compliment you on the production of such valuable aids to safe navigation.

Acknowledgment is due to the meteorological services of other countries for furnishing reports on ocean meteorology and other special data. The bureau is also indebted to Mr. H. C. Thomson for valuable information relative to the fogs of Newfoundland and the higher latitudes of the north Atlantic Ocean. Mr. Thomson has made a study of the subject in connection with the contemplated establishment of a railway through Newfoundland and a northern steamship route to Europe.

VESSEL WEATHER SERVICE.

On April 1, 1912, the bureau inaugurated on the Atlantic and Gulf coasts a vessel weather service on 30 vessels sailing between New York and New Orleans and points in the West Indies and South American ports. This special service on 23 of the vessels was placed under the supervision of the official at New York and on 7 under that of the official at New Orleans. The vessels were equipped with aneroid barometers, and the observer on each takes two observations daily, one at 7 a. m. and the other at 7 p. m., seventy-fifth meridian time, when the vessel is 75 miles from the port of departure or port of entry, and radiographs them to the nearest wireless station

on the coast, from which point they are sent over the land lines to Washington. For this service the observers are paid 50 cents for each observation. The transmission of the messages from the vessels and their transfer to the land line stations is done without cost to the bureau, through cooperation by the naval wireless, Marconi, the United Wireless, and the United Fruit radiotelegraph service, to which companies thanks are extended for the many courtesies shown. The steamers cooperating in this work are operated by the United Fruit Steamship Co., the New York & Cuba Mail Steamship Co., the Mallory Steamship Co., and the Panama Railroad Steamship Line.

Vessel weather service has also been started on the Pacific coast on vessels of the Nippon Yusen Kabushika Kaisha, plying between the Orient and points on the Pacific coast. The Japanese Government offered to take up the work free of cost, except for land tolls, and has issued instructions to all its vessels to make reports to our officials at San Francisco and Portland.

At San Francisco the daily forecasts are distributed by the United Wireless at stated times each day to vessels at sea.

At San Francisco 321 vessel reports were received during the year, but the official states that most of the reports were of little value in connection with his forecast work. Reports from coastwise steamers were of interest to the public and were published in the papers. The maximum distance from which reports were received was 1,440 miles.

At Portland, Oreg., reports were received from 534 vessels, of which 176 were of benefit to the forecaster in connection with his work and 358 of only slight value. Forecasts made at Portland are sent over the Port Crescent Lines to Tatoosh Island, where they are delivered to the Naval Wireless station for distribution to vessels at sea and to points along the coast.

RADIOTELEGRAPH SERVICE.

The bureau is in close cooperation with the Naval Wireless, the United Wireless, the Marconi, and the United Fruit Telegraph services on the Altantic, Gulf, and Pacific coasts. Instructions have been issued to the stations of these services to forward immediately to Washington all weather information received, and special hours have been set aside for the broadcast dissemination of forecast messages and storm warnings over the ocean. Even when information relating to a disturbed condition of the weather at sea is contained in a private message, the operator at the radio station has been instructed to request the master of the vessel to make a weather report. The proposed extension of wireless weather service to cover the entire north Atlantic Ocean, through international regulation and cooperation, has already been referred to.

VESSEL-REPORTING SERVICE.

In addition to their meteorological duties, the officials at the stations at Block Island, Cape Henry, Sand Key, Southeast Farallon, Point Reyes Light, North Head, Port Crescent, and Tatoosh Island are required to report all passing vessels, wrecks, and marine disasters, and to transmit communications between masters, owners, underwriters, and others interested in marine matters. All of these stations are prepared to transmit messages by telegraph, and all except Block Island and Port Crescent are equipped for day signaling by the international code. Cape Henry and Sand Key are also equipped for night communication by flash light, Morse code.

Cape Henry uses the telegraph and telephone in reporting all vessels to Norfolk and Newport News. The names of the vessels passing that station are also furnished to the Norfolk press and the New York Maritime Exchange. All naval vessels are reported to Norfolk, and in some cases a report is made to the Navy Department at Washington. Vessels bound for Baltimore are reported to the Maritime Exchange of that city. The Virginia and Maryland pilot associations cooperate with this station. Cape Henry has a list of 100 associations, firms, and individuals to receive notice of passing vessels. A time flag is dropped at the station each day at noon for the benefit of the pilot boats and vessels in the offing. During the year 17 wrecks were reported to various ship companies, maritime exchanges, and individuals. The Cape Henry

office receives information of wrecks from the 25 life-saving stations between Cape Henry and Hatteras Inlet and from the wireless station at Hatteras, and reports by telephone to the revenue cutters and to wrecking companies, so that they may render immediate assistance.

Block Island sends reports to 12 firms and associations. Four wrecks were reported by this station during the year.

Sand Key transmitted orders for 72 vessels and gave notice of three casualties during the year. Ten firms and associations receive reports from this station.

Tatoosh Island reports all passing vessels through the main station at Port Crescent to Seattle, Portland, and San Francisco stations and through the Naval Wireless station to Victoria Wireless station.

Port Crescent reports passing vessels, casualties, etc., to 10 firms and associations in Seattle, San Francisco, Port Angeles, Wash., and Victoria, British Columbia.

The following extracts from reports received during the year furnish instances of special service rendered by these stations to vessels in distress:

Sand Key, Fla., January 29, 1912.—British schooner *Sea Gull*, Bonacco to Key West, went ashore at Sand Key, Fla. Cargo of bananas and 16 passengers from Grand Cayman. Revenue cutter, notified by this office, went to assistance and towed schooner into this harbor.

Tatoosh Island, Wash., June 22, 1912.—At 4.30 a. m., while taking a. m. observation, sighted the American brigantine *William G. Irwin*, bound from Roche Harbor, Wash., to San Francisco, Cal., with lumber and lime. She was lying just off Mukkaw Bay, about 5 miles south of station, an unusual position for a sailing vessel. A very light wind, almost calm, prevailed, and the incoming tide was carrying her slowly into the bay. A close watch was kept on her, and about 9 a. m., she ran up her ensign, evidently for assistance. I immediately requested the wireless station to get into communication with the revenue cutter *Snohomish* at Neah Bay and notify her of the *Irwin's* position, which they did. *Snohomish* proceeded at once to Mukkaw Bay and towed the *Irwin* to a safe offing. No damage. Commander of *Snohomish* reports that *Irwin* was fast setting in toward rocks when he arrived.

September 14, 1911.—Small fishing launch capsized while leaving anchorage at this point. Notified life-saving crew at Neah Bay and assisted in holding boat on beach until they arrived. Small damage to boat and no injury to persons.

Port Crescent, Wash., March 1, 1912.—The launch *Pearl*, with scow load of machinery, dragged her anchors and went ashore in Crescent Bay. The life-saving tug was at once notified. The *Snohomish* pulled the launch off at 2.30 p. m., without damage. The scow was unloaded on the beach and floated by the *Snohomish* several days later without damage.

North Head, Wash., August 2, 1911.—The schooner *Americana*, with a crew of 18 men and a cargo of 1,000,000 feet of lumber, bound from Astoria, Oreg., to Australia, nearly drifted ashore inside Tillamook Rock during a calm. She was saved from almost certain destruction by the action of the observer, who discovered her plight and sent an urgent call for tugs, which arrived in time to render the necessary assistance.

January 13, 1912.—At 9 a. m. the four-masted schooner *The Admiral*, bound from Valparaiso, Chile, to Grays Harbor, Wash., in ballast, turned turtle and drifted ashore, a total wreck. This station notified the life-saving crew at Fort Canby and the bar tugs at Astoria, Oreg., who rescued the crew from the jetty and attempted to save the vessel. The observer also kept the Portland marine interests posted over the Seacoast Telegraph Line.

The following is the number of vessels reported by each vessel-reporting station during the year:

Block Island	5	Sand Key	1,813
Cape Henry	19,876	Southeast Farallon	31
North Head	1,619	Tatoosh Island	2,459
Point Reyes Light	1,206		
Port Crescent	622	Total	27,631

CLIMATOLOGICAL DIVISION.

METEOROLOGICAL AND CLIMATOLOGICAL REPORTS.

The Annual Report of the Chief of the Weather Bureau for 1910–11 was prepared and printed, as were also the regular issues of the Monthly Weather Review. The demand for the separates of the Review has continued to increase, the edition of the several parts now amounting to 14,729 each month.

The issue of the National Weather Bulletin weekly during the crop-growing season and monthly during the remainder of the year continued as in past years. The demand for this bulletin has likewise shown a healthy increase, the edition now exceeding 4,000 copies.

The snow and ice bulletins issued during the past winter were of uncommon interest on account of the severe cold and the unusual amount of ice reported on the lakes and rivers. In view of this condition it was found advisable to continue its issue until the first week in April. Likewise the special report issued at Detroit during the early spring as to the condition of the ice on the Great Lakes was continued until the latter part of April because of the unusually late date at which the ice broke up.

Snow bulletins for the Mountain States of the far West were issued as in the past, additional effort being made to show the snow condition in more detail as a basis for forecasting the season's available water supply for irrigation and other purposes.

The monthly climatological reports and weekly bulletins for the Territories of Hawaii and Porto Rico, and for the State of Iowa in conjunction with the weather service of that State, were issued as usual. To meet the demands for prompt information as to the month's weather, especially the rainfall, several other section centers were authorized to print and distribute condensed monthly summaries for their states as early as possible. Annual summaries of the 44 sections were also published in full, and form a valuable addition to the series already issued.

Considerable work has been accomplished in the preparation of data for a bulletin on the winds of the United States, which it is hoped to complete before the end of the coming year.

During the year there has been a further increase in the number of requests for data, embracing all features of climate and coming from all portions of the United States as well as from many foreign countries. These requests were all promptly complied with as far as possible.

COOPERATIVE METEOROLOGICAL STATIONS.

Cooperative stations to the number of about 4,200 are now in successful operation, covering nearly every important locality in the United States and furnishing data by which to establish accurately the essential features of the climate of the districts represented. Now that the country is fairly well covered with these stations, it has been the policy not to extend the cooperative work save in a few important newly settled districts. Requests are being constantly received, however, asking for new stations and claiming that the local interests demand their establishment.

SPECIAL SERVICES.

The corn and wheat, cotton, and sugar and rice region services were continued, with slight increase in the number of reporting stations. Reports from over 400 regular and special stations are now being used in these services. In the corn and wheat region 12 central points issue daily a total of more than 1,000 bulletins, while 26 stations in the cotton belt issue more than 1,500 bulletins. These services are rapidly becoming more popular, as evidenced by the increasing circulation of the bulletins and the many and persistent demands that have been made for the extension of the cotton and corn and wheat services westward into the more newly settled territory.

The policy of combining under a single observer the work done for the bureau at points where two observers had heretofore been employed has been continued. Thirty-four such combinations were accomplished during the year, resulting in some saving in pay to observers, a decrease in telegraph tolls, and less work in the preparation and auditing of accounts.

INSTRUMENT DIVISION.

The routine work of the Instrument Division, comprising the issue and maintenance of the standard instrumental equipment at all stations, has been maintained in a thorough manner throughout the year.

SPECIAL INSTRUMENTAL EQUIPMENTS.

Early in July, 1911, the officials of the city of New York requested the Weather Bureau to take over and operate the Central Park Meteorological Observatory, founded and for many years maintained by Dr. Daniel Draper. This was promptly done, and, in order to carry on proper

comparisons between the Draper instruments and the standard types used by the Weather Bureau, a complete equipment of the latter was installed in August. Comparative records will be maintained for a year or more for the purpose of making as complete connection as possible between the old records and those that will be obtained in future.

Shielded rain and snow gages were installed for comparative observations at stations in the Denver section, under Mr. Brandenburg; at Yellowstone Park, under Mr. Gittings; and in the Utah section, under Mr. Thiessen. These officials have reported generally satisfactory results, together with suggestions for structural modifications to overcome difficulties experienced. In all cases the records of snowfall from these gages are 20 per cent to 25 per cent greater than obtained by the customary means. It seems advisable, therefore, to extend the installation of these gages as means and opportunity permit, having due regard to the suitability of the location and exposure and the probable permanence of the station.

Upon the request of the Chief of the Bureau of Animal Industry, Prof. Marvin, of the Weather Bureau, was detailed to recommend and specify a complete equipment for the protection from lightning of the buildings and structures at the Morgan Horse Farm, Middlebury, Vt. The work of installation was carried out by the farm workmen, and an effective system of protection provided at a small part of the ordinary cost of such work.

In furtherance of the active cooperation of the Weather Bureau with other departments of the Government, instruments have been installed at Priest River, Idaho, and Cloquet, Minn., for the Forest Service, and equipments have also been sent to the forest experiment stations at Ephraim, Utah, and Quincy, Cal., where they will soon be installed. In cooperation with the Bureau of Mines, instruments have been supplied and provisions made for collecting humidity and temperature data over central Illinois, to be used in the study of causes and prevention of mine disasters.

In connection with the extensive arrangements made during the year to observe and study the conditions attending frosts in orchards, equipments were placed at 39 points of observation at 10 different orchard stations in North Carolina. Less extensive provisions were made for similar observations at Grand Junction, Colo., Provo, Utah, and at a few stations in Oregon. Plans in hand for a general extension of studies in other important fruit sections will call for additional equipments.

Kiosks were purchased for 10 stations, and these are now in full operation, except at three stations where the work of erection is almost completed.

INSTRUMENTS FOR SPECIAL RESEARCH WORK.

The development of special apparatus for the measurement of solar radiation was extended during the year and equipments of the Marvin pyrheliometer were completed for use at Washington, Mount Weather, Madison, Lincoln, and Santa Fe, as earlier mentioned.

It has been known for a number of years that the velocities of the wind, as shown by the standard types of anemometers, are increasingly erroneous at velocities of 50 to 60 miles per hour and higher. As the exact evaluation of these indications can be determined only by comparatively elaborate investigations, Prof. Marvin was directed to take up this important problem. In accordance with his recommendations, two methods of investigation will be conducted. Preparations are already well advanced for making these tests by means of an anemometer whirling machine. This apparatus consists of a horizontal arm 30 feet in length, which revolves about a vertical axis and carries at its outer end the anemometer to be tested. Tests of a satisfactory nature can be obtained by this means at different velocities up to 70 or 80 miles per hour. The second method of testing will be carried out in a so-called wind tunnel. A large blower, or fan, will drive the air through a closed channel or duct producing conditions under which the velocity of the anemometers subjected to the current thus created can be measured accurately by well-known dynamic principles, as well as by the aid of special types of pressure gages. General plans for the equipment required are now in the hands of blower companies with a view to further development along lines of greatest efficiency and economy of power. With this apparatus the velocities will be carried beyond 100 miles per hour.

LIBRARY.

The additions to the library during the year numbered 1,204 books and separate pamphlets, bringing the total collection up to about 32,000. All additions were catalogued under author and subject. The cataloguing of the meteorological contents of scientific journals was carried on as usual.

The urgent need of more space for this branch of the office was met at the end of the fiscal year by the acquisition of two more rooms and the installation therein of modern steel shelving. There is thus provided a long-desired opportunity to relocate the books throughout the library; also to set aside space for a small reading room and a workroom. When the changes now in progress are complete, the Weather Bureau library will for the first time be installed in a manner corresponding to its importance as the principal collection of meteorological literature in this country.

Noteworthy books added during the year fall into two classes, viz, (1) Old books, obtained chiefly in connection with sales of large private libraries abroad; and (2) important publications of the current fiscal year.

Under (1) should be mentioned the extremely rare first edition of Wells's "Essay on Dew" (1814); the first edition of Howard's "Climate of London" (2 vols., 1818–1820); the first and second editions of Daniell's "Meteorological Essays and Observations" (1823 and 1827); Bravais's "Mémoire sur les halos" (1847); Dove's "Verbreitung der Wärme" (1852), and Foucher's "Traité des hygromètres" (1686).

Under (2) the following may be noted, not only as important additions to the library, but as, on the whole, the most noteworthy publications in the field of meteorology that have appeared throughout the world in the course of the fiscal year:

"Meteorology," by W. I. Milham (New York, 1912), aims at comprehensive scope and adaptability to classroom purposes. A. Wegener's "Thermodynamik der Atmosphäre" (Leipzig, 1911) contains many novel features, reflecting especially the recent discoveries and hypotheses of aerology; it is planned as the first of a series of books in which the author proposes to cover the whole field of atmospheric physics. "Dynamic Meteorology and Hydrography," volume 2, by V. Bjerknes and others (Washington, 1911), deals with kinematics, applying the elaborate mathematical methods of the first volume. "The Sun," by C. G. Abbot, director of the Astrophysical Observatory of the Smithsonian Institution, devotes much attention to the solar relations of the earth's atmosphere, and may be regarded as a successor to Young's well-known work bearing the same title. "Forecasting Weather," by W. N. Shaw, director of the British meteorological office, summarizes the progress during the past decade of English meteorology in the subject treated; it is virtually a continuation and revision with much enlarged scope of the classical work by Abercromby on this subject. A second edition, in German, of the International Meteorological Codex was published by the Royal Prussian Meteorological Institute (Berlin, 1911).

Aerology and aeronautical meteorology are increasingly prominent in recent literature. A second and final volume of F. Linke's "Aeronautische Meteorologie" (Frankfurt a. M., 1911) has appeared, and a companion work by the same writer on aeronautical climatology is promised. A. Zahm's "Aerial Navigation" (New York, 1911) devotes adequate attention to aeronautical meteorology. Other works in this field include J. S. Dines's "Second Report on Wind Structure," published by the British Advisory Committee on Aeronautics (London, 1911); P. Ludewig's "Die Messung vertikaler Luftströmungen" (Leipzig, 1911); and G. Jonas's "Methode und Tabellen für die Berechnung von Pilotballonaufstiegen" (Leipzig, 1911). However, the bulk of the recent literature on aerology, aeronautical meteorology, aerotechnics, and allied topics has appeared in the form of magazine articles which can not be enumerated here.

The subject of agricultural meteorology is attracting much attention. The International Institute of Agriculture has issued an elaborate report on the organization of work in this field in various countries (Rome, 1911). A large series of publications have been issued by the meteorological bureau attached to the Russian Ministry of Agriculture. P. Klein's "Météoro-

logie agricole" (Paris, 1911) is chiefly devoted to the general subject of meteorology, rather than its applications to agriculture. Phenology has made much more progress in Germany than elsewhere. A notable contribution to this subject was E. Ihne's "Phaenologische Karte des Frühlingseinzugs im Grossherzogtum Hessen," second edition (Darmstadt, 1911). In the United States the greatest share of attention has been given to the subject of frost and frost protection. This bureau published a bulletin on "Frost Data of the United States and Length of the Crop Season," by P. C. Day (Washington, 1911), and one on "Forecasting Frost in the North Pacific States," by E. A. Beals (Washington, 1912). Numerous bulletins on orchard heating were issued by the experiment stations, and this subject occupied a prominent place in the horticultural journals.

A work by C. Dorno, "Studie über Licht und Luft des Hochgebirges" (Braunschweig, 1911), is an example of elaborate modern methods of studying the radiation from the sun and sky and the normal electrical phenomena of the atmosphere as components of climate. In his "Characteristics of Existing Glaciers" (New York, 1911), W. H. Hobbs urges the importance of the polar continental ice caps as affecting the general circulation of the atmosphere. Hellmann and Elsner's "Meteorologische Untersuchungen über die Sommerhochwasser der Oder" (Berlin, 1911) is an exhaustive study on the relation of floods in the basin of the River Oder to barometric conditions. This bureau published a bulletin on "Stream Flow of the Ohio River at Cincinnati and Precipitation in the Watershed above Cincinnati," by J. W. Smith (Washington, 1912). Of more general application was D. W. Mead's memoir on "The Flow of Streams and the Factors that Modify it" (Madison, Wis., 1911).

Photographs of typical cloud forms appear in J. Loisel's "Atlas photographique des nuages" (Paris, 1911) and A. McAdie's "The Clouds and Fogs of San Francisco" (San Francisco, 1911).

The most remarkable addition to the literature of atmospheric optics was F. Busch & C. Jensen's "Tatsachen und Theorien der atmosphärischen Polarisation" (Hamburg, 1911), a monumental work on the subject treated. A useful and much-needed descriptive work on all the known forms of solar and lunar halos was published serially by L. Besson in "L'Astronomie" and subsequently reprinted in separate form, viz, "Les différentes formes de halo et leur observation" (Paris, 1911).

The psychological effects of weather and climate are discussed at length in W. Hellpach's "Die geopsychischen Erscheinungen" (Leipzig, 1911).

That meteorology is being widely introduced into the curricula of German schools is indicated by the fact that a work on the teaching of this science, "Der wetterkundliche Unterricht," by F. Linke & J. Clössner (Frankfurt a. M., 1912), went through three editions during the year.

The following climatological and climatographical publications may be noted: L. C. W. Bonacina, "Climatic Control" (London, 1911); F. Eredia, "Il clima di Roma" (Rome, 1911) and "Climatologia di Tripoli e Bengasi" (Rome, 1912); E. Grohmann, "Das Klima im Königreich Sachsen (Dresden, 1911); M. Hall, "The Rainfall of Jamaica" (Kingston, 1911); H. Hamberg, "Les pluies en Suède" (Upsala, 1911); A. Knox, "The Climate of the Continent of Africa" (London, 1911); and O. Rubel, "Das Klima von Baden-Baden" (Strassburg, 1911).

Arrangements were made during the year with the Library of Congress to take over "second copies" of copyright deposits in certain cases, in accordance with a general scheme recently inaugurated for the transfer of such material to Government libraries. However, very little of the available material has thus far been found to be of value to this bureau.

The policy noted last year of strengthening the libraries at Weather Bureau stations has been continued. A new undertaking in this connection was an arrangement made to supply the stations with the current files of important meteorological journals. A system of routes has been worked out, so that the Quarterly Journal of the Royal Meteorological Society is now seen regularly at all stations of the bureau and permanently deposited at the more important stations. Similarly, the Meteorologische Zeitschrift is now routed regularly to a number of stations where it can be used to advantage.

EXAMINATIONS FOR PROMOTION.

The total number of examination papers received and rated during the year was 352, as compared with 295 during the preceding year. Following is the record in detail:

Subject.	1911		1912		Total.	Passed.	Failed.
	August.	November.	February.	May.			
English grammar	11	16	13	18	58	39	19
Arithmetic	9	10	11	19	49	39	10
Elementary meteorology	7	16	10	16	49	42	7
Essay writing	11	11	9	14	45	30	15
Algebra	7	10	13	12	42	32	10
Physics	8	6	6	7	27	27	0
Trigonometry	9	6	6	11	32	29	3
Astronomy	3	3	3	6	15	14	1
Plant physiology	3	5	2	6	16	15	1
Advanced meteorology	1	5	5	8	19	17	2
Total	69	88	78	117	352	284	68

TELEGRAPH DIVISION.

Besides performing the routine daily telegraph work at the central office of the Weather Bureau, this division audits all accounts of the bureau for telegraph and telephone service, amounting to more than a quarter of a million dollars annually. The services performed by the various telegraph and telephone companies in collecting and distributing weather reports forecasts, and warnings have been satsifactory throughout the year.

Except for temporary interruptions, the several sections of the Weather Bureau telegraph and telephone lines were in continuous operation during the year. The cable of the Block Island-Narragansett section, extending from Block Island to Narragansett Pier, was broken about 4 miles from shore by the anchor of a passing schooner during a 60-mile gale on December 29, 1911. Repair work was begun on January 18, 1912, and two days later communication was restored between Block Island and the mainland. The total cost of repairs was $1,302.35.

Communication was interrupted at intervals on the Norfolk-Hatteras lines, but only one special observation was missed on account of line trouble. Since the substitution of cross arms for brackets at various points along this line its working condition has been materially strengthened and less line trouble has been experienced than heretofore. A new two-conductor cable was laid across New Inlet, N. C., October 8, 1911, replacing the worn-out and defective cable. Splice work on the Manteo cable during the year cleared it of long-standing trouble.

The Life-Saving Service has rendered valuable assistance in making minor and temporary repairs to the Weather Bureau line during the year.

The public receives marked benefit from the Weather Bureau line in this section through the transmission of meteorological observations, storm warnings, and vessel reports, as well as commercial messages. During the aviation meet at Kill Devil Hill in October nearly 50,000 words of press matter were sent over the seacoast line from Manteo to the various newspapers of the country.

The submarine cable from Key West to Sand Key, Fla., has worked satisfactorily throughout the year.

The operations of the Alpena, Thunder Bay, and Middle Island, Mich., section have been satisfactory, and no general repairs have been made during the year. These lines are of inestimable value to maritime interests through the display of warnings that is secured on Middle and Thunder Bay Islands, the most important points for that purpose on Lake Huron, and the benefits given by the Weather Bureau through their maintenance are appreciated by the vessel interests.

The seacoast telephone line between Point Reyes and San Francisco is in need of considerable repair. Funds have been authorized for the most urgent repairs, and the line will be placed in good condition during the coming year.

The line of the Port Crescent-Tatoosh section continues to be of great benefit to the shipping and fishing interests on Puget Sound. Our shipping reports are watched closely in Seattle, Tacoma, Port Townsend, and San Francisco, to which points are furnished three daily reports of weather and shipping and special reports of inbound shipping. Special reports of weather and of shipping bound for British Columbia ports are also furnished to Victoria, British Columbia. The opening of new salmon industries at Neah Bay, where about 2,000 fishermen, manning 350 or 400 fishing launches, make their headquarters during the salmon season, has largely increased the commercial business handled over this line.

The total line receipts collected during the year at stations on the seacoast telegraph lines were $2,998.49, which amount has been deposited in the Treasury of the United States.

PUBLICATIONS DIVISION.

This division has kept the stations fully supplied with the necessary blank forms, maps, and forecast cards, and continued the preparation and distribution of the Monthly Weather Review, the Bulletin of the Mount Weather Observatory, the National Weather Bulletin, the Snow and Ice Bulletin, the Washington edition of the daily weather map, and the Meteorological Charts of the Oceans.

There were published during the year 500 copies of Bulletin No. 39, "A Course in Meteorology and Physical Geography;" 2,500 copies of Bulletin No. 40, "The Relation Between the Precipitation Over the Watershed of the Ohio River Above and the Stream-Flow at Cincinnati;" and 2,500 copies of Bulletin No. 41, "Forecasting Frost in the North Pacific States." Also, there were reprinted 2,000 copies of Bulletin V, "Frost Data in the United States."

Binding was well advanced, including reviews and maps to date, and about 1,280 volumes nearly equally divided between the library and the Climatological Division, in both of which there had been large accumulations. The lithographic work was increased somewhat, chiefly by a larger issue of the Meteorological Charts of the Oceans and additional matter published therein.

DIVISION OF SUPPLIES.

In addition to its routine duties this division is charged with the purchase and inspection of all supplies for the central office and stations, including the preparation of specifications for articles not obtainable under the General Supply Committee's contracts.

Ten additional stations were equipped during the year with new stereotyping outfits for commercial map castings, making a total of 60 new outfits in actual use at the present time. This number does not include stations that were equipped with the old-style outfits prior to 1910 or stations where the commercial maps are produced by other processes.

With the assistance of the drafting room a new pattern for the outlines of the large glass maps was prepared in this division. This has added materially to their accuracy and general appearance. Detailed specifications for the construction and color scheme of these maps were also prepared, printed copies of which, together with blue prints of the new map pattern, have been supplied to such manufacturers as were invited to bid on furnishing and installing the maps. Through competition thus secured among art-glass manufacturers the average cost of glass maps has been reduced from about $350 to less than $200. Seven new glass maps were installed during the year—one each at Chicago, San Antonio, Seattle, New Orleans, Tampa, Evansville, and Fort Wayne.

OBSERVATORY BUILDINGS.

The new observatory building at Sand Key, Fla., which was completed early in December, 1911, is constructed of concrete, and has a foundation of concrete piles driven into the solid rock. It was designed and constructed to withstand the hurricanes that occasionally visit that region, the building that previously occupied the site having been destroyed by one of these storms.

The observatory building at Key West, Fla., which is to replace the one that was so badly damaged by the hurricane of October 11, 1910, as to make a new structure necessary, is well

under way and will probably be ready for occupancy by December 1. This building has a massive concrete foundation and a superstructure of terra-cotta tiles and concrete and is designed to withstand the action of wind and waves that accompany the hurricanes of that region.

The following table shows where the buildings owned by the Weather Bureau are located, the fiscal year in which they were erected, and the cost of the building and ground in each case:

Buildings owned by the Weather Bureau.

Location.	Erected.	Cost of ground.	Cost of buildings.	Total cost.
Abilene, Tex	1909	$2,000.00	$12,841.81	$14,841.81
Amarillo, Tex	1903	1,255.00	6,503.00	7,758.00
Anniston, Ala	1907	1,799.75	12,920.69	14,720.44
Atlantic City, N. J	1902	(1)	5,991.00	5,991.00
Bentonville, Ark	1906	500.00	5,119.90	5,619.90
Birmingham, Ala	1907	[2] 61.50	15,630.36	15,691.86
Bismarck, N. Dak	[3] 1899	(1)	10,085.99	10,085.99
Block Island, R. I	1904	1,034.50	7,668.25	8,702.75
Burlington, Vt	1906	[2] 20.00	10,043.50	10,063.50
Canton, N. Y	1909	[2] 1.35	14,135.20	14,136.55
Cape Henry, Va	1902	(1)	9,222.45	9,222.45
Charles City, Iowa	1907	3,036.75	9,338.47	12,375.22
Columbia, S. C	1905	3,799.00	9,165.00	12,964.00
Devils Lake, N. Dak	1904	2,209.05	7,431.50	9,640.55
Dodge City, Kans	1909	2,050.00	10,837.62	12,887.62
Duluth, Minn	1904	2,041.70	7,430.68	9,472.38
East Lansing, Mich	1909	[2] 11.35	12,781.04	12,792.39
Hatteras, N. C	1902	[1] [4] 217.00	4,889.75	5,106.75
Havre, Mont	1904	1,795.00	5,087.08	6,882.08
Iola, Kans	1907	2,241.25	9,730.94	11,972.19
Jupiter, Fla	1902	(1)	6,346.90	6,346.90
Key West, Fla	1903	2,020.00	[5] 14,844.50	16,864.50
Kittyhawk, N. C	[3] 1902	(1)	1,616.00	1,616.00
La Crosse, Wis	1907	3,523.50	12,276.24	15,799.74
Modena, Utah	1903	(1)	4,346.00	4,346.00
Mount Weather, Va:				
Administration building	1909	1,863.15	48,035.26	49,898.41
Machine shop and balloon shed	1904	650.00	8,167.00	8,817.00
Central heating and power plant	1909	(1)	11,964.74	11,964.74
Absolute building	[6] 1906	(1)	7,000.00	7,000.00
Variation building	[6] 1906	(1)	8,904.55	8,904.55
Stable	1903	(1)	1,900.00	1,900.00
Barn	1905	(1)	900.00	900.00
Cottage for workmen	[3] 1905	(1)	1,300.00	1,300.00
Physical laboratory	[7] 1909	(1)	37,521.51	37,521.51
Cottage and office	[8] 1909	(1)	11,246.34	11,246.34
Nantucket, Mass	1905	(9)	4,728.53	4,728.53
Narragansett Pier, R. I	1904	4,151.75	8,036.50	12,188.25
Northfield, Vt	1909	[2] 101.00	12,795.64	12,896.64
North Head, Wash	1902	(1)	3,820.13	3,820.13
North Platte, Nebr	1906	(9)	3,818.50	3,818.50
Oklahoma, Okla	1906	[1] 38.90	10,520.25	10,559.15
Peoria, Ill	1905	[1] 54.00	7,875.50	7,929.50
Point Reyes Light, Cal	1902	(1)	2,875.00	2,875.00
Port Crescent, Wash	1902	102.00	730.94	832.94
Richmond, Va	1909	[2] 8.75	15,489.01	15,497.76
St. Joseph, Mo	1909	5,040.95	16,882.80	21,923.75
Sand Key, Fla	1903	(1)	14,991.39	14,991.39
Sault Ste. Marie, Mich	1899	(1)	2,994.12	2,994.12
Sheridan, Wyo	1907	2,021.75	12,089.30	14,111.05
Southeast Farallon, Cal	1903	(1)	5,211.22	5,211.22
Springfield, Ill	1906	(1)	10,236.50	10,236.50
Tatoosh Island, Wash	1902	(1)	5,000.00	5,000.00
Washington, D. C	.....	(9)	174,950.76	174,950.76
Yellowstone Park, Wyo	1904	(2)	11,156.00	11,156.00
Yuma, Ariz	[3] 1903	(1)	1,500.00	1,500.00
Total	.....	43,648.95	688,825.39	732,574.34

[1] Government reservation.
[2] Donated; figures represent cost of title transfer.
[3] Remodeled.
[4] Additional ground purchased.
[5] Estimated cost of new building now in course of construction.
[6] Begun in 1905.
[7] Begun in 1903.
[8] Begun in 1907.
[9] Building and ground purchased as a whole.

Buildings rented by the Weather Bureau for living and observatory purposes.

Station.	Annual rent.	Other items included.
Alpena, Mich	$650	Heat, light, water.
Cape May, N. J	400	Water.
Clallam Bay, Wash	120	Do.
Del Rio, Tex	444	Heat, light, water.
Durango, Colo	318	Water.
Honolulu, Hawaii	1,020	6 rooms; heat, cleaner, light, janitor and porter service, electric current for fan, storage.
Independence, Cal	456	Water for domestic and irrigation purposes, and the trimming and care of all trees on the premises.
Kalispell, Mont	360	
Lewiston, Idaho	540	
Manteo, N. C	144	
Moorhead, Minn	420	7 rooms; heat, light, water.
Mount Tamalpais, Cal	420	Heat, light, water, and the free transportation of Government employees and supplies.
Pysht, Wash	144	Water.
Roseburg, Oreg	550	Heat, light, water.
Roswell, N. Mex	720	Heat, light, cleaner.
San Juan, P. R	300	5 rooms.
Thomasville, Ga	420	
Tonopah, Nev	840	
Twin, Wash	132	Water, and water-pipe system in building.
Winnemucca, Nev	480	Heat, light, water.
Total	8,878	

PERSONNEL OF THE BUREAU.

The numerical strength of the Weather Bureau at the close of the year was 9,992, as compared with 9,483 at the end of the preceding 12 months. Of the total number, 7,830, or more than 78 per cent, are cooperative observers who serve without compensation other than that received through the free distribution of Government publications. There were 440 more of this class of employees than at the close of the preceding year, due to the extension of the service in various ways, the greatest increase being in the number of cooperative marine meteorological observers.

The total number of commissioned employees at the end of the year, 808, was 32 more than at the close of the preceding year. The central-office force was increased by 11, much needed additional assistance having been provided for by an increase in the number of statutory positions in the appropriation bill for 1911–12. The field force was increased by 21 because of extensions of the service, mainly in the West and Southwest. The transfer of new assistant observers from the central office to Mount Weather, Va., for instruction nominally increased the force at the latter station. It was found possible to reduce the working force of five stations by one employee each, allowing a corresponding strengthening of the personnel at five other stations where the demands on the service had greatly increased.

The number of permanent appointments in the classified service, including transfers and reinstatements, was 122, or 46 more than during the preceding year. The temporary appointments numbered 58, or 31 more than in the previous year.

Mention was made in the last annual report of the difficulty experienced in retaining new assistant observers because of the low entrance salary ($720 per annum) and the temptation presented to young men possessing the requisite education and qualifications to engage in other employment giving more lucrative immediate returns. New assistant observers are now given promotion to $840 per annum after six months' satisfactory service. This has had the effect of materially reducing the number of resignations of that class of employees, and should enable the bureau to secure a better grade of men.

There were 276 promotions in the classified service during the year. All but one, which was a restoration to a position formerly held, were to the next higher grade or by civil-service certification for advancement from subclerical positions. The considerable increase of the

number of promotions as compared with the previous year was due partly to enlarged appropriations, which made possible the advancement of deserving employees, and partly to the transfer of many positions from the miscellaneous to the statutory roll on July 1, 1911, which required the immediate advancement of other employees following a vacancy in a higher grade.

In the classified service there were 59 voluntary resignations, 11 less than during the previous year. There were 5 forced resignations and 4 removals from the classified service compared with 9 and 12, respectively, during the previous year.

Of the 114 probationary appointees only 1 failed to complete successfully the six months' probationary period.

There were 9 reductions in the classified service; 7 for causes in no way reflecting upon the character or ability of the employees, and 2 because of physical disability.

In the unclassified service there were 2 permanent and 4 temporary appointments, 5 promotions, 1 reduction, and 1 resignation.

The absence record for the year shows that station employees took a little more sick leave than during the preceding year, while central-office employees took a little less. With respect to annual leave, the amount taken by station employees was practically the same as last year; at the central office, the male employees had an average of 3.9 days more and the female employees an average of 0.7 of a day less. For the entire service, the amount of sick leave was the same as during the previous year, and the average annual leave was 0.8 of a day more.

There were five deaths in the commissioned force during the year. Among these were Mr. Theodore F. Townsend, who died on February 22, 1912, and Mr. James Kenealy, who died on June 17, 1912. Mr. Townsend was an inspector of the Weather Bureau for a year and a half and chief of an important division of the central office for nearly a year. He also served at Norfolk, Va., and Cape May, N. J., and was for many years in charge of the Philadelphia, Pa., station and the Pennsylvania climatological service. Mr. Kenealy entered the service in June, 1876. He was for nearly 12 years in charge of the Cleveland, Ohio, station, and was a man of fine executive ability.

CHANGES IN THE FORCE OF THE BUREAU.

CLASSIFIED SERVICE.

Appointments:	
Probationary—	
Printer, at $1,000	1
Clerks, at $900	2
Copyists, at $840	2
Skilled artisans, at $840	4
Assistant observers, at $720	29
Copyists, at $720	3
Repairmen, at $720	3
Firemen, at $720	2
Messenger boy, at $480	1
Messenger boys, at $450	7
Skilled laborers, at $450	4
Messenger boys, at $360	56
	114
Permanent—	
Station agents, at $300	3
Student assistant, at $300	1
	4
By transfer—	
Clerk, at $1,200	1
Copyist, at $840	1
	2

Appointments—Continued.	
By reinstatement—	
Messenger, at $600	1
Messenger boy, at $360	1
	2
Temporary—	
Compositors, at $1,250	2
Printers, at $1,000	2
Clerk, at $900	1
Repairmen, at $720	4
Messenger boy, at $480	1
Skilled laborer, at $450	1
Messenger boys, at $360	46
Student assistant, at $300	1
	58
Promotions (all promotions except 1 were to the next higher grade or by certification for advancement from subclerical positions)	276
Reductions:	
Causes—	
To grant assignment to preferred station	4
As an offset to the bureau for allowance of quarters, fuel, and lights	1
To conform to provisions of appropriation bill	2
Physical disability	2
	9
Resignations:	
Voluntary	59
Required because of—	
Unsatisfactory service	1
Unsuited for Weather Bureau service	2
Disobedience of instructions	1
Physical disability	1
	64
Transferred to other bureaus of the Department of Agriculture	4
Removals:	
Causes—	
Neglect of duty	1
Absence without authority	1
Falsification of records and harsh treatment of subordinates	1
Insubordination	1
	4
Services terminated (student assistants)	2
Dropped from the rolls at termination of probationary period because of unsatisfactory service	1
Deaths	4

UNCLASSIFIED SERVICE.

Appointments:	
Permanent—	
Unskilled laborer, at $720	1
Charwoman, at $240	1
	2
Temporary—	
Unskilled laborers, at $450	4
Promotions (all to the next higher grade)	5
Reduction:	
Cause—	
Not competent to perform duties of higher grade	1
Resignation (voluntary)	1
Death	1

ABSENCE.

Average number of days per employee during calendar year 1911.

	Sickness.	Annual leave.
Station (99 per cent males)	1.9	6.9
Washington, D. C.:		
Males	3.5	27.3
Females	9.2	26.6
Entire service	2.4	12.0

STATISTICS OF THE SERVICE.

The following tables show the numerical strength of the bureau, and the highest, lowest, and average salaries paid in the commissioned grades:

Numerical strength of the Weather Bureau, June 30, 1912.

At Washington, D. C.:		
Classified	184	
Unclassified	12	
		196
Outside of Washington, D. C.:		
Classified	607	
Unclassified	5	
		612
Total commissioned employees		808
Additional employees outside of Washington, D. C.:		
Storm-warning displaymen	186	
River observers	406	
Cotton-region observers	104	
Corn and wheat region observers	124	
Rainfall observers	81	
Sugar and rice region observers	7	
Special meteorological observers	66	
Special cranberry-marsh observers	8	
Special snow and ice observers	4	
Mountain snowfall observers	271	
Marine meteorological observers	30	
Cotton-region and river observers	27	
Corn and wheat region and river observers	9	
Sugar and rice region and river observers	2	
Cotton-region and rainfall observers	19	
Corn and wheat region and rainfall observers	7	
Cotton-region and special meteorological observer	1	
Special meteorological and river observer	1	
Corn and wheat region and mountain snowfall observer	1	
Total noncommissioned employees		1,354
Total paid employees		[1] 2,162
Persons serving without compensation (except through the distribution of Government publications):		
Cooperative observers and correspondents (omitting 388 paid observers enumerated elsewhere)	5,119	
Cooperative storm-warning displaymen	105	
Cooperative river observers	16	
Cooperative rainfall observers	12	
Cooperative mountain snowfall observer	1	
Cooperative special meteorological observers	24	
Cooperative special cranberry-marsh observer	1	
Cooperative marine meteorological observers	2,552	
Total cooperatives		7,830
Total numerical strength		9,992

[1] This total embraces all paid persons connected with the bureau on June 30, 1912, except 13 commissioned employees absent on that date and who had been granted leaves of absence or furloughs without pay for one month or more.

Distribution of the commissioned force, June 30, 1912.

In Washington, D. C.:	
Accounts Division	[1] 15
Climatological Division	17
Executive branch	18
Forecasting	1
Instrument Division	11
Library	5
Division of Observations and Reports	27
Observatory	1
Publications Division	25
River and Flood Division	3
Supplies Division	[1] 11
Telegraph Division	12
Verification section	2
Drafting room (under direction of the chief clerk)	4
Heat, light, and power plant (under direction of the chief clerk)	7
Miscellaneous mechanical work (under direction of the chief clerk)	7
Watch force (under direction of the chief clerk)	5
General messenger and laborer service (under direction of the chief clerk)	25
Total	196
Outside of Washington, D. C.:	
53 stations with 1 commissioned employee	53
42 stations with 2 commissioned employees	84
52 stations with 3 commissioned employees	156
17 stations with 4 commissioned employees	68
17 stations with 5 commissioned employees	85
6 stations with 6 commissioned employees	36
4 stations with 7 commissioned employees	28
3 stations with 8 commissioned employees	24
1 station with 9 commissioned employees	9
3 stations with 10 commissioned employees	30
1 station with 14 commissioned employees	14
1 station with 25 commissioned employees	25
200 stations	[2] 612

In addition to the foregoing there are eight special observing (one man) stations in the West Indies, mainly in operation during the hurricane season, and a special repair station in Washington operated from October to April, inclusive.

The following salary table omits persons on duty at special observing and substations where the salaries are $25 a month or less, and where, as a rule, the tour of duty covers but a small fraction of the day and only certain seasons of the year:

Salaries paid in the commissioned grades.

	June 30, 1912.	
	Stations.	Washington, D. C.
Classified grades:		
Highest salary	$3,500	$6,000
Lowest salary	300	450
Average salary	1,047	1,193
Unclassified grades:		
Highest salary	720	720
Lowest salary	480	240
Average salary	552	540

Average salary of all (station and Washington) is $1,070.

[1] One employee devotes a portion of his time at one of the map stations at the United States Capitol.

[2] This represents the normal station force. On June 30, 1912, there were actually on duty 612 employees.

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PART II.

GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1911, WITH CHARTS.

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1911.

SUNSHINE, 1911.

DETAILS OF EXCESSIVE PRECIPITATION, 1911.

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REVIEW OF WEATHER CONDITIONS DURING THE YEAR 1911.

By P. C. DAY, Climatologist and Chief of Division, Weather Bureau.

The following summary of the weather for 1911 conforms largely with that appearing in the several numbers of the National Weather Bulletins issued by months during January, February, March, October, November, and December, and by weeks during the principal crop-growing period, April to September, inclusive.

The feature of the year's weather that stands out most prominently in its effects upon the well-being of the people during the year, and that will doubtless serve as a standard of comparison for many years to come, was the long and excessively heated period that prevailed over most of the districts east of the Rocky Mountains from the early part of May to the early part of July. During this period of slightly more than two months a series of hot waves of marked severity, for so early in the season, followed one another in such rapid succession as to produce an almost continuous period of heat not surpassed for intensity or duration in many years.

The effects of this continued heat were most pronounced over the more northern portions of the country where in the congested parts of the great centers of population the suffering was intense, and thousands of deaths resulted from the direct effect of the severe heat.

Lack of sufficient rainfall over much of the country during the same period, together with the extreme heat, threatened a serious curtailment of the great cereal crops and greatly retarded the growth and development of small fruits, vegetables, and grasses.

A change to cooler weather near the end of the first decade of July greatly ameliorated the suffering of human and animal life, and opportune rains about the same time proved so beneficial to growing crops that only in restricted areas was the output of the principal crops materially reduced over that of previous years.

In marked contrast with the heated condition over eastern districts referred to above, to the west of the Rocky Mountains the late spring and early summer were unusually cool; frosts occurred at unusually late dates and vegetation was backward. With the change to cooler weather in the eastern districts during the early part of July, warmer weather set in over the region west of the Rocky Mountains and more seasonable temperatures obtained during the balance of the season, but for the crop-growing season as a whole the temperatures over the more western districts were unusually low.

JANUARY.

Temperature.—A rather severe cold wave overspread the Northwest and moved into the southern and eastern districts during the first few days of the month. This cold was especially severe over the west Gulf States, including Texas, where even along the coast it was 10° or more below the freezing point, causing considerable damage, especially in southern Texas, and also in portions of Florida.

The weather continued cold over the interior and northern portions of the country until about the 15th, when warm weather set in, after which until the close of the month no severe cold occurred in any part of the country.

Precipitation.—The precipitation was generally light in the districts from the middle and southern Plains region eastward to the Atlantic, the deficiency in portions of Texas, Oklahoma, the lower Mississippi Valley, and South Atlantic and east Gulf States ranging from 2 to 4 inches.

Over the greater part of the Plateau region and in California there was generally more than the average amount of precipitation, especially in California, where the excess ranged from 4 to 8 inches or more, and thoroughly broke the long drought that had prevailed in that State.

Snowfall.—The snowfall was generally light over the districts from the Rocky Mountains eastward, and there was as a rule but little snow covering in the winter wheat districts.

In the Rocky Mountains and in portions of the Plateau district there was generally less snow than usual, but in the Sierra Ranges, especially in California, the snowfall was much heavier and the high ranges at the end of the month were covered to an unusual depth.

FEBRUARY.

Temperature.—No marked cold waves occurred during the early part of the month, but cold weather set in on the 19th and 20th over all districts between the Rocky and Appalachian Mountains.

This cold wave continued until about the 23d, and during that time extended to nearly all portions of the country, causing considerable damage over the southern districts, especially as the preceding weeks had been unseasonably warm and vegetation had advanced to an unusual extent.

After the above date warmer weather prevailed in most districts save in the Northwest, where the cold continued.

The month as a whole was comparatively warm throughout the central and most of the eastern districts, but was colder than the average over nearly all districts from the Rocky Mountains westward.

Precipitation.—The precipitation was unusually heavy over portions of the southern Plateau region and thence eastward over much of the country to the middle Mississippi and lower Ohio Valleys and northern portions of the Gulf States, and the severe drought that had prevailed over much of Texas was greatly relieved.

Rainfall was sufficient over much of the interior and southern portions of the cotton-growing States and over the greater part of the Atlantic coast districts, as well as in the extreme Northwest. The need of more rain was beginning to be seriously felt in portions of Florida and Georgia where but little moisture had fallen for several months.

Snowfall.—The snowfall was comparatively heavy in the Rocky Mountain regions and the accumulated supply in the high ranges had increased sufficiently to indicate a good supply of water for irrigation in the districts depending thereon.

Over the Sierra Nevada and adjoining ranges there was generally less than the usual amount of snow, but the heavy falls of the preceding month still remained largely unmelted, especially in California, thus assuring a plentiful supply of water for the coming crop season.

There was generally less snow over the eastern districts than usual, except in portions of the Lake region, and the greater part of the winter-wheat belt was unprotected during much of the month, although during the severest cold there was a moderate covering of snow in many portions.

MARCH.

Temperature.—With the opening of the month warm weather developed over the Northwest, the temperature increasing slowly over nearly all interior districts as the month advanced until about the 15th when a change to colder weather occurred over the Northwest. This cold area advanced eastward and became quite pronounced in the Middle and South Atlantic States, where the coldest weather since the preceding December occurred at many points, and frosts occurred in northern Florida.

Some cold weather occurred during the third decade, but as a whole the month was an unusually warm one throughout the entire interior portions of the country, the temperature averaging from 6° to 12° per day above the normal over much of the Great Plains and Rocky Mountain regions.

Precipitation.—There was a decided deficiency in precipitation over much of the country, the only section receiving a marked excess being near the coast of southern California, where the monthly amounts ranged from 2 to 7 inches above the normal.

Some good rains occurred over eastern and southern Texas where additional moisture was much needed, but there was a marked deficiency in the great central valleys and over much of the cotton belt, especially in the more eastern districts.

Snowfall.—Small amounts of snow occurred during the month over the northern districts, and at the end the ground was still covered by several inches of snow in portions of New England, New York, and other far Northern States.

Under the influence of moderately warm weather with little rain the melting of the accumulated snow over the northern districts was accomplished so gradually that no serious floods occurred, the water passing into the ground and leaving it in generally excellent condition for the usual spring operations.

In the mountain districts of the West the snow melted quite rapidly over the southern districts, giving an abundant supply of water, while in the northern districts it melted more slowly, thus assuring a good supply of water for the latter part of the season.

APRIL.

Temperature.—Near the 1st of the month temperatures were low for the season over nearly all districts, and especially so in the southern Appalachian Mountain region, where killing frosts occurred, and temperatures below zero were reported from the northern portions of New York and New England.

It was unusually warm about the middle of the first decade in the Gulf States, but colder weather followed, and by the end of the decade the cold area had overspread the central and eastern districts with temperatures near zero in the upper Missouri Valley and heavy frosts as far south as North Carolina.

The average temperature for the first 10 days was considerably below the normal throughout the Great Plains region and over all northern districts, but it was correspondingly above the normal in the South Atlantic and East Gulf States and over the Florida Peninsula.

During the second decade cool weather was the rule over much of the country, especially in the Rocky Mountain and Plateau districts, over the Appalachian Mountain region, and eastward to the Atlantic coast.

During the last decade cool weather continued to the westward of the Rocky Mountains, especially over the Pacific Coast States, while to the eastward there were decided fluctuations, cold weather generally predominating, with occasional freezing temperatures and frosts in the more exposed localities.

No great amount of damage occurred, however, from these low temperatures on account of the backward state of vegetation, the development of which had been much retarded by the continued unfavorable weather.

Precipitation.—For the month as a whole there was much rainy and unfavorable weather over the great agricultural regions, especially in the corn-growing States and in the middle and northern portions of the cotton region.

Dry weather continued over much of Florida and portions of Georgia, and in the spring-wheat belt the precipitation was generally somewhat deficient, and there was a very general lack of the usual amount of rain in the Plateau and Pacific Coast States.

Snow.—On account of the continued cool weather the snow in the mountain regions of the West continued to melt slowly, thus further conserving the water for use later in the season.

MAY.

Temperature.—Marked variations occurred in the temperature conditions during the month, and extremes of both heat and cold were broken at many points.

The first week of the month was abnormally cool from the plains region eastward, the deficiency ranging from 6° to 9° per day over much of the Mississippi Valley and adjoining districts. At the same time comparatively warm weather prevailed in the plateau and northern mountain districts.

At the beginning of the second week temperatures began to rise in the Great Plains region, and as the week advanced the warm wave overspread the entire eastern portion of the country, giving the warmest weather of the season to date.

West of the Rocky Mountains the weather continued cold during the week, and toward the end cooler weather had extended to the districts to the east of the mountains. This change to cooler weather was but temporary, however, and warm weather again overspread the eastern districts, continuing with little interruption until near the end of the month. In portions of the Mississippi Valley and in the districts to the eastward the temperatures during the last two weeks of the month were in many cases unprecedented in May for both intensity and duration of the heated period.

West of the Rocky Mountains the weather continued cold and in striking contrast with the conditions to the eastward. On several dates when intense heat was prevailing in eastern districts, temperatures below freezing and snow were observed in the mountain plateau and far northwestern regions.

Precipitation.—With the advent of the heated period over the eastern districts dry weather set in, and but little rain occurred during the month over large portions of the great agricultural districts. At the end of the month severe drought prevailed in the eastern portion of the cotton belt, and the severe heat and continued dry weather over much of the Great Plains region from Texas northward had proved very trying to vegetation.

In the Atlantic Coast States there was a marked deficiency in precipitation, the growth of vegetation was much retarded, and the continued deficiency in precipitation had materially reduced the water supply of the large cities and threatened serious interference with manufacturing interests depending upon water for power.

West of the Rocky Mountains considerable rain fell over the more northern districts and along the coast from northern California to Washington, but over the remaining districts there was little or no rain, although the supply of water for irrigation was generally abundant.

JUNE.

Temperature.—A slight respite from the severe heat over the districts east of the Rocky Mountains occurred near the end of May and continued in portions of the more eastern districts for the first few days of June, but warmer weather again developed over the northwest and during the 3d, 4th, and 5th of the month extremely high temperatures were again the rule over portions of the Great Plains and Mississippi Valley.

With the exception of slight breaks of a few days' duration unusually warm weather continued throughout June over much of the country east of the Rocky Mountains, the period of greatest heat occurring about June 24 to 26, when maximum temperatures in the Great Plains region, especially in Kansas and Oklahoma and the adjoining portions of surrounding States, were above 100° over large areas, reaching 110° at numerous points, with an extreme record of 116° in north-central Kansas.

Much suffering occurred during the periods of extreme heat, especially in the large cities of the Northern States, where the heat was more severe than farther south.

The temperature for the month was far above the normal over all the interior portions of the country, the average excess in the Great Plains and portions of the Mississippi Valley ranging from 4° to 8° per day. A small area including portions of New York and New England had average temperatures near or slightly below the normal, while to the westward of the Rocky Mountains the weather remained moderately cool throughout the greater part of the month and the season continued unusually backward especially in the far Northwest.

Precipitation.—The dry weather that had set in over many sections during May continued into June, becoming more or less serious as the month advanced. Some districts received timely showers, but for the month as a whole the precipitation was nearly everywhere far below the seasonal average. The deficiency was most marked, however, in the middle and southern portions of the Great Plains and in the lower Missouri and middle Mississippi Valleys, where only a small per cent of the usual fall for the month occurred. In portions of the South Atlantic and East Gulf States also there was a marked deficiency.

At the end of the month severe drought was prevalent over the western portion of the corn belt, being especially severe in Oklahoma and portions of Kansas, Missouri, and other States to the west of the Mississippi.

In the corn-growing states south of the Ohio River severe drought prevailed during much of the month, especially in Kentucky and Tennessee, where it was the most severe in many years. In the corn-growing states north of the Ohio River local showers occurred and conditions were more favorable.

In the cotton-growing states drought continued in Texas and Oklahoma, where the precipitation was far below the normal, and in some sections of those states little or none occurred during the entire month. There was a considerable deficiency in precipitation over the more eastern states of the cotton belt, especially in Georgia, where in some of the central and southern portions the drought was the most severe in many years.

In the spring-wheat region good showers occurred in most districts, except in portions of South Dakota, where at the end of the month the lack of rain was being severely felt.

JULY.

Temperature.—During the first 10 or 12 days of July the remarkable heat in the Middle and Northern States east of the Rocky Mountains continued; indeed, it reached its culmination in parts of the area affected. Temperatures above 110° occurred at a number of points in Nebraska, Kansas, Missouri, and Iowa, while in parts of New England the temperature reached the highest marks recorded since authentic records were begun. At the same time the Rocky Mountain region and the states to westward were, as a rule, experiencing unseasonably cool weather.

From the 15th or somewhat earlier to the end of the month conditions generally were reversed, and Idaho, Nevada, and the Pacific States had temperatures above the normal, while the Plains States, Mississippi Valley, and eastern districts were cooler than usual in summer.

For the whole month the temperature in the lower Lake region, New York, and New England averaged several degrees above normal, owing to the intense heat of the first portion. Oregon and parts of adjoining states likewise averaged somewhat hotter than usual. The most notable deficiency of temperature was in portions of the southern Rocky Mountain and Plateau regions.

Precipitation.—The first decade of July brought generous rains to large parts of the Central and East Gulf States, and gave irregularly distributed showers to the States to northward, where droughty conditions generally obtained and were intensified by the severe heat. During the middle and latter portions of the month better distributed rains, usually ample in amount, fell over the Middle and Northern States east of the Mississippi River, and in North Dakota, Minnesota, and eastern Iowa; while in the South Atlantic and Gulf States there was usually quite heavy rainfall, especially about the middle of the month.

For July as a whole the precipitation was ample over the greater part of the region to eastward of the Mississippi, also over nearly all the area of the western cotton States. The rainfall was scanty, however, in much of New York and Pennsylvania and in large portions of North Carolina and the Ohio Valley; also in lower Michigan, southeastern Wisconsin, and southwestern Texas. There was, on the other hand, excessive rainfall in parts of northern Wisconsin and upper Michigan, southeastern Kansas, and especially over the greater portion of Louisiana, southern Mississippi, and extreme eastern Texas. Droughty conditions continued to prevail, in spite of partial relief, in the western part of South Dakota, western Iowa, and much of Nebraska; but Minnesota and the eastern parts of the Dakotas were more favored. In the southern Rocky Mountain region and in Arizona considerable rain occurred, especially in the vicinity of Phoenix, where almost 5 inches (more than half of the normal annual precipitation) fell within 24 hours on the 1st and 2d. In nearly all other regions west of the Rockies the usual summer dry weather prevailed.

AUGUST.

Temperature.—In the Middle Atlantic and New England States, the upper Ohio Valley, and especially the lower Lake region, the first week in August was warmer than normal, and generally throughout the great interior valleys, the 7th to 10th was marked by decidedly hot weather, which extended on the 10th and 11th to the Northeastern States. About this time hot weather was prevailing in Texas, especially the southwestern portion, and continued till

about the 25th, extending during the 15th to 20th to practically all parts of the Plains States. About the 21st decidedly cool weather set in over the upper Missouri Valley, and continued till about the 29th, with frosts and freezing temperatures occurring in large portions of Montana and Wyoming, and less widely in some adjoining states. From the 27th to the close of the month the cooler weather was felt over most districts to southward and eastward, though only in moderate degree. Abnormally cool weather prevailed during most of August in the interior of California, notably in the Sacramento Valley.

Precipitation.—The first week of August brought generous and well distributed rains to nearly all the country to eastward of the Great Plains, except Texas and western Louisiana, of which only small portions were favored, and New England, with most of New York and New Jersey. The remainder of the month was characterized by more local precipitation. About the middle of the month almost the whole of the Gulf coast region was visited by heavy rains; likewise South Carolina and southern Georgia in the closing days received torrential rains, when a small but vigorous hurricane moved slowly westward from the Atlantic Ocean into Georgia. The precipitation of August as a whole was generally ample in the districts to eastward of the Rockies, also in small parts of Arizona and much of Colorado and New Mexico, the chief exceptions being large portions of Iowa, Illinois, Indiana, Michigan, and Texas. The rainfall totals were large in several districts besides those already named as receiving excessive falls. The Middle Atlantic States south of New York, southeastern Missouri, eastern Arkansas, and northern Mississippi had far more than their normal monthly amounts.

SEPTEMBER.

Temperature.—The first 10 days of September were not marked by notable abnormalities of temperature, except in Montana, Idaho, eastern Oregon, and northern Nevada, where from the 5th to 10th rather cool weather prevailed. In the second decade a short cool spell visited the northeasternmost states, causing about the 14th unseasonably low temperature and damaging frosts in most of New England and northern interior Pennsylvania. But this middle decade was marked by decided warmth throughout the southern and middle portions of the country between the Rocky and Appalachian Mountains. The last 10 days brought a continuation of warm weather in the east Gulf States and the southern Appalachian region, while to westward of the Mississippi River the change to less hot weather was but slight. However, in Montana and adjoining states cool weather prevailed from about the 21st to 25th, and the northern portion of the country eastward to the lower Lakes felt the same cool weather during the last week of the month.

Precipitation.—During the first week of September there was much rain in Montana and the Dakotas, and about the middle of the month in the Ohio Valley and Middle Atlantic States, the falls in the upper Ohio Valley being decidedly heavy. From about the 15th to 21st excessive rains fell in southwestern Missouri, southeastern Kansas, most of Arkansas, and much of Illinois and Indiana. During the last few days of the month heavy rainfall occurred again in Illinois and Indiana, and at the same time the Lake region, Iowa, Kansas, western New Mexico, much of Arizona, and most of Utah had large amounts. In Utah the rains were highly beneficial. In parts of southern California, notably the vicinity of Los Angeles, there were quite heavy rains, the fall at Los Angeles on the 28th and 29th, 1.23 inches, being the heaviest ever recorded there in September.

In most of the districts mentioned above the total rainfall of September was decidedly greater than normal, and this was especially true of portions of Illinois and adjoining states. The average fall for Illinois was larger than in any previous month since widespread observations began. In the Willamette Valley and Cascade Mountains the precipitation of September was unusually large. As a whole, the regions of the country not yet named had less rainfall than usual in September, and at the close of the month conditions were dry in much of Oklahoma and central Texas and in some other districts.

OCTOBER.

Temperature.—The opening days were marked by warm weather in most central and eastern districts, especially in the Southeastern States. About the 7th to 9th a short cool spell

visited the more northern districts from the Dakotas eastward, and about the 14th another was felt in the Lake region and New England. As a rule, however, the weather was moderately warm between the Atlantic and the Rockies till the 19th or 20th, when cold weather set in over the Rockies and slowly extended eastward.

Precipitation.—During the first week there were heavy rains in the lower Missouri and middle and upper Mississippi Valleys, the falls in northwestern Wisconsin being remarkably large; also in northwestern New Mexico and adjacent parts of Colorado and Arizona excessive rains and floods occurred. About the 17th to 23d there was much rain in southeastern New York and the western parts of Connecticut and Massachusetts; also at this time and during the last few days there were heavy rains in South Carolina and eastern Georgia. For October as a whole the precipitation was above normal in most of the districts named above, and, indeed, in nearly all states east of the Mississippi, besides most of Nebraska, eastern South Dakota, southern Minnesota, and northern and western Iowa. In most of Texas, Louisiana, and Arkansas, and in nearly all of Nevada and the Pacific States the precipitation was scanty.

Snowfall.—Considerable snow fell in the northern Rocky Mountain region, especially in parts of Montana; but in most other districts there were no snows of importance.

NOVEMBER.

Temperature.—At the opening of the month cold weather had just set in over the upper Missouri Valley, whence it soon spread eastward and southward to the Atlantic and Gulf coasts. Warmer days followed in most of these regions, and by the 10th to 12th it was quite warm for the season in the central valleys and thence eastward. Severe cold, however, was again prevailing in Montana by the 8th, and it spread first to the southwestward, but later to the eastward, bringing, about the 12th or 13th, a marked cold wave in most Central and Eastern States, the temperature fall within 24 hours being 60° to 70° or more in portions of Iowa, Missouri, Illinois, and other States. Unseasonably cold weather was the rule in most districts during the remainder of November, though portions of the Gulf States were warmer than normal till after the 20th and some Atlantic and Pacific coast districts during nearly all the month. Especially cold weather prevailed from the 23d to 26th in the central valleys and east Gulf States, and in the Gulf and South Atlantic States at the very close of the month. Freezing temperatures and killing frosts at this time did much damage in parts of Texas and Florida which seldom suffer so early in the season. The upper Missouri Valley experienced unseasonably cold weather almost constantly in November, notably about the 8th to 15th.

Precipitation.—Storms were unusually numerous during November, yet few localities experienced remarkably heavy falls from any single storm; but for the month as a whole the precipitation was somewhat more than normal generally to the eastward of the Mississippi, also in Louisiana and small parts of Texas, most of Missouri, and in the northern Rocky Mountain and Plateau regions. Scanty precipitation was the rule in Oklahoma, northern Texas, and the Pacific Coast States.

Snowfall.—In Idaho, Utah, Colorado, and New Mexico the snowfall in the mountains was about as heavy as usual in November, and in Wyoming and Montana it was somewhat heavier. The Northern States from the Dakotas to Michigan had more than the normal amount of snow, and in North Dakota the ground was constantly covered and at times railroad traffic was seriously interrupted.

DECEMBER.

Temperature.—Cold weather prevailed during the opening days in the Southern States, but otherwise the first 20 days of the month were warmer than normal almost everywhere east of the Rockies, save in Texas. Decidedly warm weather prevailed about the 8th to 15th east of the Mississippi River, notably in the New England States and the Lake region. About the 23d a change to colder was noted in Montana, whence it spread slowly southward and eastward, though the Atlantic States felt but little change before the close of December. In the central part of the Rocky Mountain region the first decade was mild, but west of the Rockies abnormal

cold marked nearly the whole month in most districts. In the State of Washington, however, the weather was generally mild till near the end.

Precipitation.—During the first 10 or 12 days there was but little precipitation, but afterwards the cotton states had almost constant rains, usually heavy, so that the monthly totals were generally much above normal. The region of greatest excess included Louisiana and Mississippi, with portions of adjoining States. In most of the Ohio Valley and in a few other northern districts east of the Mississippi River the month's totals exceeded the normal; while in most of Missouri, Kansas, and Iowa, eastern Nebraska, and southern Minnesota there was also a considerable excess of precipitation. In the Rocky Mountain region and to westward there was almost everywhere a deficiency of precipitation, save where heavy snows occurred.

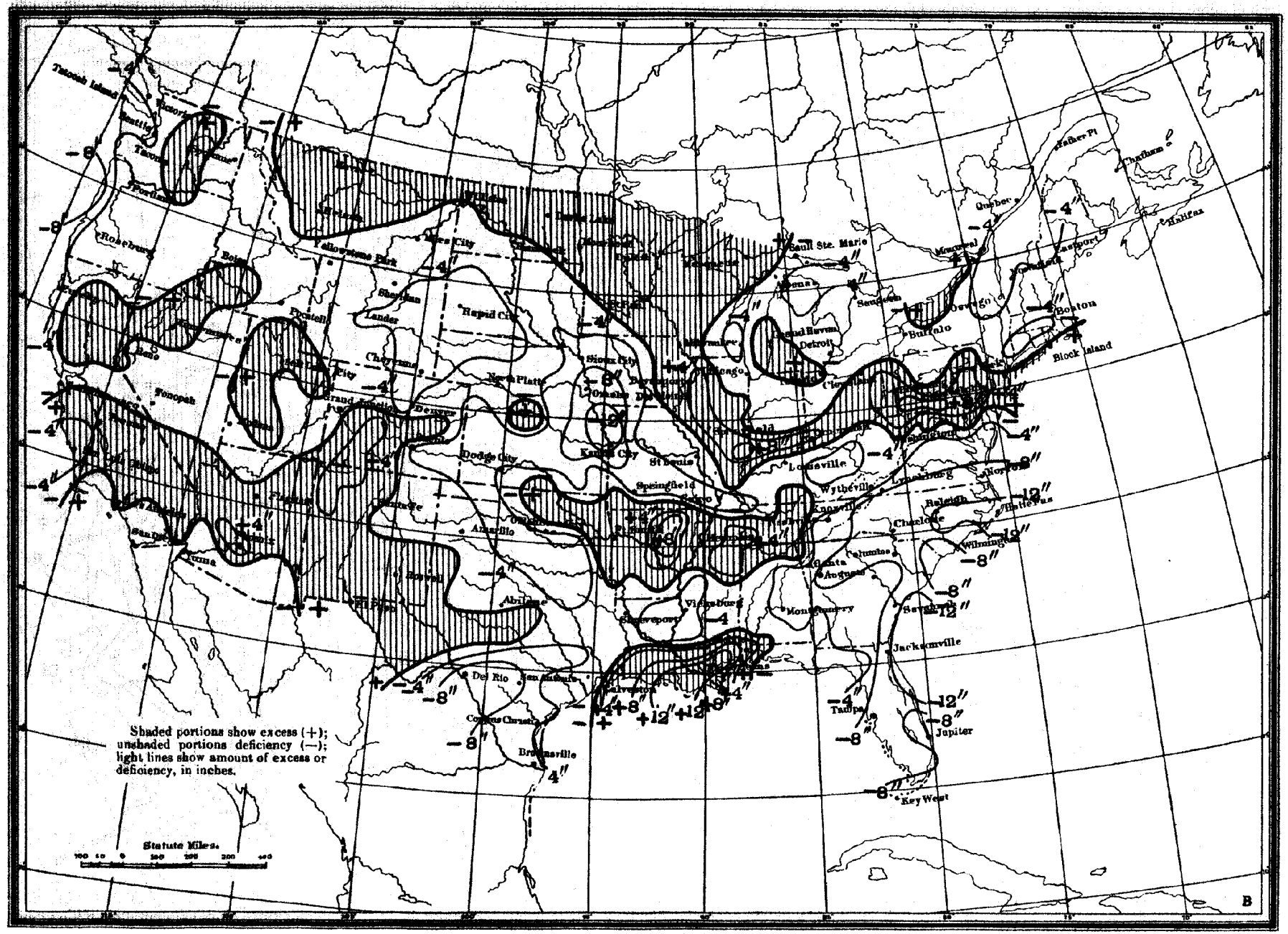
Snowfall.—From the upper Lakes westward there was considerable snow, and the ground was generally well covered. In the Northeastern States, however, there was unusually little snow for December. In the mountain regions of the West the snowfall was about normal in northern districts, somewhat below normal in most middle districts, and varying in amount, though generally above normal, in southern districts. The accumulated amounts at high levels were, as a rule, somewhat above the average. There was unusually heavy snowfall in western South Dakota, southeastern Colorado, western Kansas, and over much of Oklahoma.

Annual summary, climatological data, Canadian stations, 1911.

[Data furnished by the Canadian Meteorological Service.]

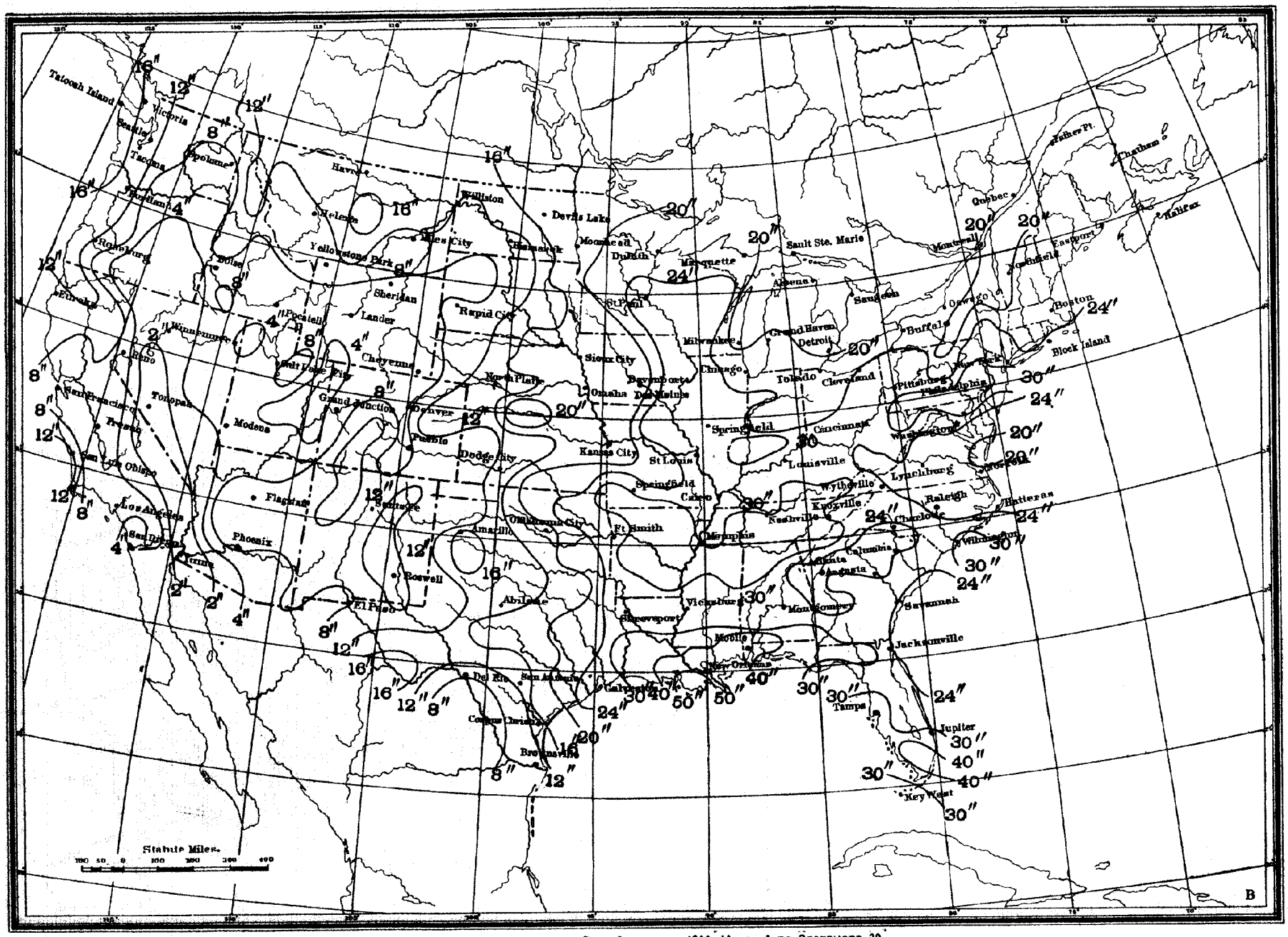
Stations.	Pressure in inches.			Temperature of the air in degrees Fahrenheit.						Precipitation.		
	Station, reduced to 24-hour mean.	Sea level, reduced to 24-hour mean.	Departure from normal.	Mean maximum+mean minimum÷2.	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.
St. Johns, Newfoundland	29.71	29.84	−0.07	39.8	−0.7	47.2	32.4	83	−10	57.21	+ 2.58	87.1
Sydney, Cape Breton Island	29.92	29.96	+ .02	42.4	+1.1	50.9	33.8	92	−13	46.54	− 3.74	83.0
Halifax, Nova Scotia	29.89	30.00	+ .03	43.8	+1.0	52.7	35.0	91	−11	50.66	− 6.37	81.8
Grand Manan, New Brunswick	29.94	29.99	+ .02	44.1	+1.3	51.8	36.3	96	− 9	30.01	−17.24	66.0
Yarmouth, Nova Scotia	29.94	30.01	+ .03	43.9	+ .7	51.3	36.6	86	0	35.06	−15.27	60.4
Charlottetown, Prince Edward Island	29.92	29.96	+ .02	41.9	+ .9	49.6	34.2	90	−14	30.91	−10.71	69.8
Chatham, New Brunswick	29.96	29.98	+ .04	40.8	+2.1	51.3	30.3	95	−24	39.09	− 2.20	88.0
Father Point, Quebec	29.91	29.93	00	36.2	+1.4	44.4	28.0	81	−24	30.88	− 2.11	94.2
Quebec, Quebec	29.66	29.99	+ .01	39.7	+1.5	48.5	30.9	93	−20	36.70	− 5.02	125.2
Montreal, Quebec	29.80	30.01	+ .02	43.6	+2.1	51.2	36.1	94	−12	36.65	− 4.34	108.2
Stonecliffe, Ontario	29.38	30.00	+ .01	39.2	+1.0	51.1	27.2	109	−28	25.84	− 4.62	63.2
Ottawa, Ontario	29.76	30.09	+ .09	42.2	+1.6	51.5	33.0	95	−20	30.75	− 1.85	101.6
Kingston, Ontario	29.73	30.05	+ .04	44.4	+1.3	52.0	36.7	86	−16	32.72	− .09	54.1
Toronto, Ontario	29.65	30.03	+ .01	47.7	+3.5	56.2	39.2	103	− 2	29.18	− 4.54	52.6
White River, Ontario	28.64	29.98	00	33.6	+1.5	45.7	21.4	90	−48	35.37	+10.58	151.0
Port Stanley, Ontario	29.40	30.04	+ .01	46.7	+2.0	54.7	38.7	88	4	38.28	+ 3.86	54.2
Southampton, Ontario	29.33	.....	.....	44.9	+2.5	52.9	36.8	92	− 4	31.77	− 2.44	84.7
Parry Sound, Ontario	29.32	30.02	+ .02	43.4	+3.2	53.1	33.6	98	−18	31.92	− 6.35	110.5
Port Arthur, Ontario	29.28	29.99	− .01	37.3	+2.9	47.2	27.4	94	−30	24.93	+ .17	41.7
Winnipeg, Manitoba	29.17	30.02	+ .02	36.2	+3.1	46.2	26.2	89	−37	23.38	+ 2.40	35.2
Minnedosa, Manitoba	28.15	30.00	00	33.0	+1.4	44.0	22.1	90	−43	22.30	+ 5.85	42.3
Qu'Appelle, Saskatchewan	27.68	29.97	− .01	32.5	− .8	42.3	22.6	88	−38	21.21	+ 5.13	55.3
Medicine Hat, Alberta	.....	.....	.....	.....	.....	.....	.....	99	.....	.....	.....	.....
Swift Current, Saskatchewan	27.40	30.00	+ .03	35.9	−1.6	46.0	25.7	95	−34	14.29	− 1.18	34.3
Calgary, Alberta	26.38	29.97	+ .04	35.7	−1.5	46.5	24.8	88	−44	19.38	+ 5.58	66.6
Banff, Alberta	25.35	30.02	+ .09	33.5	−1.2	44.5	22.5	86	−37	19.17	− 2.74	83.0
Edmonton, Alberta	27.64	29.96	+ .03	36.0	+ .4	48.3	23.7	87	−52	20.67	+ 4.84	28.5
Prince Albert, Saskatchewan	28.39	29.98	00	31.4	+ .9	42.8	20.0	88	−54	17.94	+ 3.03	72.6
Battleford, Saskatchewan	28.23	30.01	+ .04	32.6	− .1	43.1	22.1	91	−55	17.32	+ 3.39	3.5
Kamloops, British Columbia	28.69	29.98	+ .05	44.3	−2.8	54.9	33.8	100	−30	8.36	− 3.27	34.9
Victoria, British Columbia	29.94	30.04	+ .04	48.8	+ .2	55.9	41.6	90	15	24.19	−13.95	16.4
Barkerville, British Columbia	25.61	29.96	+ .06	32.4	−3.8	40.7	24.1	78	−40	36.31	+ 2.75	206.2
Dawson, Yukon	.....	.....	.....	.....	.....	.....	.....	88	−62	.....	.....	.....
Hamilton, Bermuda	29.99	30.15	+ .06	69.1	− .6	74.5	63.8	88	44	39.56	−22.35	0

CHART NO. 1.



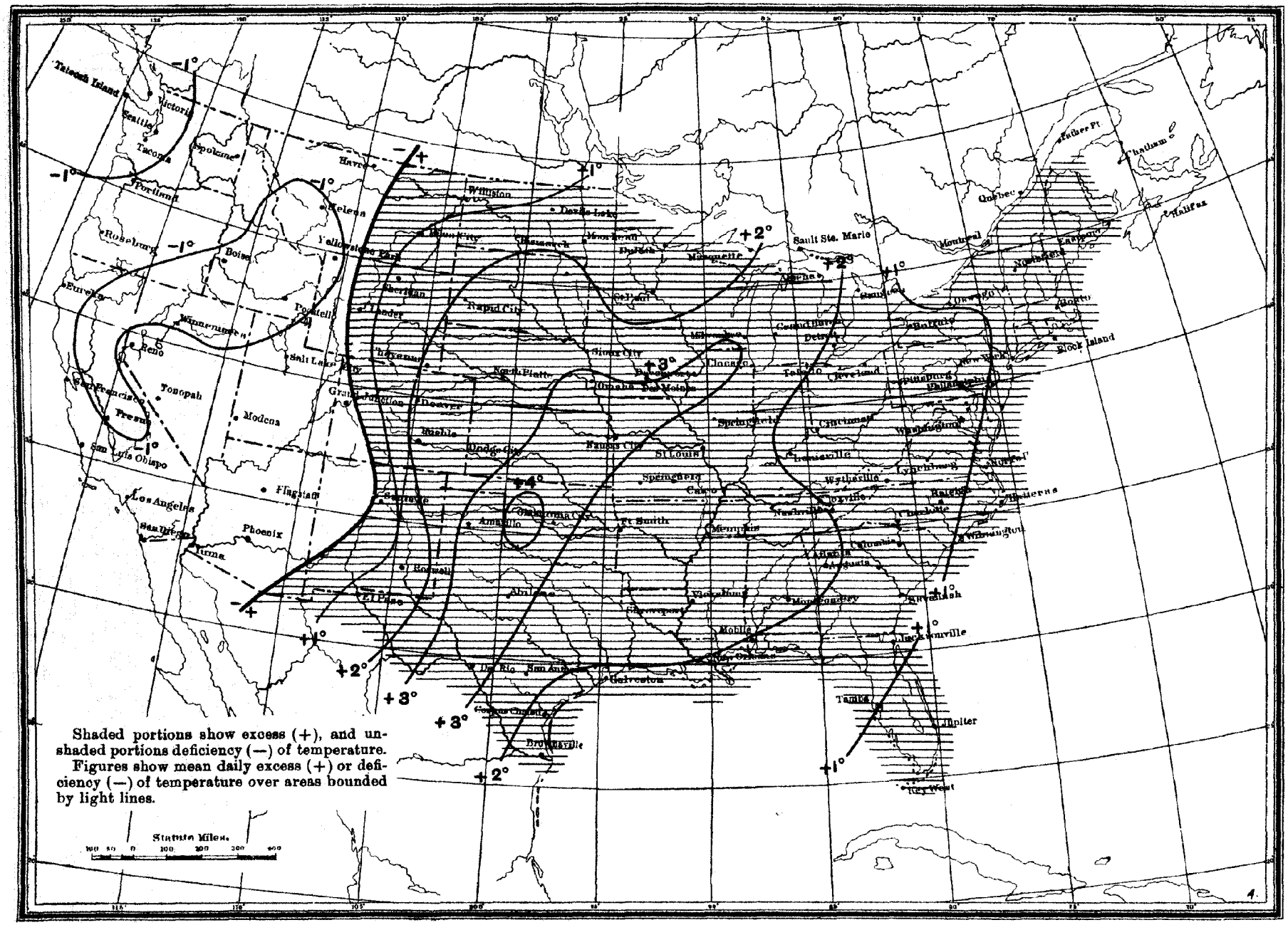
DEPARTURES FROM NORMAL PRECIPITATION FOR THE CROP SEASON OF 1911, MARCH 1 TO SEPTEMBER 30

CHART No. 2.



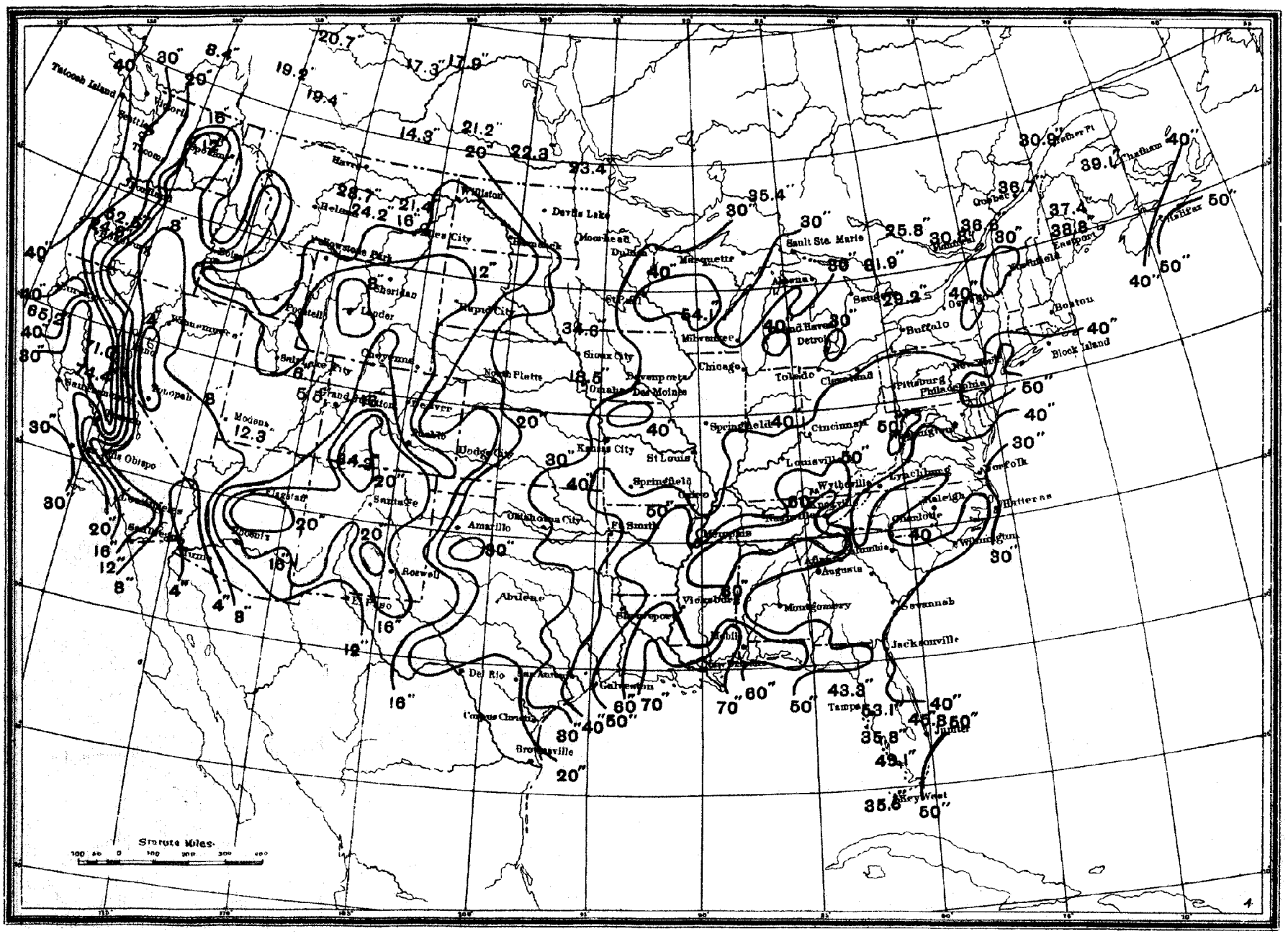
TOTAL PRECIPITATION FOR THE CROP SEASON OF 1911, MARCH 1 TO SEPTEMBER 30.

CHART No. 3.



DEPARTURES FROM NORMAL TEMPERATURE FOR THE CROP SEASON OF 1911, MARCH 1 TO SEPTEMBER 30.

CHART NO. 4.



TOTAL PRECIPITATION FOR THE CROP SEASON OF 1911, MARCH 1 TO SEPTEMBER 30.

LIST OF OBSERVING STATIONS.

The following table contains the geographic coördinates of the several stations whose summaries are published in Part III, the adopted height of the barometer cistern above mean sea level and of other instruments above ground, the difference between local mean and seventy-fifth meridian time, and the date on which observations began. The standard of time used by the Weather Bureau in all of its synchronous work is that of the seventy-fifth meridian (Eastern time), which standard is always understood unless otherwise expressed.

The elevations of the barometers are those adopted January 1, 1900, except at stations established since that date. They are the results of precise levels, and are known as the "station elevation."

Any change in the elevation of the remaining instruments is shown by the figures immediately below, and the date of such change is given on the margin of the table.

The significance of the bold-face letter or letters following the name of station is as follows:

P = continuous records of pressure (on December 31, 1911);

T = continuous records of temperature (on December 31, 1911);

W = continuous records of wind (direction and velocity) (on December 31, 1911);

V = continuous records of wind (velocity only) (on December 31, 1911);

R = continuous records of rainfall (on December 31, 1911);

S = continuous records of sunshine (on December 31, 1911).

Summary of stations in operation during the year.

Taking two observations daily (all elements)	174
Taking one observation daily (all elements)	48
Taking one observation daily (temperature, rainfall, wind, and weather)	23
Taking one observation daily (temperature and rainfall only, cotton, sugar, and rice regions)	132
Taking one observation daily (temperature and rainfall only, corn and wheat region)	141
Taking one observation daily (river and rainfall only)	358
Taking one observation daily (rainfall stations)	29
River flood stations	60
Rainfall flood stations	73
Taking one observation daily (cotton and special meteorological)	1
Taking one observation daily (special meteorological and river)	1
Taking one observation daily (sugar and rice and river)	2
Taking one observation daily (cotton and river)	26
Taking one observation daily (cotton and rainfall)	19
Taking one observation daily (corn and wheat and river)	6
Taking one observation daily (corn and wheat and rainfall)	6
Taking one observation daily (corn and wheat and mountain snowfall)	1
Taking one observation daily (cranberry)	4
Snowfall stations	290
Total paid stations	1,388
Cooperative stations, about	[1] 3,800
Grand total	5,188

[1] Exclusive of the observers of the cotton, sugar, and rice, and corn and wheat regions, who generally act as cooperative observers during the period when not employed as special observers.

TABLE I.—*Latitude, longitude, elevation, etc., of Weather Bureau stations.*

Stations.	Latitude.	Longitude.	Local meridian time faster or slower than 75th meridian.	Elevation Dec. 31, 1911.				Observations began.	Date of changes in elevation.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	° ′	° ′	h. m.	*Feet.*	*Feet.*	*Feet.*	*Feet.*		
Abilene, P T W R S	32 23	99 40	1 39 S.	1,738	10	3	52	Sept. 14, 1885	
Albany, P T W R S	42 39	73 45	05 F.	97	102	100	115	Dec. 22, 1873	
Alpena, P T W R S	45 05	83 30	34 S.	609	13	4	92	Sept. 10, 1872	
Amarillo, P T W R S	35 13	101 50	1 47 S.	3,676	10	3	49	Jan. 1, 1892	
Anniston, P T W R S	33 39	85 50	43 S.	741	9	3	57	Oct. 16, 1905	
Arcadia	27 13	81 52	27 S.	.....	.....	.....	.....	Nov. 13, 1909	
Asheville, P T W R S	35 36	82 32	30 S.	2,255	70	61	84	Aug. 22, 1902	
Atlanta, P T W R S	33 45	84 23	38 S.	1,174	190	182	216	Sept. 25, 1878	
Atlantic City, P T W R S	39 22	74 25	02 F.	52	37	33	48	Dec. 10, 1873	
Augusta, P T W R S	33 28	81 54	28 S.	180	89	54	97	Nov. 2, 1870	
Baker, P T W R S	44 46	117 50	2 51 S.	3,471	48	38 40	58 53	July 9, 1889	Feb. 21, 1911
Baltimore, P T W R S	39 18	76 37	06 S.	123	100	90	113	Jan. 1, 1871	
Bentonville, P T W R S	36 22	94 12	1 17 S.	1,303	11	3	44	Mar. 16, 1906	
Billings	45 47	108 30	2 14 S.	3,139	5	3	.....	May 1, 1909	
Binghamton, P T W R S	42 08	75 55	04 S.	871	78	71	88	Oct. 1, 1896	
Birmingham, P T W R S	33 32	86 50	47 S.	700	11	3	48	Sept. 14, 1895	
Bismarck, P T W R S	46 47	100 38	1 43 S.	1,674	8	3	57	Sept. 15, 1874	
Blaine	48 59	122 45	3 11 S.	57	4	3	.....	Jan. 14, 1908	
Block Island, P T W R S	41 10	71 36	14 F.	26	11	3	46	Sept. 1, 1880	
Boise, P T W R S	43 37	116 08	2 45 S.	2,739	78	72	86	July 1, 1877	
Boston, P T W R S	42 21	71 04	16 F.	125	115	154	188	Nov. 1, 1870	
Brownsville, V	26 00	97 26	1 30 S.	57	4	2	.....	Nov. 18, 1875	
Buffalo, P T W R S	42 53	78 53	16 S.	767	178	168	206	Nov. 1, 1870	
Burlington, P T W R S	44 29	73 12	07 F.	404	11	3	48	Mar. 29, 1906	
Burro Mine	.....	.....	.....	.....	.....	.....	.....	Nov. 1, 1911	
Cairo, P T W R S	37 00	89 10	57 S.	356	87	80	93	June 1, 1871	
Canton, P T W R S	44 36	75 10	01 S.	448	10	4	61	July 1, 1906	
Canyon City	38 26	105 15	2 01 S.	.....	5	3	.....	July 1, 1910	
Cape Henry, P T W R S	36 56	76 00	04 S.	18	9	43	58	Dec. 15, 1873	
Cape May, T W	38 56	74 51	01 F.	17	9	3	56	July 16, 1897	
Cedar Rapids	42 58	91 39	1 07 S.	.....	.....	.....	.....	Feb. 1, 1911	
Charles City, P T W R S	43 04	92 38	1 11 S.	1,015	10	4	49	Nov. 1, 1904	
Charleston, P T W R S	32 47	79 56	20 S.	48	11	76	92	Jan. 5, 1871	
Charlotte, P T W R S	35 13	80 51	23 S.	773	68	60	76	Oct. 6, 1878	
Chattanooga, P T W R S	35 04	85 14	41 S.	762	189	167	213	Sept. 12, 1875	
Cheyenne, P T W R S	41 08	104 48	1 59 S.	6,088	56	49	64	Nov. 1, 1870	
Chicago, P T W R S	41 53	87 37	50 S.	823	140	133	310	.....do.....	
Cincinnati, P T W R S	39 06	84 30	38 S.	628	152	145	160	.....do.....	
Cleveland, P T W R S	41 30	81 42	27 S.	762	190	163	201	.....do.....	
Columbia, Mo., P T W R S	38 57	92 20	1 09 S.	784	11	3	84	Aug. 21, 1889	
Columbia, S. C., P T W R S	34 00	81 03	24 S.	351	41	32	57	June 5, 1887	
Columbus, P T W R S	39 58	83 00	32 S.	824	173	171	222	July 1, 1878	
Concord, P T W R S	43 12	71 32	14 F.	288	70	62	79	Nov. 1, 1902	
Concordia, P T W R S	39 35	97 41	1 31 S.	1,398	42	35	50	May 1, 1885	
Cordova	60 35	145 40	4 43 S.	57	6	5	.....	Aug. 15, 1911	
Corinth	34 57	88 20	54 S.	470	50	45	.....	July 1, 1909	
Corona	39 56	105 47	2 03 S.	.....	.....	.....	.....	Nov. 13, 1906	
Corpus Christi, P T W R S	27 49	97 25	1 30 S.	20	69	61	77	Feb. 1, 1887	
Davenport, P T W R S	41 30	90 38	1 03 S.	606	71	64	79	May 24, 1871	
Dayton, P T W R S	39 46	84 10	37 S.	899	181	176	216	July 10, 1911	
Del Monte	36 35	121 50	3 07 S.	.....	.....	.....	.....	Nov. 10, 1910	
Del Rio, P T W R S	29 20	100 53	1 44 S.	944	8	3	57	Nov. 9, 1905	
Denver, P T W R S	39 45	105 00	2 00 S.	5,291	129	119	172	Nov. 19, 1871	
Des Moines, P T W R S	41 35	93 37	1 14 S.	861	84	76	98	July 29, 1877	
Detroit, P T W R S	42 20	83 03	32 S.	730	218	214	258	Nov. 1, 1870	
Devils Lake, P T W R S	48 07	98 52	1 35 S.	1,482	11	4	44	Dec. 7, 1904	
Dodge, P T W R S	37 45	100 00	1 40 S.	2,509	11	3	51	Sept. 15, 1874	
Dubuque, P T W R S	42 30	90 44	1 03 S.	698	81	76	96	July 2, 1873	
Duluth, P T W R S	46 47	92 06	1 08 S.	1,133	11	3	47	Nov. 1, 1870	
Durango, P T W R S	37 16	107 52	2 11 S.	6,546	18	3	56	Dec. 20, 1904	
Eagle	64 46	141 12	4 25 S.	815	6	.....	.....	June 24, 1909	
Eastport, P T W R S	44 54	66 59	32 F.	76	67	62	85	Apr. 1, 1873	
Elkins, P T W R S	38 53	79 49	19 S.	1,940	41	34	50	Jan. 1, 1899	
El Paso, P T W S	31 47	106 30	2 06 S.	3,762	110	102	133	Apr. 1, 1878	
Erie, P T W R S	42 07	80 05	20 S.	714	92	82	102	May 25, 1873	
Escanaba, P T W R S	45 48	87 05	48 S.	612	54	44	60	May 24, 1871	

TABLE I.—*Latitude, longitude, elevation, etc., of Weather Bureau stations*—Continued.

Stations.	Latitude.		Longitude.		Local meridian time faster or slower than 75th meridian.			Elevation Dec. 31, 1911.				Observations began.		Date of changes in elevation
								Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.			
	°	′	°	′	*h.*	*m.*		*Feet.*	*Feet.*	*Feet.*	*Feet.*			
Eureka, P T W R S	40	48	124	11	3	17	S.	62	62	55	80	Jan.	1, 1887	
									72	65	89	.....		Jan. 1, 1911
Evansville, P T W R S	37	58	87	33		50	S.	431	72	66	82	Dec.	1, 1897	
Flagstaff, P T W R S	35	12	111	37	2	26	S.	6, 907	8	3	57	Sept.	9, 1898	
Fort Douglas	40	46	111	48	2	27	S.	.....	.....	.....	.....	Nov.	1, 1911	
Fort Smith, P T W R S	35	22	94	24	1	18	S.	457	79	72	94	Apr.	13, 1879	
Fort Wayne, P T W R S	41	5	85	10		41	S.	856	113	107	124	June	1, 1911	
Fort Worth, P T W R S	32	43	97	15	1	29	S.	670	106	51	114	Sept.	1, 1898	
Fresno, P T W R S	36	43	119	49	2	59	S.	330	62	54	70	Aug.	18, 1887	
Galveston, P T W R S	29	18	94	50	1	19	S.	54	106	98	114	Apr.	19, 1871	
Grand Forks	47	56	97	4	1	28	S.	835	12	3	89	Aug.	15, 1911	
Grand Haven, P T W R S	43	05	86	13		45	S.	632	54	49	92	May	24, 1871	
Grand Junction, P T W R S	39	09	108	33	2	14	S.	4, 602	43	37	51	Jan.	1, 1899	
Grand Rapids, P T W R S	42	58	85	40		43	S.	707	127	121	162	July	1, 1903	
									70	70	87	.....		Jan. 1, 1911
Green Bay, P T W R S	44	31	88	00		52	S.	617	109	101	144	Sept.	1, 1886	
Greenville	45	24	69	33		22	F.	1, 070	6	3	.....	Oct.	1, 1907	
Hannibal, P T W R S	39	41	91	20	1	05	S.	534	75	68	109	Apr.	16, 1892	
Harrisburg, P T W R S	40	16	76	52		07	S.	374	94	88	104	July	1, 1888	
Hartford, P T W R S	41	46	72	40		09	F.	159	122	116	140	Oct.	7, 1904	
Hatteras, P T W R S	35	15	75	40		03	S.	11	12	34	47	Dec.	1, 1880	
Havre, P T W R S	48	34	109	40	2	19	S.	2, 505	11	4	44	May	16, 1892	
Helena, P T W R S	46	34	112	04	2	28	S.	4, 110	8	3	56	Apr.	1, 1880	
Honolulu, P T W R S	21	19	157	52	5	31	S.	38	111	99	119	Sept.	1, 1904	
Houghton, P T W R S	47	07	88	34		54	S.	668	66	57	74	Aug.	26, 1900	
									62	.....	72	.....		July 1, 1911
Houston, P T W R S	29	47	95	24	1	22	S.	138	111	104	121	Sept.	16, 1909	
Huron, P T W R S	44	21	98	14	1	33	S.	1, 306	56	52	67	July	1, 1881	
Independence, P T W R S	36	48	118	12	2	53	S.	3, 910	11	4	42	Dec.	1, 1894	
Indianapolis, P T W R S	39	46	86	10		45	S.	822	154	146	164	Feb.	10, 1871	
Iola, P T W R S	37	55	95	25	1	22	S.	984	11	3	50	Aug.	20, 1905	
Ithaca, P T W R S	42	27	76	29		6	S.	836	82	4	100	.....		
Jackson	32	04	90	10	1	01	S.	280	5	3	.....	Feb.	21, 1908	
Jacksonville, P T W R S	30	20	81	39		27	S.	43	96	88	129	Sept.	11, 1871	
Kalispell, P T W R S	48	10	114	25	2	38	S.	2, 962	11	4	34	May	3, 1899	
Kansas City, P T W R S	39	05	94	37	1	18	S.	963	161	141	181	Apr.	21, 1873	
Keokuk, P W R S	40	22	91	26	1	06	S.	614	64	56	78	July	16, 1871	
Key West, P T W R S	24	33	81	48		27	S.	22	10	3	53	Nov.	1, 1870	
									41	32	49	.....		Oct. 1, 1911
Knoxville, P T W R S	35	56	83	58		36	S.	996	93	84	100	Jan.	20, 1871	
La Crosse, P T W R S	43	49	91	15	1	05	S.	714	11	3	48	Oct.	15, 1872	
Lander, P T W R S	42	50	108	45	2	15	S.	5, 372	26	18	36	Aug.	1, 1891	
Lansing, P T W R S	42	44	84	26		38	S.	878	11	3	62	May	1, 1910	
La Salle, P T W R S	41	20	89	05		56	S.	536	56	49	64	Nov.	19, 1904	
Leadville, T	39	15	106	18	2	05	S.	10, 242	7	3	.....	Nov.	1, 1907	
Lewiston, P T W R S	46	25	117	02	2	48	S.	757	10	4	51	Oct.	1, 1900	
Lexington, P T W R S	38	02	84	33		38	S.	989	75	68	102	Oct.	1, 1872	
Lincoln, P T W R S	40	49	96	45	1	27	S.	1, 189	11	4	84	Aug.	8, 1894	
Little Rock, P T W R S	34	45	92	06	1	08	S.	357	139	132	147	Apr.	21, 1873	
Los Angeles, P T W R S	34	03	118	15	2	53	S.	338	159	151	191	July	1, 1877	
Louisville, P T W R S	38	15	85	45		43	S.	525	111	103	132	Sept.	11, 1871	
Lynchburg, P T W R S	37	25	79	09		17	S.	681	83	77	88	May	24, 1871	
Macon, P T W R S	32	50	83	38		35	S.	370	78	71	87	Apr.	8, 1899	
Madison, P T W R S	43	05	89	23		58	S.	974	70	62	78	Sept.	16, 1904	
Manteo, V	35	54	75	40		03	S.	12	12	4	46	Nov.	10, 1904	
Marquette, P T W R S	46	34	87	24		50	S.	734	77	70	116	May	11, 1871	
Marshfield	43	22	124	17	3	17	S.	36	3	2	.....	May	1, 1908	
Medford	42	20	122	52	3	11	S.	1, 425	4	3	.....	Mar.	11, 1911	
Medora	46	53	103	31	1	54	S.	.....	.....	.....	.....	July	1, 1911	
Memphis, P T W R S	35	09	90	03	1	00	S.	399	76	69	97	Feb.	28, 1871	
Meridian, P T W R S	32	21	88	40		55	S.	375	84	3	93	Sept.	1, 1889	
										62	.....	.....		July 12, 1911
Meridian, Idaho	43	37	116	26	2	46	S.	.....	.....	.....	.....	Apr.	1, 1911	
Miami, P T W R S	25	48	80	12		21	S.	25	37	32	72	June	3, 1911	
Miles City, P V	46	25	105	49	2	03	S.	2, 371	26	32	48	Oct.	1, 1891	
Milwaukee, P T W R S	43	02	87	54		52	S.	681	119	111	133	Nov.	1, 1870	
Minneapolis, P T W R S	44	59	93	18	1	13	S.	.....	102	92	208	Nov.	6, 1890	

TABLE I.—*Latitude, longitude, elevation, etc., of Weather Bureau stations*—Continued.

Stations.	Latitude.	Longitude.	Local *meridian* time faster or slower than 75th meridian.	Elevation Dec. 31, 1911.				Observations began.	Date of changes in elevation.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	° ′	° ′	*h. m.*	*Feet.*	*Feet.*	*Feet.*	*Feet.*		
Missoula	46 51	113 59	2 36 S.	3,234	5	3	.....	Aug. 11, 1908	
Mobile, P T W R S	30 41	88 02	52 S.	57	98	91	106	Nov. 7, 1870	
Modena, P T W R S	37 48	113 54	2 36 S.	5,479	10	2	43	Jan. 1, 1901	
Montgomery, P T W R S	32 23	86 18	45 S.	223	100	71	112	Nov. 9, 1870	
Moorhead, P T W R S	46 52	96 44	1 27 S.	940	8	3	57	Jan. 31, 1881	
Mount Tamalpais, P T W R S	37 56	122 35	3 10 S.	2,375	11	5	18	Sept. 2, 1898	
Mount Weather, P T W R S	39 04	77 54	12 S.	1,725	10	3	75	Nov. 1, 1904	
Nantucket, P T W R S	41 17	70 06	20 F.	12	14	4	90	Oct. 18, 1886	
Narragansett Pier	41 19	71 17	15 F.	.....	9	3	.....	Apr. 1, 1882	
Nashville, P T W R S	36 10	86 47	47 S.	546	168	161	191	Nov. 1, 1870	
New Haven, P T W R S	41 18	72 56	08 F.	106	117	111	155	Dec. 10, 1872	
New Orleans, P T W R S	29 58	90 04	1 00 S.	51	90	78	121	Nov. 1, 1870	
New York, P T W R S	40 43	74 00	04 F.	314	108 414	305 407	350 454	.....do.....	May 1, 1911.
Nome	64 30	165 24	6 02 S.	22	.....	34	.....	Dec. 1, 1906	
Norfolk, P T W R S	36 51	76 17	05 S.	91	102	96	111	Jan. 1, 1871	
Northfield, P T W R S	44 10	72 41	09 F.	876	12	3	60	Mar. 1, 1887	
North Head, P T W R S	46 16	124 04	3 16 S.	211	11	3	56	Aug. 1, 1902	
North Platte, P T W R S	41 08	100 45	1 43 S.	2,821	11	3	51	Sept. 18, 1874	
North Yakima	46 36	120 34	3 02 S.	1,076	4	4	.....	Mar. 1, 1909	
Oklahoma City, P T W R S	35 26	97 33	1 30 S.	1,214	10	3	47	Nov. 1, 1890	
Omaha, P T W R S	41 16	95 56	1 24 S.	1,105	115	107	121	Nov. 1, 1870	
Oswego, P T W S	43 29	76 35	06 S.	335	76	68	91	.....do.....	
Palestine, P T W R S	31 45	95 40	1 23 S.	510	73	68	79	Dec. 3, 1881	
Parkersburg, P T W R S	39 16	81 36	26 S.	638	77	70	84	July 1, 1888	
Pasadena	34 7	118 10	2 53 S.	.....	.....	.....	.....	Dec. 1, 1908	
Paso Robles	35 38	120 41	3 03 S.	.....	.....	.....	.....	July 1, 1909	
Pensacola, P T W R S	30 25	87 13	49 S.	56	140	131	183	Oct. 27, 1879	
Peoria, P T W R S	40 43	89 36	58 S.	609	11	4	45	Feb. 1, 1905	
Philadelphia, P T W R S	39 57	75 09	01 S.	117	123	114	184	Jan. 1, 1871	
Phoenix, P T W R S	33 28	112 00	2 28 S.	1,108	50	41	56	Aug. 6, 1895	
Pierre, P T W R S	44 22	100 21	1 41 S.	1,572	70	63	75	July 1, 1891	
Pittsburgh, P T W R S	40 32	80 02	20 S.	842	353	345	410	Nov. 1, 1870	
Pocatello, P T W R S	42 52	112 29	2 30 S.	4,477	46	37	54	July 1, 1899	
Point Reyes Light, P W R S	38 11	122 51	3 11 S.	490	7	3	18	Mar. 1, 1889	
Port Crescent, P T W R S	48 08	123 41	3 15 S.	259	8	4	53	Oct. 1, 1898	
Port Huron, P T W R S	43 00	82 26	30 S.	638	70	63	120	July 25, 1874	
Portland, Me., P T W R S	43 39	70 15	19 F.	103	82	75	117	Jan. 15, 1871	
Portland, Oreg., P T W R S	45 32	122 43	3 11 S.	153	68	63	106	Nov. 1, 1870	
Providence, P T W R S	41 50	71 25	14 F.	160	141	134	165	Oct. 22, 1904	
Provo	40 13	111 38	2 27 S.	.....	.....	.....	.....	Mar. 14, 1911	
Pueblo, P T W R S	38 18	104 36	1 58 S.	4,685	80	72	86	July 1, 1888	
Raleigh, P T W R S	35 45	78 37	14 S.	376	103	94	110	Apr. 1, 1884	
Rapid City, P T W R S	44 04	103 12	1 53 S.	3,234	46	35	50	Jan. 24, 1881	
Red Bluff, P T W R S	40 10	122 15	3 09 S.	332	50	40	56	July 1, 1877	
Redlands	34 3	117 12	2 49 S.	.....	.....	.....	.....	Dec. 1, 1908	
Reno, P T W R S	39 32	119 49	2 59 S.	4,532	74	67	81	Nov. 11, 1905	
Richmond, P T W R S	37 32	77 27	10 S.	144	11	3	52	Oct. 5, 1897	
Riverside	33 58	117 22	2 49 S.	.....	.....	.....	.....	Feb. 10, 1908	
Rochester, P T W R S	43 08	77 42	11 S.	523	86	77	102	Nov. 1, 1870	
Roseburg, P T W R S	43 13	123 20	3 13 S.	510	9	4	57	July 15, 1877	
Roswell, P T W R S	33 24	104 27	1 58 S.	3,566	9	4	57	Dec. 20, 1904	
Sacramento, P T W R S	38 35	121 30	3 06 S.	69	106	100	117	July 1, 1877	
St. Joseph, P T W R S	39 49	94 51	1 19 S.	967	11	3	49	Apr. 25, 1910	
St. Louis, P T W R S	38 38	90 12	1 01 S.	567	208	199	217	Nov. 1, 1870	
St. Paul, P T W R S	44 58	93 03	1 12 S.	837	171 203	163 196	179 212	.....do.....	Jan. 1, 1911
Salt Lake City, P T W R S	40 46	111 54	2 28 S.	4,360	147	141	189	Mar. 19, 1874	
San Antonio, P T W R S	29 27	98 28	1 34 S.	701	80	72	91	Jan. 2, 1876	
San Bernardino	34 06	117 18	2 49 S.	.....	.....	.....	.....	Dec. 1, 1908	
San Diego, P T W R S	32 43	117 10	2 49 S.	87	94	86	102	Nov. 1, 1871	
Sand Key, P T W R S	24 27	81 53	28 S.	23	41	40	71	June 1, 1903	
Sandusky, P T W R S	41 25	82 40	31 S.	629	62	54	70	Aug. 2, 1877	
San Francisco, P T W R S	37 48	122 26	3 10 S.	155	200	191	204	Feb. 2, 1871	
San Jose, P T W R S	37 20	121 54	3 08 S.	141	12	3	110	Sept. 28, 1905	
San Juan, P T W R S	18 29	66 07	36 F.	82	48	40	90	Oct. 31, 1898	
San Luis Obispo, P T W R S	35 18	120 39	3 03 S.	201	47	40	54	June 1, 1885	

TABLE I.—*Latitude, longitude, elevation, etc., of Weather Bureau stations*—Continued.

Stations.	Latitude.		Longitude.		Local meridian time faster or slower than 75th meridian.		Elevation Dec. 31, 1911.				Observations began.		Date of changes in elevation.	
							Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.				
	°	′	°	′	*h.*	*m.*	*Feet.*	*Feet.*	*Feet.*	*Feet.*				
Santa Barbara	34	25	119	42	2	59 S.	.....	.....	.....	.....	June	15, 1911		
Santa Fé, P T W R S	35	41	105	57	2	04 S.	7,013	8	3	56	Nov.	20, 1871		
Sault Ste. Marie, P T W R S.	46	30	84	21		37 S.	614	11	3	61	Aug.	5, 1877		
Savannah, P T W R S	32	05	81	05		24 S.	65	150	143	194	Jan.	1, 1871		
Scranton, P T W R S	41	24	75	42		03 S.	805	111	102	119	Aug.	17, 1900		
Seattle, P T W R S	47	38	122	20	3	09 S.	125	185	179	224	May	1, 1893	Nov.	1, 1911
								215	209	250	.....	.....		
Sheridan, P T W R S	44	48	106	57	2	08 S.	3,790	10	2	47	Apr.	29, 1907		
Shreveport, P T W R S	32	30	93	40	1	15 S.	249	68	59	74	Sept.	3, 1871		
Sioux City, P T W R S	42	29	96	24	1	26 S.	1,135	94	86	164	Dec.	1, 1887		
Siskiyou	42	03	122	39	3	11 S.	4,115	4	5	.....	Sept.	1, 1908		
Sitka	57	04	135	20	4	01 S.	90	3	2	.....	Mar.	26, 1881		
S. E. Farallon, P T W R S.	37	42	123	00	3	12 S.	30	9	3	17	June	4, 1903		
Spokane, P T W R S	47	40	117	25	2	50 S.	1,929	101	94	110	Feb.	1, 1881		
Springfield, Ill., P T W R S.	39	48	89	39		59 S.	644	10	4	91	July	1, 1879		
Springfield, Mo., P T W R S.	37	12	93	18	1	13 S.	1,324	98	6	104	June	3, 1882		
Summit	39	18	120	20	3	01 S.	.....	.....	.....	.....	Nov.	16, 1905		
Syracuse, P T W R S	43	02	76	10		05 S.	597	97	65	113	Aug.	22, 1902		
Tacoma, P T W R S	47	16	122	23	3	10 S.	213	113	104	120	May	1, 1897		
Tampa, P T W R S	27	57	82	27		30 S.	35	79	71	96	Mar.	13, 1890		
Tanana	65	12	152	00	5	08 S.	.....	4	3	.....	Sept.	9, 1909		
Tatoosh Island, P T W R S.	48	23	124	44	3	19 S.	109	7	4	57	Nov.	22, 1902		
Taylor, P T W R S	30	35	97	20	1	29 S.	583	55	48	63	Nov.	13, 1901		
Thomasville, P T W R S	30	48	83	58		36 S.	273	8	4	57	Aug.	20, 1905		
Titusville	28	34	80	51		23 S.	25	6	3	.....	July	13, 1911		
Toledo, P T W R S	41	40	83	34		34 S.	628	207	201	46	Nov.	1, 1870		
Tonopah, P T W R S	38	04	117	14	2	49 S.	6,090	12	9	20	July	9, 1906		
Topeka, P T W R S	39	03	95	41	1	23 S.	987	85	76	101	June	1, 1887		
Tucson	32	15	110	50	2	23 S.	2,526	5	3	.....	Feb.	16, 1911		
Unalaska	53	54	166	32	6	06 S.	.....	.....	.....	.....	Sept.	6, 1911		
Valdez	61	06	146	13	4	45 S.	10	8	5	.....	Sept.	14, 1909		
Valentine, P T W R S	42	50	100	32	1	42 S.	2,598	47	36	54	Sept.	1, 1885		
Vicksburg, P T W R S	32	22	90	53	1	04 S.	247	62	53	74	Sept.	10, 1871		
Wallace	47	28	115	51	2	43 S.	2,753	5	3	.....	Oct.	22, 1907		
								71	63	79	Dec.	1, 1885		
Walla Walla, P T W R S	46	02	118	20	2	53 S.	1,000	107	102	115	.....	.....	July	16, 1911
								.....	100	.....	.....	.....	Nov.	30, 1911
Washington City, P T W R S	38	54	77	03		08 S.	112	62	42	85	Nov.	1, 1870		
Wichita, P T W R S	37	41	97	20	1	29 S.	1,358	98	91	121	July	1, 1888		
								139	132	158	.....	.....	June	30, 1911
Williston, P T W R S	48	09	103	35	1	54 S.	1,872	14	4	56	Nov.	24, 1893		
								40	29	47	.....	.....	Nov.	7, 1910
Wilmington, P T W R S	34	14	77	57		12 S.	78	81	76	91	Jan.	1, 1871		
Winnemucca, P W R S	40	58	117	43	2	51 S.	4,344	18	3	56	July	1, 1877		
Wytheville, P T W R S	36	56	81	05		24 S.	2,293	40	32	47	Nov.	10, 1902		
Yankton, P T W R S	42	54	97	28	1	30 S.	1,233	49	42	57	Apr.	1, 1873		
Yellowstone Park, PTWRS.	44	58	110	42	2	23 S.	6,200	11	4	48	Dec.	2, 1903		
Yuma, P T W S	32	45	114	36	2	38 S.	141	9	2	58	Oct.	4, 1875		

WEST INDIAN STATIONS.

Barbados.[1]														
Bridgetown	13	04	59	37	1	02 F.	30	.....	.....	.....	Aug.	15, 1898		
Curaçao.[1]														
Curaçao, P T	12	06	68	56		24 F.	75	.....	.....	.....	Aug.	9, 1898		
Jamaica.[1]														
Kingston	17	58	76	48		07 S.	24	.....	.....	.....	Aug.	16, 1898		

[1] Reports received during the hurricane season, June 15 to Nov. 15.

TABLE I.—*Latitude, longitude, elevation, etc., of Weather Bureau stations*—Continued.

WEST INDIAN STATIONS—Continued.

Stations.	Latitude.	Longitude.	Local meridian time faster or slower than 75th meridian.	Elevation Dec. 31, 1911.				Observations began.	Date of changes in elevation.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
Trinidad.[1]	° ′	° ′	h. m.	*Feet.*	*Feet.*	*Feet.*	*Feet.*		
Port of Spain, P	10 35	61 30	54 F.	40	.....	.....	.....	Aug. 7, 1898	
Dominica.[1]									
Roseau	15 17	61 23	54 F.	25	.....	.....	.....	Oct. 20, 1898	
Porto Rico.									
San Juan, P T W R S	18 29	66 07	36 F.	82	48	40	90	Nov. 1, 1898	
Santo Domingo.[1]									
Santo Domingo	18 28	69 53	20 F.	57	.....	.....	.....	.....do.....	
Turks Island.[1]									
Grand Turk, P V	21 21	71 07	16 F.	11	6	2	20	July 1, 1900	

[1] Reports received during the hurricane season, June 15 to Nov. 15.

TABLE II.—*Changes in Weather Bureau stations during 1911.*

DISCONTINUED.

Stations.	Latitude.	Longitude.	Date discontinued.
	° ′	° ′	
Jupiter, Fla	26 57	80 7	Apr. 6
SPECIAL METEOROLOGICAL.			
Ellsworth, Me	.....	.....	Mar. 11
Elkins Ranch, N. Mex	.....	.....	Mar. 31
Dutch Harbor, Alaska	.....	.....	Sept. 5
COTTON.			
Athens, Ga	.....	.....	Sept. 30
Brownwood, Tex	.....	.....	Do.
Dublin, Tex	.....	.....	Do.
Gainesville, Ga	.....	.....	Do.
Greensboro, Ga	.....	.....	Do.
Greenville, Tex	.....	.....	Do.
Greenwood, S. C	.....	.....	Do.
Griffin, Ga	.....	.....	Do.
Kerrville, Tex	.....	.....	Do.
Longview, Tex	.....	.....	Do.
Luling, Tex	.....	.....	Do.
Malvern, Ark	.....	.....	Do.
Newnan, Ga	.....	.....	Do.
Prescott, Ark	.....	.....	Do.
San Diego, Tex	.....	.....	June 30
San Marcos, Tex	.....	.....	Sept. 30
Spartanburg, S. C	.....	.....	Do.
Toccoa, Ga	.....	.....	Do.
Washington, Ga	.....	.....	Do.
Weatherford, Tex	.....	.....	Do.

Stations.	Latitude.	Longitude.	Date discontinued.
CORN AND WHEAT.			
Baker, Kans	.....	.....	Feb. 28
Canton, Ohio	.....	.....	Sept. 30
Cedar Rapids, Iowa	.....	.....	Jan. 31
Circleville, Ohio	.....	.....	Oct. 6
Crookston, Minn	.....	.....	Sept. 30
Dayton, Ohio	.....	.....	July 22
Farmland, Ind	.....	.....	Oct. 1
Flint, Mich	.....	.....	Sept. 30
McPherson, Kans	.....	.....	Do.
Ovid, Mich	.....	.....	Mar. 31
Pembina, N. Dak	.....	.....	Sept. 30
Wahpeton, N. Dak	.....	.....	Do.
RIVER.			
Bowling Green, Ky	.....	.....	Sept. 30
Cedar Rapids, Iowa	.....	.....	Jan. 31
Circleville, Ohio	.....	.....	Oct. 6
Columbus, Ga	.....	.....	Sept. 30
Dayton, Ohio	.....	.....	June 30
Estacada, Oreg	.....	.....	Sept. 13
Flint, Mich	.....	.....	Sept. 30
Fort Wayne, Ind	.....	.....	May 31
Lemoure, N. Dak	.....	.....	June 30
Lewis Ferry, Tex	.....	.....	Sept. 15
Medora, N. Dak	.....	.....	June 30
Monroeville, Cal	.....	.....	Oct. 31
Pollasky, Cal	.....	.....	Nov. 1
Roswell, N. Mex	.....	.....	Jan. 31
Webbers Falls, Okla	.....	.....	Aug. 31

TABLE II.—*Changes in Weather Bureau stations during 1911*—Continued.

DISCONTINUED—Continued.

Stations.	Latitude.	Longitude.	Date discontinued.
RAINFALL.			
Athens, Ga.			Sept. 30
Brownwood, Tex.			Do.
Canton, Ohio.			Do.
Crookston, Minn.			Do.
Dublin, Tex.			Do.
Gainesville, Ga.			Do.
Greensboro, Ga.			Do.
Greenville, Tex.			Do.
Greenwood, S. C.			Do.
Griffin, Ga.			Do.
Kerrville, Tex.			Do.
Longview, Tex.			Do.
Luling, Tex.			Do.
McPherson, Kans.			Do.
Malvern, Ark.			Do.
New Athens, Ill.			June 30
Newnan, Ga.			Sept. 30
Pembina, N. Dak.			Do.
Prescott, Ark.			Do.
San Marcos, Tex.			Do.
Sharon, Pa.			Dec. 15
Spartanburg, S. C.			Sept. 30
Toccoa, Ga.			Do.
Washington, Ga.			Do.
Weatherford, Tex.			Do.
CRANBERRY.			
Middleboro, Mass.			Apr. 15
New Wareham, Mass.			May 20
South Carver, Mass.			Apr. 30
MOUNTAIN SNOWFALL.			
Alma, Colo.			Sept. 30
Austin, Nev.			June 30
Bison Mountain, Mont.			Dec. 31
Brockway, Cal.			June 30
Cliffs, Ariz.			Do.
Dickinson, N. Dak.			June 9
Donner Ice Camp, Cal.			June 30
Downingtown-Pearl, Wyo.			Jan. 31
Edison Mine, N. Mex.			June 30
Grand Canyon, Ariz.			Do.
Half Moon Pass, Mont.			Dec. 31
Long Gulch, Idaho.			Aug. 31
Lost Horse Creek, Mont.			Apr. 30
Medora, N. Dak.			June 30
Mount Rose Ranch, Nev.			Do.
Pocatello Nursery, Idaho.			Do.
Sedona, Ariz.			Do.
Snowshoe, Mont.			May 31
Young, Ariz.			June 30

ESTABLISHED.

REGULAR.			
Dayton, Ohio.			July 9
Fort Wayne, Ind.			May 20
Miami, Fla.			June 3
SPECIAL METEOROLOGICAL.			
Burro Mine, Utah.			Nov. 1
Cedar Rapids, Iowa.			Feb. 1
Cordova, Alaska.			Aug. 15
Dutch Harbor, Alaska.			Aug. 1
East Wareham, Mass.			May 20
Fort Douglas, Utah.			Nov. 1
Grand Forks, N. Dak.			Aug. 15
Halifax, Mass.			May 20
Marstons Mills, Mass.			Do.
Medford, Oreg.			Apr. 1
Medora, N. Dak.			July 1
Meridian, Idaho.			Apr. 1
Provo, Utah.			Mar. 14
Santa Barbara, Cal.			June 15
South Carver, Mass.			May 1
Titusville, Fla.			July 1
Tucson, Ariz.			Feb. 16
Unalaska, Alaska.			Sept. 6
COTTON REGION.			
Alice, Tex.			July 1
Clarendon, Tex.			Apr. 16
Eastland, Tex.			Do.
Haskell, Tex.			Do.
Hondo, Tex.			Do.
Llano, Tex.			Do.
San Diego, Tex.			Do.
Snyder, Tex.			Do.
Spur, Tex.			Do.
CORN AND WHEAT.			
Fessenden, N. Dak.			Aug. 1
Grafton, N. Dak.			June 10
Horton, Kans.			Mar. 1
Napoleon, N. Dak.			June 10
Pollock, S. Dak.			Do.
Sioux Falls, S. Dak.			Do.
Wahpeton, N. Dak.			Do.
Watertown, S. Dak.			Do.
RIVER.			
Allentown, Pa.			Nov. 1
Bensons Ferry, Cal.			Do.
Broxton, S. C.			Oct. 1
Carbondale, Colo.			Dec. 1
Cazadero, Oreg.			Sept. 5
Colfax, Cal.			Dec. 1
Delta, Colo.			Do.
Eagle, Colo.			Do.
Edisto, S. C.			Oct. 1
Florence, Ariz.			Sept. 1
Friant, Cal.			Nov. 1
Gallipolis, Ohio.			Oct. 1
Harris Ferry, Tex.			Dec. 1
Highway Bridge, N. Mex.			Do.
Jacinto, Cal.			Nov. 1
Neuse, N. C.			July 1
Nicolaus, Cal.			Sept. 16
North Muskogee, Okla.			Nov. 16
Oregon City, Oreg.			Oct. 1
Sapinero, Colo.			Dec. 1
Sharon, Pa.			Dec. 16
Shiprock, N. Mex.			Sept. 1
Smithfield, N. C.			July 1
Wyandotte, Okla.			Nov. 16

TABLE II.—*Changes in Weather Bureau stations during 1911*—Continued.

ESTABLISHED—Continued.

Stations.	Latitude.	Longitude.	Date discontinued.
CRANBERRY.			
Berlin, Wis.			July 1
MOUNTAIN SNOWFALL.			
Anchor Mine, N. Mex.			July 1
Lone Pine, Cal.			Dec. 1
Oro, Colo.			Nov. 1
Reese River, Nev.			July 1
Yosemite, Cal.			Nov. 1
COTTON REGION AND RAINFALL.			
Athens, Ga.			Oct. 1
Brownwood, Tex.			Do.
Dublin, Tex.			Do.
Gainesville, Ga.			Do.
Greensboro, Ga.			Do.
Greenville, Tex.			Do.
Greenwood, S. C.			Do.
Griffin, Ga.			Do.
Kerrville, Tex.			Do.
Longview, Tex.			Do.
Luling, Tex.			Do.
Malvern, Ark.			Do.
Newnan, Ga.			Do.
Prescott, Ark.			Do.
San Marcos, Tex.			Do.
Spartanburg, S. C.			Do.
COTTON REGION AND RAINFALL—continued.			
Toccoa, Ga.			Oct. 1
Washington, Ga.			Do.
Weatherford, Tex.			Do.
CORN AND WHEAT REGION AND RAINFALL.			
Canton, Ohio.			Oct. 1
Crookston, Minn.			Do.
Farmland, Ind.			Do.
McPherson, Kans.			Do.
Pembina, N. Dak.			Do.
Wahpeton, N. Dak.			Do.
CORN AND WHEAT REGION AND RIVER.			
Bowling Green, Ky.			Oct. 1
Circleville, Ohio.			Do.
Flint, Mich.			Do.
COTTON REGION AND RIVER.			
Columbus, Ga.			Oct. 1
CORN AND WHEAT REGION AND MOUNTAIN SNOWFALL.			
Dickinson, N. Dak.			June 10

SUNSHINE, 1911.

The following tables give for 138 stations the monthly amounts of sunshine and percentage of the possible, as derived from the automatic records made by an instrument designated the thermometric recorder illustrated in the preceding volumes of this series.

This instrument does not record satisfactorily the duration of sunshine for about one hour after sunrise and for about one hour before sunset, and on this account it has been considered necessary to apply to the record for these hours what has been designated a "twilight correction." The amount of this correction is found by noting the comparative clearness of the sky during the time that elapses between the hour of sunrise and the moment the instrument begins to record and between the time the instrument ceases to act and the hour of sunset.

The average cloudiness of the whole sky is determined by numerous personal observations at all stations during the daytime, and is given in the column "daylight" under "cloudiness" in the tables of Part III.

Sunshine, 1911.

Stations.	January.		February.		March.		April.		May.		June.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.
Albany, N. Y.	104	36	136	46	225	61	276	68	297	65	240	52
Amarillo, Tex.	259	83	229	75	339	91	313	80	342	79	386	89
Asheville, N. C.	155	50	164	54	214	58	198	50	301	69	248	57
Atlanta, Ga.	140	44	124	40	235	63	200	51	313	72	309	72
Atlantic City, N. J.	137	45	132	44	236	63	232	58	326	73	286	64
Augusta, Ga.	201	63	196	63	268	72	245	63	361	84	309	72
Baltimore, Md.	132	43	156	52	254	68	238	60	350	79	307	69
Bentonville, Ark.	141	45	177	58	253	68	192	49	310	71	341	78
Binghamton, N. Y.	88	30	85	29	164	44	187	47	246	55	169	37
Birmingham, Ala.	108	34	107	35	270	73	225	58	372	86	293	68
Bismarck, N. Dak.	181	65	218	75	276	75	276	68	332	71	312	66
Block Island, R. I.	122	41	135	45	236	64	256	64	286	64	259	57
Boise, Idaho.	136	47	179	61	301	81	283	70	332	72	330	71
Boston, Mass.	110	37	141	47	238	64	300	75	329	73	306	67
Buffalo, N. Y.	78	27	88	30	162	44	186	46	274	60	242	53
Burlington, Vt.	99	34	132	45	200	54	247	61	288	63	254	55
Canton, N. Y.	101	35	131	43	197	53	262	65	307	67	243	52
Charles City, Iowa.	120	41	157	53	248	67	240	60	360	79	395	86
Charleston, S. C.	227	71	228	74	273	73	300	77	376	87	331	77
Chattanooga, Tenn.	115	37	112	37	214	58	201	51	342	79	293	68
Cheyenne, Wyo.	191	64	225	75	268	72	279	69	287	64	315	70
Chicago, Ill.	82	28	129	44	234	63	224	56	357	79	361	79
Cincinnati, Ohio.	81	27	122	41	192	52	202	51	339	76	292	66
Cleveland, Ohio.	88	30	98	33	172	46	205	51	336	74	294	65
Columbia, Mo.	116	38	176	58	257	69	196	49	330	74	351	79
Columbus, Ohio.	94	31	120	40	206	56	242	61	389	87	361	81
Concordia, Kans.	143	47	186	62	291	78	271	68	284	64	384	85
Denver, Colo.	263	87	229	76	323	87	327	82	329	74	341	76
Des Moines, Iowa.	99	34	142	48	271	73	241	60	270	60	323	71
Detroit, Mich.	83	28	94	32	182	49	208	52	318	70	251	55
Devils Lake, N. Dak.	125	45	220	77	248	67	293	71	293	62	260	54
Dodge, Kans.	163	53	195	65	312	84	303	77	267	60	373	84
Dubuque, Iowa.	94	32	143	48	243	66	194	48	316	70	309	68
Durango, Colo.	178	58	185	61	257	69	292	74	341	78	338	77
Eastport, Me.	67	23	117	40	163	44	231	57	223	48	207	44
Elkins, W. Va.	88	29	84	28	114	31	114	29	268	60	257	58
El Paso, Tex.	240	75	166	54	298	80	324	83	403	94	352	83
Erie, Pa.	59	20	78	26	148	40	219	55	306	68	240	53
Escanaba, Mich.	144	51	136	47	183	50	247	61	267	58	282	60
Eureka, Cal.	103	35	158	53	184	50	192	48	187	42	179	40
Flagstaff, Ariz.	178	57	229	75	229	62	314	80	420	97	348	80
Fort Smith, Ark.	135	43	151	49	239	64	190	48	353	81	342	78
Fresno, Cal.	144	47	223	74	212	57	317	80	394	90	424	96
Galveston, Tex.	192	59	205	66	220	59	228	59	335	79	369	88
Grand Haven, Mich.	55	19	93	32	192	52	233	58	312	69	308	67
Grand Junction, Colo.	101	33	171	57	250	67	316	80	339	76	326	73
Grand Rapids, Mich.	114	39	133	45	238	64	254	63	301	66	305	66
Green Bay, Wis.	126	44	150	51	239	65	282	70	307	67	333	71
Harrisburg, Pa.	110	37	119	40	213	57	196	49	267	60	241	54
Hartford, Conn.	99	34	133	45	204	55	231	58	234	52	222	49
Havre, Mont.	128	47	208	73	197	53	199	48	206	43	321	66
Helena, Mont.	98	35	193	67	281	76	252	62	266	57	261	55
Honolulu, Hawaii.	147	43	191	60	231	62	205	54	264	65	256	64
Houston, Tex.	176	54	153	49	216	58	159	41	321	76	363	86
Huron, S. Dak.	133	46	195	66	242	65	240	60	329	72	358	77

Sunshine, 1911—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.
Albany, N. Y.	307	66	253	59	223	59	180	53	112	38	110	39	2,463	54
Amarillo, Tex.	282	64	323	78	299	80	264	75	259	83	231	76	3,524	79
Asheville, N. C.	197	44	203	48	201	54	160	46	184	60	141	47	2,367	53
Atlanta, Ga.	237	54	184	44	210	57	195	55	129	41	134	43	2,410	53
Atlantic City, N. J.	327	72	305	72	228	61	202	58	190	63	153	52	2,753	60
Augusta, Ga.	256	59	241	58	224	60	214	61	159	51	148	48	2,821	63
Baltimore, Md.	358	79	276	65	210	56	156	45	160	53	123	42	2,720	59
Bentonville, Ark.	247	56	254	61	295	79	179	51	184	60	144	48	2,719	60
Binghamton, N. Y.	216	47	104	24	143	38	126	37	66	22	57	20	1,651	36
Birmingham, Ala.	225	51	246	59	254	68	197	56	163	52	138	45	2,598	57
Bismarck, N. Dak.	356	74	265	60	197	52	145	43	139	49	96	36	2,793	61
Block Island, R. I.	285	62	238	56	162	43	137	40	132	44	98	34	2,346	51
Boise, Idaho	424	91	394	91	253	68	223	65	123	43	141	51	3,120	68
Boston, Mass.	338	73	281	65	241	64	175	51	171	58	135	47	2,764	60
Buffalo, N. Y.	325	70	252	58	209	56	164	48	71	24	71	25	2,122	45
Burlington, Vt.	344	74	275	63	212	56	150	44	60	21	75	27	2,335	50
Canton, N. Y.	344	73	261	60	203	54	114	34	51	18	86	31	2,298	49
Charles City, Iowa.	404	87	325	76	243	65	193	56	137	47	143	51	2,967	64
Charleston, S. C.	326	75	310	75	310	84	218	62	182	58	156	50	3,238	72
Chattanooga, Tenn.	243	55	199	48	220	59	200	57	137	44	98	32	2,375	52
Cheyenne, Wyo.	281	61	250	59	197	53	206	60	232	78	194	67	2,925	66
Chicago, Ill.	346	75	324	76	214	57	160	47	122	41	120	42	2,673	57
Cincinnati, Ohio.	330	73	213	50	210	56	165	48	125	42	87	30	2,360	51
Cleveland, Ohio.	356	77	260	61	233	62	140	41	60	20	54	19	2,294	48
Columbia, Mo.	296	65	311	73	221	59	142	41	158	50	158	54	2,712	59
Columbus, Ohio.	378	83	302	71	240	64	174	50	117	39	94	33	2,720	58
Concordia, Kans.	370	81	348	82	248	66	202	59	205	68	179	62	3,112	68
Denver, Colo.	310	68	280	66	250	67	224	65	192	64	190	66	3,257	73
Des Moines, Iowa.	384	83	320	75	205	55	181	53	169	57	144	51	2,749	60
Detroit, Mich.	369	80	238	56	183	49	151	44	110	37	79	28	2,266	48
Devils Lake, N. Dak.	368	76	263	59	208	55	139	41	146	53	88	33	2,650	58
Dodge, Kans.	290	65	300	71	269	72	221	64	196	64	209	70	3,098	69
Dubuque, Iowa.	327	71	270	63	198	53	140	41	102	35	139	49	2,476	54
Durango, Colo.	304	68	362	86	283	76	272	78	223	73	212	71	3,248	72
Eastport, Me.	254	54	239	55	179	48	146	43	83	29	60	22	1,967	42
Elkins, W. Va.	305	67	247	58	200	54	121	35	94	31	81	27	1,972	42
El Paso, Tex.	348	80	382	93	314	85	315	89	256	81	230	73	3,628	81
Erie, Pa.	327	71	227	53	207	55	110	32	48	16	67	24	2,035	43
Escanaba, Mich.	294	62	276	63	204	54	120	35	74	26	73	27	2,300	50
Eureka, Cal.	165	36	142	33	180	48	178	52	111	37	93	32	1,872	42
Flagstaff, Ariz.	241	55	279	67	241	65	283	81	268	87	265	83	3,286	74
Fort Smith, Ark.	243	55	254	61	294	79	181	52	192	62	142	46	2,715	60
Fresno, Cal.	421	94	419	100	307	82	324	93	281	92	208	69	3,673	81
Galveston, Tex.	228	53	302	74	258	70	204	57	142	44	94	30	2,778	62
Grand Haven, Mich.	389	84	307	71	201	54	121	35	73	25	92	33	2,375	50
Grand Junction, Colo.	298	66	336	79	212	57	262	76	215	71	200	68	3,026	67
Grand Rapids, Mich.	377	81	312	72	212	57	118	34	61	21	76	27	2,501	53
Green Bay, Wis.	345	73	319	73	204	54	147	43	92	32	114	42	2,658	57
Harrisburg, Pa.	279	61	204	48	215	58	151	44	135	45	97	33	2,228	49
Hartford, Conn.	249	54	182	43	173	46	154	45	155	52	120	42	2,156	48
Havre, Mont.	354	73	306	69	217	58	193	58	102	37	108	42	2,539	56
Helena, Mont.	369	77	271	62	174	46	219	65	118	42	127	48	2,629	58
Honolulu, Hawaii.	234	57	244	61	195	53	229	63	219	65	185	55	2,601	58
Houston, Tex.	256	60	353	81	249	67	230	65	161	50	116	37	2,734	60
Huron, S. Dak.	359	77	256	59	195	52	146	43	154	53	113	41	2,721	59

Sunshine, 1911.—Continued.

Stations.	January.		February.		March.		April.		May.		June.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.
Indianapolis, Ind	84	28	115	38	211	57	216	54	371	83	364	81
Jacksonville, Fla	201	62	202	65	258	69	288	74	298	70	303	72
Kalispell, Mont	66	24	140	49	230	62	239	58	186	39	250	52
Kansas City, Mo	112	37	164	55	272	73	229	58	339	76	370	83
Knoxville, Tenn	109	35	152	50	221	59	201	51	354	81	299	68
La Crosse, Wis	97	33	131	44	199	54	209	52	303	66	316	68
Lander, Wyo	198	68	228	77	315	85	295	73	344	76	345	75
La Salle, Ill	93	31	129	43	249	67	215	54	356	79	331	73
Lexington, Ky	78	25	124	41	178	48	180	45	348	79	272	61
Little Rock, Ark	125	40	148	48	240	65	201	51	342	79	338	78
Los Angeles, Cal	183	58	207	67	164	44	214	55	304	70	279	65
Louisville, Ky	117	38	142	47	227	61	198	50	351	80	322	73
Lynchburg, Va	149	48	132	44	222	60	177	45	342	78	301	68
Macon, Ga	164	52	153	50	262	71	208	53	317	74	278	65
Madison, Wis	78	27	122	41	196	53	186	46	307	68	317	69
Marquette, Mich	107	38	97	34	187	51	237	58	256	55	250	53
Memphis, Tenn	115	37	150	49	279	75	209	53	363	84	310	71
Meridian, Miss	131	41	129	42	259	70	239	61	366	85	298	70
Milwaukee, Wis	100	34	138	47	211	57	223	56	254	56	271	59
Mobile, Ala	213	66	220	71	283	76	269	69	360	85	336	79
Modena, Utah	114	37	168	56	206	55	296	75	347	79	342	77
Mount Tamalpais, Cal	91	30	156	52	215	58	299	76	309	70	393	89
Mount Weather, Va	161	53	160	53	213	57	192	48	383	86	274	61
New Haven, Conn	132	44	140	47	241	65	271	68	283	63	266	59
New Orleans, La	201	62	193	62	232	62	192	50	331	78	256	61
New York, N. Y	139	47	144	48	250	67	260	65	323	72	287	64
Norfolk, Va	164	53	163	54	238	64	192	49	328	75	287	65
Northfield, Vt	121	42	150	51	242	65	298	74	310	68	233	50
North Head, Wash	68	24	178	61	194	53	232	57	163	35	201	43
North Platte, Nebr	188	63	213	71	284	77	245	61	262	58	389	86
Oklahoma, Okla	146	47	146	48	265	71	229	58	343	79	396	91
Omaha, Nebr	92	31	142	48	244	66	215	54	256	57	316	69
Parkersburg, W. Va	62	21	109	36	149	40	178	45	313	70	267	60
Peoria, Ill	97	32	142	48	241	65	198	50	357	79	363	80
Philadelphia, Pa	132	44	139	46	249	67	244	61	343	77	275	61
Phoenix, Ariz	193	61	212	69	284	77	351	90	407	95	363	85
Pittsburgh, Pa	74	25	78	26	184	50	191	48	288	64	252	56
Pocatello, Idaho	112	38	191	65	281	76	254	63	317	70	301	66
Port Huron, Mich	72	25	112	38	196	53	227	56	314	69	229	50
Portland, Me	135	47	161	55	247	67	281	69	282	62	259	56
Portland, Oreg	30	11	117	40	210	57	220	54	150	32	239	51
Providence, R. I	115	39	136	46	234	63	255	64	266	59	261	57
Pueblo, Colo	264	86	246	82	318	86	278	70	317	72	314	71
Raleigh, N. C	131	42	147	48	223	60	205	52	338	78	287	66
Rapid City, S. Dak	145	50	162	55	250	68	226	56	315	69	259	56
Richmond, Va	161	53	142	47	244	66	205	52	364	82	274	62
Rochester, N. Y	72	25	92	31	186	50	234	58	344	76	269	59
Roswell, N. Mex	187	59	108	35	255	69	237	61	325	76	307	72
Sacramento, Cal	142	47	197	66	221	60	279	70	288	65	332	74
St. Louis, Mo	113	37	161	54	252	68	212	53	380	86	332	74
St. Paul, Minn	126	44	182	62	254	68	214	53	324	70	334	72
Salt Lake City, Utah	97	33	145	49	225	61	252	63	290	65	251	55
San Antonio, Tex	101	31	88	28	113	30	90	23	182	43	250	60
San Diego, Cal	172	54	193	63	209	56	244	62	286	67	235	55
San Francisco, Cal	124	41	179	59	177	48	233	59	257	58	230	52

Sunshine, 1911.—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.
Indianapolis, Ind	369	81	310	73	248	66	179	52	138	46	117	40	2,721	58
Jacksonville, Fla	306	71	260	63	293	79	183	52	138	43	159	50	2,887	64
Kalispell, Mont	328	68	267	60	190	50	194	58	71	25	35	14	2,196	47
Kansas City, Mo.	325	72	339	80	207	55	126	36	150	50	178	61	2,812	61
Knoxville, Tenn	287	65	257	61	257	69	207	59	165	54	124	41	2,632	58
La Crosse, Wis	349	74	299	69	202	54	143	42	71	25	79	29	2,398	51
Lander, Wyo	383	82	360	84	260	69	238	70	141	48	136	49	3,244	71
La Salle, Ill	373	81	316	74	189	50	185	54	157	53	144	50	2,737	59
Lexington, Ky	279	62	222	53	191	51	138	40	99	33	90	30	2,198	47
Little Rock, Ark	186	42	234	56	288	78	198	57	180	58	132	43	2,613	58
Los Angeles, Cal	315	72	343	83	292	79	283	81	259	83	264	86	3,107	70
Louisville, Ky	308	68	241	57	235	63	147	42	119	39	93	31	2,500	54
Lynchburg, Va	338	76	303	72	231	62	172	49	136	45	116	39	2,620	57
Macon, Ga	217	50	233	56	241	65	191	54	149	47	126	41	2,539	56
Madison, Wis	340	73	278	65	183	49	126	37	94	32	136	49	2,364	51
Marquette, Mich	300	63	241	55	188	50	115	34	76	27	85	32	2,140	46
Memphis, Tenn	236	54	226	54	295	79	212	61	156	50	96	32	2,649	58
Meridian, Miss	236	54	243	59	276	74	230	65	192	61	125	40	2,724	60
Milwaukee, Wis	320	69	262	61	173	46	117	34	104	36	120	43	2,294	50
Mobile, Ala	280	65	275	67	274	74	215	61	176	55	120	38	3,020	67
Modena, Utah	281	63	366	87	279	75	278	80	241	79	193	65	3,112	69
Mount Tamalpais, Cal	435	97	408	97	297	80	267	77	224	74	174	59	3,270	72
Mount Weather, Va	315	70	230	54	216	58	168	48	140	46	102	35	2,554	56
New Haven, Conn	300	66	238	56	231	62	186	54	160	54	132	46	2,579	57
New Orleans, La	194	45	232	57	204	55	230	65	160	50	112	35	2,536	57
New York, N. Y	328	72	262	61	242	65	178	52	179	60	140	49	2,733	60
Norfolk, Va	313	70	281	67	203	55	156	45	148	49	150	50	2,623	58
Northfield, Vt	304	65	218	50	173	46	127	37	87	30	84	30	2,344	51
North Head, Wash	221	46	220	50	184	49	192	57	70	25	78	29	2,002	44
North Platte, Nebr	318	69	288	67	224	60	175	51	187	63	166	58	2,937	65
Oklahoma, Okla	300	68	348	84	307	83	231	66	179	58	174	57	3,064	68
Omaha, Nebr	287	63	252	59	148	39	169	49	161	54	160	56	2,443	54
Parkersburg, W. Va	285	63	206	49	154	41	99	29	77	26	74	25	1,974	42
Peoria, Ill	395	86	326	76	221	59	166	48	154	52	154	53	2,816	61
Philadelphia, Pa	327	72	266	63	228	61	160	46	145	49	125	43	2,632	58
Phoenix, Ariz	322	74	358	87	286	77	283	80	280	89	252	81	3,590	80
Pittsburgh, Pa	288	63	226	53	209	56	130	38	85	29	72	25	2,078	44
Pocatello, Idaho	399	86	405	94	263	70	258	75	146	50	114	40	3,040	66
Port Huron, Mich	280	60	276	64	204	55	160	47	73	25	76	27	2,220	47
Portland, Me	319	68	217	50	240	64	198	58	151	52	151	54	2,640	58
Portland, Oreg	334	70	262	60	109	29	149	44	55	19	46	17	1,922	40
Providence, R. I	302	65	221	52	189	50	159	46	176	60	140	49	2,454	54
Pueblo, Colo	242	54	288	68	278	74	252	73	232	76	239	81	3,268	74
Raleigh, N. C	287	65	282	67	242	65	164	47	154	50	133	44	2,595	57
Rapid City, S. Dak	295	63	259	60	260	69	224	66	171	59	158	57	2,723	61
Richmond, Va	330	73	275	65	238	64	155	45	138	46	112	38	2,637	58
Rochester, N. Y	389	84	276	64	230	61	185	54	97	33	86	31	2,461	52
Roswell, N. Mex	294	67	314	76	270	73	269	77	240	77	206	66	3,012	67
Sacramento, Cal	414	92	382	90	319	86	276	80	209	69	188	64	3,248	72
St. Louis, Mo	349	77	282	66	232	62	147	43	157	52	105	36	2,722	59
St. Paul, Minn	358	76	314	72	205	54	175	52	120	42	88	32	2,693	58
Salt Lake City, Utah	362	79	374	88	241	64	264	77	129	43	70	24	2,699	58
San Antonio, Tex	216	51	312	76	219	59	168	47	125	39	115	36	1,979	44
San Diego, Cal	251	57	322	78	282	76	290	82	248	79	246	79	2,978	67
San Francisco, Cal	264	59	200	48	222	59	244	70	212	70	204	69	2,545	58

Sunshine, 1911—Continued.

Stations.	January.		February.		March.		April.		May.		June.	
	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.
San Jose, Cal	130	42	183	60	195	53	284	72	343	78	345	78
San Juan, P. R	186	54	212	65	290	78	258	69	185	46	301	76
San Luis Obispo, Cal	123	39	164	53	129	35	241	61	259	59	254	58
Santa Fé, N. Mex	182	59	200	66	246	66	261	66	320	73	280	64
Sault Ste. Marie, Mich	54	19	76	26	191	52	228	56	262	56	239	50
Savannah, Ga	217	68	216	70	258	69	238	61	327	76	280	66
Seattle, Wash	36	13	96	33	189	51	217	53	186	39	229	48
Sheridan, Wyo	172	60	208	71	282	76	249	59	284	62	327	70
Sioux City, Iowa	134	45	165	56	242	65	188	47	303	67	366	80
Southeast Farallon, Cal	138	45	194	64	177	48	238	60	295	67	213	48
Spokane, Wash	49	18	140	49	251	68	298	73	252	54	312	65
Springfield, Ill	100	33	142	47	232	63	196	49	362	81	334	74
Tacoma, Wash	45	16	143	49	204	55	261	64	211	45	223	47
Tampa, Fla	231	70	238	76	244	65	273	71	279	66	316	76
Toledo, Ohio	93	31	114	38	194	52	206	51	342	76	282	62
Tonopah, Nev	169	55	178	59	226	61	313	79	296	67	346	78
Topeka, Kans	129	43	185	62	268	72	258	65	329	74	362	81
Vicksburg, Miss	128	40	136	44	258	69	217	56	380	89	333	78
Walla Walla, Wash	73	26	140	48	281	76	308	76	294	63	364	77
Washington, D. C	120	39	129	43	215	58	191	48	355	80	256	57
Wilmington, N. C	188	59	184	60	260	70	246	63	286	66	313	72
Winnemucca, Nev	144	48	207	69	288	78	309	77	357	79	364	80
Wytheville, Va	113	37	130	43	216	58	176	44	329	75	298	68
Yankton, S. Dak	136	47	195	66	271	73	200	50	357	79	367	80
Yellowstone Park, Wyo	80	28	195	67	291	79	247	61	300	65	302	65
Yuma, Ariz	204	64	236	76	291	78	368	94	416	97	408	95

Sunshine, 1911—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.
San Jose, Cal	361	81	340	81	312	84	288	83	275	90	245	82	3,302	74
San Juan, P. R	260	64	308	78	237	65	241	66	243	72	207	60	2,928	66
San Luis Obispo, Cal	295	67	327	78	270	73	273	78	237	76	211	69	2,782	62
Santa Fé, N. Mex	214	48	332	79	259	70	252	72	232	75	231	76	3,010	68
Sault Ste. Marie, Mich	296	62	242	55	178	47	89	26	42	15	51	19	1,946	40
Savannah, Ga	232	53	225	54	192	52	147	42	135	43	141	45	2,608	58
Seattle, Wash	309	64	244	55	125	33	128	38	68	24	39	15	1,866	39
Sheridan, Wyo	325	69	235	54	227	60	174	51	109	38	168	61	2,760	61
Sioux City, Iowa	378	82	301	70	208	56	184	54	152	51	137	48	2,760	60
Southeast Farallon, Cal	158	35	147	35	239	64	220	63	225	74	176	60	2,420	55
Spokane, Wash	405	84	332	75	219	58	175	52	55	20	37	14	2,526	52
Springfield, Ill	357	78	306	72	190	51	176	51	170	57	144	50	2,708	59
Tacoma, Wash	286	60	186	42	96	25	85	25	28	10	19	7	1,787	37
Tampa, Fla	240	56	219	54	266	72	195	55	146	45	169	52	2,815	63
Toledo, Ohio	354	77	269	63	205	55	150	44	114	39	72	25	2,394	51
Tonopah, Nev	325	72	417	99	300	80	282	81	241	79	183	62	3,276	73
Topeka, Kans	310	68	354	84	218	59	160	46	166	55	175	60	2,916	64
Vicksburg, Miss	210	48	267	65	298	80	237	67	183	58	120	38	2,768	61
Walla Walla, Wash	[1]374	[1]90	403	92	265	70	232	68	106	37	111	41	2,951	64
Washington, D. C	289	64	244	58	167	45	177	51	145	48	102	35	2,388	52
Wilmington, N. C	324	74	295	71	223	60	199	57	191	61	164	53	2,873	64
Winnemucca, Nev	417	91	418	98	318	85	262	76	192	65	161	56	3,435	75
Wytheville, Va	302	68	277	66	244	65	190	55	148	49	111	37	2,535	55
Yankton, S. Dak	364	78	269	62	198	53	180	53	159	55	127	45	2,823	62
Yellowstone Park, Wyo	385	82	356	82	250	67	240	71	127	44	144	53	2,917	64
Yuma, Ariz	372	85	396	96	331	89	327	93	289	92	268	86	3,905	87

[1] For 27 days only.

EXCESSIVE RAINFALL, 1911.

The table following contains the record of excessive rainfall for the calendar year 1911. Similar records for the years 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, and 1909 were published in the Annual Reports of the Chief of the Weather Bureau, 1897–98, pages 275–280; 1899–1900, pages 300–309; 1900–1901, pages 281–287; 1901–2, pages 268-275; 1902–3, pages 269–278; 1903–4, pages 370–379; 1904–5, pages 376–384; 1905–6, pages 394–405; 1906–7, pages 393–402; 1907–8, pages 387–397; 1908–9, pages 59–70; 1909–10, pages 64–76; 1910–11, pages 64–77, respectively. Previous to 1896 the published data consist of a record of maximum amounts of rainfall in 5 and 10 minute periods and also in 1 and 24 hours. The Annual Report for 1895–96 contains a summary of the records which up to that time had been made at the principal stations supplied with automatic gages.

Table showing the accumulated amounts of precipitation for each five minutes during all storms of 1911 (along the Atlantic coast and Gulf region at stations having normally heavy falls only the more important storms are recorded), in which the rate of fall equaled 0.25 inch in any five minutes or 0.80 inch in one hour, at stations of the Weather Bureau furnished with self-registering gages.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, in which the rate of fall equaled 0.25 inch in any five minutes or 0.80 inch in one hour, at stations of the Weather Bureau furnished with self-registering gages.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
NEW ENGLAND STATES.																				
Eastport, Me.:																				
July 18	5.05 a. m.	8.35 a. m.	1.64	5.41 a. m.	7.18 a. m.	.08	.08	.12	.17	.35	.51	.62	.74	.84	.89	.91	.93	1.06	1.44	
Concord, N. H.:																				
Aug. 28–29	D.N. p. m.	D.N. a. m.	1.06	10.22 p. m.	11.08 p. m.	.03	.09	.12	.22	.27	.39	.51	.65	.79	.85	.88				
Burlington, Vt.:																				
July 6	11.00 a. m.	11.20 a. m.	.65	11.02 a. m.	11.16 a. m.	.01	.20	.50	.64											
Aug. 18–19	7.55 p. m.	D.N. a. m.	1.32	8.08 p. m.	8.36 p. m.	.01	.06	.14	.23	.33	.45	.50								
Northfield, Vt.:																				
July 10	7.34 p. m.	8.10 p. m.	.51	7.36 p. m.	7.54 p. m.	.01	.18	.35	.46	.49										
Aug. 28	11.30 a. m.	8.10 p. m.	2.91	4.42 p. m.	5.32 p. m.	.65	.15	.32	.44	.49	.51	.51	.51	.61	.65	.73				
				5.32 p. m.	6.22 p. m.		.81	.88	1.01	1.13	1.18	1.29	1.43	1.51	1.54	1.55				
				6.22 p. m.	6.45 p. m.		1.55	1.60	2.02	2.15	2.19									
Boston, Mass.:																				
June 13	12.40 p. m.	5.15 p. m.	1.09	3.40 p. m.	4.37 p. m.	.13	.12	.31	.37	.44	.55	.63	.68	.70	.72	.75	.88			
July 28	2.45 a. m.	6.30 p. m.	3.49	11.10 a. m.	12.53 p. m.	1.08	.06	.14	.19	.22	.27	.30	.37	.41	.48	.53	.70	1.16	1.33	1.55
Sept. 25	5.40 p. m.	7.55 p. m.	1.05	5.50 p. m.	6.20 p. m.	T.	.20	.41	.62	.74	.92	1.01								
Nantucket, Mass.:																				
Aug. 15–16	5.55 p. m.	2.15 a. m.	.80	11.40 p. m.	12.10 a. m.	.22	.09	.14	.27	.31	.46	.52								
Aug. 30–Sept. 1	6.25 a. m.	2.30 a. m.	5.07	[1]7.32 p. m.	[1]8.17 p. m.	2.49	.11	.19	.28	.51	.65	.88	1.05	1.21	1.34					
Nov. 18	12.20 a. m.	2.50 a. m.	1.00	11.27 a. m.	11.41 a. m.	.26	.20	.43	.49											
Block Island, R. I.:																				
July 24	7.04 a. m.	12.10 p. m.	.86	8.19 a. m.	8.32 a. m.	.25	.21	.46	.48											
Aug. 26–27	11.15 p. m.	7.18 a. m.	1.40	2.27 a. m.	2.56 a. m.	.07	.08	.16	.28	.54	.91	1.03								
				6.13 a. m.	7.03 a. m.	.36	.09	.18	.24	.42	.47	.56	.62	.71	.78	.84				
				7.03 a. m.	7.53 a. m.		.91	1.02	1.08	1.13	1.20	1.27	1.34	1.41	1.49	1.63				
Aug. 28	2.15 a. m.	10.12 a. m.	3.47	7.53 a. m.	8.43 a. m.		1.7b	1.82	1.93	2.06	2.11	2.25	2.35	2.43	2.50	2.57				
				8.43 a. m.	9.05 a. m.		2.67	2.72	2.80	2.90	2.97									
Providence, R. I.:																				
May 19	5.58 a. m.	8.10 a. m.	.62	7.07 a. m.	7.22 a. m.	.13	.06	.27	.45											
June 13	2.21 p. m.	4.18 p. m.	.94	3.35 p. m.	3.51 p. m.	.35	.18	.36	.54	.56										
Aug. 18	6.18 p. m.	7.15 p. m.	.57	6.32 p. m.	6.39 p. m.	.01	.39	.49												
Aug. 27	3.00 a. m.	7.15 p. m.	1.26	3.14 a. m.	3.30 a. m.	.03	.14	.30	.46	.50										

[1] Aug. 31.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
NEW ENGLAND STATES—contd.																				
Hartford, Conn.:																				
July 12	8.13 p. m.	9.15 p. m.	.51	8.48 p. m.	9.02 p. m.	.03	.08	.32	.47											
July 17	9.13 p. m.	D.N. p. m.	.86	10.05 p. m.	10.55 p. m.	.06	.05	.16	.23	.26	.30	.33	.42	.55	.65	.70				
New Haven, Conn.:																				
July 17	9.13 a. m.	10.36 a. m.	.68	9.58 a. m.	10.30 a. m.	.11	.06	.14	.19	.23	.32	.51	.57							
Aug. 26–27	11.40 p. m.	8.25 p. m.	1.17	2.17 a. m.	2.36 a. m.	.19	.11	.27	.44	.58										
MIDDLE ATLANTIC STATES.																				
Albany, N. Y.:																				
May 19	11.18 p. m.	3.15 p. m.	.75	1.27 p. m.	1.42 p. m.	.01	.20	.42	.55											
July 17	11.55 a. m.	3.35 p. m.	1.04	12.15 p. m.	12.48 p. m.	.01	.29	.42	.49	.54	.59	.65	.68							
Aug. 15	2.25 p. m.	7.30 p. m.	1.62	2.35 p. m.	2.50 p. m.	.02	.32	.70	1.17											
Aug. 18	11.12 a. m.	11.55 a. m.	.79	10.25 a. m.	10.41 a. m.	.03	.31	.57	.74	.75										
Binghamton, N. Y.:																				
July 6	3.50 p. m.	6.30 p. m.	1.00	4.23 p. m.	4.42 p. m.	.10	.14	.33	.72	.79										
Sept. 9	D. N. a. m.	11.30 a. m.	.81	5.00 a. m.	5.18 a. m.	.05	.16	.35	.45	.49										
New York, N. Y.:																				
June 11–12	11.10 p. m.	5.15 a. m.	1.31	11.17 p. m.	12.17 a. m.	T.	.13	.32	.39	.39	.40	.41	.42	.45	.55	.67	.95			
Harrisburg, Pa.:																				
May 1	7.05 p. m.	7.38 p. m.	.58	7.05 p. m.	7.22 p. m.	.00	.17	.36	.50	.58										
Aug. 2–3	4.50 p. m.	D. N. a. m.	1.27	7.21 p. m.	7.38 p. m.	.22	.21	.34	.55	.62										
Aug. 3–4	11.07 p. m.	D. N. a. m.	2.09	11.11 p. m.	12.07 a. m.	.01	.22	.46	.66	.78	.92	1.12	1.27	1.46	1.58	1.67	1.78			
Philadelphia, Pa.:																				
June 20	1.48 p. m.	2.13 p. m.	.54	1.53 p. m.	2.10 p. m.	.01	.08	.17	.39	.53										
July 17	11.00 a. m.	2.35 p. m.	2.06	11.16 a. m.	11.48 a. m.	.01	.19	.49	.99	1.43	1.54	1.65	1.69							
Aug. 11	9.48 p. m.	10.15 p. m.	.48	9.54 p. m.	10.00 p. m.	.01	.37	.46												
Aug. 26–27	7.15 p. m.	12.02 p. m.	2.17	7.45 a. m.	8.02 a. m.	.83	.15	.40	.67	.72										
Scranton, Pa.:																				
May 1	7.20 p. m.	D.N. p. m.	.80	7.43 p. m.	8.24 p. m.	.01									.78					
June 13	3.05 p. m.	4.15 p. m.	.81	3.20 p. m.	3.38 p. m.	.07	.27	.51	.56	.62										
June 23–24	10.00 p. m.	D.N. a. m.	1.30	11.27 p. m.	11.55 p. m.	.25	.08	.21	.29	.38	.49	.53								
July 10	12.58 p. m.	1.35 p. m.	.59	1.02 p. m.	1.25 p. m.	.01	.11	.24	.41	.52	.58									
July 17	8.11 a. m.	1.15 p. m.	1.02	8.27 a. m.	8 51 a. m.	.05	.11	.19	.28	.39	.46									
Aug. 28–29	6.35 p. m.	3.00 p. m.	2.38	8.00 p. m.	[1]	T.	.20	.40	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]			
Atlantic City, N. J.:																				
July 17	12.29 p. m.	2.43 p. m.	.72	1.36 p. m.	2.03 p. m.	.14	.15	.32	.38	.41	.46	.50								
July 21	12.36 p. m.	5.35 p. m.	1.40	1.02 p. m.	1.41 p. m.	.02	.05	.09	.17	.37	.56	.61	.66	.75						
July 24	4.50 p. m.	5.18 p. m.	.47	4.54 p. m.	5.13 p. m.	.01	.09	.18	.37	.45										
Aug. 25–26	8.20 p. m.	7.05 a. m.	1.44	3.02 a. m.	3.10 a. m.	.83	.23	.46												
Nov. 18	D.N. a. m.	10.50 a. m.	1.12	7.17 a. m.	7.42 a. m.	.23	.09	.23	.33	.40	.46									
Baltimore, Md.:																				
May 31	4.35 p. m.	9.00 p. m.	2.05	5.20 p. m.	5.45 p. m.	.03	.06	.13	.32	.50	.77									
				7.42 p. m.	8.15 p. m.	.83	.35	.64	.76	.86	.94	1.04	1.15							
June 12	8.22 p. m.	10.20 p. m.	1.82	8.24 p. m.	9.43 p. m.	.01	.08	.23	.28	.45	.58	.67	.75	.82	.94	.98	1.23	1.67		
July 12	6.10 a. m.	9.10 a. m.	2.06	6.21 a. m.	7.16 a. m.	.01	.11	.30	.48	.62	.75	.92	1.17	1.53	1.77	1.88	1.95			
Aug. 3–4	11.10 p. m.	4.00 a. m.	1.08	1.37 a. m.	1.51 a. m.	.52	.14	.35	.45											
Aug. 4	11.35 a. m.	2.25 p. m.	2.01	11.35 a. m.	12.58 p. m.	.00	.18	.47	.59	.63	.68	.76	.93	1.06	1.18	1.28	1.51	1.82	1.90	
Aug. 25–26	5.20 p. m.	12.25 a. m.	3.04	6.08 p. m.	6.36 p. m.	.03	.19	.75	1.30	1.74	2.22	2.30								
Washington, D. C.:																				
June 12	6.30 p. m.	7.20 p. m.	.86	6.40 p. m.	6.53 p. m.	.01	.28	.63	.84											
June 13	2.08 p. m.	4.10 p. m.	.83	2.08 p. m.	2.22 p. m.	.00	.14	.36	.50											
June 27	3.40 p. m.	4.46 p. m.	.47	3.40 p. m.	3.54 p. m.	.00	.24	.39	.45											
July 7	1.15 p. m.	2.00 p. m.	.88	1.20 p. m.	1.45 p. m.	.01	.26	.43	.67	.77	.85									
July 21	12.52 p. m.	2.40 p. m.	1.39	1.07 p. m.	2.24 p. m.	.04	.09	.18	.20	.29	.48	.73	.83	.84	.88	.89	1.02	1.34		
July 21	8.00 p. m.	10.12 p. m.	1.17	8.03 p. m.	8.13 p. m.	.01	.31	.63												
Aug. 25	4.26 p. m.	6.55 p. m.	.65	6.20 p. m.	6.30 p. m.	.06	.41	.58												
Aug. 26	1.28 p. m.	3.40 p. m.	1.14	2.53 p. m.	3.18 p. m.	.33	.24	.39	.49	.71	.77									
Cape Henry, Va.:																				
June 3	7.50 p. m.	10.25 p. m.	1.36	9.57 p. m.	10.12 p. m.	.83	.16	.44	.48											
Aug. 31	5.17 p. m.	8.20 p. m.	1.31	6.43 p. m.	7.03 p. m.	.54	.17	.34	.42	.48										
Lynchburg, Va.:																				
June 25	12.30 p. m.	1.10 p. m.	.97	12.35 p. m.	12.58 p. m.	.01	.05	.21	.55	.85	.96									
July 7–8	7.50 p. m.	1.20 a. m.	3.47	7.56 p. m.	9.31 p. m.	.01	.13	.28	.35	.36	.38	.61	.80	.93	1.00	1.03	1.10	1.25	1.55	
				10.45 p. m.	11.17 p. m.	1.85	.22	.55	.84	1.14	1.36	1.47	1.51							
July 8	4.45 p. m.	5.30 p. m.	.70	4.51 p. m.	5.22 p. m.	.01	.05	.27	.43	.54	.62	.68								
July 11	3.35 p. m.	4.10 p. m.	.72	3.43 p. m.	4.00 p. m.	.01	.35	.56	.68	.71										
Aug. 14	5.10 p. m.	5.55 p. m.	.77	5.16 p. m.	5.43 p. m.	.01	.06	.34	.43	.58	.67	.71								
Mount Weather, Va.:																				
May 31	2.45 p. m.	4.30 p. m.	.74	3.13 p. m.	3.38 p. m.	.06	.05	.15	.25	.42	.61									
June 24	5.55 p. m.	7.20 p. m.	.67	6.12 p. m.	6.32 p. m.	.03	.16	.42	.47	.56										
July 14	7.45 a. m.	8.25 a. m.	.56	7.59 a. m.	8.14 a. m.	.03	.16	.37	.50											
Aug. 4–5	4.35 p. m.	D. N. a. m.	3.37	4.49 p. m.	6.29 p. m.	.02	.11	.16	.32	.47	.58	.74	.87	.95	1.09	1.21	1.63	2.52	3.09	
Oct. 17–18	4.10 p. m.	D. N. a. m.	2.13	5.00 p. m.	10.40 p. m.	.43	.06	.14	.31	.37	.46	.56	.64	.69	.75	.81	.91	1.16	1.37	

[1] Record incomplete.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MIDDLE ATLANTIC STATES—contd.																				
Norfolk, Va.:																				
June 5	6.45 a. m.	9.00 a. m.	.82	6.51 a. m.	7.26 a. m.	.01	.20	.33	.42	.48	.54	.62	.68							
June 25	6.30 p. m.	D. N. p. m.	.97	8.58 a. m.	9.32 p. m.	.30	.09	.20	.24	.28	.38	.49	.57							
July 12	3.50 p. m.	7.30 p. m.	1.22	5.19 p. m.	5.57 p. m.	.13	.05	.20	.34	.52	.74	.86	.95	1.01						
July 17	10.50 a. m.	2.45 p. m.	1.41	11.32 a. m.	12.18 p. m.	.08	.09	.18	.28	.33	.37	.48	.59	.76	.83	.86				
Aug. 4	11.15 a. m.	4.00 p. m.	1.76	11.31 a. m.	12.11 p. m.	.04	.09	.28	.34	.49	.80	1.07	1.29	1.40						
Aug. 31	3.45 p. m.	8.45 p. m.	2.11	5.01 p. m.	5.21 p. m.	.21	.20	.42	.63	.79										
				5.54 p. m.	6.28 p. m.	1.14	.11	.16	.23	.27	.34	.47	.57							
Dec. 16	8.25 a. m.	1.30 p. m.	1.14	11.10 a. m.	12.01 p. m.	.14	.08	.15	.25	.38	.56	.65	.68	.78	.85	.95	.98			
Richmond, Va.:																				
Aug. 5	1.03 p. m.	4.10 p. m.	.78	1.08 p. m.	1.30 p. m.	.01	.20	.34	.50	.60	.65									
Aug. 6	2.06 p. m.	4.12 p. m.	1.26	2.42 p. m.	3.44 p. m.	.05	.08	.17	.43	.52	.52	.52	.53	.68	.77	.83	1.00	1.19		
Aug. 26	5.36 p. m.	7.04 p. m.	1.09	5.47 p. m.	6.12 p. m.	.01	.30	.74	.95	.98	1.04									
Aug. 28	2.34 p. m.	3.04 p. m.	.47	2.38 p. m.	2.45 p. m.	.01	.32	.45												
Sept. 21	6.15 p. m.	7.30 p. m.	.53	6.30 p. m.	6.44 p. m.	.01	.19	.41	.48											
Oct. 12	3.10 a. m.	8.20 a. m.	1.27	3.13 a. m.	3.27 a. m.	.01	.26	.55	.68											
Wytheville, Va.:																				
July 8	11.52 a. m.	12.45 p. m.	.55	12.32 p. m.	12.42 p. m.	.09	.30	.46												
Aug. 12	7.30 p. m.	10.30 p. m.	1.91	7.49 p. m.	8.25 p. m.	.03	.11	.37	.67	1.02	1.15	1.26	1.32	1.35						
Aug. 31	7.39 a. m.	9.15 a. m.	1.16	7.47 a. m.	8.15 a. m.	.01	.15	.37	.64	.81	.93	.97								
Sept. 21	4.24 p. m.	7.10 p. m.	.74	5.12 p. m.	5.40 p. m.	.04	.07	.22	.35	.47	.55	.60								
SOUTH ATLANTIC STATES.																				
Asheville, N. C.:																				
May 18	2.37 p. m.	4.12 p. m.	1.11	2.56 p. m.	3.33 p. m.	.04	.10	.31	.53	.67	.79	.90	.95	.98						
Aug. 7	2.30 p. m.	3.12 p. m.	1.11	2.36 p. m.	2.51 p. m.	.01	.55	.97	1.06											
Aug. 12	12.45 p. m.	3.55 p. m.	2.83	12.54 p. m.	1.41 p. m.	.01	.38	.75	1.10	1.45	1.79	2.12	2.40	2.53	2.65	2.67				
Aug. 25	3.11 p. m.	3.33 p. m.	.71	3.14 p. m.	3.27 p. m.	.01	.27	.66	.70											
Aug. 26	3.00 p. m.	6.10 p. m.	1.16	3.02 p. m.	3.51 p. m.	.01	.11	.24	.34	.39	.43	.46	.49	.68	.99	.94				
Sept. 21	1.35 p. m.	2.40 p. m.	.58	1.53 p. m.	2.12 p. m.	.05	.10	.28	.44	.52										
Charlotte, N. C.:																				
June 7	3.31 p. m.	8.04 p. m.	1.00	3.45 p. m.	4.15 p. m.	.06	.06	.21	.40	.52	.61	.69								
July 12	1.09 p. m.	2.14 p. m.	.76	1.09 p. m.	1.34 p. m.	.00	.26	.45	.51	.59	.66									
Aug. 3–4	D. N. p. m.	9.45 a. m.	1.23	3.28 a. m.	3.45 a. m.	.23	.25	.41	.51	.54										
Aug. 30	7.12 a. m.	9.51 a. m.	1.15	8.26 a. m.	8.51 a. m.	.16	.11	.30	.53	.81	.94									
Sept. 4	12.19 p. m.	4.55 p. m.	1.15	12.55 p. m.	1.40 p. m.	.05	.11	.27	.34	.55	.68	.76	.84	.89	.97					
Sept. 5–6	6.35 p. m.	D. N. a. m.	2.12	7.40 p. m.	8.43 p. m.	.14	.11	.21	.31	.40	.45	.48	.53	.60	.73	.83	.99	1.12		
Hatteras, N. C.:																				
June 20	7.25 a. m.	9.50 a. m.	1.38	7.40 a. m.	9.16 a. m.	.07	.31	.37	.38	.40	.43	.45	.45	.51	.57	.59	.64	.72	1.06	1.24
Aug. 21	12.45 a. m.	11.20 a. m.	1.80	4.17 a. m.	4.51 a. m.	.51	.11	.16	.20	.22	.40	.67	.74							
Aug. 22	1.35 a. m.	3.30 a. m.	.95	2.36 a. m.	3.08 a. m.	.21	.06	.12	.25	.32	.41	.57	.64							
Sept. 1	1.20 a. m.	4.55 a. m.	1.35	3.54 a. m.	4.12 a. m.	.59	.17	.38	.49	.56										
Sept. 16	8.05 p. m.	10.10 p. m.	1.14	8.10 p. m.	8.36 p. m.	.02	.29	.45	.62	.79	.89	.94								
Dec. 22–23	2.25 p. m.	5.03 a. m.	.80	1.34 a. m.	1.56 a. m.	.28	.20	.32	.35	.43	.47									
Raleigh, N. C.:																				
July 31	12.49 p. m.	1.25 p. m.	.54	12.53 p. m.	1.10 p. m.	.01	.08	.28	.48	.52										
Aug. 4	6.35 a. m.	11.20 a. m.	1.44	7.44 a. m.	8.16 a. m.	.04	.19	.42	.69	.88	1.07	1.17	1.22							
Aug. 14–15	10.06 p. m.	D. N. a. m.	1.46	10.19 p. m.	11.02 p. m.	.05	.08	.28	.48	.60	.74	1.01	1.24	1.32	1.38					
Aug. 20	D. N. a. m.	D. N. a. m.	1.25	2.14 a. m.	2.40 a. m.	.25	.07	.35	.60	.71	.95	.98								
Aug. 30	2.11 p. m.	4.45 p. m.	.86	2.43 p. m.	3.04 p. m.	.02	.19	.57	.60	.67	.70									
Sept. 6	2.51 p. m.	3.17 p. m.	.60	2.55 p. m.	3.11 p. m.	.01	.14	.35	.55	.59										
Wilmington, N. C.:																				
Mar. 13–14	5.25 p. m.	9.50 a. m.	1.40	5.56 p. m.	6.12 p. m.	.01	.26	.43	.53	.54										
June 5	2.40 p. m.	7.20 p. m.	.96	2.47 p. m.	3.08 p. m.	.01	.30	.39	.50	.61	.65									
July 6	12.10 p. m.	1.05 p. m.	1.20	12.12 p. m.	1.03 p. m.	.01	.13	.44	.68	.75	.90	.95	.98	.99	1.05	1.15	1.19			
July 14	12.39 p. m.	1.35 p. m.	.88	12.42 p. m.	1.02 p. m.	.09	.30	.42	.50	.76										
Aug. 4	11.26 a. m.	5.20 p. m.	4.51	11.29 a. m.	12.31 p. m.	.01	.19	.42	.64	.88	1.15	1.30	1.30	1.42	1.65	1.70	1.93	2.09		
				1.68 p. m.	2.13 p. m.	2.09	.29	.33	.59	.91	1.10	1.26	1.42	1.68	1.79	1.92	2.04	2.16		
Aug. 14–15	3.20 p. m.	D. N. a. m.	.97	3.23 p. m.	3.55 p. m.	.02	.07	.18	.29	.46	.56	.70	.78							
Aug. 18	3.54 p. m.	6.05 p. m.	.65	4.08 p. m.	4.34 p. m.	.03	.13	.18	.27	.36	.46	.49								
Aug. 20	8.15 a. m.	4.10 p. m.	3.28	9.52 a. m.	11.12 a. m.	.82	.18	.39	.61	.84	.94	1.02	1.06	1.09	1.14	1.22	1.42	1.92		
Aug. 31	4.00 p. m.	7.10 p. m.	1.00	4.17 p. m.	4.42 p. m.	.09	.12	.26	.49	.52	.69									
Sept. 11	4.20 p. m.	5.50 p. m.	1.71	5.04 p. m.	5.43 p. m.	.02	.31	.67	.96	1.06	1.30	1.50	1.60	1.69						
Sept. 24	10.50 a. m.	12.18 p. m.	.72	11.21 a. m.	11.37 a. m.	.21	.26	.38	.47	.49										
Oct. 11	12.50 p. m.	3.20 p. m.	1.01	1.41 p. m.	2.16 p. m.	.01	.11	.27	.40	.49	.62	.72	.80							
Charleston, S. C.:																				
June 7–8	9.35 p. m.	2.25 a. m.	1.40	10.00 p. m.	10.14 p. m.	.01	.23	.50	.63											
Aug. 10	8.50 a. m.	9.35 a. m.	.58	8.52 a. m.	9.17 a. m.	.01	.20	.34	.44	.49	.56									
Aug. 20	2.20 p. m.	5.30 p. m.	1.27	3.34 p. m.	3.53 p. m.	.14	.24	.45	.60	.71										
Aug. 27	D. N. a. m.	10.25 a. m.	1.23	8.07 a. m.	8.29 a. m.	.43	.10	.28	.45	.70	.77									
Sept. 2	D. N. a. m.	10.50 a. m.	2.97	3.07 a. m.	3.54 a. m.	.01	.08	.27	.54	.85	1.00	1.17	1.35	1.50	1.59	1.63				
Sept. 5	9.42 a. m.	10.35 a. m.	.61	10.02 a. m.	10.18 a. m.	.01	.27	.37	.56	.59										
Sept. 6–7	11.10 p. m.	D. N. a. m.	.71	11.16 p. m.	11.46 p. m.	.01	.11	.26	.35	.42	.57	.76								
Oct. 1	10.14 a. m.	5.00 p. m.	1.81	10.19 a. m.	10.54 a. m.	.01	.19	.37	.62	.81	1.02	1.15	1.21							
Dec. 20–21	10.50 a. m.	D. N. a. m.	2.18	10.09 p. m.	10.48 p. m.	1.19	.09	.19	.29	.35	.44	.47	.55	.61						

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
SOUTH ATLANTIC STATES—contd.																				
Columbia, S. C.:																				
June 7–8	6.02 p. m.	D. N. a. m.	1.95	6.04 p. m.	6.38 p. m.	.01	.18	.53	.79	.92	1.17	1.38	1.46							
				10.20 p. m	11.10 p. m.	.01	.18	.45	.69	.85	.94	1.17	1.44	1.70	1.99	2.11				
June 19–20	10.18 a. m.	D. N. a. m.	4.09	11.10 p. m.	12.01 a. m.		2.13	2.13	2.13	2.14	2.15	2.20	2.43	2.67	2.91	3.20				
				12.01 a. m.	12.25 a. m.		3.48	3.69	3.72	3.84	3.92									
July 23	5.30 p. m.	7.00 p. m.	.72	6.14 p. m.	6.42 p. m.	.13	.10	.19	.24	.36	.50	.57								
Aug. 17	9.18 p. m.	10.45 p. m.	.67	9.36 p. m.	9.51 p. m.	.04	.18	.40	.52											
Aug. 20	7.06 p. m.	9.45 p. m.	.99	7.06 p. m.	7.16 p. m.	.00	.45	.91												
Aug. 27–28	D. N. p. m.	D. N. a. m.	1.08	1.46 a. m.	2.18 a. m.	.35	.08	.17	.26	.30	.44	.52	.56							
Aug. 30	9.52 p. m.	11.15 p. m.	.81	9.54 p. m.	10.28 p. m.	.01	.07	.20	.27	.35	.39	.61	.70							
Sept. 5	11.52 a. m.	12.45 p. m.	.68	12.13 p. m.	12.37 p. m.	.02	.15	.32	.50	.62	.66									
Sept. 9	3.04 p. m.	4.10 p. m.	.76	3.06 p. m.	3.41 p. m.	.01	.12	.28	.32	.37	.51	.66	.72							
Sept. 21	12.55 p. m.	3.30 p. m.	.67	12.58 p. m.	1.18 p. m.	.01	.10	.32	.46	.52										
Sept. 21	8.04 p. m.	9.32 p. m.	1.25	8.06 p. m.	8.25 p. m.	.01	.16	.42	.79	1.00										
Sept. 23	5.45 a. m.	8.50 a. m.	.86	6.10 a. m.	6.33 a. m.	.03	.14	.26	.45	.58	.61									
Oct. 1	D. N. a. m.	D. N. a. m.	.56	4.26 a. m.	4.37 a. m.	.01	.21	.43	.46											
Dec. 15–16	8.05 a. m.	10.10 a. m.	2.44	8.58 p. m.	9.18 p. m.	.53	.11	.30	.47	.52										
Augusta, Ga.:																				
June 4	8.45 p. m.	D. N. p. m.	.88	10.12 p. m.	10.35 p. m.	.30	.06	.15	.29	.48	.55									
June 18	5.35 p. m.	8.30 p. m.	2.91	5.42 p. m.	6.20 p. m.	.02	[1].56	[1].80	2.11	2.26	2.46	2.65	2.77	2.88						
June 19	5.05 p. m.	7.30 p. m.	.72	6.23 p. m.	6.42 p. m.	.10	.14	.28	.41	.46										
June 21	7.30 p. m.	8.40 p. m.	.82	7.37 p. m.	7.57 p. m.	.02	[1].19	[1].39	[1].62	[1].75										
July 9	4.30 p. m.	5.45 p. m.	.64	4.48 p. m.	5.01 p. m.	.01	.26	.53	.62											
July 18	4.05 p. m.	6.20 p. m.	2.38	4.05 p. m.	4.38 p. m.	.00	.18	.59	1.03	1.37	1.73	2.14	2.24							
Aug. 26	5.10 p. m.	6.30 p. m.	1.24	5.12 p. m.	5.38 p. m.	.01	.16	.45	.68	.86	1.08	1.15								
Oct. 10–11	4.54 p. m.	D. N. a. m.	2.69	5.16 p. m.	5.51 p. m.	.10	.05	.11	.28	.51	.82	1.14	1.26							
Oct. 27–28	12.10 p. m.	10.30 a. m.	2.45	1.28 p. m.	1.58 p. m.	.11	.06	.13	.26	.34	.45	.52								
Nov. 18	D. N. a. m.	D. N. a. m.	.83	3.42 a. m.	4.02 a. m.	.03	.14	.27	.51	.76										
Dec. 15–16	D. N. p. m.	7.02 a. m.	2.02	6.46 p. m.	7.27 p. m.	.46	.15	.19	.32	.37	.43	.46	.57	.81	.86					
Dec. 22–23	D. N. a. m.	D. N. a. m.	2.45	8.20 a. m.	8.48 a. m.	.56	.08	.23	.30	.40	.49	.55								
Savannah, Ga.:																				
June 6	6.43 p. m.	7.25 p. m.	1.02	6.44 p. m.	7.04 p. m.	.01	.10	.36	.67	.87										
June 18	1.14 p. m.	5.45 p. m.	2.64	1.22 p. m.	2.52 p. m.	.01	.14	.28	.36	.45	.46	.48	.59	.93	1.24	1.37	1.59	2.34	2.52	
July 19	12.20 a. m.	D. N. a. m.	1.55	2.28 a. m.	3.27 a. m.	.64	.07	.33	.33	.43	.53	.53	.62	.67	.67	.78	.91			
Aug. 21	1.03 a. m.	1.45 a. m.	.58	1.05 a. m.	1.28 a. m.	.01	.19	.33	.45	.52	.57									
Aug. 22	11.05 p. m.	11.55 p. m.	.64	11.11 p. m.	11.20 p. m.	.01	.37	.60												
Sept. 17	4.22 p. m.	4.45 p. m.	.61	4.24 p. m.	4.34 p. m.	.01	.40	.54												
Sept. 21	7.06 p. m.	10.25 p. m.	1.06	7.12 p. m.	8.02 p. m.	.03	.05	.12	.17	.22	.28	.43	.55	.66	.71	.77				
Oct. 10	10.23 a. m.	1.58 p. m.	1.65	10.29 a. m.	10.54 a. m.	.01	.18	.28	.37	.48	.54									
				11.28 a. m.	12.06 p. m.	.61	.09	.25	.44	.58	.66	.70	.78	.82						
Oct. 11	3.47 p. m.	5.15 p. m.	.65	4.12 p. m.	4.34 p. m.	.07	.07	.15	.32	.50	.57									
Jacksonville, Fla.:																				
June 30	5.36 p. m.	6.42 p. m.	.72	5.38 p. m.	6.05 p. m.	.01	.25	.37	.48	.54	.57	.63								
Aug. 4	9.20 a. m.	12.50 p. m.	2.49	9.32 a. m.	11.06 a. m.	.01	.25	.37	.44	.45	.45	.46	.46	.51	.62	.86	1.41	2.10	2.37	
Aug. 10	12.50 p. m.	2.05 p. m.	1.17	1.02 p. m.	1.59 p. m.	.01	.22	.27	.32	.44	.49	.49	.58	.72	.84	.95	1.16			
Aug. 21	11.30 a. m.	3.35 p. m.	.63	1.54 p. m.	2.12 p. m.	.29	.13	.27	.40	.48										
Aug. 28–30	7.35 a. m.	D. N. a. m.	3.11	5.26 p. m.	6.01 p. m.	.46	.28	.39	.57	.60	.66	.73	.82							
Aug. 31	2.10 p. m.	8.45 p. m.	.68	2.10 p. m.	2.29 p. m.	.00	.20	.30	.43	.50										
Oct. 26–27	12.23 p. m.	D. N. a. m.	1.56	6.05 p. m.	6.32 p. m.	.42	.14	.32	.39	.48	.58	.65								
Oct. 31	D. N. a. m.	5.30 a. m.	1.34	3.10 a. m.	3.35 a. m.	.11	.12	.32	.46	.62	.76									
Nov. 28	D. N. a. m.	1.50 p. m.	1.96	4.29 a. m.	4.51 a. m.	.80	.19	.28	.35	.42	.47									
Dec. 20	7.30 a. m.	4.50 p. m.	1.14	2.00 p. m.	2.12 p. m.	.50	.31	.48	.53											
Dec. 27	6.25 a. m.	8.15 a. m.	.56	6.40 a. m.	6.54 a. m.	.05	.20	.37	.49											
FLORIDA PENINSULA.																				
Miami, Fla.:																				
July 7	D. N. a. m.	D. N. a. m.	.66	2.42 a. m.	3.09 a. m.	.01	.09	.23	.31	.40	.49	.54								
Aug. 7	2.05 p. m.	4.55 p. m.	.72	2.12 p. m.	2.37 p. m.	.01	.11	.37	.49	.54	.60									
Aug. 8	12.03 p. m.	1.15 p. m.	1.34	12.09 p. m.	12.40 p. m.	.02	.40	.63	.86	1.01	1.15	1.23	1.28							
Aug. 9	7.15 a. m.	9.10 a. m.	.77	7.30 a. m.	7.55 a. m.	.02	.28	.45	.52	.60	.69									
Aug. 14	5.23 a. m.	8.40 a. m.	1.42	5.25 a. m.	6.09 a. m.	.01	.18	.32	.38	.49	.56	.66	.78	.95	1.03					
Sept. 18	2.45 p. m.	3.40 p. m.	.77	2.58 p. m.	3.31 p. m.	.01	.18	.29	.38	.46	.62	.72	.76							
Oct. 13	6.40 p. m.	8.55 p. m.	2.04	6.42 p. m.	7.32 p. m.	.01	.07	.28	.45	.71	1.01	1.35	1.55	1.64	1.68	1.74	1.84	2.02		
Nov. 21	D. N. a. m.	10.50 a. m.	1.62	8.45 a. m.	9.17 a. m.	.90	.07	.14	.30	.45	.54	.58	.63							
Key West, Fla.:																				
Mar. 31	5.30 a. m.	9.25 a. m.	1.64	5.36 a. m.	5.52 a. m.	.01	.30	.88	1.19	1.22										
May 4	6.50 p. m.	11.30 p. m.	.75	7.54 p. m.	8.12 p. m.	.20	.21	.34	.43	.50										
May 20	4.55 p. m.	6.10 p. m.	.94	4.59 p. m.	5.48 p. m.	.01	.09	.10	.16	.20	.25	.43	.51	.67	.85	.91				
June 28	1.38 a. m.	7.10 a. m.	1.61	1.55 a. m.	2.12 a. m.	.07	.15	.34	.45	.51										
Aug. 13–14	9.10 p. m.	1.00 a. m.	1.54	9.20 p. m.	9.34 p. m.	.03	.40	.64	.74											
				11.05 p. m.	11.37 p. m.	.94	.14	.22	.28	.34	.49	.55	.57							
Aug. 15	3.40 a. m.	7.05 a. m.	1.31	5.45 a. m.	6.04 a. m.	.75	.14	.35	.45	.53										
Aug. 21	5.00 p. m.	6.45 p. m.	1.12	5.26 p. m.	6.02 p. m.	.05	.08	.17	.58	.76	.88	.96	1.05	1.06						
Oct. 13	8.40 a. m.	9.46 a. m.	.76	8.59 a. m.	9.16 a. m.	.01	(1)	(1)	(1)	.64										
Oct. 26	7.31 p. m.	11.35 p. m.	1.18	9.29 p. m.	11.05 p. m.	.32	.07	.26	.37	.40	.51	.55	.63	.66						
Nov. 19–21	5.00 p. m.	D. N. a. m.	4.21	5.07 p. m.	5.26 p. m.	.01	.46	.61	.72	.82										

[1] Record incomplete.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
EAST GULF STATES.																				
Atlanta, Ga.:																				
July 4	2.20 p. m.	4.50 p. m.	.61	2.23 p. m.	2.54 p. m.	.01	.05	.14	.24	.35	.43	.52								
July 13	2.05 p. m.	6.00 p. m.	1.45	2.31 p. m.	3.05 p. m.	.01	.11	.49	.79	1.03	1.15	1.23	1.27							
July 16	7.10 p. m.	D. N. p. m.	1.17	8.24 p. m.	8.54 p. m.	.21	.14	.19	.23	.36	.51	.57								
Sept. 25	10.39 a. m.	11.40 a. m.	.54	10.45 a. m.	11.10 a. m.	.01	.11	.20	.35	.43	.50									
Oct. 16–17	5.54 p. m.	1.25 a. m.	1.29	7.39 p. m.	8.02 p. m.	.29	.27	.43	.62	.75	.81									
Macon, Ga.:																				
May 22	2.37 p. m.	4.25 p. m.	.98	2.56 p. m.	3.26 p. m.	.01	.19	.46	.56	.66	.81	.93								
July 16	1.05 p. m.	1.34 p. m.	.55	1.05 p. m.	1.20 p. m.	.00	.06	.24	.51											
Sept. 23	6.37 a. m.	7.30 a. m.	.94	6.39 a. m.	7.02 a. m.	.01	.27	.53	.68	.85	.89									
Sept. 23	11.25 a. m.	12.20 p. m.	1.16	11.34 a. m.	12.08 p. m.	.01	.28	.46	.60	.80	.95	1.09	1.13							
Oct. 10	8.10 p. m.	D. N. p. m.	.92	9.57 p. m.	10.20 p. m.	.23	.06	.32	.51	.62	.67									
Oct. 17	D. N. a. m.	4.55 p. m.	1.65	1.36 p. m.	1.57 p. m.	.32	.20	.35	.41	.50	.54									
Oct. 27	D. N. a. m.	7.01 a. m.	1.20	4.12 a. m.	4.39 a. m.	.08	.17	.39	.57	.68	.77	.81								
Dec. 15	10.25 a. m.	5.30 p. m.	1.21	11.41 a. m.	12.06 p. m.	.14	.08	.24	.32	.46	.52									
Thomasville, Ga.:																				
Mar. 26–27	5.05 p. m.	8.18 a. m.	2.58	10.42 p. m.	11.28 p. m.	1.03	.41	.54	.55	.61	.68	.76	.81	.90	1.10	1.15				
Apr. 5	8.35 a. m.	12.32 p. m.	1.73	10.13 a. m.	11.39 a. m.	.06	.10	.40	.65	.76	.81	.83	.88	.93	1.03	1.09	1.25	1.50	1.64	
May 18	1.25 p. m.	3.22 p. m.	.92	1.35 p. m.	1.53 p. m.	.01	.25	.44	.63	.71										
June 5	4.15 p. m.	7.40 p. m.	.78	4.58 p. m.	5.28 p. m.	.06	.08	.16	.28	.38	.49	.60								
June 21	11.55 a. m.	5.25 p. m.	1.87	12.50 p. m.	1.20 p. m.	.18	.22	.49	1.04	1.17	1.27	1.35								
July 5	2.46 p. m.	3.32 p. m.	.61	2.50 p. m.	3.03 p. m.	.01	.27	.51	.60											
July 9	10.40 a. m.	11.46 a. m.	1.12	11.00 a. m.	11.37 a. m.	.06	.10	.20	.24	.45	.62	.81	1.01	1.05						
July 9	12.21 p. m.	2.28 p. m.	.77	12.56 p. m.	1.16 p. m.	.13	.13	.30	.46	.53										
July 22	10.11 a. m.	11.52 a. m.	1.04	10.24 a. m.	11.17 a. m.	.05	.15	.39	.47	.61	.63	.66	.68	.69	.73	.91	.98			
Aug. 28	8.44 p. m.	D. N. p. m.	1.17	8.46 p. m.	9.40 p. m.	.01	.13	.24	.30	.33	.37	.42	.44	.50	.71	.83	.93			
Aug. 29	3.34 p. m.	6.40 p. m.	.98	4.04 p. m.	4.30 p. m.	.03	.09	.12	.16	.32	.49	.54								
Sept. 16	12.55 p. m.	1.46 p. m.	.72	1.12 p. m.	1.37 p. m.	.07	.13	.22	.31	.42	.63									
Nov. 18	1.00 a. m.	5.00 a. m.	1.39	1.16 a. m.	1.58 a. m.	.01	.10	.29	.58	.79	.80	.99	1.10	1.23	1.28					
Dec. 19–20	10.20 p. m.	1.22 p. m.	2.03	9.44 a. m.	10.04 a. m.	.86	.20	.47	.61	.66										
Dec. 31	9.24 a. m.	12.26 p. m.	1.00	10.58 a. m.	11.23 a. m.	.22	.09	.22	.38	.60	.70									
Pensacola, Fla.:																				
Mar. 22	5.55 p. m.	11.45 p. m.	1.72	8.28 p. m.	9.00 p. m.	.28	.08	.20	.25	.49	.76	.93	.97							
Apr. 5	3.30 a. m.	7.10 a. m.	2.52	4.39 a. m.	5.39 a. m.	.15	.13	.30	.49	.78	1.04	1.25	1.48	1.64	1.75	1.87	2.04			
Apr. 11	5.40 a. m.	1.15 p. m.	2.94	10.22 a. m.	10.51 a. m.	1.15	.20	.30	.39	.45	.48	.54								
				12.19 p. m.	12.44 p. m.	1.91	.38	.66	.84	.92	.99									
Apr. 27–28	9.45 a. m.	12.10 a. m.	3.41	5.42 p. m.	6.13 p. m.	.54	.07	.32	.55	.66	.75	.82	.83							
				10.04 p. m.	10.32 p. m.	1.75	.60	1.03	1.16	1.31	1.46	1.60								
May 1	11.20 a. m.	4.30 p. m.	.71	12.14 p. m.	12.35 p. m.	.04	.23	.32	.43	.53	.56									
June 3	7.25 a. m.	9.50 a. m.	1.41	8.49 a. m.	9.25 a. m.	.11	.11	.23	.42	.72	1.00	1.10	1.26	1.29						
July 8	6.05 p. m.	9.05 p. m.	.79	6.23 p. m.	6.49 p. m.	.01	.09	.22	.34	.48	.62	.66								
				4.04 p. m.	4.54 p. m.		.05	.14	.39	.45	.47	.47	.49	.51	.53	.57				
Aug. 11–12	10.55 a. m.	8.00 a. m.	4.53	4.54 p. m.	5.44 p. m.	.41	.64	.67	.71	.78	1.02	1.29	1.38	1.46	1.56	1.71				
				5.44 p. m.	6.20 p. m.		1.90	2.03	2.16	2.27	2.38	2.50	2.68	2.73						
Sept. 2	9.45 a. m.	11.55 a. m.	.90	9.57 a. m.	10.22 a. m.	.01	.30	.58	.70	.74	.80									
Oct. 10	1.45 a. m.	4.25 a. m.	.95	2.21 a. m.	3.10 a. m.	.06	.05	.19	.32	.36	.43	.45	.46	.51	.71	.79				
	1.05 p. m.	3.15 p. m.	.78	1.40 p. m.	2.07 p. m.	.11	.06	.16	.26	.39	.56	.61								
				3.57 p. m.	4.47 p. m.	.02	.04	.23	.42	.43	.43	.53	.81	1.13	1.30	1.40				
Oct. 10	3.45 p. m.	11.00 p. m.	3.30	4.47 p. m.	5.37 p. m.		1.47	1.52	1.58	1.61	1.68	1.72	1.75	1.80	1.81	1.85				
				5.37 p. m.	6.08 p. m.		1.93	2.00	2.04	2.11	2.15	2.27	2.29							
				7.12 p. m.	7.41 p. m.	2.47	.08	.21	.28	.34	.46	.53								
Oct. 11	3.15 p. m.	4.30 p. m.	.81	3.19 p. m.	3.46 p. m.	.01	.15	.36	.52	.64	.78	.80								
Nov. 27	9.25 a. m.	8.35 p. m.	2.82	5.43 p. m.	6.29 p. m.	.38	.15	.56	.91	1.30	1.58	1.66	1.63	1.70	1.81	1.85				
Dec. 19–20	11.55 a. m.	9.50 a. m.	2.90	4.29 a. m.	4.41 a. m.	1.60	.41	.76	.85											
				1.20 p. m.	2.10 p. m.	.07	.13	.27	.46	.58	.62	.72	.94	1.14	1.20	1.23				
Dec. 22–23	11.00 a. m.	3.15 a. m.	4.05	2.10 p. m.	3.00 p. m.		1.28	1.36	1.47	1.54	1.62	1.66	1.69	1.72	1.78	1.80				
				3.00 p. m.	3.50 p. m.		1.88	2.06	2.10	2.14	2.17	2.21	2.26	2.33	2.42	2.50				
				3.50 p. m.	4.01 p. m.		2.53	2.62	2.67											
Anniston, Ala.:																				
Feb. 19	7.25 p. m.	D. N. p. m.	1.05	7.46 p. m.	8.21 p. m.	.05	.07	.31	.40	.51	.55	.61	.67							
Apr. 4–5	9.20 p. m.	D. N. a. m.	1.19	10.05 p. m.	10.35 p. m.	.08	.16	.28	.38	.47	.54	.66								
Apr. 8	12.58 p. m.	4.00 p. m.	1.00	1.23 p. m.	1.44 p. m.	.10	.28	.61	.68	.73										
May 21	3.20 p. m.	4.50 p. m.	.75	3.23 p. m.	3.55 p. m.	.02	.27	.39	.45	.47	.57	.67	.70							
May 22–23	6.33 p. m.	D. N. a. m.	1.32	6.41 p. m.	7.28 p. m.	.01	.15	.21	.30	.37	.55	.69	.79	.87	.94	.98				
July 4	2.00 p. m.	2.45 p. m.	.65	2.11 p. m.	2.23 p. m.	.04	.26	.56	.61											
July 31	2.35 p. m.	3.10 p. m.	.70	2.35 p. m.	2.47 p. m.	.00	.15	.63	.69											
Aug. 1	12.30 p. m.	2.00 p. m.	.63	12.46 p. m.	1.03 p. m.	.04	.13	.38	.50	.57										
Aug. 12	1.05 p. m.	6.00 p. m.	.68	1.50 p. m.	2.17 p. m.	.05	.18	.20	.20	.32	.45	.49								
Sept. 11	2.27 p. m.	3.20 p. m.	.72	2.40 p. m.	2.58 p. m.	.01	.21	.49	.66	.70										
Oct. 16	4.55 p. m.	6.10 p. m.	.57	5.00 p. m.	5.15 p. m.	.01	.28	.38	.44											
Nov. 6	7.25 a. m.	10.45 a. m.	1.16	8.13 a. m.	8.38 a. m.	.07	.05	.09	.30	.44	.49									
Birmingham, Ala.:																				
Feb. 19	5.50 p. m.	D. N. p. m.	.72	6.01 p. m.	6.14 p. m.	.01	.38	.45	.49											
Apr. 19	D. N. a. m.	10.05 a. m.	.72	6.03 a. m.	6.15 a. m.	.05	.24	.54	.58											
May 20	2.04 p. m.	6.50 p. m.	.82	2.09 p. m.	2.54 p. m.	.01	.23	.32	.34	.36	.42	.51	.54	.66	.71					
May 21	4.20 p. m.	11.20 p. m.	1.30	8.24 p. m.	8.56 p. m.	.20	.26	.46	.54	.63	.80	.94	.99							
May 22	3.00 p. m.	5.30 p. m.	.53	3.14 p. m.	3.29 p. m.	.01	.15	.36	.42											
June 18	6.21 p. m.	10.00 p. m.	1.78	6.30 p. m.	7.12 p. m.	.03	.16	.39	.60	.91	1.01	1.15	1.37	1.46	1.52					
June 24	12.45 p. m.	2.25 p. m.	.64	12.51 p. m.	1.11 p. m.	.01	.31	.33	.44	.52										
July 12	12.40 p. m.	2.00 p. m.	1.28	12.43 p. m.	1.24 p. m.	.01	.07	.14	.20	.50	.79	1.02	1.12	1.21	1.23					
July 16	5.05 p. m.	6.45 p. m.	.84	5.20 p. m.	5.40 p. m.	.03	.41	.66	.73	.78										
July 22	D. N. a. m.	2.00 p. m.	1.54	4.46 a. m.	5.12 a. m.	.01	.11	.25	.39	.54	.71	.75								
July 24	2.26 p. m.	4.15 p. m.	.84	2.37 p. m.	2.51 p. m.	.02	.32	.47	.51											
Sept. 14	3.09 p. m.	4.40 p. m.	1.55	3.35 p. m.	4.07 p. m.	.03	.12	.28	.58	.88	1.12	1.39	1.49							
Oct. 16	2.12 p. m.	4.45 p. m.	1.69	3.31 p. m.	3.56 p. m.	.48	.35	.75	.86	1.03	1.13									

[1] Record incomplete.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
EAST GULF STATES—continued.																				
Birmingham, Ala.—Continued.																				
Oct. 16–17	8.57 p. m.	9.00 a. m.	2.96	11.38 p. m.	12.28 a. m.	.24	.14	.21	.28	.33	.41	.53	.63	.70	.75	.84	.....	.....	.....	.....
				12.28 a. m.	1.18 a. m.	.....	.96	1.00	1.14	1.24	1.40	1.52	1.65	1.73	1.79	1.83	.....	.....	.....	.....
				1.18 a. m.	1.59 a. m.	.....	1.86	1.94	1.99	2.06	2.11	2.14	2.23	2.28	2.31	.....	.....	.....	.....	.....
Nov. 6	6.35 a. m.	10.55 a. m.	1.13	7.53 a. m.	8.36 a. m.	.17	.14	.41	.52	.57	.64	.68	.73	.88	.92	.....	.....	.....	.....	.....
Nov. 8	1.34 p. m.	5.05 p. m.	1.06	2.55 p. m.	3.25 p. m.	.16	.07	.13	.23	.49	.66	.75	.....	.....	.....	.....	.....	.....	.....	.....
Nov. 17	7.40 p. m.	10.05 p. m.	.75	7.45 p. m.	8.13 p. m.	.01	.17	.41	.46	.50	.56	.61	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 26	3.50 p. m.	6.10 p. m.	.72	4.46 p. m.	5.00 p. m.	.07	.19	.44	.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mobile, Ala.:																				
Feb. 4	D. N. a. m.	D. N. a. m.	1.17	4.08 a. m.	4.58 a. m.	.03	.12	.17	.27	.32	.48	.71	.82	.92	.98	1.08	.....	.....	.....	.....
Mar. 26	5.10 p. m.	7.20 p. m.	.53	5.46 p. m.	6.06 p. m.	.08	.09	.17	.32	.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
				8.58 p. m.	9.48 p. m.	.19	.17	.26	.37	.45	.54	.66	.78	.90	1.18	1.28	.....	.....	.....	.....
Apr. 4–5	5.45 p. m.	D. N. a. m.	8.51	9.48 p. m.	10.38 p. m.	.....	1.38	1.59	1.71	1.90	2.00	2.27	2.50	2.58	2.62	2.63	.....	.....	.....	.....
				10.38 p. m.	11.28 p. m.	.....	2.63	2.68	2.87	3.18	3.69	4.17	4.24	4.32	4.38	4.44	.....	.....	.....	.....
				11.28 p. m.	11.43 p. m.	.....	4.55	4.71	4.80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 4–5	5.45 p. m.	D. N. a. m.	8.51	12.46 a. m.	2.39 a. m.	5.12	.11	.28	.56	.81	.92	.96	.96	1.03	1.04	1.11	1.47	2.17	2.96	3.22
Apr. 19	12.01 p. m.	3.20 p. m.	.91	12.25 p. m.	12.55 p. m.	.10	.12	.21	.31	.38	.44	.51	.....	.....	.....	.....	.....	.....	.....	.....
May 1	7.15 a. m.	12.20 p. m.	.79	10.16 a. m.	10.26 a. m.	.07	.35	.56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 20	5.45 a. m.	11.45 a. m.	2.42	6.34 a. m.	7.46 a. m.	.10	.15	.33	.37	.42	.46	.47	.50	.50	.51	.58	.72	1.19	.....	.....
				10.02 a. m.	10.32 a. m.	1.52	.17	.21	.36	.53	.69	.78	.....	.....	.....	.....	.....	.....	.....	.....
July 5	11.30 a. m.	7.40 p. m.	1.49	12.52 p. m.	1.11 p. m.	.21	.23	.54	.69	.74	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 15	D. N. a. m.	8.00 a. m.	1.42	1.15 a. m.	1.49 a. m.	.01	.11	.39	.56	.75	1.07	1.26	1.37	.....	.....	.....	.....	.....	.....	.....
July 15	3.03 p. m.	7.15 p. m.	1.28	4.41 p. m.	5.08 p. m.	.06	.30	.54	.66	.78	.87	.93	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 11–12	4.26 p. m.	4.50 p. m.	4.60	2.52 a. m.	3.27 a. m.	.90	.08	.25	.25	.31	.46	.50	.60	.....	.....	.....	.....	.....	.....	.....
				7.52 a. m.	8.41 a. m.	2.54	.24	.56	.68	.84	.90	1.05	1.16	1.27	1.34	1.40	.....	.....	.....	.....
Aug. 19	4.10 p. m.	7.10 p. m.	.60	4.50 p. m.	5.16 p. m.	.03	.15	.31	.38	.44	.51	.54	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 24	11.45 a. m.	2.55 p. m.	1.31	11.53 a. m.	12.59 p. m.	.01	.21	.37	.43	.53	.60	.64	.65	.66	.67	.70	.98	1.10	.....	.....
Oct. 16	D. N. a. m.	6.15 a. m.	1.30	5.07 a. m.	5.38 a. m.	.02	.17	.31	.60	.80	1.05	1.25	1.27	.....	.....	.....	.....	.....	.....	.....
Nov. 23	4.05 p. m.	5.51 p. m.	.94	4.13 p. m.	4.38 p. m.	.01	.21	.29	.36	.53	.60	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nov. 27	10.40 a. m.	7.10 p. m.	3.23	3.40 p. m.	4.03 p. m.	1.90	.14	.57	.98	1.18	1.25	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 19–20	10.10 a. m.	D. N. a. m.	2.48	3.47 a. m.	4.09 a. m.	1.67	.06	.08	.13	.62	.72	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 22–23	D. N. a. m.	D. N. a. m.	4.51	9.20 a. m.	10.30 a. m.	.43	.16	.25	.33	.49	.62	.75	.78	.79	.87	1.05	1.31	1.46	.....	.....
Dec. 30–31	5.50 p. m.	7.10 a. m.	1.71	10.37 p. m.	11.01 p. m.	.52	.06	.20	.36	.50	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery, Ala.:																				
Apr. 4	4.21 p. m.	6.05 p. m.	.69	4.25 p. m.	5.05 p. m.	.01	.09	.21	.37	.43	.47	.53	.56	.63	.....	.....	.....	.....	.....	.....
Apr. 4–5	11.05 p. m.	5.30 a. m.	1.62	12.38 a. m.	12.55 a. m.	.28	.13	.29	.49	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 19	7.27 a. m.	1.10 p. m.	1.63	7.29 a. m.	7.49 a. m.	.01	.31	.38	.43	.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 18	6.42 p. m.	7.20 p. m.	1.27	6.42 p. m.	7.09 p. m.	.00	.24	.50	.83	1.03	1.22	1.26	.....	.....	.....	.....	.....	.....	.....	.....
June 27	12.50 p. m.	2.00 p. m.	1.06	1.06 p. m.	1.51 p. m.	.01	.06	.11	.21	.40	.56	.69	.79	.89	1.04	.....	.....	.....	.....	.....
June 29	3.00 p. m.	3.50 p. m.	.58	3.00 p. m.	3.24 p. m.	.00	.14	.31	.44	.51	.57	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 12	2.20 p. m.	3.55 p. m.	1.61	2.29 p. m.	2.54 p. m.	.01	.31	.75	1.20	1.39	1.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 31	11.35 a. m.	12.50 p. m.	.97	12.04 p. m.	12.32 p. m.	.10	.06	.12	.18	.47	.75	.85	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 2	12.45 p. m.	2.15 p. m.	.80	12.48 p. m.	1.08 p. m.	.01	.18	.43	.55	.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 14	5.15 p. m.	6.10 p. m.	.55	5.25 p. m.	5.46 p. m.	.01	.19	.37	.43	.48	.51	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 17	8.12 p. m.	9.00 p. m.	.57	8.15 p. m.	8.33 p. m.	.01	.20	.32	.43	.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 10	4.15 p. m.	7.20 p. m.	.94	4.22 p. m.	5.00 p. m.	.02	.18	.43	.59	.69	.76	.82	.88	.92	.....	.....	.....	.....	.....	.....
Meridian, Miss:																				
Apr. 19	4.20 a. m.	9.15 a. m.	1.14	4.25 a. m.	4.45 a. m.	.01	.08	.35	.40	.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 27	7.08 a. m.	12.55 p. m.	1.80	10.44 a. m.	11.34 a. m.	.70	.06	.17	.30	.37	.45	.51	.56	.60	.65	.70	.....	.....	.....	.....
July 15	8.53 a. m.	9.45 a. m.	.56	8.57 a. m.	9.27 a. m.	.01	.09	.23	.38	.45	.49	.55	.....	.....	.....	.....	.....	.....	.....	.....
July 15	11.40 a. m.	3.25 p. m.	1.51	12.17 p. m.	12.42 p. m.	.17	.19	.45	.75	.78	.88	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 19	9.15 a. m.	12.20 p. m.	.71	10.31 a. m.	11.01 a. m.	.03	.09	.28	.33	.41	.45	.52	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 16	6.33 p. m.	8.05 p. m.	.94	6.42 p. m.	7.05 p. m.	.01	.32	.48	.62	.86	.93	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 19	4.45 a. m.	6.25 a. m.	1.25	5.07 a. m.	6.14 a. m.	.03	.19	.44	.57	.57	.57	.61	.68	.74	.77	.82	1.06	1.22	.....	.....
Sept. 3	6.47 a. m.	10.00 a. m.	2.17	7.33 a. m.	9.23 a. m.	.07	.05	.09	.18	.28	.36	.40	.50	.60	.88	1.00	1.30	1.57	1.86	2.08
Oct. 15	2.55 p. m.	3.35 p. m.	.53	3.08 p. m.	3.23 p. m.	.01	.12	.37	.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nov. 6	4.45 a. m.	7.32 a. m.	.84	6.55 a. m.	7.12 a. m.	.19	.09	.27	.53	.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nov. 17	5.05 p. m.	8.15 p. m.	.83	6.14 p. m.	6.33 p. m.	.02	.17	.30	.50	.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 26	2.09 p. m.	3.42 p. m.	.71	2.28 p. m.	2.48 p. m.	.08	.13	.30	.43	.54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vicksburg, Miss.:																				
Jan. 1	[1] 2.06 p. m.	5.00 p. m.	4.32	6.13 a. m.	7.01 a. m.	1.29	.13	.23	.35	.37	.43	.47	.52	.57	.65	.69	.....	.....	.....	.....
Apr. 3	6.12 p. m.	9.30 p. m.	1.57	8.33 p. m.	9.01 p. m.	.43	.11	.25	.46	.63	1.00	1.11	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 7	7.08 p. m.	10.00 p. m.	.97	7.29 p. m.	7.54 p. m.	.03	.11	.28	.36	.47	.61	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 8	9.30 a. m.	4.30 p. m.	1.75	9.58 a. m.	10.51 a. m.	.05	.25	.32	.32	.32	.33	.33	.39	.51	.63	.80	.89	.....	.....	.....
Apr. 19	D. N. a. m.	6.00 a. m.	2.19	4.55 a. m.	5.20 a. m.	1.41	.19	.36	.45	.64	.75	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 30	12.22 p. m.	5.20 p. m.	1.27	12.28 p. m.	1.01 p. m.	.01	.08	.15	.25	.42	.62	.74	.80	.....	.....	.....	.....	.....	.....	.....
Sept. 2	12.12 p. m.	7.55 p. m.	2.16	1.48 p. m.	2.08 p. m.	.12	.19	.34	.49	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
				3.08 p. m.	3.38 p. m.	.76	.06	.30	.53	.78	.96	1.08	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 21–22	7.15 p. m.	11.05 a. m.	2.00	3.34 a. m.	3.53 a. m.	.70	.12	.36	.57	.68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Orleans, La.:																				
Jan. 1–2	8.05 p. m.	10.25 a. m.	1.90	3.04 a. m.	3.39 a. m.	.38	.07	.22	.24	.34	.46	.62	.73	.....	.....	.....	.....	.....	.....	.....
				2.49 p. m.	3.39 p. m.	.03	.13	.22	.31	.64	.89	1.11	1.13	1.14	1.14	1.15	.....	.....	.....	.....
Mar. 22	2.10 p. m.	6.30 p. m.	4.13	3.39 p. m.	4.29 p. m.	.....	1.38	1.67	1.77	1.77	1.78	1.78	1.78	1.78	1.83	1.94	.....	.....	.....	.....
				4.29 p. m.	5.19 p. m.	.....	2.21	2.37	2.50	2.54	2.57	2.64	2.71	2.78	2.85	3.04	.....	.....	.....	.....
				5.19 p. m.	5.53 p. m.	.....	3.26	3.32	3.48	3.61	3.80	3.92	3.99	.....	.....	.....	.....	.....	.....	.....
Apr. 8	12.58 p. m.	5.10 p. m.	4.37	1.47 p. m.	2.22 p. m.	.02	.06	.22	.43	.91	1.20	1.39	1.47	.....	.....	.....	.....	.....	.....	.....
				3.17 p. m.	4.13 p. m.	1.64	.24	.80	1.16	1.39	1.74	1.88	2.04	2.24	2.35	2.40	2.54	.....	.....	.....
Apr. 11	9.05 a. m.	12.30 p. m.	1.52	9.23 a. m.	9.49 a. m.	.02	.10	.27	.67	1.23	1.37	1.40	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 19	1.10 p. m.	5.00 p. m.	.76	1.43 p. m.	2.16 p. m.	.06	.18	.26	.33	.36	.40	.48	.56	.....	.....	.....	.....	.....	.....	.....
Apr. 25–26	9.15 p. m.	D. N. p. m.	3.38	9.39 a. m.	10.38 a. m.	2.01	.10	.15	.19	.21	.28	.34	.41	.51	.62	.75	.99	.....	.....	.....
May 1	7.25 a. m.	10.45 a. m.	1.44	7.44 a. m.	8.36 a. m.	.05	.07	.17	.19	.25	.28	.28	.47	.83	1.06	1.17	1.23	.....	.....	.....

[1] Dec. 31, 1910.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
EAST GULF STATES—continued.																				
New Orleans, La.—Continued.																				
June 21	6.15 p. m.	7.40 p. m.	1.07	6.21 p. m.	7.03 p. m.	.02	.06	.28	.51	.66	.70	.71	.75	.89	1.02					
July 5	6.20 a. m.	12.10 p. m.	2.71	6.24 a. m.	7.23 a. m.	.01	.28	.61	.92	1.19	1.51	1.80	2.00	2.18	2.24	2.27	2.43			
July 31	12.20 p. m.	2.00 p. m.	1.44	12.29 p. m.	1.08 p. m.	.01	.18	.50	.64	.82	1.04	1.24	1.35	1.40						
Aug. 17	11.44 a. m.	3.35 p. m.	.83	11.51 a. m.	12.21 p. m.	.02	.14	.23	.34	.45	.55	.61								
Aug. 18	12.50 p. m.	2.30 p. m.	.62	12.55 p. m.	1.10 p. m.	.01	.25	.46	.56											
Aug. 20	4.18 p. m.	5.02 p. m.	1.99	4.22 p. m.	4.57 p. m.	.01	.16	.51	1.14	1.48	1.70	1.84	1.96							
Aug. 27	2.45 p. m.	4.00 p. m.	.96	2.49 p. m.	3.13 p. m.	.01	.14	.43	.53	.74	.82									
Sept. 5	11.55 a. m.	2.53 p. m.	1.23	12.37 p. m.	12.55 p. m.	.01	.34	.71	1.02	1.10										
Sept. 15	11.40 a. m.	12.21 p. m.	.74	11.42 a. m.	12.07 p. m.	.01	.13	.31	.44	.59	.73									
Sept. 21	2.04 p. m.	4.15 p. m.	1.22	3.03 p. m.	3.24 p. m.	.03	.29	.55	.84	1.02										
Nov. 27	7.15 a. m.	4.45 p. m.	2.52	1.34 p. m.	2.09 p. m.	1.75	.06	.11	.19	.39	.45	.51	.56							
WEST GULF STATES.																				
Shreveport, La.:																				
Apr. 3	9.40 a. m.	5.35 p. m.	2.64	1.33 p. m.	2.14 p. m.	.07	.32	.74	1.13	1.39	1.53	1.61	1.93	2.05	2.07					
Apr. 3–4	10.50 p. m.	D.N.a.m.	1.13	10.59 p. m.	11.28 p. m.	.01	.32	.38	.39	.39	.40	.59								
Apr. 10–11	10.30 p. m.	5.50 a. m.	1.00	11.29 p. m.	11.41 p. m.	.13	.15	.44	.50											
June 20	2.21 p. m.	3.35 p. m.	.69	2.21 p. m.	3.02 p. m.	.00	.15	.30	.34	.34	.34	.34	.49	.66	.68					
July 14	12.05 p. m.	2.10 p. m.	.63	12.48 p. m.	1.15 p. m.	.05	.15	.23	.31	.40	.46	.51								
July 14	6.28 p. m.	9.50 p. m.	.52	6.32 p. m.	7.00 p. m.	.01	.05	.10	.17	.26	.46	.51								
Aug. 14	7.50 p. m.	9.40 p. m.	1.84	7.50 p. m.	9.30 p. m.	.00	.28	.40	.42	.42	.44	.56	.84	.98	1.02	1.05	1.28	1.45	1.81	
Aug. 25	4.00 p. m.	6.35 p. m.	1.45	4.31 p. m.	5.02 p. m.	.02	.17	.54	.81	1.00	1.19	1.38	1.40							
Aug. 28–29	8.55 p. m.	11.40 a. m.	5.07	9.43 p. m.	10.03 p. m.	.07	.12	.52	.83	.95										
				1.40 a. m.	3.07 a. m.	1.90	.12	.23	.32	.41	.45	.49	.52	.58	.69	.75	.91	1.21	1.35	
Sept. 30	1.55 p. m.	2.15 p. m.	.48	2.00 p. m	2.11 p. m.	.01	.36	.45	.47											
Bentonville, Ark.:																				
Apr. 30	8.25 a. m.	1.20 p. m.	1.78	12.08 p. m.	12.54 p. m.	.53	.41	.52	.65	.75	.85	.90	1.01	1.11	1.23	1.24				
June 23	5.05 p. m.	5.50 p. m.	.98	5.10 p. m.	5.26 p. m.	.01	.19	.54	.87	.90										
July 13	2.10 p. m.	5.40 p. m.	1.05	4.35 p. m.	4.52 p. m.	.42	.20	.42	.51	.56										
July 19–20	6.25 p. m.	2.45 a. m.	2.20	10.55 p. m.	11.58 p. m.	.45	.10	.13	.15	.19	.24	.28	.35	.39	.73	1.08	1.29			
July 31	7.10 a. m.	3.15 p. m.	.98	12.36 p. m.	12.51 p. m.	.36	.26	.51	.56											
Sept. 18–19	4.25 p. m.	3.00 a. m.	1.72	5.07 p. m.	5.30 p. m.	.07	.25	.36	.39	.53	.61									
Fort Smith, Ark.:																				
Feb. 15–16	6.51 p. m.	D.N.a.m.	1.73	10.52 p. m.	11.12 p. m.	.92	.09	.24	.42	.51										
May 20	11.59 a. m.	4.50 p. m.	.84	12.03 p. m.	12.14 p. m.	T.	.30	.50	.53											
July 20	5.36 p. m.	9.55 p. m.	1.63	5.37 p. m.	6.15 p. m.	.01	.22	.54	.71	1.05	1.14	1.19	1.33	1.39						
July 21	3.00 p. m.	5.12 p. m.	.65	3.03 p. m.	3.22 p. m.	.01	.10	.29	.49	.62										
Aug. 18	D.N.a.m.	D.N.a.m.	.79	2.32 a. m.	3.17 a. m.	.02	.14	.34	.40	.44	.48	.51	.56	.63	.69					
Aug. 22–23	7.58 p. m.	6.18 a. m.	2.41	9.12 p. m.	10.24 p. m.	.12	.13	.37	.62	.77	.83	.94	1.14	1.34	1.53	1.58	1.82	2.10		
Sept. 30	2.05 p. m.	2.53 p. m.	.73	2.18 p. m.	2.38 p. m.	.02	.34	.53	.56	.63										
Little Rock, Ark.:																				
June 23	4.22 p. m.	4.55 p. m.	.55	4.24 p. m.	4.39 p. m.	.01	.14	.37	.52											
June 24	9.50 a. m.	11.40 a. m.	1.25	10.10 a. m.	11.09 a. m.	.03	.06	.10	.17	.33	.48	.56	.73	.91	.97	.97	1.16			
July 8	1.26 p. m.	1.39 p. m.	.52	1.26 p. m.	1.37 p. m.	.00	.21	.50	.52											
Aug. 21	1.18 p. m.	2.10 p. m.	1.27	1.22 p. m.	1.54 p. m.	.02	.12	.32	.57	.80	.99	1.19	1.23							
Aug. 22	D.N.a.m.	9.45 a. m.	1.71	6.06 a. m.	6.41 a. m.	.52	.05	.16	.29	.39	.55	.83	.94							
Aug. 27	2.52 p. m.	3.20 p. m.	.76	2.54 p. m.	3.13 p. m.	.01	.14	.46	.67	.74										
Sept. 7	4.47 p. m.	5.40 p. m.	.53	4.58 p. m.	5.15 p. m.	.01	.07	.25	.44	.52										
Sept. 11	12.35 p. m.	1.15 p. m.	1.21	12.42 p. m.	1.09 p. m.	.02	.11	.43	.83	1.00	1.17	1.19								
Sept. 21	D.N.a.m.	8.00 a. m.	1.79	2.09 a. m.	3.17 a. m.	.03	.22	.33	.46	.54	.56	.58	.59	.62	.71	.87	.98	1.14		
Nov. 17	7.40 a. m.	11.55 a. m.	.60	10.52 a. m.	11.06 a. m.	.04	.26	.38	.48											
Corpus Christi, Tex.:																				
Mar. 22	8.59 a. m.	10.16 a. m.	1.04	9.13 a. m.	9.38 a. m.	.02	.33	.61	.75	.88	.96									
Apr. 3–4	7.40 p. m.	1.20 a. m.	1.03	8.05 p. m.	8.37 p. m.	.01	.25	.45	.64	.74	.80	.87	.91							
Apr. 30	8.24 p. m.	10.25 p. m.	.79	8.29 p. m.	8.54 p. m.	.01	.29	.47	.58	.63	.75									
May 12	5.39 a. m.	8.14 a. m.	2.25	6.07 a. m.	6.57 a. m.	.03	.06	.20	.53	.72	.82	.96	1.24	1.64	1.89	1.96				
May 20	7.54 p. m.	10.55 p. m.	.68	8.00 p. m.	8.20 p. m.	.02	.07	.18	.34	.55										
June 22	7.14 p. m.	11.45 p. m.	1.00	7.39 p. m.	8.16 p. m.	.13	.15	.27	.34	.43	.53	.58	.67	.74						
July 25	3.34 a. m.	7.43 a. m.	1.91	4.19 a. m.	5.36 a. m.	.17	.10	.34	.45	.50	.61	.75	.88	1.05	1.16	1.19	1.25	1.56		
Fort Worth, Tex.:																				
Mar. 17–18	9.42 p. m.	2.30 a. m.	1.14	10.20 p. m.	10.41 p. m.	.03	.08	.25	.59	.74	.78									
Apr. 3	4.22 a. m.	9.05 a. m.	.85	4.59 a. m.	5.09 a. m.	.06	.32	.52												
July 14	7.04 p. m.	11.58 p. m.	1.76	7.34 p. m.	8.37 p. m.	.04	.09	.14	.20	.31	.35	.58	.81	1.07	1.21	1.35	1.50	1.62		
July 17	3.41 p. m.	7.04 p. m.	2.30	4.05 p. m.	5.35 p. m.	.02	.18	.45	.75	1.04	1.07	1.07	1.07	1.08	1.10	1.13	1.30	1.82	2.20	
Aug. 28	2.32 a. m.	8.30 a. m.	1.95	3.14 a. m.	3.56 a. m.	.18	.09	.16	.25	.40	.55	.77	.90	1.01	1.07					
Galveston, Tex.:																				
Mar. 22	5.50 a. m.	11.15 a. m.	2.27	8.44 a. m.	9.54 a. m.	.07	.07	.23	.47	.68	.90	1.11	1.17	1.29	1.48	1.66	1.88	2.17		
Apr. 25–26	12.55 p. m.	11.25 a. m.	4.97	11.57 p. m.	1.40 a. m.	2.06	.07	.13	.17	.24	.30	.40	.48	.52	.58	.63	.75	1.05	1.44	1.63
June 19	9.00 a. m.	11.25 a. m.	1.03	9.20 a. m.	10.00 a. m.	.03	.17	.38	.44	.56	.65	.73	.78	.90						
July 6	5.10 p. m.	6.15 p. m.	1.16	5.15 p. m.	5.39 p. m.	.01	.13	.41	.70	.89	1.01									
Aug. 11	9.20 a. m.	10.14 a. m.	.76	9.24 a. m.	9.36 a. m.	.01	.31	.61	.73											
Aug. 13	2.55 a. m.	4.10 a. m.	.61	2.59 a. m.	3.20 a. m.	.01	.16	.33	.45	.59	.61									
Aug. 23	1.15 p. m.	3.45 p. m.	1.04	2.02 p. m.	2.53 p. m.	.17	.15	.21	.30	.40	.48	.55	.61	.64	.71	.77	.82			
Aug. 25–26	8.30 p. m.	7.35 a. m.	2.30	8.35 p. m.	8.54 p. m.	.01	.20	.35	.50	.58										
				3.28 a. m.	3.52 a. m.	1.00	.17	.34	.05	.85	.94									
Sept. 24	D.N.a.m.	7.25 a. m.	2.06	6.19 a. m.	6.58 a. m.	.02	.08	.28	.66	1.16	1.58	1.71	1.89	2.00						
Oct. 16	8.28 a. m.	5.10 p. m.	1.48	9.29 a. m.	10.09 a. m.	.18	.23	.39	.63	.75	.86	.98								
Oct. 30	3.30 p. m.	7.35 p. m.	1.37	4.37 p. m.	5.12 p. m.	.07	.09	.37	.61	.74	.80	.91	.96							
Nov. 7	1.50 a. m.	8.35 a. m.	2.71	3.11 a. m.	3.46 a. m.	.32	.10	.96	.54	.75	.89	1.09	1.19							
Dec. 19	1.05 p. m.	10.30 p. m.	1.16	5.20 p. m.	5.49 p. m.	.12	.25	.57	.75	.80	.85	.94								

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
WEST GULF STATES—continued.																				
Houston, Tex.:																				
Mar. 18–19	7.03 p. m.	D.N.a. m.	1.31	7.21 p. m.	7.50 p. m.	.01	.09	.26	.38	.43	.59	.66	....	....	....	....	....	....	....	....
Apr. 1	12.36 a. m.	4.30 a. m.	1.32	12.52 a. m.	1.14 a. m.	.01	.34	.64	.76	.87	.91	....	....	....	....	....	....	....	....	....
Apr. 25–26	12.40 p. m.	9.05 a. m.	3.56	3.34 a. m.	4.34 a. m.	1.50	.05	.14	.23	.32	.41	.51	.63	.75	.80	.88	1.00	....	....	....
May 20	7.20 p. m.	9.35 p. m.	.91	7.30 p. m.	8.12 p. m.	.01	.06	.16	.19	.25	.42	.52	.61	.68	.71	....	....	....	....	....
June 27	3.48 p. m.	4.55 p. m.	.87	3.57 p. m.	4.15 p. m.	.03	.22	.54	.74	.83	....	....	....	....	....	....	....	....	....	....
June 30	2.58 p. m.	3.35 p. m.	.57	3.07 p. m.	3.21 p. m.	.02	.29	.39	.47	....	....	....	....	....	....	....	....	....	....	....
July 12	1.49 p. m.	4.55 p. m.	1.30	2.00 p. m.	2.30 p. m.	.05	.16	.34	.58	.77	.94	1.07	....	....	....	....	....	....	....	....
July 15	12.04 p. m.	6.04 p. m.	1.24	12.14 p. m.	12.47 p. m.	.01	.12	.32	.54	.75	.85	1.05	1.11	....	....	....	....	....	....	....
July 26	6.56 a. m.	10.38 a. m.	1.73	7.24 a. m.	8.31 a. m.	.10	.07	.23	.37	.48	.59	.70	.82	.96	1.09	1.17	1.33	1.48	....	....
Aug. 11	5.01 p. m.	5.48 p. m.	.57	5.07 p. m.	5.25 p. m.	.01	.22	.36	.47	.53	....	....	....	....	....	....	....	....	....	....
Sept. 22	2.05 p. m.	3.34 p. m.	1.47	2.06 p. m.	3.00 p. m.	.01	.28	.52	.61	.82	.92	1.00	1.10	1.20	1.31	1.37	1.45	....	....	....
Oct. 16	7.00 a. m.	11.35 a. m.	2.35	7.03 a. m.	8.18 a. m.	.01	.20	.41	.57	.69	.86	1.04	1.15	1.23	1.30	1.45	1.76	2.23	....	....
Oct. 30	12.45 p. m.	8.15 p. m.	1.26	2.40 p. m.	3.23 p. m.	.05	.06	.13	.23	.33	.45	.57	.75	.85	.91	....	....	....	....	....
Nov. 7–8	5.25 p. m.	6.00 a. m.	1.42	3.03 a. m.	3.21 a. m.	.65	.15	.32	.41	.50	....	....	....	....	....	....	....	....	....	....
Dec. 19	3.20 p. m.	7.15 p. m.	1.25	3.58 p. m.	4.38 p. m.	.08	.10	.14	.27	.43	.57	.68	.73	.79	....	....	....	....	....	....
Dec. 29–30	7.00 a. m.	11.49 a. m.	2.34	12.55 a. m.	1.15 a. m.	1.08	.19	.33	.45	.52	....	....	....	....	....	....	....	....	....	....
Palestine, Tex.:																				
Apr. 3	7.02 a. m.	10.00 a. m.	.64	8.57 a. m.	9.16 a. m.	.06	.07	.19	.31	.43	....	....	....	....	....	....	....	....	....	....
Apr. 10	8.00 p. m.	11.15 p. m.	1.13	8.12 p. m.	8.31 p. m.	.05	.12	.32	.65	.89	....	....	....	....	....	....	....	....	....	....
Apr. 23–24	1.15 p. m.	D.N.a. m.	1.76	1.27 p. m.	1.49 p. m.	.01	.26	.60	.75	.92	.95	....	....	....	....	....	....	....	....	....
July 5	7.50 p. m.	11.55 p. m.	1.31	8.06 p. m.	9.01 p. m.	.01	.05	.10	.17	.25	.39	.50	.59	.68	.77	.96	1.10	....	....	....
Aug. 25	2.05 p. m.	5.25 p. m.	2.88	2.19 p. m.	3.56 p. m.	.01	.08	.19	.46	.63	.72	.80	.86	.92	1.04	1.23	1.61	2.48	2.81	....
Oct. 13	9.25 a. m.	1.15 p. m.	1.50	9.52 a. m.	10.52 a. m.	.01	.10	.21	.34	.50	.66	.82	.99	1.06	1.13	1.19	1.31	....	....	....
Oct. 16	2.15 a. m.	9.00 a. m.	.89	2.18 a. m.	2.39 a. m.	.02	.11	.24	.38	.49	.53	....	....	....	....	....	....	....	....	....
San Antonio, Tex.:																				
Apr. 3	5.55 p. m.	8.30 p. m.	.69	6.03 p. m.	6.18 p. m.	.01	.18	.38	.48	....	....	....	....	....	....	....	....	....	....	....
Apr. 20	2.45 a. m.	3.30 a. m.	.66	2.55 a. m.	3.22 a. m.	.15	.16	.31	.44	.50	.60	.64	....	....	....	....	....	....	....	....
Oct. 30	8.30 a. m.	10.15 a. m.	.90	9.16 a. m.	9.45 a. m.	.10	.08	.30	.49	.59	.66	.73	....	....	....	....	....	....	....	....
Do	10.50 a. m.	3.10 p. m.	1.41	11.57 a. m.	12.20 p. m.	.25	.09	.22	.30	.44	.56	....	....	....	....	....	....	....	....	....
Taylor, Tex.:																				
Apr. 30	10.40 a. m.	2.10 p. m.	1.73	10.45 a. m.	11.55 a. m.	.01	.11	.27	.47	.65	.75	.87	.95	1.10	1.13	1.14	1.21	1.52	....	....
May 11	6.58 p. m.	10.00 p. m.	2.08	7.50 p. m.	8.35 p. m.	.07	.11	.22	.35	.59	.94	1.33	1.60	1.83	1.93	....	....	....	....	....
July 17	10.30 p. m.	D.N.p. m.	.79	11.15 p. m.	11.43 p. m.	.17	.06	.19	.37	.44	.52	.57	....	....	....	....	....	....	....	....
July 18	D.N.a. m.	D.N.a. m.	1.58	12.58 a. m.	1.32 a. m.	.01	.10	.19	.57	.83	1.02	1.19	1.27	....	....	....	....	....	....	....
Aug. 25	2.30 p. m.	8.30 p. m.	2.13	2.46 p. m.	3.21 p. m.	.01	.11	.42	.89	1.29	1.51	1.66	1.71	....	....	....	....	....	....	....
OHIO VALLEY AND TENNESSEE.																				
Chattanooga, Tenn.:																				
Apr. 4	11.31 a. m.	7.12 p. m.	5.55	11.31 a. m.	12.28 p. m.	.00	.29	.38	.48	.59	.68	.80	.89	.93	.99	1.03	1.15	....	....	....
				1.20 p. m.	2.10 p. m.	1.43	.27	.54	.59	.66	.71	.76	.80	.82	.91	.94	....	....	....	....
				2.10 p. m.	3.00 p. m.	.....	.95	1.00	1.03	1.11	1.18	1.29	1.36	1.41	1.52	1.71	....	....	....	....
				3.00 p. m.	3.32 p. m.	.....	1.81	1.86	1.88	1.92	2.09	2.31	2.36	....	....	....	....	....	....	....
				5.04 p. m.	5.35 p. m.	4.17	.09	.37	.79	.95	1.01	1.15	1.17	....	....	....	....	....	....	....
Apr. 5	5.10 a. m.	7.12 a. m.	1.00	5.41 a. m.	6.34 a. m.	.02	.05	.14	.39	.54	.59	.68	.74	.77	.81	.88	.98	....	....	....
Do	1.25 p. m.	3.21 p. m.	.59	2.31 p. m.	2.39 p. m.	.04	.45	.54	....	....	....	....	....	....	....	....	....	....	....	....
Apr. 7	3.20 p. m.	5.50 p. m.	1.17	3.54 p. m.	4.14 p. m.	.04	.09	.36	.71	.98	....	....	....	....	....	....	....	....	....	....
May 22–23	6.12 p. m.	4.08 a. m.	.71	7.43 p. m.	8.08 p. m.	.11	.15	.20	.39	.46	.50	....	....	....	....	....	....	....	....	....
June 18	4.40 p. m.	6.10 p. m.	.77	4.42 p. m.	5.01 p. m.	.01	.19	.44	.65	.74	....	....	....	....	....	....	....	....	....	....
July 11	6.26 p. m.	8.18 p. m.	1.03	6.35 p. m.	7.05 p. m.	.02	.19	.44	.67	.79	.84	.89	....	....	....	....	....	....	....	....
Aug. 1	1.58 p. m.	3.56 p. m.	1.20	2.08 p. m.	3.08 p. m.	.01	.15	.47	.50	.54	.54	.54	.54	.63	.72	.92	1.12	....	....	....
Sept. 23	12.45 p. m.	2.45 p. m.	1.63	1.52 p. m.	2.24 p. m.	.01	.11	.44	.75	1.18	1.44	1.56	1.61	....	....	....	....	....	....	....
Dec. 26	2.07 p. m.	10.00 p. m.	1.03	5.57 p. m.	6.17 p. m.	.45	.08	.31	.43	.49	....	....	....	....	....	....	....	....	....	....
Knoxville, Tenn.:																				
July 7	8.10 p. m.	D.N.p. m.	1.11	8.21 p. m.	9.01 p. m.	.01	.10	.27	.38	.47	.66	.79	.85	.93	....	....	....	....	....	....
Aug. 2	2.53 p. m.	3.14 p. m.	.50	2.57 p. m.	3.07 p. m.	.01	.36	.48	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 12	12.23 p. m.	1.15 p. m.	.64	12.38 p. m.	12.53 p. m.	.06	.24	.46	.57	....	....	....	....	....	....	....	....	....	....	....
Memphis, Tenn.:																				
Apr. 3–4	5.19 p. m.	6.45 a. m.	3.02	7.53 p. m.	8.23 p. m.	.78	.10	.15	.27	.41	.51	.64	....	....	....	....	....	....	....	....
July 20	8.50 a. m.	11.00 a. m.	.63	9.50 a. m.	10.05 a. m.	.01	.13	.36	.49	....	....	....	....	....	....	....	....	....	....	....
Aug. 18	3.05 p. m.	4.45 p. m.	.66	4.05 p. m.	4.19 p. m.	.07	.20	.33	.52	....	....	....	....	....	....	....	....	....	....	....
Aug. 20	D. N. a. m.	6.35 a. m.	1.04	6.16 a. m.	6.29 a. m.	.48	.12	.41	.55	....	....	....	....	....	....	....	....	....	....	....
Nashville, Tenn.:																				
Feb. 3	5.15 p. m.	9.10 p. m.	1.22	6.24 p. m.	6.58 p. m.	.02	.18	.56	.72	.73	.79	.96	1.04	....	....	....	....	....	....	....
May 21	3.36 p. m.	10.00 p. m.	1.21	3.42 p. m.	3.55 p. m.	.02	.48	.59	.65	....	....	....	....	....	....	....	....	....	....	....
June 25	2.00 a. m.	10.20 a. m.	3.78	7.54 a. m.	9.36 a. m.	1.64	.11	.24	.26	.29	.38	.50	.54	.57	.61	.64	.89	1.68	1.97	2.08
July 16	10.55 a. m.	1.40 p. m.	1.14	11.36 a. m.	12.16 p. m.	.06	.06	.10	.23	.43	.52	.67	.72	.79	....	....	....	....	....	....
July 20	10.04 p. m.	D. N. p. m.	.97	10.10 p. m.	10.45 p. m.	.01	.09	.26	.32	.41	.63	.85	.90	....	....	....	....	....	....	....
Aug. 2	7.50 a. m.	3.15 p. m.	1.26	12.29 p. m.	12.49 p. m.	.22	.23	.55	.84	.91	....	....	....	....	....	....	....	....	....	....
Aug. 7	11.40 a. m.	2.45 p. m.	.82	11.44 a. m.	11.58 a. m.	.01	.11	.40	.49	....	....	....	....	....	....	....	....	....	....	....
Sept. 5	11.37 a. m.	1.35 p. m.	.96	11.44 a. m.	12.04 p. m.	.03	.11	.52	.77	.85	....	....	....	....	....	....	....	....	....	....
Dec. 25–26	7.30 p. m.	5.30 p. m.	4.10	10.04 a. m.	11.36 a. m.	.99	.23	.34	.44	.50	.56	.60	.71	.81	.91	.95	1.12	1.32	1.53	....
				1.30 p. m.	2.05 p. m.	2.79	.32	.51	.61	.71	.78	.86	.99	....	....	....	....	....	....	....	....
Lexington, Ky.:																				
Sept. 15	3.24 p. m.	4.55 p. m.	.70	3.24 p. m.	3.55 p. m.	.00	.13	.30	.39	.41	.46	.57	.61	....	....	....	....	....	....	....
Louisville, Ky.:																				
June 23–24	6.25 p. m.	4.50 a. m.	1.42	6.29 p. m.	7.16 p. m.	.01	.22	.32	.33	.40	.51	.54	.70	1.01	1.15	1.21	....	....	....	....
July 11	2.45 p. m.	5.15 p. m.	1.58	3.48 p. m.	4.33 p. m.	.02	.24	.54	.78	.96	1.13	1.24	1.34	1.41	1.47	....	....	....	....	....
July 20	4.05 p. m.	5.45 p. m.	1.14	4.16 p. m.	4.51 p. m.	.02	.19	.39	.50	.65	.87	.97	1.02	....	....	....	....	....	....	....
Sept. 3	3.40 p. m.	5.45 p. m.	.54	3.56 p. m.	4.22 p. m.	.04	.11	.25	.30	.36	.45	.48	....	....	....	....	....	....	....	....

[1] Record partly estimated.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
OHIO VALLEY AND TENNESSEE—con.																				
Evansville, Ind.:																				
June 5–6	8.10 p. m.	D. N. a. m.	1.18	9.47 p. m.	10.27 p. m.	.25	.07	.12	.20	.35	.48	.60	.67	.72	....	....	....	....	....	....
June 23	8.25 p. m.	D. N. p. m.	.90	9.33 p. m.	9.43 p. m.	.28	.40	.53	....	....	....	....	....	....	....	....	....	....	....	....
June 26	12.02 p. m.	1.05 p. m.	.65	12.02 p. m.	12.27 p. m.	....	....	.39	.45	.51	.59	....	....	....	....	....	....	....	....	....
Aug. 1	D. N. a. m.	D. N. a. m.	.74	3.25 a. m.	3.57 a. m.	.08	.09	.14	.26	.42	.46	.55	.58	....	....	....	....	....	....	....
Aug. 17	5.28 p. m.	8.25 p. m.	1.39	5.50 p. m.	6.33 p. m.	.11	.18	.39	.57	.77	.87	.99	1.06	1.15	1.21	....	....	....	....	....
Sept. 15	2.35 p. m.	4.05 p. m.	1.34	3.18 p. m.	3.43 p. m.	.23	.33	.65	.75	1.02	1.07	....	....	....	....	....	....	....	....	....
Indianapolis, Ind.:																				
July 30	5.45 p. m.	7.10 p. m.	1.63	6.08 p. m.	6.52 p. m.	.02	.26	.56	.80	1.02	1.25	1.37	1.44	1.51	1.56	....	....	....	....	....
Sept. 27	1.28 p. m.	2.25 p. m.	.75	1.43 p. m.	2.16 p. m.	.01	.24	.30	.36	.46	.55	.67	.74	....	....	....	....	....	....	....
Oct. 6–7	6.10 p. m.	D. N. a. m.	1.40	6.14 p. m.	7.01 p. m.	.01	.17	.20	.21	.24	.35	.59	.61	.69	.78	.81	....	....	....	....
Cincinnati, Ohio:																				
May 30	8.20 p. m.	10.35 p. m.	1.14	8.29 p. m.	9.08 p. m.	.01	.06	.17	.27	.34	.42	.57	.69	.76	....	....	....	....	....	....
July 6	1.30 p. m.	3.10 p. m.	1.43	1.31 p. m.	2.17 p. m.	.01	.10	.28	.41	.51	.71	.88	1.10	1.31	1.39	1.42	....	....	....	....
July 7	1.52 p. m.	3.45 p. m.	1.14	2.03 p. m.	2.31 p. m.	.03	.19	.30	.53	.72	.87	.93	....	....	....	....	....	....	....	....
July 8	2.54 p. m.	7.05 p. m.	.98	2.54 p. m.	3.31 p. m.	.00	.17	.31	.44	.50	.54	.63	.69	.73	....	....	....	....	....	....
Sept. 5	7.31 a. m.	12.25 p. m.	1.89	8.52 a. m.	9.36 a. m.	.39	.08	.31	.44	.53	.72	.79	.91	1.15	1.28	....	....	....	....	....
Sept. 10–11	4.20 p. m.	D. N. a. m.	2.87	12.29 a. m.	12.49 a. m.	1.48	.25	.38	.60	.75	....	....	....	....	....	....	....	....	....	....
Columbus, Ohio:																				
June 17	8.30 p. m.	Midnight.	1.18	8.55 p. m.	9.20 p. m.	.02	1.06	1.57	1.62	1.68	1.79	....	....	....	....	....	....	....	....	....
June 24	2.42 p. m.	4.50 p. m.	.58	2.49 p. m.	3.01 p. m.	.01	.26	.40	.47	....	....	....	....	....	....	....	....	....	....	....
July 8	5.08 p. m.	5.55 p. m.	1.46	5.11 p. m.	5.35 p. m.	.01	.30	.68	1.05	1.30	1.41	....	....	....	....	....	....	....	....	....
Sept. 8	5.35 p. m.	7.05 p. m.	.73	5.55 p. m.	6.15 p. m.	.02	.19	.40	.58	.67	....	....	....	....	....	....	....	....	....	....
Sept. 15	7.12 a. m.	11.00 a. m.	1.09	8.20 a. m.	8.52 a. m.	.01	.10	.39	.51	.72	.90	1.02	1.06	....	....	....	....	....	....	....
Sept. 15	1.28 p. m.	6.00 p. m.	.69	3.39 p. m.	4.04 p. m.	.20	.07	.16	.28	.38	.47	....	....	....	....	....	....	....	....	....
Sept. 18	9.38 a. m.	10.57 a. m.	.64	9.38 a. m.	10.02 a. m.	.00	.05	.13	.25	.45	.56	....	....	....	....	....	....	....	....	....
Oct. 6–7	6.40 p. m.	D. N. a. m.	2.66	6.59 p. m.	7.18 p. m.	.03	.06	.24	.49	.57	....	....	....	....	....	....	....	....	....	....
				11.06 p. m.	11.22 p. m.	1.26	.15	.47	.65	....	....	....	....	....	....	....	....	....	....	....
Pittsburgh, Pa.:																				
July 10	2.40 p. m.	4.10 p. m.	1.12	3.05 p. m.	3.48 p. m.	.02	.11	.34	.53	.69	.84	.90	.94	.99	1.06	....	....	....	....	....
Aug. 3	2.25 p. m.	5.45 p. m.	1.22	4.28 p. m.	4.52 p. m.	.51	.27	.40	.45	.52	.57	....	....	....	....	....	....	....	....	....
Sept. 8–9	9.30 p. m.	9.30 a. m.	1.85	1.09 a. m.	1.24 a. m.	.14	.26	.47	.56	....	....	....	....	....	....	....	....	....	....	....
Sept. 14–15	10.10 p. m.	11.20 a. m.	2.34	2.53 a. m.	4.05 a. m.	.28	.12	.23	.30	.31	.37	.44	.48	.53	.66	.72	1.06	1.35	....	....
Parkersburg, W. Va.:																				
July 21	6.55 p. m.	7.35 p. m.	.55	7.10 p. m.	7.24 p. m.	.04	.23	.46	.50	....	....	....	....	....	....	....	....	....	....	....
Aug. 17	9.52 p. m.	10.30 p. m.	.54	10.00 p. m.	10.19 p. m.	.01	.14	.25	.41	.52	....	....	....	....	....	....	....	....	....	....
Elkins, W. Va.:																				
May 19	12.30 p. m.	2.10 p. m.	.87	12.40 p. m.	1.25 p. m.	.04	.07	.10	.14	.21	.38	.50	.57	.71	.78	....	....	....	....	....
June 24	12.30 p. m.	4.45 p. m.	.85	12.48 p. m.	1.00 p. m.	.01	.11	.37	.45	....	....	....	....	....	....	....	....	....	....	....
July 7	1.21 p. m.	4.10 p. m.	.85	1.25 p. m.	1.50 p. m.	.02	.23	.32	.45	.53	.62	....	....	....	....	....	....	....	....	....
July 11	10.29 a. m.	1.56 p. m.	.67	11.22 a. m.	11.45 a. m.	.01	.08	.21	.39	.49	.57	....	....	....	....	....	....	....	....	....
Aug. 4	4.30 p. m.	7.25 p. m.	2.44	4.51 p. m.	5.38 p. m.	.05	.34	.70	.94	1.36	1.72	1.95	2.11	2.22	2.28	2.32	....	....	....	....
Aug. 8	9.00 p. m.	9.55 p. m.	.76	9.05 p. m.	9.42 p. m.	.01	.12	.22	.34	.39	.44	.59	.69	.74	....	....	....	....	....	....
Sept. 15	D. N. a. m.	11.05 a. m.	1.43	7.11 a. m.	8.13 a. m.	.11	.31	.41	.54	.58	.59	.59	.65	.74	.80	.85	1.00	1.06	....	....
Sept. 28	12.55 a. m.	D. N. a. m.	.60	1.51 a. m.	2.16 a. m.	.06	.18	.25	.30	.42	.48	....	....	....	....	....	....	....	....	....
LOWER LAKE REGION.																				
Buffalo, N. Y.:																				
July 19–20	11.45 p. m.	4.00 a. m.	2.51	2.44 a. m.	3.44 a. m.	.19	.11	.42	1.81	1.95	1.11	1.26	1.39	1.68	1.79	1.90	2.22	....	....	....
Aug. 3	2.34 p. m.	10.25 p. m.	.98	2.40 p. m.	2.55 p. m.	T.	.06	.40	.52	....	....	....	....	....	....	....	....	....	....	....
Canton, N. Y.:																				
June 11	7.50 p. m.	10.10 p. m.	.70	9.33 p. m.	9.57 p. m.	.09	.12	.22	.39	.50	.60	....	....	....	....	....	....	....	....	....
July 6	8.53 a. m.	9.45 a. m.	.75	8.55 a. m.	9.07 a. m.	.01	.33	.63	.68	....	....	....	....	....	....	....	....	....	....	....
July 6	5.25 p. m.	6.23 p. m.	1.20	5.38 p. m.	6.09 p. m.	.02	.06	.16	.41	.65	1.03	1.13	1.17	....	....	....	....	....	....	....
Oswego, N. Y.:																				
June 11	6.50 p. m.	9.40 p. m.	1.63	7.00 p. m.	7.40 p. m.	.01	.08	.27	.46	.67	.76	1.05	1.30	1.52	....	....	....	....	....	....
June 26–27	9.26 p. m.	12.55 a. m.	1.29	12.18 a. m.	12.45 a. m.	.51	.13	.18	.28	.61	.75	.78	....	....	....	....	....	....	....	....
July 17	2.55 a. m.	4.15 a. m.	.96	2.57 a. m.	3.15 a. m.	.01	.12	.44	.77	.84	....	....	....	....	....	....	....	....	....	....
July 17	5.20 a. m.	10.05 a. m.	1.53	5.46 a. m.	6.34 a. m.	.03	.07	.18	.32	.53	.72	.91	1.02	1.11	1.16	1.21	....	....	....	....
Aug. 8	6.25 a. m.	7.12 a. m.	.65	6.50 a. m.	7.06 a. m.	.04	.15	.41	.57	.61	....	....	....	....	....	....	....	....	....	....
Aug. 28	9.30 a. m.	11.35 a. m.	.67	9.55 a. m.	10.14 a. m.	.01	.20	.43	.51	.56	....	....	....	....	....	....	....	....	....	....
Rochester, N. Y.:																				
June 25	1.49 p. m.	2.25 p. m.	.75	1.57 p. m.	2.15 p. m.	.01	.14	.39	.64	.73	....	....	....	....	....	....	....	....	....	....
July 30	12.32 p. m.	2.20 p. m.	1.85	1.03 p. m.	2.02 p. m.	.04	.10	.22	.31	.46	.64	.80	.83	.85	1.04	1.30	1.80	....	....	....
Aug. 27	12.40 p. m.	2.40 p. m.	2.30	1.39 p. m.	2.38 p. m.	.40	.17	.28	.43	.57	.78	.98	1.21	1.39	1.62	1.66	1.90	....	....	....
Sept. 5	1.50 p. m.	11.45 p. m.	2.11	9.22 p. m.	10.02 p. m.	.70	.11	.20	.29	.41	.63	.76	.80	.99	....	....	....	....	....	....
Syracuse, N. Y.:																				
May 1	5.40 p. m.	7.40 p. m.	.91	5.44 p. m.	6.06 p. m.	.03	.30	.41	.45	.58	.60	....	....	....	....	....	....	....	....	....
June 27	6.52 p. m.	9.10 p. m.	.75	7.56 p. m.	8.21 p. m.	.08	.16	.41	.52	.58	.63	....	....	....	....	....	....	....	....	....
July 11	4.52 p. m.	5.30 p. m.	.53	5.00 p. m.	5.23 p. m.	T.	.09	.34	.40	.47	.52	....	....	....	....	....	....	....	....	....
Erie, Pa.:																				
June 12	10.40 a. m.	11.25 a. m.	.78	10.43 a. m.	11.04 a. m.	.01	.13	.42	.61	.72	.75	....	....	....	....	....	....	....	....	....
Aug. 15	12.30 a. m.	D. N. a. m.	.80	12.30 a. m.	12.53 a. m.	.00	.19	.40	.55	.64	.68	....	....	....	....	....	....	....	....	....
Sept. 14–15	7.15 p. m.	8.10 a. m.	1.51	5.19 a. m.	5.49 a. m.	.56	.14	.22	.34	.47	.61	.73	....	....	....	....	....	....	....	....

[1] Partly estimated.

Table showing the accumulatea amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
LOWER LAKE REGION—contd.																				
Cleveland, Ohio:																				
May 31	11.18 a. m.	1.58 p. m.	.79	11.21 a. m.	11.35 a. m.	.01	.25	.50	.57	.59										
June 27	12.16 p. m.	1.08 p. m.	1.18	12.19 p. m.	12.48 p. m.	.01	.24	.53	.73	.90	1.06	1.13								
July 17	1.30 a. m.	6.48 a. m.	.59	6.10 a. m.	6.27 a. m.	.14	.30	.30	.34	.45										
Aug. 2	1.50 p. m.	2.50 p. m.	.65	2.03 p. m.	2.21 p. m.	.01	.25	.46	.56	.63										
Aug. 28	5.35 a. m.	5.20 p. m.	2.43	6.52 a. m.	7.47 a. m.	.58	.23	.36	.40	.60	.69	.74	.84	.95	1.01	1.09	1.23			
Sept. 14–15	6.20 p. m.	3.50 a. m.	1.90	2.48 a. m.	3.03 a. m.	1.30	.19	.32	.59											
Sandusky, Ohio:																				
June 25	7.21 p. m.	11.45 p. m.	1.54	7.21 p. m.	7.59 p. m.	.00	.23	.45	.68	.76	.84	.90	.97	1.02						
July 10	1.15 p. m.	1.42 p. m.	.71	1.17 p. m.	1.39 p. m.	.01	.13	.28	.60	.68	.70									
Aug. 13–14	8.20 p. m.	7.05 a. m.	2.52	12.20 a. m.	12.53 a. m.	.42	.11	.22	.47	.64	.75	.94	1.03							
Sept. 14–15	9.50 p. m.	D.N. a. m.	1.63	10.54 p. m.	11.40 p. m.	.04	.34	.46	.51	.54	.62	.70	.76	.86	1.16	1.19				
Toledo, Ohio:																				
June 4	2.25 a. m.	4.50 a. m.	.88	3.04 a. m.	3.26 a. m.	.18	.08	.22	.45	.56	.60									
June 4	11.55 a. m.	1.10 p. m.	.72	12.01 p. m.	12.11 p. m.	.01	.29	.67												
June 11	2.52 p. m.	3.36 p. m.	.60	2.59 p. m.	3.34 p. m.	.01	.11	.17	.22	.27	.42	.53	.58							
June 24	11.28 a. m.	12.15 p. m.	2.14	11.29 a. m.	12.14 p. m.	.01	.37	.79	.88	1.27	1.62	1.88	2.00	2.04	2.13					
Aug. 13–14	7.10 p. m.	6.00 a. m.	1.84	12.29 a. m.	12.39 a. m.	.37	.27	.48												
Sept. 14–15	7.05 p. m.	D.N. a. m.	1.08	10.06 p. m.	10.26 p. m.	.01	.14	.33	.59	.75										
Oct. 3	11.33 a. m.	2.15 p. m.	.79	12.33 p. m.	12.57 p. m.	.25	.15	.27	.31	.39	.47									
Detroit, Mich.:																				
Sept. 14	4.02 p. m.	6.32 p. m.	1.24	5.16 p. m.	6.00 p. m.	.23	.08	.12	.17	.26	.40	.57	.80	.94	.99					
UPPER LAKE REGION.																				
Alpena, Mich.:																				
June 12	11.44 a. m.	1.25 p. m.	1.12	11.46 a. m.	12.11 p. m.	.01	.30	.62	.77	.88	.95									
Escanaba, Mich.:																				
May 17	3.10 p. m.	5.35 p. m.	.68	3.21 p. m.	3.35 p. m.	.01	.12	.36	.56											
May 30	10.55 p. m.	D.N. p. m.	.67	11.00 p. m.	11.29 p. m.	.01	.08	.14	.21	.29	.46	.59								
July 9	4.57 p. m.	6.45 p. m.	.71	4.59 p. m.	5.26 p. m.	.01	.32	.38	.50	.55	.63	.66								
July 30–31	4.35 p. m.	D.N. a. m.	1.52	8.20 p. m.	8.34 p. m.	.29	.23	.39	.53											
Sept. 5	1.40 p. m.	7.30 p. m.	.82	2.04 p. m.	2.27 p. m.	.05	.20	.34	.51	.62	.67									
Grand Haven, Mich.:																				
Apr. 29–30	3.50 p. m.	D.N. a. m.	2.19	9.36 p. m.	10.31 p. m.	.52	1.07	.15	.26	.36	.45	.54	.66	.75	.84	.90	1.00			
Sept. 14	12.32 p. m.	1.50 p. m.	.67	12.42 p. m.	1.16 p. m.	.02	.07	.15	.29	.40	.47	.55	.62							
Sept. 27	D.N. a. m.	6.15 a. m.	1.77	2.25 a. m.	2.55 a. m.	.07	.15	.39	.46	.53	.62	.75								
Sept. 30–Oct. 1	D.N. p. m.	9.15 a. m.	2.20	3.42 a. m.	4.46 a. m.	.92	.08	.13	.17	.26	.31	.38	.46	.55	.64	.73	.82	.96		
Oct. 16	4.35 p. m.	7.45 p. m.	.76	6.09 p. m.	6.31 p. m.	.07	.16	.32	.42	.58	.62									
Nov. 11–13	6.35 p. m.	2.30 p. m.	2.20	7.01 p. m.	7.46 p. m.	.06	.16	.30	.41	.53	.63	.93	1.02	1.18	1.30					
Grand Rapids Mich.:																				
May 20	2.40 p. m.	6.30 p. m.	2.63	3.02 p. m.	3.52 p. m.	.05	.06	.15	.20	.23	.30	.39	.45	.54	.59	.63				
				3.52 p. m.	4.42 p. m.		.65	.09	.72	.75	.81	.92	1.05	1.17	1.20	1.24				
				4.42 p. m.	5.32 p. m.		1.29	1.42	1.49	1.61	1.77	1.84	1.96	1.98	2.01	2.05				
				5.32 p. m.	5.50 p. m.		2.11	2.34	2.45	2.51										
June 24	1.25 p. m.	2.23 p. m.	.91	1.31 p. m.	1.47 p. m.	.02	.25	.54	.83	.85										
June 25	1.53 p. m.	5.15 p. m.	.61	1.54 p. m.	2.14 p. m.	.02	.11	.28	.40	.51										
Aug. 14	10.35 p. m.	11.50 p. m.	.68	10.40 p. m.	10.55 p. m.	.01	.23	.49	.61											
Sept. 14	1.07 p. m.	2.29 p. m.	1.03	1.09 p. m.	1.38 p. m.	.01	.11	.28	.49	.58	.66	.74								
Sept. 27	12.30 a. m.	6.38 a. m.	1.80	2.53 a. m.	3.20 a. m.	.20	.21	.31	.39	.51	.64	.67								
Houghton, Mich.[2]																				
Lansing, Mich.:																				
May 20	4.25 p. m.	D.N. p. m.	1.09	6.33 p. m.	6.53 p. m.	.04	.37	.57	.67	.76										
June 4	6.50 p. m.	D.N. p. m.	1.44	7.12 p. m.	8.06 p. m.	.02	.06	.23	.57	.96	1.06	1.10	1.14	1.20	1.28	1.32	1.40			
July 6	4.05 a. m.	5.35 a. m.	.71	4.52 a. m.	5.07 a. m.	.14	.12	.37	.57											
Sept. 28–29	6.00 p. m.	D.N. a. m.	1.46	10.37 p. m.	11.07 p. m.	.34	.05	.15	.27	.40	.68	.79								
Marquette, Mich.:																				
June 9–10	10.25 p. m.	4.35 p. m.	2.11	11.50 p. m.	1.25 a. m.	.05	.25	.42	.44	.52	.56	.58	.66	.79	1.08	1.19	1.26	1.55	1.77	
June 26	3.18 p. m.	4.30 p. m.	.57	3.55 p. m.	4.08 p. m.	.01	.28	.48	.56											
July 9	3.25 p. m.	7.09 p. m.	.70	3.29 p. m.	3.51 p. m.	.01	.19	.20	.35	.42	.45									
Port Huron, Mich.:																				
July 10	12.15 p. m.	1.10 p. m.	.70	12.15 p. m.	12.33 p. m.	.00	.23	.43	.62	.69										
Sept. 14	2.35 p. m.	9.00 p. m.	1.22	7.07 p. m.	7.58 p. m.	.30	.09	.20	.22	.25	.33	.52	.64	.72	.74	.83	.91			
Sault Ste. Marie, Mich.:																				
May 19–20	11.20 p. m.	D. N. a. m.	.70	11.42 p. m.	12.07 a. m.	.12	.13	.32	.38	.41	.48									
Chicago, Ill.:																				
May 28	5.03 p. m.	9.37 p. m.	.62	5.07 p. m.	5.27 p. m.	.01	.28	.38	.44	.49										
Aug. 13	10.59 a. m.	10.53 a. m.	.91	11.02 a. m.	11.43 a. m.	.01	.07	.30	.45	.55	.65	.72	.82	.88	.90					
Sept. 18	1.28 a. m.	4.00 a. m.	.99	1.31 a. m.	2.01 a. m.	.01	.35	.53	.60	.64	.70	.75								

[1] Partly estimated.

[2] No excessive rainfall.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
UPPER LAKE REGION—contd.																				
Milwaukee, Wis.:																				
Sept. 17–18	8.40 p. m.	D. N. a. m.	.92	11.51 p. m.	12.14 a. m.	.16	.08	.22	.53	.69	.76	....	....	....	....	....	....	....	....	....
Oct. 3	3.55 p. m.	6.30 p. m.	1.40	5.27 p. m.	6.07 p. m.	.20	.17	.48	.64	.88	1.00	1.03	1.09	1.17	....	....	....	....	....	....
Green Bay, Wis.:																				
May 18	12.15 a. m.	D. N. a. m.	.67	1.15 a. m.	1.45 a. m.	.08	.16	.19	.19	.20	.37	.59	....	....	....	....	....	....	....	....
Sept. 28	2.35 p. m.	8.10 p. m.	1.61	5.11 p. m.	5.46 p. m.	.57	.08	.16	.24	.36	.54	.66	.73	....	....	....	....	....	....	....
Duluth, Minn.[1]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
NORTH DAKOTA.																				
Moorhead, Minn.:																				
June 9	8.10 p. m.	8.45 p. m.	.66	8.14 p. m.	8.32 p. m.	.02	.23	.45	.59	.63	....	....	....	....	....	....	....	....	....	....
Aug. 14	1.55 a. m.	4.15 a. m.	.68	1.57 a. m.	2.11 a. m.	.01	.07	.28	.47	....	....	....	....	....	....	....	....	....	....	....
Bismarck, N. Dak.:																				
June 1	6.30 p. m.	8.35 p. m.	.87	7.33 p. m.	7.57 p. m.	.19	.14	.36	.39	.50	.64	....	....	....	....	....	....	....	....	....
June 9	3.02 p. m.	5.35 p. m.	.94	3.16 p. m.	3.28 p. m.	.04	.19	.43	.50	....	....	....	....	....	....	....	....	....	....	....
Devils Lake, N. Dak.:																				
May 9	D. N. a. m.	2.12 a. m.	.60	1.36 a. m.	1.54 a. m.	.09	.07	.22	.42	.50	....	....	....	....	....	....	....	....	....	....
June 2–3	9.18 p. m.	D. N. a. m.	.79	9.40 p. m.	10.02 p. m.	.02	.11	.24	.41	.48	.53	....	....	....	....	....	....	....	....	....
Williston, N. Dak.[2]	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
UPPER MISSISSIPPI VALLEY.																				
Minneapolis, Minn.:																				
May 14–15	11.10 p. m.	7.14 a. m.	2.05	12.07 a. m.	1.25 a. m.	.18	.08	.21	.30	.36	.42	.53	.66	.82	.94	1.09	1.23	1.49	....	....
May 16	7.47 p. m.	9.00 p. m.	.83	8.12 p. m.	8.37 p. m.	.17	.32	.34	.36	.47	.65	....	....	....	....	....	....	....	....	....
June 24	12.13 p. m.	1.50 p. m.	2.33	12.36 p. m.	1.43 p. m.	.08	.06	.17	.24	.31	.49	.66	.72	.80	1.00	1.32	2.04	2.25	....	....
July 18	11.10 a. m.	6.55 p. m.	1.56	5.24 p. m.	5.49 p. m.	.87	.07	.16	.23	.35	.45	....	....	....	....	....	....	....	....	....
July 31	7.40 p. m.	D. N. p. m.	.65	8.25 p. m.	8.37 p. m.	.04	.08	.37	.50	....	....	....	....	....	....	....	....	....	....	....
Sept. 4	11.25 a. m.	2.50 p. m.	1.45	1.05 p. m.	1.40 p. m.	.21	.15	.51	.81	.90	1.06	1.16	1.22	....	....	....	....	....	....	....
Sept. 11	D. N. a. m.	7.45 a. m.	.89	4.16 a. m.	4.31 a. m.	.05	.07	.31	.47	....	....	....	....	....	....	....	....	....	....	....
Oct. 3	2.00 a. m.	1.50 p. m.	1.52	3.46 a. m.	4.11 a. m.	.37	.24	.36	.43	.50	....	....	....	....	....	....	....	....	....	....
St. Paul, Minn.:																				
May 14–15	11.20 p. m.	3.45 a. m.	2.26	11.52 p. m.	1.24 a. m.	.06	.07	.17	.27	.36	.44	.52	.60	.74	.90	1.01	1.18	1.63	1.83	....
June 2–3	10.15 p. m.	1.40 a. m.	1.46	10.22 p. m.	10.54 p. m.	.03	.10	.17	.36	.57	.89	1.09	1.12	....	....	....	....	....	....	....
June 26	3.35 a. m.	6.20 a. m.	.65	3.39 a. m.	3.54 a. m.	.01	.16	.47	.59	....	....	....	....	....	....	....	....	....	....	....
July 27–28	8.10 p. m.	12.30 a. m.	1.09	9.31 p. m.	10.01 p. m.	.03	.15	.31	.42	.47	.53	.62	....	....	....	....	....	....	....	....
Aug. 6–7	10.55 p. m.	2.25 a. m.	2.60	11.59 p. m.	1.00 a. m.	.14	.15	.29	.43	.65	.70	.98	1.35	1.59	1.84	2.02	2.20	2.30	....	....
Sept. 11	4.15 a. m.	5.35 a. m.	.53	4.24 a. m.	4.40 a. m.	.02	.15	.33	.42	.47	....	....	....	....	....	....	....	....	....	....
Oct. 3	2.20 a. m.	1.25 p. m.	1.69	3.43 a. m.	4.26 a. m.	.22	.10	.14	.34	.51	.65	.70	.75	.84	.89	....	....	....	....	....
La Crosse, Wis.:																				
May 19	4.57 p. m.	9.50 p. m.	1.53	5.10 p. m.	5.39 p. m.	.02	.16	.28	.48	.58	.64	.69	....	....	....	....	....	....	....	....
July 4	4.00 p. m.	4.55 p. m.	.53	4.10 p. m.	4.20 p. m.	.03	.27	.48	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 7	2.00 a. m.	4.40 a. m.	.79	2.28 a. m.	2.57 a. m.	.04	.13	.23	.34	.41	.47	.52	....	....	....	....	....	....	....	....
Sept. 17	6.15 p. m.	9.40 p. m.	1.30	8.25 p. m.	8.51 p. m.	.07	.44	.76	.88	.99	1.08	1.12	....	....	....	....	....	....	....	....
Madison, Wis.:																				
Sept. 17–18	6.30 p. m.	D. N. a. m.	1.52	9.23 p. m.	10.08 p. m.	.04	.10	.20	.22	.26	.31	.39	.62	.92	1.02	....	....	....	....	....
Sept. 27	D. N. a. m.	5.50 a. m.	1.24	3.24 a. m.	4.00 a. m.	.03	.19	.38	.53	.74	.81	.84	.94	.96	....	....	....	....	....	....
Charles City, Iowa:																				
May 19	3.18 p. m.	5.33 p. m.	1.16	3.23 p. m.	4.24 p. m.	.01	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1.08	....	....	....	....
July 28	4.05 a. m.	4.45 a. m.	.56	4.14 a. m.	4.31 a. m.	.02	.13	.36	.49	.54	....	....	....	....	....	....	....	....	....	....
July 31	7.50 p. m.	10.00 p. m.	.60	8.11 p. m.	8.37 p. m.	.03	.25	.35	.37	.45	.51	.53	....	....	....	....	....	....	....	....
Aug. 6–7	11.50 p. m.	2.00 a. m.	1.12	12.07 a. m.	12.18 a. m.	.09	.39	.82	.86	....	....	....	....	....	....	....	....	....	....	....
Aug. 13	4.40 a. m.	8.20 a. m.	2.20	5.09 a. m.	6.31 a. m.	.10	.13	.18	.23	.29	.40	.50	.55	.57	.59	.64	.72	1.40	1.56	....
Sept. 17	6.50 p. m.	9.00 p. m.	1.50	7.28 p. m.	7.49 p. m.	.11	.30	.58	.96	1.19	1.23	....	....	....	....	....	....	....	....	....
Davenport, Iowa:																				
July 28	10.55 a. m.	12.50 p. m.	2.25	11.12 a. m.	12.22 p. m.	.03	.09	.17	.26	.41	.62	.80	.96	1.16	1.31	1.48	1.83	2.16	....	....
Aug. 5	6.18 p. m.	8.50 p. m.	1.80	6.55 p. m.	7.50 p. m.	.04	.12	.46	.69	.85	1.03	1.16	1.26	1.34	1.45	1.58	1.68	....	....	....
Aug. 9	11.11 a. m.	1.48 p. m.	.79	11.11 a. m.	11.30 a. m.	.00	.10	.32	.46	.50	....	....	....	....	....	....	....	....	....	....
Aug. 11	4.30 a. m.	10.20 a. m.	.80	4.34 a. m.	5.13 a. m.	.01	.11	.24	.28	.29	.30	.38	.55	.66	....	....	....	....	....	....
Sept. 10	7.53 a. m.	9.55 a. m.	1.12	8.28 a. m.	8.56 a. m.	.04	.09	.14	.30	.51	.85	.96	....	....	....	....	....	....	....	....
Sept. 28	6.05 p. m.	8.25 p. m.	1.24	8.00 p. m.	8.19 p. m.	.09	.40	.61	.89	1.14	....	....	....	....	....	....	....	....	....	....
Des Moines, Iowa:																				
Apr. 28–29	11.20 p. m.	7.55 a. m.	1.52	1.44 a. m.	2.11 a. m.	.29	.15	.33	.52	.64	.73	.77	....	....	....	....	....	....	....	....
Apr. 30	6.55 p. m.	8.15 p. m.	.88	7.26 p. m.	7.43 p. m.	.18	.18	.40	.54	.62	....	....	....	....	....	....	....	....	....	....
Aug. 6–7	9.07 p. m.	D. N. a. m.	1.42	10.40 p. m.	11.20 p. m.	.16	.23	.58	.68	.75	.87	1.00	1.12	1.19	....	....	....	....	....	....
Sept. 30–Oct. 1	7.25 p. m.	D. N. a. m.	1.14	8.48 p. m.	9.12 p. m.	.12	.13	.25	.37	.41	.50	....	....	....	....	....	....	....	....	....

[1] Self-registering gage out of order.

[2] No excessive rainfall.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
UPPER MISSISSIPPI VALLEY—contd.																				
Dubuque, Iowa:																				
July 5	1.46 p. m.	D. N. p. m.	1.80	7.50 p. m.	8.30 p. m.	.01	.22	.44	.70	.90	1.07	1.22	1.31	1.37						
July 9	2.25 p. m.	4.22 p. m.	.78	2.35 p. m.	2.59 p. m.	.02	.19	.41	.57	.66	.70									
Aug. 10	6.51 p. m.	10.10 p. m.	2.55	6.51 p. m.	7.41 p. m.	.00	.31	.51	.61	.64	.70	.80	.88	.98	1.03	1.04				
				7.41 p. m.	8.31 p. m.	1.05	1.11	1.13	1.20	1.39	1.46	1.52	1.59	1.68	1.71					
				8.31 p. m.	9.21 p. m.	1.77	1.82	1.87	1.97	2.04	2.07	2.09	2.09	2.09	2.17					
				9.21 p. m.	9.41 p. m.	2.30	2.37	2.44	2.53											
Sept. 17	10.51 p. m.	1.35 a. m.	.94	10.53 p. m.	11.09 p. m.	.01	.27	.41	.60	.76										
Sept. 30–Oct. 1	2.17 p. m.	7.17 a. m.	1.73	11.30 p. m.	11.56 p. m.	.07	.09	.19	.21	.36	.46	.49								
Keokuk, Iowa:																				
Apr. 12	9.50 p. m.	11.55 p. m.	.77	10.24 p. m.	10.48 p. m.	.02	.12	.16	.24	.43	.52									
June 24	10.10 a. m.	1.45 p. m.	.55	10.38 a. m.	11.05 a. m.	.02	.10	.20	.21	.29	.49	.53								
July 9	4.50 p. m.	9.10 p. m.	1.91	5.42 p. m.	6.32 p. m.	.07	.06	.18	.37	.58	.74	.88	1.06	1.22	1.35	1.45				
July 31	2.15 p. m.	8.25 p. m.	1.32	2.44 p. m.	2.57 p. m.	.05	.15	.48	.53											
Sept. 6	7.37 p. m.	10.35 p. m.	.95	7.52 p. m.	8.03 p. m.	.07	.35	.50	.58											
Sept. 24	7.40 p. m.	11.40 p. m.	2.19	8.01 p. m.	8.50 p. m.	.11	.12	.24	.41	.61	.84	.98	1.21	1.39	1.51	1.63				
Sept. 28	9.20 p. m.	10.15 p. m.	.69	9.48 p. m.	10.09 p. m.	.09	.12	.38	.47	.58	.60									
Cairo, Ill.:																				
Jan. 27	4.45 p. m.	6.10 p. m.	1.00	4.49 p. m.	5.00 p. m.	.01	.38	.78	.79											
Apr. 29	1.44 p. m.	2.55 p. m.	.54	2.12 p. m.	2.22 p. m.	.02	.21	.50												
Apr. 30	D. N. a. m.	8.30 a. m.	1.09	6.09 a. m.	6.24 a. m.	.06	.38	.52	.61											
June 19	2.55 a. m.	5.00 a. m.	.72	2.57 a. m.	3.29 a. m.	.01	.26	.30	.30	.33	.51	.61	.63							
Aug. 8	5.42 p. m.	6.35 p. m.	.59	5.44 p. m.	6.09 p. m.	.01	.10	.30	.40	.47	.53									
Sept. 7	4.20 a. m.	8.05 a. m.	.93	5.08 a. m.	5.57 a. m.	.07	.12	.21	.32	.33	.36	.42	.48	.57	.65	.71				
Sept. 12	2.59 p. m.	3.47 p. m.	1.26	3.08 p. m.	3.37 p. m.	.03	.07	.15	.46	.76	1.06	1.22								
La Salle, Ill.:																				
May 28	3.20 p. m.	4.45 p. m.	1.58	3.28 p. m.	4.15 p. m.	.01	.09	.10	.23	.45	.57	.66	1.01	1.39	1.51	1.55				
June 24	5.30 a. m.	1.40 p. m.	1.93	6.21 a. m.	6.48 a. m.	.02	.12	.22	.36	.50	.58	.63								
Aug. 11–12	D. N. p. m.	D. N. a. m.	2.22	12.13 a. m.	1.52 a. m.	.10	.11	.22	.30	.32	.37	.42	.48	.51	.59	.77	1.00	1.63	1.97	
Aug. 12	8.05 a. m.	9.42 a. m.	1.05	8.05 a. m.	8.36 a. m.	.00	.21	.43	.49	.62	.76	.90	.94							
Sept. 6–7	7.20 p. m.	D. N. a. m.	1.90	8.28 p. m.	9.22 p. m.	.06	.05	.09	.15	.29	.43	.59	.91	1.08	1.11	1.19	1.27			
Sept. 10	9.30 a. m.	12.55 p. m.	1.55	10.58 a. m.	11.44 a. m.	.17	.18	.50	.57	.63	.66	.72	.98	1.15	1.25	1.28				
Sept. 28	7.45 p. m.	D. N. p. m.	1.34	9.24 p. m.	10.04 p. m.	.32	.18	.31	.33	.34	.34	.52	.71	1.00						
Peoria, Ill.:																				
June 24	1.55 a. m.	12.10 p. m.	4.67	2.28 a. m.	2.52 a. m.	.20	.29	.56	.85	1.14	1.31									
				7.48 a. m.	9.42 a. m.	2.40	.17	.33	.42	.45	.46	.48	.51	.58	.67	.73	.81	1.08	1.75	1.98
July 9–10	7.06 p. m.	D. N. a. m.	.79	7.49 p. m.	8.07 p. m.	.12	.15	.32	.40	.47										
Sept. 6–7	7.52 p. m.	12.30 a. m.	2.24	7.52 p. m.	8.40 p. m.	.00	.15	.52	.86	1.10	1.22	1.28	1.30	1.37	1.43	1.51				
Sept. 10	9.23 a. m.	12.40 p. m.	3.37	9.50 a. m.	11.26 a. m.	.02	.14	.28	.36	.45	.54	.72	.95	1.13	1.23	1.28	1.47	2.38	3.13	
Sept. 14–15	10.40 p. m.	4.50 a. m.	.74	2.07 a. m.	2.36 a. m.	.13	.07	.11	.28	.45	.50									
Sept. 24–25	7.30 p. m.	3.00 a. m.	1.69	9.19 p. m.	9.41 p. m.	.29	.11	.27	.37	.47	.53									
Nov. 11–12	4.10 p. m.	10.00 a. m.	1.40	4.13 p. m.	4.55 p. m.	.01	.18	.30	.52	.62	.64	.81	.85	.93	1.01					
Springfield, Ill.:																				
May 20	5.54 p. m.	D. N. p. m.	.67	9.21 p. m.	9.47 p. m.	.11	.07	.18	.24	.35	.46	.48								
June 24	1.56 p. m.	3.56 p. m.	.59	1.56 p. m.	2.09 p. m.	.00	.23	.51	.57											
June 25	12.06 p. m.	1.22 p. m.	1.24	12.16 p. m.	1.05 p. m.	.02	.07	.15	.27	.39	.50	.64	.80	.90	1.07	1.20				
July 11	12.58 p. m.	2.56 p. m.	1.49	1.35 p. m.	2.36 p. m.	.14	.09	.21	.34	.35	.35	.36	.48	.59	.79	.94	1.32	1.33		
Aug. 7	4.05 a. m.	6.18 a. m.	.92	4.10 a. m.	4.37 a. m.	.01	.13	.31	.40	.65	.73	.77								
Nov. 11–12	5.11 p. m.	D. N. a. m.	1.20	5.23 p. m.	5.47 p. m.	.01	.10	.40	.60	.70	.75									
Hannibal, Mo.:																				
July 31	2.52 p. m.	7.50 p. m.	.88	2.55 p. m.	3.09 p. m.	.02	.34	.50	.59											
Aug. 7	D. N. a. m.	5.27 a. m.	.87	2.57 a. m.	3.20 a. m.	.01	.15	.42	.54	.64	.72									
Sept. 6–7	8.55 p. m.	D. N. a. m.	1.33	9.25 p. m.	9.54 p. m.	.07	.10	.34	.42	.50	.57	.71								
Sept. 25	D. N. a. m.	7.20 a. m.	1.88	2.28 a. m.	3.02 a. m.	.15	.12	.32	.52	.57	.76	.89	.96							
St. Louis, Mo.:																				
Apr. 29–30	9.15 p. m.	D. N. a. m.	.61	9.38 p. m.	9.52 p. m.	.02	.12	.29	.48											
May 28	3.35 p. m.	5.30 p. m.	.87	4.21 p. m.	4.31 p. m.	.32	.33	.48												
Aug. 7–8	10.00 p. m.	1.00 a. m.	1.02	10.13 p. m.	10.56 p. m.	.01	.07	.12	.23	.35	.45	.69	.85	.97	1.06					
Sept. 4–5	6.01 p. m.	6.25 a. m.	3.05	12.23 a. m.	1.29 a. m.	1.21	.10	.25	.50	.62	.78	.84	.89	.97	1.06	1.18	1.29	1.48		
Nov. 11	6.10 p. m.	11.30 p. m.	.97	6.16 p. m.	6.32 p. m.	.01	.17	.37	.48	.52										
MISSOURI VALLEY.																				
Columbia, Mo.:																				
July 9	3.45 p. m.	7.04 p. m.	1.29	3.57 p. m.	4.55 p. m.	.02	.18	.46	.52	.53	.59	.65	.73	.80	.89	.98	1.19			
Sept. 6–7	11.11 p. m.	D. N. a. m.	2.58	11.14 p. m.	12.14 a. m.	.01	.08	.11	.16	.20	.27	.33	.54	.70	.94	1.08	1.27			
				1.36 a. m.	2.21 a. m.	1.45	.07	.15	.25	.44	.57	.63	.77	.90	.97					
Sept. 10	6.00 a. m.	1.15 p. m.	1.79	7.35 a. m.	7.53 a. m.	.16	.11	.24	.39	.48										
				8.37 a. m.	8.51 a. m.	.93	.19	.37	.49											
Sept. 15	4.31 p. m.	9.15 p. m.	1.44	4.43 p. m.	5.11 p. m.	.01	.19	.47	.62	.84	1.06	1.14								
Sept. 17	D. N. a. m.	D. N. a. m.	1.62	1.06 a. m.	1.25 a. m.	.12	.39	.82	.88	1.00										
Oct. 1	D. N. a. m.	10.41 a. m.	2.14	5.31 a. m.	7.15 a. m.	.01	.17	.43	.79	.91	.95	1.01	1.09	1.15	1.24	1.34	1.42	1.63	1.83	1.90
	5.14 p. m.	6.27 p. m.	.54	5.42 p. m.	6.00 p. m.	.08	.13	.26	.40	.50										
Kansas City, Mo.:																				
Apr. 12	7.55 p. m.	8.57 p. m.	.77	8.01 p. m.	8.52 p. m.	.01	.10	.13	.20	.26	.38	.44	.45	.47	.53	.73	.76			
July 28	1.40 a. m.	3.10 a. m.	.89	1.47 a. m.	2.05 a. m.	.01	.20	.28	.47	.56										
Aug. 3	2.20 a. m.	8.35 a. m.	1.50	3.31 a. m.	4.06 a. m.	.03	.18	.30	.44	.61	.72	.78	.85							
Sept. 10	5.30 a. m.	11.25 a. m.	2.52	5.40 a. m.	6.11 a. m.	.04	.25	.57	.67	.82	.96	1.02	1.06							
Oct. 12	7.25 a. m.	9.20 a. m.	.69	8.21 a. m.	9.02 a. m.	.03	.06	.17	.28	.32	.36	.40	.47	.60	.64					
Oct. 12–13	11.20 p. m.	D. N. a. m.	.98	11.30 p. m.	12.08 a. m.	.03	.09	.26	.38	.54	.69	.76	.83	.87						

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MISSOURI VALLEY—continued.																				
St. Joseph, Mo.:																				
Feb. 16–17	4.20 p. m.	D. N. a. m.	2.41	5.12 p. m.	6.12 p. m.	.04	.08	.13	.18	.25	.36	.54	.64	.75	.85	1.00	1.35			
May 13	2.12 p. m.	4.17 p. m.	1.45	3.16 p. m.	4.05 p. m.	.09	.22	.39	.44	.56	.86	1.05	1.14	1.17	1.28	1.34				
May 30–31	11.05 p. m.	1.30 a. m.	1.45	11.36 p. m.	12.25 a. m.	.02	.07	.15	.34	.44	.53	.62	.92	1.15	1.26	1.30				
July 22–23	10.15 p. m.	6.25 a. m.	2.55	4.02 a. m.	4.57 a. m.	.39	.28	.46	.66	.96	1.13	1.45	1.81	1.86	1.88	1.97	2.05			
Aug. 3	1.25 a. m.	8.15 a. m.	2.24	2.03 a. m.	2.36 a. m.	.06	.20	.47	.61	.79	.89	.99	1.05							
Sept. 11	2.15 a. m.	3.50 a. m.	.74	3.20 a. m.	3.43 a. m.	.02	.16	.26	.48	.67	.71									
Sept. 30–Oct. 1	9.20 p. m.	3.20 a. m.	4.01	12.48 a. m.	1.38 a. m.	.32	.09	.19	.23	.27	.33	.40	.56	.62	.72	.81				
				1.38 a. m.	2.28 a. m.	.85	.96	1.00	1.01	1.11	1.38	1.54	1.74	2.01	2.36					
				2.28 a. m.	3.15 a. m.	2.38	2.40	2.61	2.83	3.03	3.16	3.38	3.56	3.65	3.68					
Springfield, Mo.:																				
Apr. 4	12.35 p. m.	3.10 p. m.	.89	1.38 p. m.	1.58 p. m.	.24	.15	.32	.46	.50										
July 23	6.37 a. m.	10.15 a. m.	.87	6.56 a. m.	7.21 a. m.	.01	.10	.25	.43	.58	.68									
Aug. 22–23	10.07 p. m.	4.00 p. m.	1.94	2.13 a. m.	2.46 a. m.	.15	.09	.13	.21	.37	.48	.55	.60							
Oct. 1–2	11.03 p. m.	D. N. a. m.	.73	11.33 p. m.	11.55 p. m.	.10	.09	.16	.27	.43	.52									
Iola, Kans.:																				
May 19	4.30 p. m.	9.40 p. m.	1.69	4.36 p. m.	5.34 p. m.	.01	.17	.39	.49	.58	.69	.77	.85	.94	1.04	1.10	1.20			
July 6	3.18 p. m.	8.15 p. m.	1.57	4.29 p. m.	5.02 p. m.	.32	.15	.31	.43	.68	.84	.96	.99							
Aug. 4	12.58 a. m.	7.30 a. m.	2.74	1.04 a. m.	1.17 a. m.	.02	.19	.52	.63											
				2.08 a. m.	3.19 a. m	.73	.06	.12	.26	.43	.55	.69	.91	1.06	1.10	1.12	1.16	1.49		
Sept. 15–16	8.46 p. m.	7.55 a. m.	2.50	9.14 p. m.	9.37 p. m.	.13	.15	.25	.35	.67	.74									
				10.57 p. m.	11.27 p. m.	.93	.27	.54	.81	.94	1.06	1.10								
Topeka, Kans.:																				
Feb. 16–18	3.55 p. m.	6.30 p. m.	4.05	5.07 p. m.	5.47 p. m.	.09	.15	.29	.42	.55	.58	.67	.77	.86						
Apr. 12	3.35 p. m.	6.45 p. m.	.98	4.23 p. m.	4.58 p. m.	.01	.23	.30	.33	.44	.61	.64	.76							
July 22–23	7.01 p. m.	7.10 a. m.	2.83	5.07 a. m.	5.59 a. m.	.16	.20	.41	.76	1.06	1.35	1.61	1.98	2.33	2.52	2.60	2.65			
Aug. 3	1.03 a. m.	7.15 a. m.	1.19	2.08 a. m.	2.33 a. m.	.10	.18	.32	.42	.47	.56									
Aug. 20–21	11.23 p. m.	6.15 a. m.	2.26	11.44 p. m.	12.50 a. m.	.13	.19	.34	.51	.76	.88	.96	1.04	1.12	1.17	1.20	1.40	1.50		
Sept. 14	5.08 p. m.	6.15 p. m.	.69	5.16 p. m.	5.56 p. m.	.02	.18	.26	.29	.29	.30	.33	.54	.64						
Lincoln, Nebr.:																				
Apr. 28	7.18 p. m.	11.50 p. m.	1.47	8.45 p. m.	9.35 p. m.	.30	.05	.19	.27	.39	.60	.68	.71	.80	.86	.91				
May 13–14	10.55 p. m.	1.00 a. m.	.99	11.32 p. m.	12.32 a. m.	.01	.12	.17	.26	.32	.41	.48	.49	.51	.54	.58	.82			
Aug. 2–3	9.40 p. m.	2.15 a. m.	.95	10.26 p. m.	11.11 p. m.	.01	.25	.32	.35	.38	.38	.42	.46	.57	.66					
Aug. 17	2.40 a. m.	7.20 a. m.	2.31	3.08 a. m.	4.18 a. m.	.03	.06	.32	.67	.99	1.23	1.50	1.63	1.74	1.82	1.87	1.97	2.07		
Aug. 20–21	8.15 p. m.	1.30 a. m.	.66	8.29 p. m.	8.53 p. m.	.01	.10	.24	.32	.40	.46									
Sept. 2–3	7.28 p. m.	4.30 a. m.	1.35	1.36 a. m.	2.06 a. m.	.66	.09	.23	.35	.40	.41	.50								
Sept. 10	1.00 a. m.	3.15 a. m.	1.53	1.54 a. m.	2.34 a. m.	.03	.10	.38	.76	.92	1.01	1.18	1.28	1.36						
Omaha, Nebr.:																				
Sept. 30	12.45 p. m.	11.50 p. m.	1.80	5.14 p. m.	5.26 p. m.	.92	.21	.54	.58											
Valentine, Nebr.:																				
Aug. 17	3.53 p. m.	4.17 p. m.	.56	3.57 p. m.	4.09 p. m.	.01	.26	.48	.53											
Sept. 6	D. N. a. m.	D. N. a. m.	.98	12.19 a. m.	12.34 a. m.	.01	.20	.43	.62											
Sioux City, Iowa:																				
Apr. 29	1.57 p. m.	3.25 p. m.	.64	2.37 p. m.	3.02 p. m.	.03	.05	.19	.35	.47	.55									
May 21	5.15 p. m.	7.25 p. m.	.86	5.48 p. m.	6.08 p. m.	.17	.12	.31	.42	.49										
June 25–26	11.45 p. m.	2.00 a. m.	1.17	12.06 a. m.	12.46 a. m.	.06	.15	.32	.42	.52	.61	.66	.75	.87						
Aug. 12	2.00 a. m.	5.40 a. m.	.82	2.16 a. m.	2.41 a. m.	.06	.18	.23	.33	.35	.63									
Sept. 6	7.40 a. m.	9.15 a. m.	.79	8.21 a. m.	8.46 a. m.	.02	.08	.16	.42	.60	.65									
Pierre, S. Dak.[1]																				
Huron, S. Dak.:																				
July 22	6.30 p. m.	D. N. p. m.	1.01	6.57 p. m.	7.17 p. m.	.13	.14	.26	.42	.57										
July 30	8.28 p. m.	8.55 p. m.	.78	8.31 p. m.	8.44 p. m.	.02	.42	.67	.75											
Aug. 5–6	D. N. p. m.	D. N. a. m.	1.45	10.57 p. m.	11.50 p. m.	.02	.07	.12	.18	.27	.35	.49	.77	.97	1.05	1.14	1.23			
Sept. 3	3.35 a. m.	7.20 a. m.	1.06	3.54 a. m.	4.14 a. m.	.04	.16	.38	.44	.51										
Yankton, S. Dak.:																				
June 25–26	11.30 p. m.	4.15 a. m.	1.22	1.11 a. m.	1.44 a. m.	.19	.13	.30	.36	.41	.49	.53	.60							
July 22–23	10.55 p. m.	12.30 a. m.	.80	11.13 p. m.	11.34 p. m.	.03	.11	.33	.41	.51	.56									
Aug. 6	6.25 p. m.	7.20 p. m.	.60	6.36 p. m.	6.54 p. m.	.01	.26	.33	.49	.56										
Aug. 26	5.30 p. m.	6.20 p. m.	.93	5.44 p. m.	6.12 p. m.	.02	.13	.27	.60	.84	.89	.91								
Sept. 6	6.25 a. m.	8.10 a. m.	.81	7.19 a. m.	7.42 a. m.	.06	.10	.22	.24	.41	.58	.66	.74							
NORTHERN SLOPE.																				
Havre, Mont.:																				
June 23	1.55 p. m.	2.35 p. m.	.39	2.04 p. m.	2.20 p. m.	.01	.10	.20	.35	.38										
Helena, Mont.:																				
Sept. 3	1.33 p. m.	8.45 p. m.	1.49	3.44 p. m.	4.29 p. m.	.06	.08	.19	.25	.39	.63	.74	.83	.90	.96					
Kalispell, Mont.[1]																				
Rapid City, S. Dak.[1]																				
Cheyenne, Wyo.:																				
Aug. 9	6.00 p. m.	6.20 p. m.	.47	6.03 p. m.	6.16 p. m.	.01	.26	.41	.46											
Lander, Wyo.:																				
July 18	3.25 p. m.	6.25 p. m.	.96	4.29 p. m.	4.44 p. m.	.23	.23	.45	.53											

[1] No excessive rainfall.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
NORTHERN SLOPE—continued.																				
Sheridan, Wyo.:																				
Aug. 23	4.25 p. m.	7.15 p. m.	.52	4.37 p. m.	4.48 p. m.	.01	.30	.41	.47											
Yellowstone Park, Wyo.[1]																				
North Platte, Nebr.:																				
Sept. 9	7.37 p. m.	8.30 p. m.	.59	7.41 p. m.	7.58 p. m.	.01	.08	.26	.37	.43										
MIDDLE SLOPE.																				
Denver, Colo.[1]																				
Pueblo, Colo.:																				
July 2	4.22 p. m.	5.18 p. m.	.94	4.32 p. m.	4.59 p. m.	.01	.18	.34	.57	.75	.86	.92								
July 3	12.56 p. m.	1.43 p. m.	.54	1.03 p. m.	1.19 p. m.	.01	.16	.37	.49	.57										
Concordia, Kans.:																				
Apr. 29–30	9.40 p. m.	12.20 a. m.	1.36	10.21 p. m.	10.56 p. m.	.07	.07	.14	.37	.76	1.07	1.19	1.26							
May 30	7.47 p. m.	10.15 p. m.	1.06	8.06 p. m.	8.47 p. m.	.02	.05	.22	.38	.64	.76	.80	.91	.99						
Aug. 2	8.53 p. m.	11.47 p. m.	1.56	9.28 p. m.	10.15 p. m.	.01	.08	.36	.70	.98	1.17	1.30	1.35	1.40	1.45	1.49				
Aug. 18–19	10.58 p. m.	12.28 a. m.	1.52	11.23 p. m.	12.02 a. m.	.11	.25	.53	.81	.89	1.03	1.21	1.31	1.36						
Aug. 20–21	8.18 p. m.	3.00 a. m.	.86	10.05 p. m.	10.20 p. m.	.06	.25	.66	.71											
Sept. 30	3.12 p. m.	9.48 p. m.	.76	6.39 p. m.	6.48 p. m.	.12	.27	.49												
Dodge City, Kans.:																				
May 27	6.25 p. m.	10.30 p. m.	1.50	7.35 p. m.	8.25 p. m.	.11	.09	.14	.22	.33	.48	.62	.70	.86	.98	1.09				
				8.50 a. m.	9.40 a. m.	.05	.15	.28	.39	.90	1.41	1.55	1.63	1.66	1.71	1.79				
July 17	8.35 a. m.	11.30 a. m.	3.50	9.40 a. m.	10.30 a. m.		1.81	1.93	2.09	2.19	2.39	2.51	2.64	2.69	2.72	2.73				
				10.30 a. m.	11.08 a. m.		2.84	2.94	3.03	3.12	3.20	3.23	3.37	3.44						
July 18–19	9.45 p. m.	D. N. a. m.	1.89	10.50 p. m.	11.50 p. m.	.21	.11	.17	.23	.27	.34	.44	.57	.69	.87	.98	1.19			
July 27	3.45 p. m.	5.05 p. m.	1.00	3.48 p. m.	4.10 p. m.	.01	.22	.50	.78	.91	.93									
Wichita, Kans.:																				
May 27	Noon.	3.50 p. m.	.96	2.40 p. m.	3.04 p. m.	.30	.20	.34	.47	.58	.63									
May 27–28	4.55 p. m.	4.30 a. m.	1.75	12.32 a. m.	1.01 a. m.	.74	.13	.17	.24	.37	.45	.49								
May 31	1.30 a. m.	4.00 a. m.	.96	1.39 a. m.	1.52 a. m.	.01	.37	.74	.85											
July 9	3.09 p. m.	4.35 p. m.	.53	3.19 p. m.	3.40 p. m.	.01	.13	.27	.42	.51										
				2.09 a. m.	2.59 a. m.	.04	.24	.55	.90	1.04	1.15	1.31	1.42	1.48	1.54	1.57				
July 31	1.30 a. m.	5.45 a. m.	3.18	2.59 a. m.	3.49 a. m.		1.59	1.66	1.70	1.71	1.81	1.88	1.91	1.96	2.06	2.19				
				3.49 a. m.	4.29 a. m.		2.27	2.34	2.39	2.52	2.69	2.86	2.94	3.01						
Aug. 1	3.00 a. m.	8.55 a. m.	.97	5.05 a. m.	5.25 a. m.	.06	.21	.45	.58	.66										
Aug. 3	12.15 a. m.	3.30 a. m.	2.87	12.50 a. m.	2.17 a. m.	.10	.08	.19	.42	.50	.55	.66	.78	.86	1.05	1.31	1.94	2.46	2.65	
				5.12 p. m.	5.59 p. m.	.03	.09	.21	.36	.37	.38	.39	.50	.56	.69	.73				
Sept. 6	4.30 p. m.	7.50 p. m.	.83	10.06 p. m.	10.43 p. m.	.06	.22	.38	.55	.66	.81	.98	1.04	1.09						
				11.37 p. m.	12.27 a. m.	1.34	.08	.22	.34	.74	1.17	1.25	1.32	1.39	1.43	1.58				
				12.27 a. m.	1.17 a. m.		1.75	1.83	1.96	2.09	2.13	2.19	2.26	2.36	2.37	2.56				
Sept. 6–7	9.25 p. m.	6.30 a. m.	7.16	1.17 a. m.	2.07 a. m.		2.95	3.10	3.33	3.43	3.57	3.73	3.79	3.86	3.91	3.96				
				2.07 a. m.	2.57 a. m.		4.04	4.18	4.39	4.73	4.87	4.93	4.99	5.02	5.08	5.24				
				2.57 a. m.	2.59 a. m.		5.26													
Sept. 30	5.35 p. m.	6.25 p. m.	.94	5.37 p. m.	6.10 p. m.	.01	.14	.38	.49	.63	.83	.89	.93							
Oklahoma, Okla.:																				
Apr. 12	3.30 p. m.	5.54 p. m.	.98	3.49 p. m.	4.07 p. m.	.01	.19	.45	1.58	1.66										
May 28	2.15 p. m.	5.55 p. m.	.65	4.08 p. m.	4.26 p. m.	.01	.13	.39	.48	.50										
July 9	11.20 a. m.	2.45 p. m.	1.64	1.51 p. m.	2.26 p. m.	.30	.07	.14	.36	.60	.88	1.14	1.33							
SOUTHERN SLOPE.																				
Abilene, Tex.:																				
July 14	12.50 p. m.	2.10 p. m.	1.20	12.52 p. m.	1.49 p. m.	.01	.09	.17	.28	.40	.47	.54	.60	.75	.98	1.08	1.19			
July 17	1.47 p. m.	2.20 p. m.	.55	1.50 p. m.	2.10 p. m.	.01	.13	.33	.43	.52										
July 31	6.00 p. m.	8.10 p. m.	3.75	6.06 p. m.	7.16 p. m.	.02	.24	.70	1.03	1.36	1.69	2.02	2.32	2.76	3.01	3.14	3.46	3.65		
Dec. 8–9	11.50 a. m.	3.30 p. m.	4.65	7.30 a. m.	8.12 a. m.	2.81	.10	.13	.18	.72	.83	.93	.98	1.02	1.07					
Amarillo, Tex.:																				
Apr. 23–24	7.20 p. m.	3.00 a. m.	2.68	7.40 p. m.	8.49 p. m.	.02	.21	.38	.50	.66	.85	.95	1.00	1.11	1.25	1.38	1.40	1.71		
May 28	3.00 a. m.	7.15 a. m.	1.63	4.50 a. m.	5.05 a. m.	.66	.22	.32	.48											
May 29	2.30 a. m.	5.30 a. m.	1.00	2.50 a. m.	3.05 a. m.	.03	.17	.50	.70											
May 29	6.46 p. m.	8.55 p. m.	1.90	6.49 p. m.	7.27 p. m.	.02	.27	.48	.69	1.01	1.20	1.37	1.59	1.70						
July 17	12.37 p. m.	1.10 p. m.	.49	12.37 p. m.	12.57 p. m.	.00	.11	.18	.33	.49										
Del Rio, Tex.:																				
Aug. 25	6.03 p. m.	8.15 p. m.	1.04	6.05 p. m.	6.40 p. m.	T.	.17	.34	.40	.48	.60	.80	.90							
Dec. 18–19	7.50 p. m.	8.10 a. m.	1.12	5.30 a. m.	5.58 a. m.	.37	.12	.31	.38	.50	.59	.63								
Roswell, N. Mex.:																				
May 14	9.45 a. m.	11.05 a. m.	.66	10.00 a. m.	10.28 a. m.	.01	.05	.11	.24	.27	.50	.58								
May 29	3.00 p. m.	4.50 p. m.	1.30	3.47 p. m.	4.42 p. m.	.05	.12	.38	.61	.79	.87	.91	.92	.92	.93	.97	1.25			
SOUTHERN PLATEAU.																				
El Paso, Tex.:																				
June 13	6.18 p. m.	7.10 p. m.	1.29	6.24 p. m.	6.50 p. m.	.01	.18	.50	.83	1.05	1.24	1.28								
July 10–11	8.20 p. m.	D. N. a. m.	.95	8.23 p. m.	8.35 p. m.	.01	.28	.44	.50											
July 21	3.50 a. m.	5.40 a. m.	.69	3.59 a. m.	4.18 a. m.	.05	.16	.28	.38	.47										

[1] No excessive rainfall.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
SOUTHERN PLATEAU—contd.																				
Santa Fe, N. Mex.:																				
July 2	5.45 a. m.	4.00 p. m.	1.59	10.34 a. m.	10.52 a. m.	.41	.07	.43	.56	.61										
July 11	5.06 p. m.	5.30 p. m.	.49	5.10 p. m.	5.25 p. m.	.01	.20	.39	.47											
Flagstaff, Ariz.:																				
July 17	12.14 p. m.	1.15 p. m.	1.00	12.23 p. m.	12.52 p. m.	.01	.08	.24	.42	.61	.84	.93								
Sept. 29	12.05 a. m.	D. N. a. m.	.83	12.05 a. m.	12.25 a. m.	.00	(3)	(3)	(3)	.83										
Phoenix, Ariz.:																				
July 1–2	12.18 a. m.	9.50 a. m.	5.49	[2] 2.56 a. m.	[2] 4.06 a. m.	3.56	.06	.12	.18	.23	.27	.32	.36	.42	.52	.72	.89	1.09		
Yuma, Ariz.[1]																				
Independence, Cal.[1]																				
MIDDLE PLATEAU.																				
Reno, Nev.:																				
July 18	12.15 p. m.	12.48 p. m.	.62	12.21 p. m.	12.40 p. m.	.01	.16	.30	.36	.61										
Tonopah, Nev.[1]																				
Winnemucca, Nev.[1]																				
Modena, Utah:																				
July 18	7.05 p. m.	11.10 p. m.	.74	7.07 p. m.	7.27 p. m.	.01	.07	.22	.43	.48										
Durango, Colo.:																				
Aug. 23	11.21 a. m.	3.17 p. m.	1.31	12.29 p. m.	1.12 p. m.	.19	.12	.20	.26	.38	.46	.67	.74	.86	.94					
Grand Junction, Colo.[1]																				
NORTHERN PLATEAU.																				
Baker, Oreg.[1]																				
Boise, Idaho[1]																				
Lewiston, Idaho[1]																				
Pocatello, Idaho[1]																				
Spokane, Wash.[1]																				
Walla Walla, Wash.:																				
May 25	5.48 p. m.	8.25 p. m.	.85	6.02 p. m.	6.34 p. m.	.05	.07	.23	.38	.45	.53	.57	.61							
NORTH PACIFIC COAST REGION.																				
North Head, Wash.[1]																				
Port Crescent, Wash.[1]																				
Seattle, Wash.[1]																				
Tacoma, Wash.[1]																				
Portland, Oreg.[1]																				
Roseburg, Oreg.[1]																				
MIDDLE PACIFIC COAST REGION.																				
Eureka, Cal.[1]																				
Mount Tamalpais, Cal.:																				
Jan. 13–14	8.00 a. m.	1.50 p. m.	2.56	5.00 p. m.	5.49 p. m.	.93	.19	.22	.34	.40	.46	.53	.59	.65	.71	.78				
Point Reyes Light, Cal.[1]																				
Red Bluff, Cal.:																				
Jan. 9	12.50 p. m.	2.42 p. m.	.62	12.52 p. m.	1.17 p. m.	.01	.13	.23	.36	.46	.53									
Sacramento, Cal.[1]																				
San Francisco, Cal.[1]																				
San Jose, Cal.[1]																				
Southeast Farallon, Cal.[1]																				
SOUTH PACIFIC COAST REGION.																				
Fresno, Cal.[1]																				
Los Angeles, Cal.[1]																				
San Diego, Cal.[1]																				
San Luis Obispo, Cal.:																				
Mar. 6–8	2.00 p. m.	10.00 a. m.	7.30	4.19 a. m.	5.09 a. m.	1.68	.14	.16	.21	.26	.31	.41	.53	.79	.87	.93				
				6.11 a. m.	6.40 a. m.	2.99	.16	.26	.37	.56	.63	.71								
Dec. 3–4	6.00 p. m.	8.00 a. m.	1.30	3.39 a. m.	3.59 a. m.	.61	.10	.25	.35	.41										
ISLAND POSSESSIONS.																				
Honolulu, Hawaii:																				
Jan. 9	D. N. a. m.	D. N. a. m.	.54	2.53 a. m.	1.00 a. m.	.01	.33	.48												
Jan. 17	D. N. a. m.	7.45 a. m.	.81	5.50 a. m.	6.10 a. m.	.02	.16	.31	.52	.62										
Jan. 17	10.04 a. m.	11.45 a. m.	.57	11.24 a. m.	11.38 a. m.	.05	.09	.34	.51											

[1] No excessive rainfall. [2] July 2. [3] Estimated.

Table showing the accumulated amounts of precipitation for each five minutes during the principal storms of 1911, etc.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
ISLAND POSSESSIONS—contd.																				
San Juan, P. R.:																				
Jan. 22	6.15 a. m.	8.35 a. m.	.58	7.30 a. m.	7.51 a. m.	.08	.13	.26	.37	.45	.48	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mar. 25-26	11.25 p. m.	12.10 a. m.	.56	11.41 p. m.	12.05 a. m.	.03	.14	.27	.31	.37	.51	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 18	1.55 a. m.	6.15 a. m.	1.44	3.12 a. m.	4.05 a. m.	.12	.10	.36	.57	.58	.61	.62	.63	.69	.78	.99	1.08	.....	.....	.....
May 11	2.30 p. m.	7.15 p. m.	1.16	3.55 p. m.	4.56 p. m.	.24	.09	.13	.17	.27	.50	.51	.51	.51	.51	.62	.90	.92	.....	.....
May 22	9.10 p. m.	11.00 p. m.	1.62	9.15 p. m.	10.08 p. m.	.01	.71	1.02	1.08	1.10	1.11	1.11	1.11	1.23	1.45	1.53	1.59	.....	.....	.....
June 7	12.10 p. m.	1.05 p. m.	.72	12.34 p. m.	12.57 p. m.	.01	.18	.41	.57	.64	.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 22	3.20 a. m.	5.30 a. m.	1.31	4.32 a. m.	4.52 a. m.	.34	.27	.62	.79	.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 17	6.30 p. m.	7.50 p. m.	1.68	6.30 p. m.	7.09 p. m.	.00	.44	.86	1.12	1.29	1.37	1.47	1.58	1.63	.....	.....	.....	.....	.....	.....
Oct. 27	12.25 p. m.	1.40 p. m.	1.23	12.38 p. m.	1.22 p. m.	.04	.18	.27	.37	.41	.54	.82	1.03	1.11	1.17	.....	.....	.....	.....	.....
Nov. 3	5.55 p. m.	7.40 p. m.	.73	6.50 p. m.	7.25 p. m.	.16	.08	.15	.22	.27	.34	.43	.55	.....	.....	.....	.....	.....	.....	.....
Dec. 8	1.30 p. m.	7.15 p. m.	1.16	2.58 p. m.	3.25 p. m.	.33	.13	.23	.38	.46	.58	.63	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 9	3.30 p. m.	5.50 p. m.	1.61	3.41 p. m.	4.00 p. m.	T.	.49	.89	1.19	1.34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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PART III.

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR ONE HUNDRED AND NINETY-FOUR STATIONS DURING 1911.

EXPLANATION OF THE TABLES.

For a detailed account of the method of reducing the observed barometric pressures the reader is referred to the "Report on the barometry of the United States, Canada, and the West Indies," to be found in the Annual Report of the Chief of the Weather Bureau, 1900–1901, Volume II.

Pressure.—Two mercurial barometers of the well-known Fortin cistern pattern, or a modified form thereof, are furnished each station. One of these, the "station barometer," is used in making all regular observations; the other, the "extra," is held in reserve for use in case of emergency, except that once each month five comparative readings are made on the two instruments for purpose of check upon the deterioration of either instrument.

Each barometer, before issue to station, is compared with the substandard at Washington, and a certificate or correction card furnished showing the several constant corrections that must be applied to the readings of the instrument in order to derive therefrom the actual pressure of the air in standard units at a specified elevation. Each observation as made, therefore, is corrected by the application of the following:

(1) Correction for scale errors, capillarity, etc.

(2) Correction to standard gravity, comprising both a latitude and altitude term.

(3) Correction for removal—a correction applied if any change has been made in the elevation of the barometer, to reduce the readings to the elevation adopted in 1900.

Corrections 1, 2, and 3 are constant for any one station and are combined in a single sum.

(4) Correction for the temperature of the scale and mercurial column.

The monthly mean pressures given in the summary are deduced from the corrected observations of pressure at 8 a. m. and 8 p. m., seventy-fifth meridian time, by taking the mean thereof and applying thereto a correction to reduce to the mean of 24-hourly observations.

The extremes are selected from a consideration of the 8 a. m., the 8 p. m., and all special observations made during the month.

The homogeneous system of pressures.—In the report on barometry mentioned above, which comprises a discussion of the Weather Bureau observations for the years 1873–1899, inclusive, it was shown that a "residual-reduction" correction is required for several stations in order to produce a system of homogeneous pressures or smooth isobars on any selected plane, as the sea-level plane, the 3,500-foot plane, or the 10,000-foot plane.

The corrections required to reduce a given observed barometric reading to a true air pressure are fully specified above under 1, 2, 3, and 4. The additional corrections required to reduce the pressure thus obtained to any desired plane, as the sea-level plane, for example, are:

(5) B_0.—B. The free air Laplacean reduction from the station to any other level, including the gravity term, but not the aqueous vapor tension.

(6) C. $\Delta\theta$. H. The correction of the free-air reduction for the Plateau effect.

(7) e_1. The correction for the moisture mixed with the dry air.

(8) Δ A. The local correction for certain stations to reduce them to a homogeneous system.

These four corrections to the actual station pressure are united in a "table of reductions to sea level" prepared for the several stations. The table was computed for the mean temperature of the air column θ; the relation between the diurnal surface temperature t and that of the air column θ was determined, and the argument adjusted so as to transfer it from θ to t. The arguments of the table are the diurnal surface temperature t and the actual station pressure B; while the body of the table gives the reduced sea-level pressure in inches. The surface temperature is determined by the customary formula $T=\frac{8\text{ a. m.}+8\text{ p. m.},}{2}$ when two observations are taken, or by $T=\frac{\text{Max.}+\text{Min.},}{2}$ when only one observation is taken each day.

Corrections 5, 6, 7, and 8 constitute solely the reduction required to pass from a given observed air pressure at one elevation to the corresponding pressure that would be observed at another elevation.

We have, finally, in order to produce an entirely homogeneous system of pressures, one remaining correction, viz:

(9) The reduction to the mean of 24-hourly observations.

These diurnal corrections, collected by months for the several stations, are found in Table 27 of the Annual Report, 1900–1901, "Diurnal corrections of barometric pressure, taken at a few selected hours, to the mean of 24-hourly observations." This reduction of the mean monthly and yearly pressures is necessary in order to make the annual results comparable with the system derived from the discussion of the years 1873–1899, inclusive, also for the comparison of international observations where different sets of selected hours have been employed, and for the study of all cosmical problems.

The monthly mean pressures recorded in the annual summary tables have the corrections to the mean of 24-hourly observations applied to them.

It should be noted that the diurnal correction was not applied to the monthly mean pressures published in the Annual Report of the Chief of the Weather Bureau for 1900–1901.

This has now been done and the corrected values for that year were given in a special table that appeared on pages 61 to 63 of the report for 1901–2. It will be understood that the monthly and annual means given in the special table are comparable with the series of 1873–1899, published in Volume II of the 1900–1901 report.

Temperature.—The temperature of the air at 8 a. m. and 8 p. m., seventy-fifth meridian time, is obtained by the use of the whirled dry-bulb thermometer. The latter is a part of the whirled psychrometer and is mounted in the thermometer shelter adopted in 1885. The means of these observations are given in the columns headed 8 a. m. and 8 p. m., respectively.

The maximum temperature is obtained by the use of the Negretti and Zambra mercurial thermometer, having a constriction in the bore of the tube below the scale. The minimum temperature is obtained by the use of the ordinary Rutherford alcohol minimum thermometer. Both instruments are read and the values recorded twice daily, at 8 a. m. and 8 p. m., seventy-fifth meridian time, and are set twice daily, at 8 a. m. and 8 p. m. The extremes given in the summaries are for the civil day, midnight to midnight, standard of time in local use. The monthly means have been obtained by dividing the sum of the mean maximum and mean minimum temperatures by 2.

Moisture.—The monthly means of the dew-point, relative humidity, and vapor pressure are given as computed directly from the original daily observations.

The rain gages used at the regular Weather Bureau stations have a circular catchment area of about 8 inches diameter, and the snow, hail, or sleet caught within them is melted and measured as water. The rain gage proper is set within an inclosing cylinder 8 inches in diameter and 2 feet high, which serves as an overflow attachment in the case of heavy rains and as a snow gage in the winter season.

The sum total of the depth of rain and melted snow is measured to within 0.01 inch at 8 a. m. and 8 p. m., seventy-fifth meridian time, daily. The total precipitation is determined from the amounts recorded daily, midnight to midnight, standard of time in local use.

The snow caught and retained in the gage is melted and measured as water. No correction is applied for the snow that is lost out of the gage by the eddying action of the wind; consequently in some cases the record is less than would be given if the observer had measured cylinders of snow cut from the spots representing the average snowfall on the ground. When it is known that the catch of the snow gage is markedly deficient, an independent ground measurement is made and used as the official record. The loss of both rain and snow, caused by high winds, from gages located on the roofs of tall buildings in which some of the regular stations of the Weather Bureau are located is undoubtedly larger than is the case at the cooperative stations, whose gages are located in the open country and near the ground, but this loss does not appear to be sufficient to make the monthly and annual sums derived from these two classes of stations wholly inconsistent with each other.

By the maximum precipitation in twenty-four hours is meant the greatest measurement for any twenty-four consecutive hours; it does not refer to the rate of rainfall for twenty-four hours, as deduced from short, heavy showers.

The number of days with precipitation amounting to 0.01 and 0.04 inch, respectively, relates to the rainfall from midnight to midnight, standard of time in local use.

The cloudiness recorded in the summaries is derived from personal observations. The proportion of sky covered with clouds is estimated by the observer at 8 a. m. and 8 p. m., seventy-fifth meridian time, on a scale of 0–10. The two observations can not be combined into a daily mean in the present state of our knowledge of the diurnal variations in cloudiness, and are therefore given separately. In order, however, to obtain a general record of the sunshine as affecting the growth of plants, the observer keeps some memoranda of the cloudiness, sufficient to enable him at the end of the day to assign a percentage representing the average condition of the sky from sunrise to sunset; the resulting average for each month is given in the column of "daylight" cloudiness.

The number of days that were clear, as given under "Number of days, etc.," includes those on which the daylight cloudiness was 0, 1, 2, or 3 tenths; the days partly cloudy are those on which the daylight cloudiness was 4, 5, 6, or 7 tenths; the cloudy days were those having 8, 9, or 10 tenths of cloudiness during daylight.

Wind.—The direction and velocity of the wind are recorded at nearly all the stations on what is known as the "triple register." On these instruments the direction of the wind is recorded every minute.

The maximum velocities given are for five-minute periods.

A wind velocity of 40 miles per hour is considered a gale.

Number of days.—The number of days with snow includes all of those on which at least 0.01 inch of melted snow, corresponding to about one-tenth of an inch of unmelted snow, fell in the twenty-four hours, midnight to midnight, standard of time in local use.

The number of days with hail includes all of those on which at least a trace of hail fell.

No record is made of deposits of dew.

The number of days with fog includes all of those on which fog prevailed for at least an hour, and was dense enough to obscure objects 1,000 feet distant.

References and abbreviations.—H=height of barometer cistern above mean sea level on January 1, 1900, that being the elevation to which all previous readings have been reduced. It is designated as the "station, or adopted, elevation." At stations where a change has been made in the elevation of the barometer since January 1, 1900, a corresponding correction has been applied to the observed reading, thereby reducing all values to the "station, or adopted, elevation." The actual elevation and the station, or adopted, elevation are identical, except at stations where the barometer has been moved since January 1, 1900. h_t=height of thermometer above ground; h_r=height of rain gage above ground; h_a=height of anemometer above ground.

Annual meteorological summary for the year ending December 31, 1911.

ABILENE, TEX.

[ϕ=32° 23′ N.; λ=99° 40′ W.]

Month.	Pressure.			Temperature.							Moisture.										Cloudiness.		
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.						
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.			8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*					
January	28.315	28.764	27.935	43.8	55.6	62.6	40.4	51.5	90	5	34	35	70	50	0.232	0.248	0.53	0.40			3.4	4.4	5.6
February	28.273	28.917	27.923	44.3	51.8	58.7	40.4	49.6	89	19	33	31	68	52	.215	.191	3.02	1.75			7.4	6.9	7.4
March	28.246	28.597	27.913	49.9	66.6	73.3	48.2	60.8	94	28	40	39	70	41	.265	.259	.91	.31			5.4	6.3	5.9
April	28.136	28.571	27.800	55.6	67.2	72.8	52.8	62.8	90	43	50	49	85	56	.382	.360	2.71	1.20			7.3	7.1	7.5
May	28.177	28.403	27.725	63.8	79.3	84.2	61.3	72.8	97	43	53	49	70	38	.424	.370	.06	.06			4.2	5.0	4.7
June	28.135	28.302	27.925	76.1	93.6	97.3	73.2	85.2	105	66	58	48	55	22	.496	.338	.08	.08			3.2	3.6	3.5
July	28.186	28.520	27.951	74.9	86.1	93.8	71.7	82.8	107	54	64	60	72	45	.614	.527	6.39	3.81			5.8	6.8	6.4
August	28.151	28.323	27.964	74.1	90.2	93.9	72.7	83.3	103	63	64	58	71	38	.592	.501	2.83	1.39			3.5	3.5	3.9
September	28.197	28.340	27.999	71.8	85.0	91.0	71.1	81.0	95	61	65	63	80	50	.628	.582	1.38	1.15			1.9	1.3	1.9
October	28.242	28.466	27.938	55.1	68.6	75.7	53.7	64.7	94	32	48	46	78	47	.372	.333	1.37	.73			4.1	4.0	4.1
November	28.299	28.782	27.885	41.6	53.7	63.6	36.8	50.2	87	14	29	28	62	39	.189	.179	.31	.20			3.4	3.6	4.0
December	28.239	28.631	27.900	37.2	45.2	51.3	34.6	43.0	67	15	32	35	82	71	.192	.215	6.29	4.57			5.4	5.5	5.9
Year	28.216	28.917	27.725	57.4	70.2	76.5	54.7	65.6	107	5	48	45	72	46	.383	.342	25.88	4.57			4.6	4.8	5.1

ALBANY, N. Y.

[ϕ=42° 39′ N.; λ=73° 45′ W.]

January	30.038	30.574	29.157	24.9	27.6	35.3	17.8	26.6	52	1	19	22	77	78	0.114	0.127	1.56	0.83			7.1	5.4	6.6
February	30.011	30.612	29.489	19.4	24.8	31.0	13.9	22.4	50	−8	15	18	81	73	.088	.101	1.02	.44			7.0	5.1	5.8
March	29.885	30.608	28.976	26.6	33.8	39.9	23.1	31.5	56	3	21	24	78	65	.116	.131	2.51	.80			4.9	3.8	4.3
April	30.029	30.584	29.468	40.2	48.7	55.7	35.0	45.4	84	20	31	35	69	60	.178	.217	1.15	.41			3.7	4.4	3.9
May	29.910	30.338	29.343	60.7	68.1	76.9	54.1	65.5	97	31	49	50	66	54	.379	.396	2.15	.75			3.7	5.1	3.8
June	29.825	30.142	29.514	64.1	67.9	75.7	57.5	66.6	87	51	55	54	74	62	.445	.437	4.27	1.33			5.2	5.9	5.0
July	29.879	30.170	29.493	71.2	76.7	86.1	64.5	75.3	104	55	61	61	72	60	.553	.548	3.16	1.05			3.6	5.2	3.7
August	29.911	30.197	29.557	66.5	72.5	80.6	61.4	71.0	95	50	59	58	77	62	.507	.496	4.53	1.62			4.8	5.2	4.7
September	29.954	30.325	29.513	57.6	64.1	72.0	53.4	62.7	90	38	52	54	82	70	.405	.433	2.86	.77			5.5	3.7	4.3
October	29.990	30.451	29.498	45.8	52.0	58.6	42.7	50.6	70	31	41	42	85	71	.269	.282	5.00	2.31			5.6	4.5	4.9
November	29.895	30.374	29.173	35.0	37.5	44.5	30.7	37.6	65	20	29	29	80	70	.169	.163	1.51	.63			5.7	5.4	6.5
December	30.041	30.500	29.380	32.1	34.9	40.2	28.9	34.6	60	13	27	29	81	77	.154	.164	2.38	.75			7.6	5.8	6.3
Year	29.947	30.612	28.976	45.3	50.7	58.0	40.2	49.2	104	−8	38	40	77	67	.281	.291	32.10	2.31			5.4	4.9	5.0

ALPENA, MICH.

[ϕ=45° 05′ N.; λ=83° 30′ W.]

January	29.389	29.805	28.514	20.4	22.0	28.6	13.9	21.2	41	−5	17	18	84	85	0.099	0.106	1.09	0.49			7.5	7.4	7.2
February	29.409	29.879	28.952	21.4	25.0	30.8	17.5	24.2	52	−3	18	20	83	80	.099	.107	1.97	.79			7.6	7.3	7.4
March	29.309	29.912	28.623	33.5	28.6	35.5	19.2	27.4	54	1	18	22	78	74	.101	.118	1.36	.28			5.1	5.3	5.8
April	29.434	29.906	28.530	36.4	40.0	46.2	31.5	38.8	72	11	29	30	75	70	.167	.176	1.86	.91			5.2	4.2	5.1
May	29.350	29.726	28.834	53.0	54.0	65.6	44.7	55.2	94	22	45	45	76	75	.326	.320	3.72	1.23			4.1	5.5	5.7
June	29.300	29.625	28.841	60.4	62.9	71.2	53.4	62.3	89	45	53	54	77	74	.405	.420	2.95	1.23			6.3	5.1	5.8
July	29.305	29.587	28.658	65.4	69.0	77.5	57.2	67.4	101	46	57	57	74	67	.468	.467	1.20	.36			3.3	3.9	4.8
August	29.367	29.696	29.056	60.5	66.2	74.4	54.6	64.5	90	40	55	56	84	71	.447	.467	1.22	.40			4.2	3.5	4.7
September	29.406	29.671	28.999	53.6	57.5	65.9	48.4	57.2	88	37	49	50	84	77	.353	.370	1.89	.39			5.7	5.1	5.8
October	29.413	29.706	28.805	42.8	46.7	53.8	39.2	46.5	67	27	39	40	85	77	.242	.252	3.92	1.35			6.5	5.9	6.3
November	29.238	29.854	28.430	30.5	32.4	38.8	26.1	32.4	60	13	27	26	85	78	.151	.148	4.63	1.60			8.5	7.5	8.1
December	29.400	29.926	28.529	28.9	31.3	36.3	25.8	31.0	54	10	26	27	86	81	.139	.147	1.42	.41			7.6	5.9	7.1
Year	29.360	29.926	28.430	41.4	44.6	52.0	36.0	44.0	101	−5	36	37	81	76	.250	.258	27.23	1.60			6.0	5.6	6.2

AMARILLO, TEX.

[ϕ=35° 13′ N.; λ=101° 50′ W.]

January	26.318	26.635	25.928	34.9	49.2	60.1	31.1	45.6	82	−6	27	28	73	48	0.154	0.160	0.13	0.07			4.8	4.9	4.0
February	26.307	26.880	25.844	32.0	42.4	49.3	27.9	38.6	77	7	24	26	73	61	.131	.153	2.88	1.89			5.8	5.8	4.3
March	26.310	26.650	25.926	40.5	58.1	65.0	37.9	51.4	83	21	33	32	75	41	.192	.198	.50	.50			4.9	4.9	3.0
April	26.205	26.688	25.872	46.2	63.3	70.1	43.6	56.8	87	35	38	35	74	43	.232	.224	2.76	2.68			4.9	5.8	4.2
May	26.250	26.418	25.876	56.1	72.7	78.2	53.0	65.6	92	36	49	47	79	45	.363	.346	5.88	2.90			5.4	5.4	4.3
June	26.267	26.489	26.024	66.6	85.3	90.7	63.4	77.0	105	59	56	50	70	32	.450	.370	.20	.11			4.2	4.9	3.4
July	26.320	26.615	26.103	66.8	79.2	86.2	64.5	75.4	96	54	62	60	84	56	.553	.535	3.85	1.12			6.0	6.5	5.1
August	26.298	26.460	26.032	65.1	83.0	88.5	63.1	75.8	102	54	58	55	79	43	.483	.444	2.97	2.66			5.2	4.3	4.0
September	26.299	26.491	26.091	64.4	79.6	87.7	62.8	75.2	95	54	58	55	80	44	.487	.432	.83	.41			5.2	4.2	3.8
October	26.309	26.533	25.991	46.4	60.0	70.1	44.1	57.1	91	26	41	40	81	53	.273	.266	.84	.34			5.2	3.7	4.3
November	26.301	26.790	25.843	32.4	43.4	55.6	27.6	41.6	75	5	25	26	74	55	.137	.146	.94	.41			4.2	3.5	3.6
December	26.250	26.633	25.875	24.2	31.5	39.7	20.5	30.1	63	0	20	23	84	72	.114	.127	.95	.83			5.0	4.6	4.0
Year	26.286	26.880	25.843	48.0	62.3	70.1	45.0	57.5	105	−6	41	40	77	49	.297	.283	22.73	2.90			5.1	4.9	4.0

Annual Meteorological Summary for the year ending December 31, 1911.

ABILENE, TEX.

[H=1,738 ft.; h_1=10 ft.; h_2=3 ft.; h_3=52 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. By self-register. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	11.0	S.	35	S.	0	9	3	2	3	20	19	3	3	0	10	6	15	2	2	1	0	0	0	2	0	7	0	0
February	11.3	N.	46	S.	1	18	4	2	5	12	5	6	4	0	4	5	19	5	5	2	0	0	0	0	0	7	1	0
March	9.8	S.	38	W.	0	10	7	4	4	21	9	5	2	0	9	8	14	7	6	0	0	1	0	0	4	2	3	0
April	10.5	S.	53	NW.	1	7	5	9	10	20	7	0	1	1	5	4	21	11	10	0	0	0	0	0	1	0	7	0
May	12.0	S.	31	NE.	0	5	0	3	15	32	4	1	1	1	14	9	8	1	1	0	0	0	0	0	9	0	3	0
June	11.6	S.	32	W.	0	0	5	3	6	30	15	1	0	0	18	6	6	1	1	0	0	0	0	0	30	0	2	0
July	10.4	S.	60	SE.	1	3	5	8	9	31	6	0	0	0	3	18	10	9	8	0	0	1	0	0	25	0	13	0
August	8.7	S.	34	SW.	0	5	5	8	8	30	2	2	1	1	19	4	8	7	7	0	0	0	0	0	23	0	6	0
September	9.4	S.	37	W.	0	2	1	1	11	39	5	1	0	0	24	4	2	2	2	0	0	0	0	0	24	0	2	0
October	9.8	S.	37	S.	0	11	7	4	8	26	2	2	2	0	16	8	7	5	4	0	0	0	0	0	7	0	2	0
November	11.5	S.	36	NW.	0	13	4	2	4	19	13	3	2	0	14	10	6	3	2	0	0	0	0	1	0	12	0	0
December	8.6	N.	35	SE.	0	14	5	1	11	11	5	11	4	0	11	2	18	10	7	2	1	0	1	0	0	12	1	0
Year	10.4	S.	60	SE.	3	97	51	47	94	291	92	35	20	3	147	84	134	63	55	5	1	2	1	3	123	40	40	0

ALBANY, N. Y.

[H=97 ft.; h_1=102 ft.; h_2=100 ft.; h_3=115 ft.]

January	9.1	NW.	36	SE.	0	6	6	0	4	15	8	2	21	0	9	4	18	12	8	9	2	0	3	10	0	29	0	1
February	8.3	NW.	33	SE.	0	11	7	1	6	5	7	2	17	0	9	8	11	9	7	16	8	0	0	13	0	27	0	0
March	9.7	NW.	33	W.	0	5	10	2	2	16	4	7	16	0	13	12	6	10	7	15	7	0	1	5	0	27	2	0
April	8.2	NW.	32	SE.	0	6	17	1	3	9	5	5	12	2	16	10	4	8	7	8	4	0	0	1	0	11	0	1
May	7.7	S.	28	S.	0	3	3	0	5	28	6	3	12	2	15	13	3	10	9	1	0	0	1	0	4	1	4	0
June	7.1	NW.	29	SE.	0	5	4	4	10	6	5	2	23	1	14	6	10	12	7	0	0	0	2	0	0	0	7	0
July	6.4	S.	30	SW.	0	2	6	2	8	21	8	4	8	3	16	13	2	11	9	0	0	1	0	0	10	0	8	0
August	6.6	S.	33	NW.	0	8	4	1	10	22	3	4	9	1	14	9	8	9	6	0	0	1	0	0	2	0	6	0
September	7.3	S.	31	SE.	0	9	6	2	5	14	8	3	11	2	18	5	7	12	7	0	0	0	2	0	0	0	3	0
October	6.8	S.	35	S.	0	9	9	4	4	16	5	6	7	2	15	6	10	12	11	0	0	0	4	0	0	1	0	0
November	8.9	S.	36	S.	0	2	4	2	3	22	12	6	8	1	6	11	13	13	7	10	7	0	4	1	0	20	0	0
December	7.1	S.	30	NW.	0	8	5	1	4	20	4	1	19	0	6	14	11	13	8	8	5	0	1	6	0	21	0	0
Year	7.8	S.	36	SE.	0	74	81	20	64	194	75	45	163	14	151	111	103	131	93	67	33	2	18	36	16	137	30	2

ALPENA, MICH.

[H=609 ft.; h_1=13 ft.; h_2=4 ft.; h_3=92 ft.]

January	12.2	NW.	48	NW.	3	2	3	0	4	11	16	12	14	0	5	7	19	15	7	22	11	0	2	17	0	30	0	0
February	13.7	NW.	48	E.	2	2	3	4	8	6	4	11	18	0	1	14	13	15	8	21	11	0	3	17	0	26	0	2
March	13.6	NW.	42	NW.	1	0	2	2	6	12	6	10	24	0	8	11	12	17	11	19	13	0	2	12	0	29	1	0
April	10.9	SE.	35	E.	0	6	3	8	13	6	2	7	15	0	12	10	8	9	6	6	3	0	5	2	0	12	1	1
May	10.3	SE.	47	S.	1	3	4	5	15	8	5	9	13	0	10	7	14	12	10	2	2	0	6	0	1	5	8	1
June	8.4	SE.	44	W.	1	7	6	5	15	8	3	3	13	0	6	15	9	7	7	0	0	0	1	0	0	0	6	0
July	10.6	SE.	46	SE.	1	4	2	1	13	8	6	13	15	0	8	20	3	11	8	0	0	0	0	0	5	0	5	0
August	9.2	NW.	36	SE.	0	7	1	5	8	7	6	9	18	1	6	24	1	9	5	0	0	0	0	0	0	0	3	1
September	10.4	NW.	51	SE.	1	6	9	3	10	8	4	7	13	0	7	14	9	11	9	0	0	0	0	0	0	0	3	1
October	10.3	SW.	42	SE.	1	5	10	4	7	9	8	9	10	0	5	14	12	13	8	4	1	0	3	0	0	4	1	0
November	14.0	W.	49	SE.	2	5	1	2	7	6	14	16	9	0	2	9	19	16	11	17	11	0	0	5	0	22	1	0
December	11.5	SW.	45	SW.	1	1	2	7	4	8	20	12	8	0	4	12	15	10	7	13	8	0	2	8	0	26	0	0
Year	11.3	NW.	51	SE.	14	48	46	46	110	97	94	118	170	1	74	157	134	145	97	104	60	0	24	61	6	154	29	6

AMARILLO, TEX.

[H=3,676 ft.; h_1=10 ft.; h_2=3 ft.; h_3=49 ft.]

January	12.5	SW.	32	SW.	0	7	6	2	3	15	23	4	2	0	14	16	1	3	2	1	1	0	1	1	0	16	0	0
February	12.5	SE.	46	SW.	1	4	4	3	11	7	3	12	12	0	18	6	4	7	6	7	5	0	0	7	0	20	0	0
March	12.5	S.	43	SW.	1	7	7	5	6	18	11	4	4	0	25	6	0	2	2	0	0	0	0	0	0	6	1	0
April	13.5	S.	46	SW.	2	3	7	9	9	16	9	3	4	0	16	11	3	6	3	0	0	1	2	0	0	0	3	0
May	15.0	SE.	36	S.	0	3	1	5	27	17	2	3	4	0	15	14	2	8	7	0	0	0	0	0	2	0	5	0
June	11.9	SE.	39	W.	0	3	6	6	23	15	2	3	2	0	21	9	0	3	2	0	0	0	0	0	14	0	4	0
July	9.6	SE.	33	E.	0	5	1	11	24	11	3	5	2	0	7	19	5	18	12	0	0	0	0	0	9	0	9	0
August	10.4	SE.	30	SE.	0	5	1	17	24	9	1	0	4	1	18	11	2	5	4	0	0	0	0	0	17	0	4	0
September	9.8	S.	33	SW.	0	4	1	2	16	31	1	4	1	0	16	13	1	4	3	0	0	0	1	0	17	0	3	0
October	11.2	S.	44	SE.	1	11	7	3	7	15	9	4	6	0	18	8	5	6	6	4	3	0	0	0	2	4	1	0
November	13.4	SW.	44	N.	5	8	4	1	3	7	15	13	9	0	20	7	3	5	5	5	4	0	0	2	0	17	0	0
December	9.1	SW.	31	SW.	0	17	3	2	4	4	15	8	9	0	18	8	5	7	3	8	5	0	2	10	0	28	0	0
Year	11.8	S.	46	SW.	10	77	48	66	157	165	94	63	89	1	206	128	31	74	55	25	18	1	6	20	61	91	30	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

ANNISTON, ALA.

[ϕ=33° 39′ N.; λ=85° 50′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.479	29.708	29.188	43.7	50.1	58.9	38.9	48.9	75	10	38	....	83	....	0.260	.....	3.32	2.42	8.4	6.7	7.7
February	29.391	29.724	29.181	47.1	53.3	61.4	43.7	52.6	76	22	42	....	83	....	.301	.....	4.39	1.24	7.6	6.2	7.2
March	29.323	29.600	28.864	48.3	58.9	67.9	43.9	55.9	84	26	38	....	70	....	.256	.....	2.37	1.36	5.9	4.2	5.7
April	29.311	29.622	29.059	57.5	63.2	71.2	52.0	61.6	84	38	49	....	74	....	.372	.....	5.28	1.94	7.2	6.8	7.0
May	29.302	29.544	29.074	66.6	72.1	84.2	57.8	71.0	95	43	56	....	70	....	.477	.....	3.39	1.38	2.9	3.1	3.3
June	29.246	29.388	29.111	74.9	79.7	90.3	66.3	78.3	98	56	65	....	73	....	.632	.....	2.18	.79	4.5	6.2	5.2
July	29.310	29.467	29.197	72.8	75.8	86.5	65.4	76.0	96	54	66	....	81	....	.655	.....	6.10	1.11	6.5	7.6	7.4
August	29.247	29.400	29.085	73.2	76.3	87.3	67.9	77.6	94	60	68	....	84	....	.681	.....	3.24	.70	6.4	6.6	6.7
September	29.312	29.438	29.227	73.3	77.1	89.9	67.5	78.7	94	60	68	....	84	....	.692	.....	1.36	.72	4.2	5.1	5.1
October	29.287	29.561	29.035	62.0	66.6	78.3	56.8	67.6	94	36	56	....	83	....	.478	.....	2.16	1.43	5.5	4.3	5.6
November	29.374	29.734	29.104	42.3	47.4	59.6	37.7	48.6	75	22	34	....	75	....	.221	.....	5.04	2.29	6.6	5.4	6.0
December	29.379	29.710	29.093	43.5	49.7	58.4	39.9	49.2	73	20	37	....	80	....	.245	.....	5.39	1.39	6.0	6.2	6.6
Year	29.330	29.798	28.864	58.8	64.2	74.5	53.2	63.8	98	10	51	....	78	....	.439	.....	44.12	2.42	6.0	5.7	6.1

ASHEVILLE, N. C.

[ϕ=35° 36′ N.; λ=82° 32′ W.]

January	27.832	28.242	27.456	36.6	44.1	52.6	31.3	42.0	68	10	32	34	85	68	0.203	0.212	1.62	0.63	6.4	4.4	5.6
February	27.762	28.110	27.387	37.3	45.6	53.9	33.7	43.8	69	14	33	35	84	67	.200	.216	2.19	.73	5.3	4.4	5.4
March	27.705	28.063	27.123	39.0	46.9	55.8	35.3	45.6	83	14	34	32	83	60	.205	.199	3.03	.62	5.0	4.2	4.8
April	27.759	28.086	27.423	46.3	54.3	61.3	42.6	52.0	79	26	42	46	87	74	.264	.324	4.87	2.07	6.0	5.4	6.1
May	27.768	27.985	27.464	59.3	68.3	76.9	52.7	64.8	87	36	53	51	81	58	.419	.401	2.69	1.11	3.2	4.6	3.8
June	27.711	27.887	27.461	65.7	74.2	82.3	59.8	71.0	92	50	60	60	82	63	.521	.525	1.35	.36	4.5	5.6	5.2
July	27.779	27.957	27.582	65.9	72.2	81.5	60.9	71.2	89	48	61	62	83	70	.537	.556	2.49	.58	5.0	5.4	5.4
August	27.743	27.916	27.620	65.7	71.7	81.5	62.1	71.8	88	55	63	64	92	76	.561	.589	8.63	2.83	4.5	5.3	5.9
September	27.793	27.943	27.572	63.8	70.8	80.6	61.3	71.0	86	55	61	63	92	78	.543	.582	2.26	.71	5.1	3.8	5.4
October	27.752	28.046	27.479	52.4	59.5	69.3	49.1	59.2	85	35	49	52	89	77	.360	.403	3.83	2.15	5.7	4.0	5.2
November	27.746	28.169	27.403	36.8	42.0	52.6	31.0	41.8	70	13	31	32	80	69	.189	.193	2.20	.62	6.0	4.6	4.8
December	27.799	28.064	27.441	38.0	43.8	52.4	33.6	43.0	64	16	32	34	80	69	.201	.208	2.60	.75	5.9	5.9	6.3
Year	27.762	28.242	27.123	50.6	57.8	66.7	46.1	56.4	92	10	46	47	85	69	.354	.367	37.76	2.83	5.2	4.8	5.3

ATLANTA, GA.

[ϕ=33° 45′ N.; λ=84° 23′ W.]

January	28.998	29.387	28.669	42.3	50.8	56.3	39.2	47.8	73	12	36	42	80	72	0.236	0.262	2.09	1.42	6.8	4.6	6.2
February	28.915	29.283	28.575	44.9	52.5	59.2	42.1	50.6	72	20	40	42	82	71	.229	.233	3.40	.98	5.8	3.5	6.5
March	28.853	29.172	28.361	46.8	57.1	63.3	43.3	53.3	75	24	37	38	70	52	.237	.248	2.04	1.06	5.3	3.6	4.8
April	28.873	29.182	28.643	55.1	63.2	67.7	52.2	60.0	81	41	46	49	75	64	.340	.374	4.62	2.13	6.8	6.1	6.3
May	28.848	29.076	28.648	66.2	75.3	82.0	61.9	72.0	94	46	54	54	66	52	.442	.446	2.14	.72	3.3	4.5	4.1
June	28.795	28.952	28.558	73.9	82.2	89.4	68.8	79.1	98	63	63	63	70	54	.579	.580	1.09	.53	2.6	4.9	4.9
July	28.860	29.031	28.686	71.4	76.4	85.1	67.5	76.3	96	59	65	66	81	72	.626	.640	5.52	1.74	6.3	7.6	6.9
August	28.803	28.974	28.584	72.2	78.7	85.8	68.8	77.3	96	63	68	69	86	73	.674	.708	1.99	.82	5.5	5.8	6.2
September	28.864	29.006	28.696	71.7	79.6	87.0	69.5	78.2	91	64	67	67	84	67	.654	.668	1.41	.54	4.8	3.6	5.3
October	28.837	29.117	28.594	60.9	67.7	74.5	57.1	65.8	94	39	56	57	84	72	.484	.476	4.81	1.82	5.4	2.9	5.5
November	28.894	29.293	28.560	43.2	48.5	53.3	38.7	47.0	73	21	36	40	78	74	.242	.267	3.56	1.64	6.3	5.5	6.2
December	28.926	29.207	28.545	43.2	48.6	54.9	39.4	47.2	69	25	36	41	77	77	.234	.274	4.27	1.48	6.4	5.1	6.5
Year	28.872	29.387	28.361	57.6	65.0	71.7	54.0	62.9	98	12	50	52	78	67	.416	.438	36.94	2.13	5.5	4.8	5.8

ATLANTIC CITY, N. J.

[ϕ=39° 22′ N.; λ=74° 25′ W.]

January	30.132	30.695	29.333	34.2	36.6	43.0	29.5	36.2	55	17	29	30	82	76	0.172	0.176	4.01	1.07	6.5	5.7	6.3
February	30.082	30.602	29.630	32.6	35.2	41.5	28.7	35.1	57	18	27	27	78	71	.152	.147	2.24	.73	7.0	5.0	6.4
March	29.993	30.589	29.122	35.2	38.9	45.4	31.2	38.3	58	17	29	31	77	73	.166	.179	3.24	.76	5.9	3.5	5.6
April	30.097	30.584	29.372	45.3	45.0	51.8	40.0	45.9	70	29	38	39	76	80	.239	.243	4.57	1.40	5.2	5.8	6.0
May	30.001	30.336	29.536	58.7	57.8	65.8	53.1	59.4	84	38	52	52	80	83	.404	.401	.50	.25	5.3	4.9	4.2
June	29.887	30.141	29.590	67.6	67.2	75.4	61.9	68.6	91	53	60	61	78	82	.522	.541	2.96	.87	5.4	6.5	5.7
July	29.970	30.176	29.640	74.3	73.6	80.5	68.7	74.6	96	62	67	67	79	81	.666	.671	4.15	1.67	4.4	5.6	4.8
August	29.978	30.131	29.692	72.8	73.0	79.3	68.0	73.6	92	56	67	67	84	82	.678	.670	7.32	2.93	5.3	5.2	5.0
September	30.013	30.290	29.661	66.4	68.2	74.1	61.8	68.0	88	46	62	62	85	82	.567	.576	3.02	1.19	5.5	3.1	5.5
October	30.032	30.442	29.633	54.9	58.2	64.0	50.5	57.2	73	41	50	51	83	78	.368	.388	2.73	1.43	5.8	4.9	5.4
November	30.022	30.560	29.335	42.4	44.1	52.3	35.6	44.0	66	24	36	35	78	71	.231	.220	5.86	1.29	6.2	4.1	5.5
December	30.123	30.531	29.485	38.6	41.8	48.9	34.4	41.6	62	21	34	34	82	74	.205	.206	3.61	1.17	6.3	5.4	6.1
Year	30.028	30.695	29.122	51.9	53.3	60.2	47.0	53.5	96	17	46	46	80	78	.384	.388	44.21	2.93	5.7	5.0	5.5

Annual meteorological summary for the year ending December 31, 1911—Continued.

ANNISTON, ALA.

[H=741 ft.; h_t=9 ft.; h_r=3 ft.; h_a=57 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	32° or Minimum temperature below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	6.5	S.	24	SE.	0	14	2	1	17	13	7	3	3	2	4	5	22	10	7	2	0	0	0	1	0	7	0	0
February	6.5	N.	32	NW.	0	19	2	1	11	14	6	1	2	0	4	7	17	12	8	0	0	0	0	0	0	6	3	0
March	7.6	N.	33	SE.	0	20	1	0	12	11	7	4	5	2	9	9	13	7	6	0	0	0	2	0	0	3	3	0
April	8.0	SE.	32	W.	0	15	3	1	24	11	3	1	2	0	6	7	17	14	9	0	0	1	0	0	0	0	6	0
May	4.8	SE.	24	SW.	0	10	11	5	14	6	7	2	3	4	26	3	8	6	5	0	0	0	0	0	10	0	5	0
June	4.4	N.	32	W.	0	10	5	2	12	12	7	4	5	3	14	5	11	9	7	0	0	0	0	0	15	0	13	0
July	3.8	S.	25	E.	0	9	2	3	8	21	6	2	6	5	4	8	19	17	15	0	0	0	0	0	6	0	16	0
August	4.2	SE.	26	NE.	0	8	3	8	18	11	0	4	8	2	2	17	12	16	13	0	0	0	0	0	9	0	14	0
September	3.6	SE.	21	NW.	0	4	6	7	11	17	4	5	1	5	8	15	7	5	5	0	0	0	1	0	16	0	8	0
October	4.7	SE.	23	W.	0	10	4	7	13	9	4	3	10	2	12	7	12	8	6	0	0	0	1	0	8	0	2	0
November	7.1	NW.	31	NW.	0	7	3	7	16	3	2	3	16	3	9	6	15	11	8	1	0	0	1	0	0	10	2	0
December	7.4	SE.	40	E.	1	4	4	10	20	5	2	5	10	2	8	4	19	12	10	0	0	0	1	0	0	9	0	0
Year	5.7	SE.	40	E.	1	130	46	52	176	133	55	37	71	30	100	93	172	127	99	3	0	1	6	1	64	35	72	0

ASHEVILLE, N. C.

[H=2,255 ft.; h_t=70 ft.; h_r=61 ft.; h_a=84 ft.]

January	9.1	NW.	35	NW.	0	4	0	2	15	9	2	2	28	0	9	14	8	12	6	3	1	0	4	1	0	18	0	0
February	10.3	NW.	32	SE.	0	13	1	3	12	4	0	1	22	0	8	10	10	8	8	3	1	0	4	1	0	10	1	0
March	11.8	NW.	40	NW.	1	9	0	1	21	3	1	0	27	0	15	5	11	14	11	4	2	1	1	0	0	10	3	0
April	10.4	SE.	36	NW.	0	5	0	5	14	17	0	0	19	0	11	3	16	13	10	0	0	0	1	0	0	1	4	0
May	6.4	SE.	33	E.	0	8	3	6	17	12	4	2	10	0	16	10	5	10	5	0	0	0	1	0	0	0	7	0
June	5.2	NW.	27	E.	0	10	0	2	8	15	1	3	21	0	11	10	9	10	8	0	0	0	0	0	0	1	13	0
July	5.5	NW.	37	E.	0	14	0	9	9	13	2	1	14	0	7	16	8	9	8	0	0	1	0	0	0	0	12	0
August	5.8	NW.	38	N.	0	5	3	3	15	16	4	1	14	1	8	13	10	18	15	0	0	2	7	0	0	0	14	0
September	5.3	NW.	30	NW.	0	10	2	6	15	9	1	1	16	0	6	18	6	15	8	0	0	0	6	0	0	0	9	0
October	7.0	SE.	27	N.	0	8	1	6	18	8	2	2	15	2	10	12	9	9	6	0	0	0	0	0	0	0	0	0
November	10.9	NW.	38	N.	0	9	0	1	15	11	2	1	21	0	12	8	10	10	6	4	0	0	1	1	0	18	0	0
December	9.2	SE.	33	SE.	0	9	1	2	25	6	0	2	15	2	10	4	17	15	11	3	0	0	2	1	0	14	0	0
Year	8.1	NW.	40	NW.	1	104	11	46	184	123	19	16	222	5	123	123	119	143	102	17	4	4	27	4	1	71	63	0

ATLANTA, GA.

[H=1,174 ft.; h_t=190 ft.; h_r=182 ft.; h_a=216 ft.]

January	12.1	SW.	38	W.	0	0	7	10	8	8	10	11	8	0	7	8	16	10	5	2	1	0	5	1	0	4	0	0
February	12.4	W.	39	W.	0	0	2	7	6	4	6	19	11	1	8	3	17	10	8	1	0	0	7	0	0	5	1	0
March	14.0	W.	54	SW.	5	0	7	11	5	4	9	16	9	1	14	8	9	8	6	0	0	1	4	0	0	1	1	0
April	12.7	E.	36	SW.	0	0	7	16	11	4	3	13	6	0	13	3	14	11	9	0	0	0	0	0	0	0	4	0
May	9.5	NE.	34	SW.	0	3	15	10	7	2	3	12	10	0	17	7	7	10	8	0	0	0	0	0	4	0	8	0
June	8.7	W.	30	W.	0	1	6	7	8	4	10	17	7	0	12	8	10	6	4	0	0	0	0	0	14	0	5	0
July	8.0	SW.	36	SW.	0	1	6	10	11	2	10	15	6	1	4	8	19	15	13	0	0	0	0	0	3	0	15	0
August	8.3	E.	29	SE.	0	5	7	11	13	2	6	11	6	1	9	10	12	11	8	0	0	0	0	0	7	0	10	0
September	8.1	NE.	36	NW.	0	2	10	13	7	0	13	12	2	1	11	11	8	10	8	0	0	0	1	0	8	0	9	0
October	9.9	NE.	33	W.	0	5	18	11	6	1	7	11	3	0	10	11	10	8	7	0	0	0	2	0	1	0	1	0
November	13.9	W.	48	W.	2	0	11	14	3	1	7	19	5	0	11	3	16	11	7	0	0	0	4	0	0	8	1	0
December	11.6	E.	39	W.	0	3	16	20	2	0	4	17	0	0	10	1	20	13	10	0	0	0	4	0	0	7	0	0
Year	10.8	W.	54	SW.	7	20	112	140	87	32	88	173	73	5	126	81	158	123	93	3	1	1	27	1	37	25	55	0

ATLANTIC CITY, N. J.

[H=52 ft.; h_t=37 ft.; h_r=33 ft.; h_a=48 ft.]

January	8.4	SW.	30	S.	0	7	2	1	4	3	17	10	17	1	11	5	15	16	13	4	2	0	2	3	0	18	0	0
February	8.8	NW.	26	NE.	0	9	7	5	0	2	5	13	15	0	6	8	14	11	10	7	3	0	0	1	0	18	0	0
March	10.9	NW.	28	NW.	0	2	6	4	2	8	11	13	16	0	11	5	15	12	8	7	3	2	1	1	0	16	4	0
April	9.5	SW.	32	NE.	0	9	8	3	7	6	15	4	8	0	11	5	14	11	10	1	1	0	1	0	0	2	0	0
May	7.4	S.	26	NE.	0	2	16	3	7	11	13	3	7	0	15	10	6	5	3	0	0	0	5	0	0	0	3	0
June	7.7	NE.	25	W.	0	2	13	6	8	6	8	6	11	0	7	16	7	11	8	0	0	0	1	0	1	0	8	0
July	6.9	SW.	29	S.	0	4	6	2	4	7	26	8	5	0	14	6	11	8	8	0	0	0	0	0	1	0	8	0
August	7.6	S.	29	N.	0	4	9	8	7	14	11	3	6	0	12	11	8	12	8	0	0	0	1	0	1	0	9	0
September	7.3	N.	30	S.	0	16	5	8	2	5	11	5	8	0	9	9	12	10	7	0	0	0	0	0	0	0	1	0
October	7.9	N.	29	S.	0	18	7	2	2	12	5	7	9	0	12	8	11	12	11	0	0	0	2	0	0	0	0	0
November	9.1	NW.	38	S.	0	5	3	2	2	6	6	14	22	0	9	11	10	13	10	0	0	0	0	0	0	14	1	0
December	7.3	NW.	30	NW.	0	8	4	4	1	6	9	15	15	0	10	4	17	10	9	3	2	0	1	0	0	10	0	0
Year	8.2	NW.	38	S.	0	86	86	48	46	86	137	101	139	1	127	98	140	131	105	22	11	2	14	5	3	78	34	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

AUGUSTA, GA.

[ϕ=33° 28′ N.; λ=81° 54′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.068	30.505	29.687	43.3	52.8	61.5	40.2	50.8	76	21	39	41	86	67	0.257	0.282	1.51	1.26	6.8	3.7	5.2
February	29.965	30.367	29.613	45.9	55.8	63.5	43.5	53.5	78	27	42	44	86	69	.281	.312	1.24	1.05	6.0	4.0	5.3
March	29.903	30.300	29.398	49.2	60.9	68.7	45.7	57.2	85	34	41	40	74	51	.276	.273	2.13	1.86	5.8	4.4	4.9
April	29.923	30.291	29.627	57.8	66.7	73.5	54.2	63.8	87	43	51	52	79	62	.386	.401	2.31	.73	6.3	5.3	5.6
May	29.864	30.103	29.643	67.4	77.1	85.0	62.4	73.7	97	46	59	57	75	53	.519	.489	.79	.31	3.7	3.5	3.4
June	29.784	29.967	29.558	76.2	81.9	92.4	70.9	81.6	99	64	67	65	74	59	.669	.621	6.29	2.97	4.8	6.6	5.1
July	29.866	30.061	29.659	74.8	80.0	88.6	70.8	79.7	94	62	69	68	82	69	.711	.692	5.27	2.38	6.3	6.7	6.5
August	29.808	30.007	29.475	75.3	79.6	89.1	71.6	80.4	96	65	70	69	86	72	.748	.721	4.27	1.40	5.2	6.9	6.0
September	29.872	30.048	29.674	74.4	79.3	89.3	71.4	80.4	94	69	70	71	88	75	.741	.748	1.50	.61	5.1	4.6	5.1
October	29.985	30.153	29.586	63.3	68.8	77.3	60.5	68.9	93	47	58	60	85	76	.512	.534	7.46	2.70	7.2	4.8	5.8
November	29.948	30.409	29.557	47.1	52.6	61.8	41.8	51.7	78	27	42	41	80	65	.293	.281	3.95	1.58	6.2	4.9	5.6
December	30.000	30.360	29.648	43.6	51.9	60.0	40.8	50.4	74	27	40	43	86	73	.267	.295	6.34	2.41	6.7	5.6	6.2
Year	29.906	30.505	29.398	59.9	67.3	75.9	56.2	66.0	99	21	54	54	82	66	.472	.471	43.06	2.97	5.8	5.1	5.4

BAKER, OREG.

[ϕ=44° 46′ N.; λ=117° 50′ W.]

January																					
February																					
March	26.514	26.850	26.164	31.5	49.9	52.1	28.1	40.1	74	4	24	27	74	44	0.132	0.147	0.11	0.04	1.9	2.9	2.6
April	26.418	26.869	26.047	33.2	51.7	54.7	30.0	42.4	72	15	23	24	67	36	.125	.129	.62	.22	4.0	4.4	4.2
May	26.385	26.762	26.025	39.3	55.5	59.0	35.9	47.4	81	27	32	34	76	48	.182	.197	1.47	.73	5.9	5.5	5.6
June	26.422	26.645	26.232	48.3	68.8	71.8	46.6	59.2	86	35	40	42	75	42	.256	.278	1.93	.80	4.8	5.2	4.9
July	26.496	26.667	26.274	52.1	80.6	83.3	50.3	66.8	96	37	36	39	56	24	.222	.247	.01	.01	1.2	2.4	2.2
August	26.462	26.580	26.282	49.3	76.5	79.2	46.9	63.0	91	41	35	37	58	26	.202	.224	.12	.09	1.2	1.6	1.9
September	26.443	26.671	26.131	42.9	63.7	66.9	39.2	53.0	87	29	34	34	70	36	.199	.202	.31	.16	3.1	4.0	3.7
October	26.528	26.864	26.086	36.4	51.7	56.8	32.6	44.7	76	22	29	31	74	48	.162	.178	1.45	.85	2.8	3.1	3.2
November	26.558	26.946	25.931	28.5	35.9	40.8	24.3	32.6	55	− 2	22	25	76	66	.121	.142	1.45	.75	4.3	6.0	5.7
December	26.506	26.868	26.009	22.8	29.8	34.8	18.3	26.6	51	2	18	21	80	70	.097	.112	.83	.16	5.3	5.7	6.5
Year																					

BALTIMORE, MD.

[ϕ=39° 17′ N.; λ=76° 37′ W.]

January	30.065	30.629	29.366	35.2	39.1	46.2	30.7	38.4	62	20	28	31	75	73	0.165	0.184	3.48	0.72	6.1	4.1	5.9
February	30.024	30.521	29.625	32.9	37.9	43.2	30.0	36.6	64	20	26	28	74	68	.141	.155	2.31	.60	6.7	4.6	5.8
March	29.933	30.513	29.095	35.9	42.7	49.4	32.2	40.8	74	14	26	28	66	56	.146	.159	2.45	.78	4.9	3.2	4.5
April	30.024	30.482	29.405	47.1	53.0	59.2	42.8	51.0	74	27	37	39	69	62	.232	.258	2.69	.76	7.6	5.4	5.5
May	29.918	30.258	29.398	65.9	72.6	80.0	58.9	69.4	95	41	55	56	69	57	.450	.479	3.45	2.05	4.4	4.6	3.6
June	29.826	30.068	29.551	70.4	74.8	82.3	64.5	73.4	99	57	61	62	73	65	.536	.561	5.52	2.87	4.9	5.3	4.8
July	29.894	30.105	29.571	76.1	80.4	88.1	70.3	79.2	98	61	65	67	69	65	.624	.667	3.53	2.06	4.2	4.9	3.9
August	29.900	30.075	29.648	72.9	76.4	84.0	68.5	76.2	98	58	66	67	80	74	.655	.671	12.28	3.12	6.5	5.8	5.4
September	29.945	30.237	29.600	67.0	71.2	78.3	62.6	70.4	89	49	61	63	80	76	.547	.590	1.60	.79	6.9	2.1	5.3
October	29.972	30.395	29.596	54.4	58.9	65.7	50.9	58.3	78	41	47	51	78	75	.339	.381	3.31	1.92	7.0	5.0	6.2
November	29.964	30.537	29.265	41.0	44.1	51.2	36.3	43.8	71	22	32	33	71	66	.198	.203	4.28	1.35	6.8	4.0	5.5
December	30.067	30.473	29.400	38.3	41.9	47.7	35.3	41.5	61	26	32	33	79	72	.191	.200	3.68	.97	6.1	4.3	6.2
Year	29.961	30.629	29.095	53.1	57.8	64.6	48.6	56.6	99	14	45	46	74	67	.352	.376	48.58	3.12	6.0	4.4	5.3

BENTONVILLE, ARK.

[ϕ=36° 22′ N.; λ=94° 12′ W.]

January	28.756	29.132	28.310	38.2	.....	51.8	31.5	41.6	75	− 6	32	....	77	....	0.213	.....	0.62	0.44	7.0	.....	5.7
February	28.736	29.258	28.328	36.6	.....	53.9	33.4	43.6	84	12	31	....	80	....	.188	.....	3.06	1.74	4.9	.....	4.6
March	28.688	29.007	28.335	43.5	.....	64.4	39.8	52.1	87	22	34	....	71	....	.218	.....	1.77	.77	4.9	.....	3.7
April	28.626	29.066	28.170	50.5	.....	67.2	45.5	56.4	80	35	42	....	75	....	.292	.....	7.44	1.82	5.4	.....	5.3
May	28.666	28.985	28.285	61.4	.....	80.0	56.0	68.0	92	35	53	....	76	....	.430	.....	.87	.48	3.6	.....	3.4
June	28.597	28.748	28.433	72.8	.....	91.6	66.4	79.0	99	50	63	....	72	....	.578	.....	1.71	1.12	2.7	.....	2.7
July	28.665	28.927	28.371	70.5	.....	87.2	66.0	76.6	100	51	66	....	85	....	.633	.....	7.44	2.24	4.8	.....	4.9
August	28.622	28.787	28.510	68.2	.....	84.0	65.3	74.6	96	49	66	....	92	....	.639	.....	3.29	1.00	5.1	.....	4.2
September	28.675	28.868	28.544	67.8	.....	86.1	65.5	75.8	95	53	65	....	92	....	.629	.....	5.90	1.72	2.4	.....	2.6
October	28.687	28.916	28.457	52.0	.....	68.5	49.4	59.0	89	30	48	....	87	....	.363	.....	1.98	.87	5.9	.....	5.2
November	28.705	29.336	28.296	35.7	.....	54.4	30.6	42.5	80	10	29	....	75	....	.179	.....	2.30	.77	4.8	.....	4.3
December	28.698	29.030	28.245	33.2	.....	47.9	29.3	38.6	62	5	28	....	81	....	.164	.....	3.34	1.32	5.5	.....	5.5
Year	28.677	29.336	28.170	52.5	.....	69.8	48.2	59.0	100	− 6	46	....	80	....	.377	.....	39.72	2.24	4.8	.....	4.3

Annual meteorological summary for the year ending December 31, 1911—Continued.

AUGUSTA, GA.

[H=180 ft.; h_1=89 ft.; h_r=54 ft.; h_a=97 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	6.3	W.	30	W.	0	10	11	2	5	5	10	10	7	2	9	14	8	6	5	0	0	0	4	0	0	5	0	0
February	5.7	NW.	28	NW.	0	2	7	4	5	7	3	13	10	5	10	8	10	6	4	0	0	0	5	0	0	3	0	0
March	8.0	W.	38	NW.	0	3	11	4	9	6	9	9	9	2	11	11	9	7	6	0	0	0	2	0	0	0	1	0
April	7.6	E.	28	S.	0	5	13	10	10	8	5	4	4	1	10	7	13	11	8	0	0	0	1	0	0	0	1	0
May	6.5	SE.	25	NE.	0	5	10	8	19	5	2	2	10	1	18	10	3	5	5	0	0	0	0	0	9	0	3	0
June	5.7	NW.	34	NW.	0	2	4	3	11	10	11	7	12	0	8	16	6	9	7	0	0	0	0	0	25	0	12	0
July	5.1	SW.	27	NW.	0	2	3	4	12	10	13	9	7	2	3	18	10	13	11	0	0	0	0	0	14	0	11	0
August	6.1	SE.	35	NE.	0	5	14	5	17	10	4	3	4	0	5	17	9	13	10	0	0	0	1	0	18	0	16	0
September	4.2	NE.	23	SW.	0	0	15	7	6	14	6	2	5	5	7	19	4	9	6	0	0	0	1	0	16	0	5	0
October	5.3	NE.	19	W.	0	8	19	6	10	2	5	1	8	3	8	11	12	8	7	0	0	0	0	0	3	0	3	0
November	6.7	W.	36	NW.	0	3	18	8	1	1	5	14	9	1	12	4	14	9	7	0	0	0	1	0	0	5	0	0
December	5.9	NE.	35	W.	0	6	16	5	5	1	5	5	19	0	9	4	18	12	10	0	0	0	1	0	0	8	1	0
Year	6.1	NE.	38	NW.	0	51	141	66	110	79	78	79	104	22	110	139	116	108	86	0	0	0	16	0	85	21	53	0

BAKER, OREG.

[H=3,471 ft.; h_1=48 ft.; h_r=40 ft.; h_a=53 ft.]

January																												
February																												
March	7.7	SE.	28	N.	0	7	1	3	29	12	1	5	4	0	20	7	4	4	1	5	1	0	0	0	0	23	0	0
April	7.2	SE.	29	NW.	0	10	0	2	22	8	3	5	10	0	12	12	6	10	6	7	6	0	0	0	0	18	1	0
May	6.9	SE.	27	SW.	0	9	4	1	18	9	2	4	15	0	5	17	9	13	8	5	1	0	0	0	0	6	0	0
June	5.7	NW.	19	W.	0	9	3	2	21	11	1	2	11	0	9	14	7	13	10	0	0	0	1	0	0	0	9	0
July	6.3	NW.	25	SW.	0	10	2	0	18	13	0	1	18	0	20	11	0	1	0	0	0	0	1	0	0	8	0	2
August	6.3	NW.	27	NW.	0	13	1	1	20	10	0	1	16	0	22	9	0	2	1	0	0	0	1	0	0	2	0	3
September	5.6	S.	24	SW.	0	8	0	1	23	7	4	5	12	0	18	8	4	4	3	0	0	0	0	0	0	7	3	0
October	6.3	S.	26	SE.	0	8	3	2	16	17	2	4	10	0	19	7	5	6	6	1	0	0	0	0	0	15	1	0
November	5.6	S.	18	SE.	0	4	1	3	17	27	1	4	3	0	10	4	16	14	7	10	10	0	1	4	0	27	0	0
December	5.6	SE.	24	SE.	0	4	3	1	27	18	2	3	4	0	4	15	12	13	7	17	13	0	0	12	0	31	0	0
Year																												

BALTIMORE, MD.

H=123 ft.; h_1=100 ft.; h_r=90 ft.; h_a=113 ft.]

January	6.4	SW.	32	W.	0	6	9	4	5	11	16	3	8	0	10	6	15	16	12	5	3	1	2	3	0	17	0	0
February	7.7	SW.	25	SW.	0	9	9	7	1	6	16	2	6	0	8	8	12	11	9	6	6	0	1	1	0	18	0	0
March	9.6	SW.	32	NW.	0	8	5	1	5	12	17	2	12	0	12	14	5	14	12	11	5	0	1	1	0	14	2	0
April	7.9	S.	25	N.	0	10	8	8	4	16	4	2	8	0	8	12	10	13	10	3	1	0	1	0	0	3	0	0
May	6.5	S.	33	SW.	0	4	12	7	7	11	10	2	7	2	15	11	5	7	6	0	0	0	0	0	5	0	4	0
June	6.6	SW.	35	NW.	0	5	16	6	2	6	11	3	11	0	11	9	10	16	12	0	0	0	1	0	5	0	10	0
July	6.0	S.	27	N.	0	16	6	4	2	18	13	1	2	0	16	11	4	6	6	0	0	0	1	0	11	0	9	0
August	6.5	S.	27	NW.	0	10	11	8	7	15	8	1	2	0	9	10	12	15	14	0	0	0	1	0	5	0	13	0
September	6.0	N.	23	NW.	0	16	10	6	3	13	5	1	3	3	7	15	8	7	5	0	0	0	0	0	0	0	2	0
October	6.4	N.	23	N.	0	21	10	2	2	9	8	0	8	2	7	11	13	12	10	0	0	0	0	0	0	0	0	0
November	7.0	SW.	28	W.	0	5	5	3	1	12	18	4	12	0	8	13	9	11	9	4	0	0	1	1	0	7	0	0
December	5.7	SW.	28	N.	0	8	11	4	3	8	12	7	5	4	9	4	18	13	10	4	1	0	7	0	0	7	0	0
Year	6.9	SW.	35	NW.	0	118	112	60	42	137	138	28	84	11	120	124	121	141	115	33	16	2	15	6	26	66	40	0

BENTONVILLE, ARK.

[H=1,303 ft.; h_1=11 ft.; h_r=3 ft.; h_a=44 ft.]

January	8.0	S.	28	S.	0	1	4	4	2	13	2	2	3	0	11	9	11	8	2	2	0	0	0	2	0	17	0	0
February	7.7	S.	28	S.	0	4	5	2	5	5	0	2	5	0	11	11	6	10	8	4	4	0	0	2	0	12	0	1
March	8.0	S.	34	S.	0	3	4	2	4	5	7	2	4	0	18	8	5	7	7	0	0	0	0	1	0	8	2	0
April	7.0	S.	28	S.	0	2	6	4	5	10	1	1	1	0	12	6	12	13	13	0	0	0	1	0	0	0	10	0
May	5.4	S.	22	S.	0	2	2	1	12	10	1	2	1	0	20	8	3	4	4	0	0	0	0	0	2	0	7	0
June	5.4	S.	23	S.	0	2	2	4	12	7	0	1	2	0	23	6	1	6	6	0	0	0	0	0	20	0	9	0
July	4.4	S.	20	S.	0	1	1	4	10	10	3	0	1	1	13	9	9	13	12	0	0	0	0	0	12	0	12	0
August	3.8	NE.	16	E.	0	6	6	2	8	7	0	0	1	1	16	6	9	9	7	0	0	0	0	0	10	0	7	0
September	4.4	S.	16	S.	0	1	3	5	4	15	2	0	0	0	23	3	4	7	7	0	0	0	0	0	8	0	7	0
October	4.9	S.	24	SW.	0	6	4	2	6	9	0	3	1	0	13	8	10	8	4	0	0	0	0	0	0	1	4	0
November	6.4	S.	38	S.	0	2	1	2	5	10	1	4	5	0	16	6	8	10	7	4	4	1	0	3	0	16	2	0
December	4.3	S.	20	SW.	0	3	4	2	8	4	4	5	1	0	11	6	14	16	10	5	4	2	0	2	0	22	1	0
Year	5.8	S.	38	S.	0	33	42	34	81	105	21	22	25	2	187	86	92	111	87	15	12	4	0	10	52	76	61	1

Annual meteorological summary for the year ending December 31, 1911—Continued.

BINGHAMTON, N. Y.

[ϕ=42° 8′ N.; λ=75° 55′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.179	29.687	28.423	26.8	.....	36.5	20.4	28.4	53	0	22	....	83	....	0.128	.....	2.35	0.98	8.7	.....	7.5
February	29.126	29.640	28.647	23.6	.....	32.9	16.4	24.6	50	2	19	....	83	....	.108	.....	2.12	.64	8.8	.....	8.0
March	29.045	29.638	28.268	25.3	.....	38.5	19.7	29.1	62	−2	20	....	81	....	.112	.....	1.81	.61	8.7	.....	6.9
April	29.199	29.663	28.744	38.8	.....	54.1	33.4	43.8	79	17	30	....	71	....	.176	.....	1.70	.42	8.2	.....	6.3
May	29.129	29.519	28.729	58.4	.....	76.2	51.0	63.6	94	27	49	....	72	....	.378	.....	1.94	.69	4.9	.....	5.4
June	29.025	29.317	28.766	61.9	.....	74.9	54.7	64.8	91	44	54	....	77	....	.431	.....	3.05	.91	6.8	.....	7.4
July	29.099	29.366	28.696	67.9	.....	84.3	60.3	72.3	98	49	61	....	80	....	.548	.....	2.66	1.00	4.6	.....	5.9
August	29.111	29.359	28.898	64.1	.....	78.0	58.5	68.2	92	42	58	....	82	....	.494	.....	2.32	.82	6.3	.....	7.3
September	29.140	29.484	28.766	55.2	.....	71.0	49.4	60.2	85	31	52	....	88	....	.397	.....	2.35	.81	6.5	.....	5.8
October	29.162	29.584	28.859	44.1	.....	57.6	40.6	49.1	75	25	40	....	88	....	.265	.....	3.37	.77	6.7	.....	7.6
November	29.055	29.565	28.368	34.0	.....	43.2	28.4	35.8	66	19	28	....	77	....	.156	.....	1.07	.33	8.1	.....	8.5
December	29.189	29.609	28.511	31.8	.....	41.4	28.3	34.8	63	11	27	....	81	....	.154	.....	2.36	.73	8.8	.....	7.8
Year	29.122	29.687	28.268	44.3	.....	57.4	38.4	47.9	98	−2	38	....	80	....	.279	.....	27.10	1.00	6.9	.....	7.0

BIRMINGHAM, ALA.

[ϕ=33° 32′ N.; λ=86° 50′ W.]

January	29.496	29.784	29.105	45.5	51.7	58.6	42.1	50.4	76	8	40	42	83	72	0.287	0.298	5.26	4.26	7.8	5.5	7.1
February	29.408	29.784	28.961	47.6	54.8	61.1	45.1	53.1	76	21	43	44	85	68	.312	.324	3.71	1.11	5.4	5.3	6.8
March	29.347	29.643	28.933	50.0	60.7	68.4	46.9	57.6	85	27	40	41	69	50	.271	.280	1.18	.62	5.0	3.6	4.4
April	29.324	29.627	29.009	57.2	64.6	72.0	53.6	62.8	85	40	49	50	77	61	.376	.374	4.44	1.05	7.0	5.6	6.6
May	29.318	29.571	29.095	67.5	75.2	83.7	60.5	72.1	94	45	56	56	69	53	.480	.464	3.39	1.90	2.0	2.5	3.2
June	29.264	29.414	29.071	74.8	79.4	89.9	68.2	79.0	97	61	65	64	75	63	.632	.607	5.03	1.78	3.9	6.1	4.9
July	29.329	29.485	29.175	72.6	77.5	85.6	67.4	76.5	95	58	66	66	82	69	.653	.641	7.14	1.75	6.0	6.8	6.8
August	29.267	29.402	29.093	72.9	77.6	86.8	69.0	77.9	94	65	68	68	85	74	.685	.695	2.10	.62	5.6	5.7	5.9
September	29.322	29.451	29.173	73.7	80.3	90.7	70.1	80.4	96	60	68	68	84	68	.698	.699	2.05	1.55	2.4	2.8	3.9
October	29.301	29.568	29.079	61.5	69.2	77.7	58.3	68.0	93	37	57	57	85	67	.479	.485	6.07	4.65	5.0	3.2	4.6
November	29.392	29.747	28.951	42.9	50.9	59.8	39.9	49.8	78	22	35	38	74	63	.226	.260	6.43	2.77	5.7	3.7	4.7
December	29.397	29.760	29.034	45.0	51.0	58.1	41.5	49.8	72	24	38	41	77	71	.255	.281	6.12	1.42	5.6	5.7	6.0
Year	29.347	29.784	28.933	59.3	66.1	74.4	55.2	64.8	97	8	52	53	79	65	.446	.451	52.92	4.65	5.1	4.7	5.4

BISMARCK, N. DAK.

[ϕ=46° 47′ N.; λ=100° 38′ W.]

January	28.250	28.843	27.618	−2.2	4.8	15.2	−9.4	2.9	37	−28	−4	2	93	87	0.037	0.054	1.50	0.59	4.2	5.2	5.0
February	28.382	29.069	27.791	1.9	13.1	20.1	−3.2	8.4	39	−16	0	10	93	88	.044	.070	.42	.45	4.4	4.5	4.0
March	28.199	28.841	27.717	25.7	37.7	45.3	20.1	32.7	73	− 5	20	25	79	62	.111	.140	.31	.11	3.7	3.7	3.9
April	28.211	28.643	27.853	33.7	50.1	54.8	30.9	42.8	87	15	28	32	78	55	.154	.193	1.18	.43	4.4	4.7	4.5
May	28.137	28.553	27.599	47.0	65.3	71.1	42.5	56.8	92	18	40	44	77	49	.259	.305	1.18	.57	4.5	4.4	4.5
June	28.142	28.467	27.817	60.7	75.8	81.1	56.9	69.0	98	42	55	54	82	57	.438	.487	2.73	1.04	4.8	4.9	4.7
July	28.222	28.598	27.739	58.1	77.0	81.7	52.4	67.0	99	42	48	50	70	41	.341	.373	1.13	.75	3.0	3.5	3.6
August	28.252	28.593	27.813	54.8	71.0	75.7	51.5	63.6	91	32	51	57	87	63	.383	.486	2.72	.81	5.7	4.6	5.0
September	28.243	28.510	27.983	48.2	61.4	68.1	44.9	56.5	88	34	44	47	86	62	.293	.339	2.26	1.21	6.3	5.3	5.3
October	28.269	28.729	27.623	37.1	45.7	54.1	33.6	43.8	80	7	34	36	90	68	.210	.221	.71	.37	5.8	5.1	6.0
November	28.247	29.009	27.743	13.7	20.4	28.5	8.4	18.4	58	−11	12	15	91	80	.078	.092	.78	.48	4.7	4.3	5.7
December	28.241	28.643	27.516	13.5	17.9	24.6	8.9	16.8	50	−22	12	13	93	81	.082	.091	.30	.14	6.5	4.6	7.0
Year	28.235	29.069	27.516	32.7	45.0	51.7	28.1	39.9	99	−28	28	32	85	66	.202	.238	15.22	1.21	4.8	4.6	4.9

BLOCK ISLAND, R. I.

[ϕ=41° 10′ N.; λ=71° 36′ W.]

January	30.093	30.657	29.168	32.1	34.8	39.1	28.3	33.7	51	15	27	29	82	80	0.162	0.172	3.19	0.87	6.6	4.9	6.6
February	30.046	30.553	29.612	28.3	30.2	34.2	24.5	29.4	50	13	23	24	79	78	.125	.132	2.01	.65	6.6	4.1	6.0
March	29.948	30.611	29.127	32.4	34.6	39.3	29.3	34.3	48	17	28	30	82	84	.157	.173	3.16	1.06	4.5	3.4	4.9
April	30.093	30.678	29.416	40.4	41.6	47.7	36.8	42.2	69	26	36	37	84	84	.219	.226	4.50	2.08	4.4	2.6	4.7
May	30.006	30.348	29.522	53.8	53.1	61.8	48.8	55.3	72	38	50	50	88	90	.371	.369	1.08	.60	5.1	3.1	5.6
June	29.885	30.201	29.570	61.5	61.6	68.3	57.2	62.8	78	53	58	58	89	89	.489	.490	1.57	.65	3.6	4.5	5.6
July	29.966	30.233	29.593	70.5	69.3	76.9	64.7	70.8	92	60	67	67	90	91	.676	.659	2.95	1.63	4.1	4.5	4.8
August	29.993	30.249	29.581	67.4	67.5	73.3	63.4	68.4	84	56	64	65	91	92	.609	.622	9.79	3.62	4.8	5.1	5.6
September	30.028	30.382	29.581	61.9	63.2	67.7	58.3	63.0	78	46	59	60	90	89	.506	.526	2.03	.72	5.9	4.9	6.6
October	30.052	30.505	29.567	53.2	54.7	58.2	49.8	54.0	66	40	48	50	85	85	.351	.370	3.94	1.29	5.4	5.3	6.9
November	29.965	30.456	29.266	43.4	44.1	50.1	39.0	44.6	63	29	37	36	78	74	.238	.230	6.06	1.20	5.6	5.3	6.2
December	30.087	30.486	29.348	38.6	40.5	44.8	36.1	40.4	58	21	33	34	80	76	.202	.202	2.98	1.00	5.1	4.8	6.8
Year	30.014	30.678	29.127	48.6	49.6	55.1	44.7	49.9	92	13	44	45	85	84	.342	.348	43.26	3.62	5.1	4.3	5.9

Annual meteorological summary for the year ending December 31, 1911—Continued.

BINGHAMTON, N. Y.

[H=871 ft.; h_1=78 ft.; h_2=71 ft.; h_3=88 ft.]

Month.	Wind.					Number of winds, 8 a. m. and 8 p. m.									Number of days.													
	By self-register.																	Precipitation.		Snow.					Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	6.7	NW.	33	SW.	0	3	4	6	2	2	3	6	5	0	5	6	20	13	8	10	2	0	2	8	0	27	0	0
February	7.0	W.	25	S.	0	1	3	6	2	2	0	13	0	1	2	7	19	15	11	20	11	0	1	13	0	27	0	0
March	8.0	W.	31	NW.	0	4	8	4	1	2	1	6	4	1	4	10	17	15	12	17	9	0	0	7	0	27	2	0
April	6.7	W.	27	S.	0	3	6	3	4	1	3	7	3	0	6	10	14	11	9	7	3	0	0	2	0	15	0	0
May	5.0	E.	22	W.	0	5	2	7	2	4	1	4	4	2	11	8	12	10	7	1	0	0	0	0	4	4	6	0
June	4.8	W.	39	N.	0	4	3	6	2	1	1	9	4	0	2	11	17	12	8	0	0	1	0	0	1	0	9	0
July	4.6	W.	27	SW.	0	0	7	6	0	3	4	6	2	3	5	15	11	10	8	0	0	0	2	0	9	0	9	0
August	4.7	E.	22	SW.	0	3	3	11	2	3	0	4	5	0	5	7	19	9	8	0	0	0	3	0	1	0	4	0
September	5.2	NE.	27	S.	0	3	8	3	2	2	2	3	6	1	5	15	10	10	8	0	0	0	6	0	0	1	1	0
October	4.9	E.	24	SE.	0	3	6	11	2	0	1	6	2	0	4	7	20	13	11	0	0	0	6	0	0	7	0	0
November	8.3	NW.	38	S.	0	0	2	4	2	5	4	8	4	1	2	5	23	11	5	11	5	0	1	4	0	24	0	0
December	5.9	E.	32	SW.	0	1	7	8	0	0	1	8	6	0	4	6	21	15	13	9	6	0	0	6	0	20	0	0
Year	6.0	W.	39	N.	0	30	59	75	21	25	21	80	45	9	55	107	203	144	108	75	36	1	21	40	15	152	31	0

BIRMINGHAM, ALA.

[H=700 ft.; h_1=11 ft.; h_2=3 ft.; h_3=48 ft.]

January	7.7	S.	24	S.	0	6	3	5	9	13	12	3	10	1	4	9	18	11	5	1	1	0	1	2	0	5	0	0
February	7.7	S.	29	NW.	0	8	5	4	7	14	5	2	11	0	6	7	15	9	7	1	0	0	1	0	0	6	1	0
March	8.4	NW.	31	SE.	0	7	2	2	9	11	12	6	13	0	13	10	8	7	5	0	0	0	0	0	0	1	1	0
April	8.3	SE.	45	S.	1	11	5	5	17	12	2	3	5	0	6	11	13	13	12	0	0	0	0	0	0	0	4	0
May	5.7	NE.	26	SE.	0	14	12	7	8	10	3	5	3	0	20	6	5	6	5	0	0	0	0	0	0	7	4	0
June	5.5	S.	33	NW.	0	11	5	7	5	18	8	2	4	0	13	8	9	11	11	0	0	1	0	0	15	0	14	0
July	4.8	S.	22	SE.	0	9	8	10	8	12	9	1	4	1	5	9	17	13	12	0	0	0	0	0	4	0	14	0
August	5.3	N.	28	SE.	0	14	3	9	12	8	3	2	10	1	7	15	9	11	10	0	0	0	0	0	9	0	13	0
September	4.4	S.	24	W.	0	7	4	16	3	12	8	7	3	0	11	18	1	8	7	0	0	0	0	0	19	0	12	0
October	5.2	N.	22	SE.	0	20	10	7	5	6	7	2	5	0	11	15	5	6	6	0	0	0	0	0	7	0	2	0
November	8.4	SE.	33	NW.	0	9	7	7	12	4	7	4	10	0	12	10	8	11	6	1	0	0	0	0	0	8	1	0
December	8.7	SE.	48	E.	1	10	6	15	12	3	2	4	10	0	9	6	16	14	12	0	0	0	0	0	0	7	0	0
Year	6.7	N.	48	E.	2	126	70	94	107	123	78	41	88	3	117	124	124	120	98	3	1	1	2	2	61	27	66	0

BISMARCK, N. DAK.

[H=1,674 ft.; h_1=8 ft.; h_2=3 ft.; h_3=57 ft.]

January	9.6	NW.	60	NW.	3	2	10	10	6	3	1	7	23	0	11	10	10	8	6	12	8	0	0	24	0	31	0	0
February	8.8	NW.	36	W.	0	3	5	10	3	2	4	13	15	1	12	11	5	4	3	8	4	0	0	27	0	28	0	1
March	12.6	NW.	43	NW.	4	8	3	5	10	4	4	7	21	0	15	10	6	6	4	7	5	0	1	5	0	29	0	0
April	13.6	E.	43	SE.	3	5	5	16	11	2	1	9	11	0	13	8	9	7	6	8	5	1	1	4	0	16	2	2
May	13.7	NW.	46	NW.	3	5	9	10	12	1	3	8	16	0	13	12	6	10	8	0	0	0	1	0	1	5	8	0
June	11.3	NW.	58	N.	2	8	8	17	7	1	1	8	10	0	10	12	8	6	6	0	0	0	0	0	6	0	7	0
July	11.1	NW.	47	W.	3	9	1	7	6	3	3	7	26	0	17	8	6	5	3	0	0	0	0	0	5	0	3	0
August	9.0	NW.	46	N.	3	4	12	8	5	8	1	8	16	0	10	14	7	10	9	0	0	1	2	0	2	1	5	0
September	9.5	E.	38	W.	0	7	10	10	10	5	4	4	9	1	14	4	12	11	11	0	0	0	0	0	0	4	3	0
October	10.0	NW.	56	W.	1	2	4	11	7	3	4	15	15	1	8	9	14	12	5	5	3	0	5	2	0	12	1	0
November	10.7	NW.	43	NW.	2	0	2	11	3	3	8	10	23	0	11	6	13	10	4	15	10	0	2	15	0	30	0	0
December	9.2	W.	40	W.	1	3	6	10	8	6	0	14	15	0	5	10	16	7	3	13	7	0	0	18	0	31	0	0
Year	10.8	NW.	60	NW.	25	56	75	125	88	41	34	108	209	3	139	114	112	96	68	68	42	2	12	95	14	183	30	6

BLOCK ISLAND, R. I.

[H=26 ft.; h_1=11 ft.; h_2=3 ft.; h_3=46 ft.]

January	19.3	SW.	66	W.	9	4	3	1	6	9	11	13	15	0	9	5	17	16	14	3	3	0	7	6	0	20	0	0
February	21.4	NW.	52	SE.	12	4	13	2	3	1	8	12	13	0	11	5	12	10	8	7	6	0	0	11	0	25	1	0
March	21.6	SW.	70	NW.	16	6	3	3	5	8	11	13	13	0	15	8	8	13	10	5	4	1	3	5	0	29	1	0
April	18.5	SW.	61	NE.	7	9	3	5	4	8	9	11	11	0	17	9	13	8	8	3	3	1	3	0	0	4	0	0
May	14.6	SW.	41	W.	1	2	8	6	5	6	23	3	9	0	12	7	12	9	6	0	0	0	12	0	0	0	0	0
June	13.5	SW.	46	W.	1	4	9	7	8	2	11	13	6	0	13	6	11	11	6	0	0	0	9	0	0	0	4	0
July	14.5	SW.	46	N.	2	1	4	5	4	6	27	11	4	0	15	8	8	8	4	0	0	0	1	0	1	0	4	0
August	12.7	SW.	49	W.	2	0	13	9	4	4	16	8	8	0	13	5	13	10	10	0	0	0	3	0	0	0	5	0
September	15.6	SW.	48	NW.	1	7	8	7	8	6	13	2	8	1	6	8	16	10	7	0	0	0	4	0	0	0	1	0
October	16.3	SW.	49	NW.	4	6	11	3	5	7	13	3	13	1	6	9	16	12	12	0	0	0	2	0	0	0	1	0
November	22.7	NW.	62	NW.	13	2	5	3	2	5	8	19	15	1	4	11	15	15	11	0	0	0	0	0	0	7	1	0
December	18.4	W.	64	W.	8	4	5	5	1	3	11	15	18	0	8	4	10	9	8	3	2	0	3	0	0	10	0	0
Year	17.4	SW.	70	NW.	76	49	85	56	55	65	161	123	133	3	129	76	160	129	104	21	18	2	47	22	1	86	18	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

BOISE, IDAHO.

[ϕ=43° 37′ N.; λ=116° 8′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	27.194	27.739	26.496	29.9	36.9	40.9	26.1	33.5	53	6	23	25	76	62	0.122	0.137	2.32	0.70	7.1	8.3	7.9
February	27.233	27.643	26.676	28.3	34.7	37.5	22.4	30.0	50	14	21	21	81	56	.112	.112	.72	.19	6.5	6.0	6.3
March	27.261	27.619	26.937	36.3	53.9	55.7	33.8	44.8	75	18	27	28	70	38	.146	.150	.58	.28	2.4	3.4	3.3
April	27.140	27.619	26.706	40.2	54.9	58.2	36.5	47.4	74	22	28	26	64	38	.154	.146	1.59	.81	5.7	5.3	5.5
May	27.056	27.472	26.729	45.6	61.8	65.0	42.8	53.9	85	32	35	33	69	38	.205	.194	2.57	1.65	5.7	5.5	5.5
June	27.100	27.344	26.861	55.6	74.1	77.0	54.0	65.5	90	41	47	44	74	37	.327	.297	2.55	1.10	5.0	5.3	5.1
July	27.158	27.324	26.908	60.8	87.3	88.5	58.8	73.6	99	48	42	37	52	18	.276	.228	.05	.04	2.2	2.6	2.2
August	27.123	27.357	26.926	55.6	83.9	85.2	53.8	69.5	94	49	38	36	52	19	.229	.218	T.	T.	1.4	2.4	1.5
September	27.129	27.397	26.797	50.2	71.2	73.2	47.1	60.2	93	35	34	33	55	27	.196	.194	.04	.02	3.9	3.6	4.1
October	27.233	27.583	26.813	41.0	57.2	60.6	37.4	49.0	82	28	32	32	70	42	.181	.186	2.45	1.39	3.0	3.5	3.7
November	27.313	27.718	26.678	33.3	41.4	45.7	30.0	37.8	59	16	27	27	75	58	.148	.153	1.70	.42	4.6	5.7	5.7
December	27.258	27.641	26.761	27.3	33.9	38.0	24.3	31.2	50	11	23	25	82	69	.119	.132	.78	.23	6.5	6.0	7.2
Year	27.186	27.739	26.496	41.8	57.6	60.5	38.9	49.7	99	6	31	31	68	42	.185	.179	15.35	1.65	4.5	4.8	4.8

BOSTON, MASS.

[ϕ=42° 21′ N.; λ=71° 04′ W.]

January	29.970	30.505	28.987	30.0	32.9	39.6	24.0	31.8	60	4	22	23	72	69	0.138	0.146	2.28	0.89	6.4	5.6	6.8
February	29.943	30.413	29.443	24.5	28.0	34.4	19.5	27.0	56	4	17	18	72	66	.099	.104	2.85	.95	6.8	4.8	6.0
March	29.822	30.556	28.894	31.4	35.8	43.1	27.8	35.4	66	14	21	24	63	62	.121	.137	2.95	.83	5.4	5.2	4.9
April	29.987	30.578	29.493	43.4	46.4	54.2	38.0	46.1	80	23	30	32	61	59	.178	.186	2.28	1.23	4.3	4.2	4.8
May	29.895	30.289	29.378	60.4	62.0	72.1	52.8	62.4	92	33	50	50	71	67	.378	.380	.35	.17	5.4	4.8	5.5
June	29.790	30.103	29.429	64.9	65.7	73.2	57.9	65.6	86	50	56	57	75	74	.455	.466	3.67	1.68	5.7	6.0	6.5
July	29.847	30.144	29.467	75.2	77.6	86.0	68.2	77.1	104	57	63	64	66	65	.577	.606	4.65	3.49	4.2	5.8	5.6
August	29.897	30.194	29.446	67.5	71.7	76.3	61.7	69.0	92	55	60	61	77	79	.514	.546	4.17	1.17	5.3	5.9	5.7
September	29.925	30.300	29.477	60.5	63.0	69.9	55.2	62.6	85	41	53	55	78	76	.426	.448	2.95	1.12	6.6	3.8	5.7
October	29.962	30.428	29.412	49.5	53.9	59.3	46.0	52.6	73	34	42	45	78	74	.284	.314	2.27	.52	5.6	4.5	6.0
November	29.843	30.316	29.171	39.8	41.9	49.5	34.2	41.8	68	25	33	32	76	68	.204	.197	4.29	1.01	4.7	4.6	5.4
December	29.979	30.389	29.216	36.1	39.6	45.7	33.0	39.4	68	15	28	29	73	65	.168	.172	3.07	1.49	5.6	4.5	5.8
Year	29.905	30.578	29.171	48.6	51.5	58.6	43.2	50.9	104	4	40	41	72	69	.295	.308	35.78	3.49	5.5	4.8	5.7

BUFFALO, N. Y.

[ϕ=42° 53′ N.; λ=78° 53′ W.]

January	29.263	29.717	28.532	27.0	26.5	34.6	21.7	28.2	48	3	23	23	83	80	0.128	0.130	2.88	0.79	8.1	6.9	7.6
February	29.231	29.630	28.647	24.7	27.3	32.8	20.2	26.5	45	7	21	23	86	82	.117	.124	3.95	1.36	8.3	7.4	7.6
March	29.146	29.707	28.394	28.3	31.5	39.0	23.0	31.0	60	3	23	24	81	73	.129	.127	2.51	.55	6.7	5.8	6.2
April	29.271	29.710	28.626	40.5	42.6	50.0	35.6	42.8	70	18	32	35	75	77	.194	.214	1.65	.53	6.2	5.9	5.8
May	29.208	29.582	28.637	58.8	60.9	68.5	52.4	60.4	94	29	50	50	74	70	.380	.385	1.30	.52	4.8	4.4	4.4
June	29.123	29.421	28.813	64.4	67.8	73.3	59.3	66.3	83	52	57	58	78	73	.477	.495	2.23	1.15	6.7	6.2	5.4
July	29.179	29.436	28.665	70.5	73.6	78.4	64.8	71.6	95	56	60	61	69	67	.522	.550	4.41	2.91	4.7	4.4	3.7
August	29.194	29.481	28.967	67.6	71.0	77.2	62.5	69.8	92	49	61	62	79	73	.542	.560	4.61	1.22	5.1	5.6	4.9
September	29.228	29.516	28.763	59.6	62.3	69.5	54.9	62.2	82	41	54	54	82	77	.430	.443	3.81	1.07	4.5	4.7	4.8
October	29.242	29.582	28.810	48.3	52.1	57.9	44.5	51.2	71	33	42	44	80	74	.278	.296	3.68	1.62	6.7	4.9	5.5
November	29.128	29.700	28.489	35.5	37.8	43.5	31.1	37.3	69	18	30	32	78	80	.170	.189	3.58	.78	8.5	8.1	7.3
December	29.271	29.721	28.564	33.9	36.2	40.9	30.5	35.7	62	15	30	32	86	84	.176	.187	2.42	.80	8.5	7.5	7.7
Year	29.207	29.721	28.394	46.6	49.3	55.5	41.7	48.6	95	3	40	42	79	76	.295	.308	37.03	2.91	6.6	6.0	5.9

BURLINGTON, VT.

[ϕ=44° 29′ N.; λ=73° 12′ W.]

January	29.652	30.090	28.647	17.4	.....	29.1	9.2	19.2	47	−8	12	....	77	....	0.087	.....	1.32	0.26	6.7	.....	6.6
February	29.650	30.230	29.130	12.2	.....	23.8	5.6	14.7	45	−11	8	....	80	....	.067	.....	1.39	.62	7.5	.....	6.8
March	29.508	30.242	28.568	20.6	.....	33.0	15.1	24.0	51	−4	15	....	76	....	.094	.....	2.44	.65	5.6	.....	6.0
April	29.694	30.240	29.133	37.0	.....	50.6	29.8	40.2	80	6	25	....	63	....	.143	.....	.83	.38	4.8	.....	5.0
May	29.574	30.016	29.067	59.6	.....	74.2	50.8	62.5	92	29	47	....	64	....	.352	.....	1.13	.66	4.0	.....	4.8
June	29.494	29.824	29.108	62.9	.....	71.9	53.8	62.8	86	42	53	....	70	....	.410	.....	2.64	.52	6.1	.....	6.1
July	29.542	29.851	29.174	70.5	.....	83.9	61.1	72.5	100	48	59	....	69	....	.515	.....	2.47	.90	4.3	.....	4.8
August	29.573	29.914	29.240	66.5	.....	78.6	58.3	68.4	92	47	58	....	74	....	.487	.....	3.83	1.61	5.4	.....	5.7
September	29.622	29.989	29.148	54.0	.....	66.1	46.6	56.4	81	32	49	....	82	....	.359	.....	3.46	.76	5.7	.....	5.1
October	29.648	30.081	29.138	44.5	.....	55.0	38.4	46.7	67	25	38	....	79	....	.242	.....	2.84	1.10	6.3	.....	6.4
November	29.505	29.972	28.776	32.2	.....	40.3	27.8	34.0	65	12	27	....	78	....	.149	.....	1.56	.60	8.8	.....	7.9
December	29.667	30.125	28.880	28.6	.....	36.2	25.8	31.0	58	5	24	....	82	....	.139	.....	2.51	1.10	8.2	.....	7.3
Year	29.594	30.242	28.568	42.2	.....	53.6	35.2	44.4	100	−11	35	....	74	....	.254	.....	26.32	1.61	6.1	.....	6.0

Annual meteorological summary for the year ending December 31, 1911—Continued.

BOISE, IDAHO.

[H=2739 ft.; h_t=78 ft.; h_r=72 ft.; h_a=86 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. By self-register. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	5.5	SE.	38	NW.	0	10	5	2	16	13	2	5	7	2	3	8	20	14	11	14	9	0	1	7	0	22	0	0
February	5.1	SE.	26	SE.	0	2	1	4	15	12	1	8	13	0	5	12	11	12	7	15	10	0	0	3	0	27	0	0
March	5.5	SE.	31	SE.	0	3	3	8	15	6	5	7	13	2	18	8	5	4	2	4	2	0	0	0	0	11	1	0
April	5.7	SE.	38	NW.	0	5	7	6	15	3	2	7	14	1	11	7	12	9	7	5	3	1	0	0	0	7	1	0
May	6.5	SE.	29	W.	0	10	2	4	16	6	2	7	15	0	9	11	10	7	0	0	0	0	0	0	0	0	2	0
June	5.3	SE.	32	W.	0	6	4	5	15	5	2	10	13	0	10	11	9	11	8	0	0	0	0	0	0	0	9	0
July	4.6	NW.	27	N.	0	5	2	4	13	4	1	10	23	0	20	11	0	2	1	0	0	0	0	0	15	0	2	0
August	4.6	NW.	18	W.	0	6	0	2	19	4	1	10	20	0	24	7	0	0	0	0	0	0	0	0	5	0	1	0
September	4.6	NW.	26	W.	0	4	1	2	15	4	2	12	20	0	14	11	5	3	0	0	0	0	1	0	1	0	0	0
October	4.7	NW.	25	NW.	0	4	4	4	9	5	2	10	22	2	19	4	8	6	5	0	0	0	0	0	0	0	1	0
November	4.8	SE.	29	NW.	0	6	3	4	24	4	2	3	13	1	9	9	12	9	9	4	2	1	0	1	0	17	1	0
December	4.4	NW.	28	SE.	0	6	2	6	14	8	2	6	18	0	5	9	17	11	5	13	10	0	1	7	0	31	0	0
Year	5.1	SE.	38	NW.	0	67	34	51	186	74	24	95	191	8	147	108	110	91	62	55	36	2	3	18	21	121	18	0

BOSTON, MASS.

[H=125 ft.; h_t=115 ft.; h_r=154 ft.; h_a=188 ft.]

January	11.0	W.	46	NW.	2	9	1	1	3	3	15	18	12	0	8	6	17	15	10	8	4	0	1	6	0	26	0	0
February	11.7	NW.	39	W.	0	11	3	3	1	1	10	10	17	0	9	5	14	10	8	15	9	0	0	13	0	26	0	0
March	12.8	W.	42	W.	1	9	2	3	5	4	11	14	14	0	13	6	12	14	11	8	3	0	0	4	0	19	1	0
April	11.5	W.	40	NE.	1	8	7	5	3	1	13	12	11	0	11	11	8	8	6	5	4	0	0	0	0	5	0	0
May	10.1	SW.	34	NW.	0	2	5	7	6	3	18	17	4	0	11	8	12	5	3	0	0	0	1	0	1	0	2	0
June	9.6	W.	31	W.	0	6	11	9	1	4	8	10	11	0	8	8	14	8	8	0	0	0	0	0	0	0	4	0
July	9.2	W.	34	N.	0	1	2	2	5	7	19	16	10	0	11	10	10	4	3	0	0	0	0	0	9	0	3	0
August	8.4	E.	32	NW.	0	2	7	12	5	2	11	10	13	0	12	5	14	9	8	0	0	0	1	0	3	0	4	0
September	9.5	NW.	29	SE.	0	10	5	4	4	4	12	5	16	0	10	7	13	10	10	0	0	0	1	0	0	0	1	0
October	9.4	NW.	33	NW.	0	6	9	6	2	5	10	13	11	0	11	6	14	11	9	0	0	0	0	0	0	0	1	1
November	12.3	W.	38	SW.	0	3	1	4	0	4	11	29	8	0	10	10	10	11	10	4	1	0	1	0	0	13	1	0
December	10.6	W.	48	W.	2	5	2	6	0	1	13	17	18	0	10	6	15	8	7	4	2	0	1	0	0	11	0	0
Year	10.5	W.	48	W.	6	72	55	62	35	39	151	171	145	0	124	88	153	113	93	44	23	0	6	23	13	100	16	1

BUFFALO, N. Y.

[H=767 ft.; h_t=178 ft.; h_r=168 ft.; h_a=206 ft.]

January	17.1	SW.	65	W.	11	4	4	3	3	7	20	14	7	0	4	7	20	18	13	14	9	0	5	12	0	27	0	0
February	18.5	W.	64	SW.	8	3	5	10	3	1	14	14	6	0	1	12	15	17	11	25	17	0	2	13	0	26	0	0
March	16.1	SW.	62	SW.	6	5	6	7	6	7	12	12	7	0	6	12	13	20	15	16	14	0	1	11	0	28	2	0
April	13.7	SW.	48	SW.	3	1	8	7	4	7	17	13	3	0	8	9	13	13	8	7	2	0	2	2	0	11	1	0
May	11.7	SW.	56	SW.	2	3	4	5	5	4	27	10	4	0	12	13	6	9	6	2	0	0	0	1	2	6	0	0
June	10.9	SW.	48	W.	1	6	5	7	4	3	16	14	5	0	7	17	6	12	7	0	0	0	0	0	0	5	0	0
July	13.1	SW.	72	W.	2	4	5	3	1	4	28	11	6	0	14	13	4	8	7	0	0	0	0	2	0	7	0	0
August	9.8	SW.	41	NW.	1	5	6	5	8	7	15	8	8	0	11	11	9	11	10	0	0	0	1	0	2	9	0	0
September	11.4	SW.	41	W.	2	6	7	11	7	5	13	8	3	0	11	11	8	11	9	0	0	0	1	0	0	2	0	0
October	13.0	SW.	64	SW.	5	5	9	8	6	9	13	8	4	0	9	12	10	11	11	1	0	0	0	0	0	0	0	0
November	21.9	W.	72	W.	15	2	3	3	4	10	9	21	8	0	2	10	18	16	12	17	10	0	0	3	0	19	0	0
December	18.1	SW.	70	W.	8	3	6	11	3	3	18	15	3	0	3	8	20	18	14	14	10	0	1	6	0	17	0	0
Year	14.6	SW.	72	W.	64	47	68	80	54	67	202	148	64	0	88	135	142	164	123	96	62	0	13	47	5	130	32	0

BURLINGTON, VT.

[H=404 ft.; h_t=11 ft.; h_r=3 ft.; h_a=48 ft.]

January	13.7	S.	54	S.	5	6	3	4	1	10	2	2	3	0	8	6	17	14	9	15	9	0	1	16	0	30	0	2
February	10.8	NW.	54	S.	2	4	1	2	5	7	1	1	7	0	5	9	14	10	7	19	9	0	0	20	0	28	0	1
March	13.2	S.	54	S.	1	4	0	3	7	7	1	4	5	0	10	6	15	15	12	20	13	0	0	11	0	30	0	1
April	9.9	NW.	40	S.	1	2	0	3	1	12	1	1	10	0	11	9	10	6	5	8	4	0	1	3	0	19	0	0
May	11.4	S.	38	S.	0	4	0	0	2	15	4	5	1	0	12	10	9	6	4	2	1	0	0	0	4	2	5	1
June	9.2	S.	36	S.	0	2	0	5	6	9	0	3	5	0	6	13	11	13	12	0	0	0	0	0	0	0	7	0
July	9.0	S.	34	S.	0	0	0	0	2	22	1	3	3	0	11	15	5	12	9	0	0	0	2	1	0	9	7	1
August	10.0	S.	39	S.	0	1	0	1	7	15	2	2	3	0	11	8	12	10	6	0	0	0	0	0	2	0	4	3
September	9.8	S.	38	S.	0	3	1	3	3	10	1	1	8	0	11	10	9	13	12	0	0	0	2	0	0	2	3	1
October	11.1	S.	45	S.	1	5	1	1	8	13	1	1	1	0	7	11	13	10	10	3	3	0	0	0	0	8	0	2
November	14.6	S.	54	S.	2	3	1	1	4	11	2	3	5	0	2	7	21	15	7	16	8	0	0	6	0	23	0	0
December	12.7	S.	46	S.	1	3	2	2	3	14	0	3	4	0	6	5	20	13	7	13	7	0	0	11	0	22	0	0
Year	11.3	S.	54	S.	13	37	9	25	49	145	16	29	55	0	100	109	156	137	100	96	54	2	5	67	15	164	26	12

Annual meteorological summary for the year ending December 31, 1911—Continued.

CAIRO, ILL.

[ϕ=37° 0′ N.; λ=89° 10′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.				Extremes.			Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.832	30.221	29.382	36.4	43.9	49.6	32.5	41.0	70	5	32	35	83	71	0.202	0.236	1.56	1.00	8.2	7.7	8.4
February	29.785	30.286	29.272	38.2	45.8	51.3	34.9	43.1	76	17	33	33	80	63	.204	.210	2.66	.77	6.0	5.7	6.1
March	29.697	30.114	29.203	43.7	54.7	61.0	39.8	50.4	86	22	33	32	67	45	.199	.198	.77	.49	5.0	6.5	5.1
April	29.671	30.091	29.138	52.2	61.1	65.9	49.9	57.9	81	35	44	44	76	57	.310	.309	5.77	1.69	7.3	6.2	7.2
May	29.673	30.004	29.308	66.0	76.7	82.5	62.3	72.4	96	43	56	53	72	46	.479	.433	.22	.12	3.6	4.4	3.6
June	29.585	29.771	29.316	73.1	83.7	89.1	69.5	79.3	98	62	62	61	73	50	.590	.557	2.08	.84	5.3	5.2	5.4
July	29.655	29.837	29.377	72.2	82.1	87.2	69.6	78.4	99	59	64	63	76	55	.604	.592	1.99	.96	4.5	6.1	5.2
August	29.620	29.748	29.510	70.8	78.1	84.5	68.7	76.6	98	57	67	68	88	72	.669	.681	2.82	.75	5.7	5.8	6.3
September	29.662	29.898	29.494	69.5	77.6	85.8	67.6	76.7	93	58	67	68	91	74	.666	.638	5.15	1.56	5.7	4.3	5.5
October	29.690	30.024	29.367	54.4	61.9	68.5	52.1	60.3	89	37	51	52	89	71	.399	.419	1.08	.39	6.2	4.5	6.1
November	29.743	30.414	29.106	37.7	45.6	51.7	33.5	42.6	78	18	32	30	78	54	.200	.187	3.30	1.56	6.1	5.2	6.1
December	29.751	30.179	29.170	38.1	43.4	48.0	35.5	41.8	62	20	32	35	80	73	.191	.215	2.71	.94	7.1	4.9	7.5
Year	29.697	30.414	29.106	54.4	62.9	68.8	51.3	60.0	99	5	48	48	79	61	.393	.395	30.11	1.69	5.9	5.5	6.0

CANTON, N. Y.

[ϕ=44° 36′ N.; λ=75° 10′ W.]

January	29.613	30.026	28.692	15.6	.....	26.5	5.7	16.1	46	−19	13	....	88	....	0.089	.....	2.37	0.60	7.1	.....	6.6
February	29.610	30.146	29.076	10.4	.....	23.0	3.2	13.1	49	−24	8	....	90	....	.068	.....	2.97	.78	7.0	.....	6.1
March	29.471	30.137	28.631	20.8	.....	33.1	13.4	23.2	57	−14	16	....	83	....	.101	.....	2.59	.70	5.9	.....	5.4
April	29.654	30.199	29.116	37.1	.....	51.7	29.7	40.7	80	1	28	....	70	....	.160	.....	1.08	.40	4.7	.....	4.7
May	29.541	29.973	29.081	59.7	.....	73.1	50.6	61.8	93	28	50	....	71	....	.388	.....	2.99	1.00	4.0	.....	4.2
June	29.459	29.782	29.124	62.6	.....	72.9	52.7	62.8	87	41	55	....	78	....	.445	.....	2.59	.95	6.3	.....	6.1
July	29.504	29.810	28.936	69.3	.....	82.1	59.6	70.8	98	50	61	....	74	....	.539	.....	4.88	2.01	4.3	.....	4.6
August	29.543	29.900	29.296	65.9	.....	78.7	57.2	68.0	93	39	58	....	77	....	.500	.....	2.67	.56	6.3	.....	5.6
September	29.587	29.928	29.185	53.6	.....	66.6	45.2	55.9	80	29	48	....	83	....	.354	.....	4.50	2.72	5.4	.....	5.3
October	29.605	30.009	28.918	44.7	.....	56.0	39.0	47.5	73	24	40	....	86	....	.263	.....	3.52	1.12	8.0	.....	7.0
November	29.463	29.937	28.709	31.3	.....	39.7	25.7	32.7	67	7	27	....	85	....	.156	.....	3.23	.67	8.6	.....	7.8
December	29.628	30.085	28.818	28.9	.....	36.2	24.5	30.4	61	− 3	26	....	88	....	.154	.....	2.77	.88	8.1	.....	7.2
Year	29.556	30.199	28.631	41.7	.....	53.3	33.9	43.6	98	−24	36	....	81	....	.268	.....	36.16	2.72	6.3	.....	5.9

CAPE MAY, N. J.

[ϕ=38° 56′ N.; λ=74° 51′ W.]

January	30.183	30.742	29.405	34.5	36.6	42.5	30.4	36.4	53	18	30	32	83	83	0.177	0.191	3.31	0.57	5.5	3.8	5.8
February	30.136	30.635	29.599	33.2	36.2	42.1	29.9	36.0	58	20	28	30	82	77	.160	.168	1.76	.50	6.3	4.7	6.2
March	30.052	30.642	29.198	36.0	39.5	45.6	32.2	38.9	57	19	29	32	75	74	.166	.185	3.05	.68	5.0	4.1	5.2
April	30.149	30.611	29.410	45.8	45.9	53.1	40.7	46.9	66	30	38	40	74	82	.237	.258	4.11	1.26	5.6	4.3	5.7
May	30.054	30.384	29.587	59.8	58.9	68.4	53.6	61.0	84	42	53	54	79	84	.414	.425	.41	.10	3.8	2.1	3.9
June	29.946	30.170	29.642	68.4	68.4	76.7	62.9	69.8	89	57	61	62	77	82	.540	.569	2.84	1.15	5.2	4.5	4.4
July	30.023	30.216	29.704	73.5	73.0	81.5	69.0	75.2	94	64	68	68	83	85	.684	.693	3.44	2.18	3.5	4.2	4.6
August	30.029	30.178	29.768	72.5	73.1	80.9	68.2	74.6	91	58	70	69	86	87	.690	.709	7.27	2.33	4.3	4.4	4.7
September	30.067	30.401	29.733	67.7	68.7	76.5	62.4	69.4	86	45	63	64	84	84	.594	.607	1.08	.55	5.3	4.0	4.8
October	30.085	30.500	29.653	55.7	58.3	65.1	51.1	58.1	76	38	49	52	80	80	.368	.402	2.61	.96	6.2	4.5	5.5
November	30.081	30.628	29.336	43.6	45.6	52.3	37.8	45.0	63	26	37	40	79	80	.242	.258	5.93	1.61	6.0	4.2	5.6
December	30.179	30.584	29.555	39.3	42.4	48.4	36.2	42.3	60	23	35	38	85	84	.217	.238	3.89	1.13	5.5	4.8	5.9
Year	30.082	30.742	29.198	52.5	53.9	61.1	47.9	54.5	94	18	47	48	81	82	.374	.392	39.70	2.33	5.2	4.1	5.2

CHARLES CITY, IOWA.

[ϕ=43° 4′ N.; λ=92° 38′ W.]

January	29.011	29.482	28.435	9.8	15.8	23.7	0.7	12.2	45	−26	9	13	96	89	0.044	0.087	0.86	0.38	7.0	6.5	7.6
February	29.043	29.640	28.390	19.8	26.6	32.2	14.9	23.6	52	−10	17	21	89	78	.103	.117	2.06	1.08	6.0	5.4	6.3
March	28.932	29.432	28.369	28.2	40.7	47.5	25.3	36.4	77	8	24	26	83	58	.131	.153	.98	.35	6.0	5.5	6.0
April	28.965	29.401	28.486	37.6	48.9	54.0	34.6	44.3	76	8	34	36	85	66	.204	.230	2.79	1.99	6.0	6.9	6.8
May	28.894	29.318	28.278	56.2	69.6	75.4	51.4	63.4	91	30	49	52	78	56	.378	.423	5.85	1.28	5.4	5.5	5.8
June	28.868	29.108	28.668	65.8	81.0	85.2	61.0	73.1	98	43	59	63	80	55	.515	.585	1.40	.81	4.9	4.3	5.0
July	28.912	29.186	28.547	65.5	81.1	86.9	59.2	73.0	104	44	57	56	74	44	.476	.466	3.03	1.44	4.6	3.9	4.8
August	28.953	29.245	28.741	60.8	73.1	78.9	58.1	68.5	90	41	57	60	88	64	.483	.533	4.74	2.20	6.3	5.1	5.9
September	28.956	29.174	28.588	54.6	64.6	72.0	52.0	62.0	92	37	52	57	92	77	.388	.471	4.11	1.66	6.5	6.6	6.9
October	28.983	29.302	28.459	41.1	46.9	55.4	38.5	47.0	76	24	38	41	90	80	.245	.269	2.87	1.14	6.3	4.9	6.2
November	28.912	29.747	28.364	22.0	29.0	35.7	17.5	26.6	48	3	20	23	90	78	.112	.131	1.35	.73	7.9	5.5	7.8
December	28.966	29.450	28.294	22.2	26.6	33.8	18.0	25.9	52	−17	20	23	93	86	.117	.128	3.12	1.18	5.9	6.2	7.2
Year	28.950	29.747	28.278	40.3	50.3	56.7	35.9	46.3	104	−26	36	39	86	69	.267	.299	33.16	2.20	6.1	5.5	6.4

Annual meteorological summary for the year ending December 31, 1911—Continued.

CAIRO, ILL.

[H=356 ft.; h_t=87 ft.; h_r=80 ft.; h_a=93 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	11.1	S.	31	NE.	0	11	11	0	3	20	14	1	2	0	3	6	22	7	7	3	1	0	2	3	0	13	1	0
February	10.9	N.	38	E.	0	14	9	1	9	10	5	3	5	0	9	3	16	12	6	5	3	0	0	2	0	11	2	0
March	12.0	N.	39	W.	0	13	9	5	6	9	11	5	4	0	11	9	11	9	4	1	1	0	0	0	0	4	3	0
April	11.5	S.	43	S.	2	5	12	4	8	17	4	6	4	0	3	10	17	13	13	0	0	0	1	0	0	0	6	0
May	7.4	S.	29	N.	0	3	15	6	7	15	9	3	4	0	15	13	3	4	2	0	0	0	0	0	8	0	5	0
June	7.7	SW.	40	W.	1	6	6	7	8	9	17	2	5	0	9	9	12	8	4	0	0	0	0	0	14	0	10	0
July	6.6	SW.	28	N.	0	5	10	5	7	12	15	5	3	0	9	14	8	8	5	0	0	0	0	0	10	0	6	0
August	6.3	NE.	35	NW.	0	5	14	11	12	13	7	0	0	0	8	7	16	17	11	0	0	0	0	0	8	0	7	0
September	6.3	S.	33	NE.	0	8	9	5	4	18	13	1	2	0	7	13	10	13	11	0	0	1	2	0	7	0	12	0
October	8.1	N.	34	N.	0	19	9	5	3	9	9	4	4	0	9	5	17	7	6	0	0	0	1	0	0	0	0	0
November	10.8	S.	44	NW.	1	3	6	5	7	12	11	7	9	0	9	6	15	11	9	5	2	0	0	3	0	13	2	0
December	9.3	S.	32	NW.	0	6	12	6	9	13	4	10	2	0	6	5	20	12	9	1	0	0	1	0	0	9	0	0
Year	9.0	S.	44	NW.	4	98	122	60	83	157	119	47	44	0	98	100	167	121	87	15	7	1	7	8	47	50	56	0

CANTON, N. Y.

[H=448 ft.; h_t=10 ft.; h_r=4 ft.; h_a=61 ft.]

January	13.2	SW.	48	SW.	6	2	4	1	0	8	10	1	5	0	7	7	17	22	15	17	17	0	0	18	0	30	0	1
February	12.3	NE.	42	SW.	2	1	10	4	0	2	3	3	4	1	10	4	14	15	10	15	13	0	0	21	0	27	0	0
March	11.5	S.	40	S.	1	1	4	2	2	10	5	4	3	0	12	6	13	16	12	16	12	0	0	15	0	29	1	2
April	11.4	NE.	44	SW.	2	4	5	2	2	3	12	1	1	0	13	8	9	6	5	3	2	0	0	3	0	22	0	5
May	10.6	S.	54	SW.	2	2	2	1	0	12	12	1	1	0	16	8	7	12	7	2	1	0	0	0	1	2	7	1
June	8.1	S.	42	S.	1	1	4	2	0	8	11	1	3	0	9	8	13	15	15	0	0	0	0	0	0	0	6	0
July	10.1	SW.	48	W.	3	0	1	0	1	6	17	4	1	1	12	14	5	10	8	0	0	0	0	0	6	0	8	1
August	8.0	SW.	38	SW.	0	2	2	4	0	9	10	2	2	0	7	13	11	11	9	0	0	0	0	0	2	0	12	2
September	8.6	SW.	40	W.	1	4	5	6	0	3	6	1	5	0	10	10	10	10	9	0	0	0	1	0	0	3	4	1
October	9.7	SW.	48	W.	3	1	6	2	2	3	10	4	1	2	4	12	15	11	10	2	2	0	1	0	0	8	0	2
November	13.2	SW.	54	W.	4	2	3	0	3	6	10	4	2	0	2	7	21	17	16	17	11	0	1	8	0	24	0	0
December	12.4	SW.	50	W.	2	1	1	4	0	2	10	5	8	0	5	8	18	15	12	14	7	0	0	9	0	21	0	0
Year	10.8	SW.	54	SW.	27	21	47	28	10	72	116	31	36	4	107	105	153	160	128	86	65	0	3	74	9	166	38	15

CAPE MAY, N. J.

[H=17 ft.; h_t=13 ft.; h_r=3 ft.; h_a=49 ft.]

January	9.1	S.	30	NW.	0	7	4	1	11	18	3	3	15	0	14	3	14	16	12	3	3	1	8	3	0	17	1	0
February	9.9	NW.	36	NE.	0	8	12	2	1	10	1	8	14	0	8	9	11	11	8	7	3	0	1	1	0	18	2	0
March	12.0	S.	34	NW.	0	7	9	1	6	19	3	7	10	0	9	14	8	12	12	6	2	2	3	1	0	15	4	0
April	10.2	S.	32	SE.	0	6	8	8	11	14	1	6	6	0	8	13	9	12	12	1	1	0	3	0	0	2	0	0
May	7.9	NE.	31	NE.	0	2	15	8	10	14	4	6	3	0	18	11	2	8	4	0	0	0	10	0	0	0	3	0
June	7.4	W.	42	S.	1	5	11	8	7	13	1	15	0	0	14	11	5	14	9	0	0	0	2	0	0	0	7	0
July	6.6	SW.	26	SE.	0	6	6	2	12	12	20	2	2	0	12	16	3	6	6	0	0	0	2	0	1	0	7	0
August	7.4	S.	30	NE.	0	7	8	8	14	15	6	2	2	0	11	15	5	12	10	0	0	0	2	0	0	2	0	0
September	7.3	NE.	30	SE.	0	12	15	3	6	3	12	4	5	0	11	16	3	6	6	0	0	0	3	0	0	0	0	0
October	8.2	N.	44	SE.	1	16	10	0	8	5	9	6	8	0	9	12	10	15	11	0	0	0	1	0	0	0	0	0
November	10.4	NW.	36	E.	0	9	4	1	7	5	8	6	19	1	7	14	9	15	15	0	0	0	0	0	0	7	1	0
December	8.0	SW.	35	W.	0	10	8	1	10	1	12	9	11	0	9	9	13	12	11	1	0	1	11	0	0	8	0	0
Year	8.7	S.	44	SE.	2	95	110	43	103	129	80	74	95	1	130	143	92	139	116	18	9	4	46	5	3	67	34	0

CHARLES CITY, IOWA.

[H=1,015 ft.; h_t=10 ft.; h_r=4 ft.; h_a=49 ft.]

January	8.0	S.	32	NW.	0	4	2	3	8	15	4	1	24	1	3	9	19	9	6	11	7	0	2	21	0	29	0	0
February	8.6	NW.	30	NW.	0	10	3	1	5	9	5	4	18	1	7	7	14	6	6	5	3	0	1	13	0	24	0	0
March	10.2	NW.	34	SW.	0	12	2	1	5	20	6	5	11	0	8	8	15	4	3	6	3	0	3	4	0	25	2	0
April	7.8	S.	30	NW.	0	11	3	6	15	8	4	4	9	0	5	11	14	11	7	4	2	0	0	0	0	14	2	0
May	8.6	SW.	33	SW.	0	11	7	0	12	16	5	5	6	0	6	13	12	12	7	1	1	2	0	0	1	2	8	0
June	6.7	SE.	26	S.	0	5	9	5	19	8	4	3	7	0	8	15	7	10	6	0	0	1	0	0	12	0	8	0
July	7.4	NW.	26	NW.	0	8	8	0	5	15	10	2	14	0	12	11	8	9	6	0	0	1	0	0	9	0	9	0
August	5.4	SE.	32	SW.	0	11	9	3	16	7	4	1	9	2	8	10	13	13	8	0	0	1	0	0	0	0	9	1
September	6.3	SE.	24	S.	0	4	12	2	17	10	2	3	10	0	5	9	16	12	5	0	0	1	0	0	1	0	6	0
October	6.2	SE.	24	W.	0	6	5	2	12	10	4	5	18	0	8	9	14	12	8	1	1	0	2	0	0	10	4	0
November	9.4	NW.	32	SW.	0	8	1	4	5	12	5	6	19	0	3	8	19	9	5	12	3	0	0	7	0	28	1	0
December	7.3	S.	28	NW.	0	7	2	5	13	14	4	5	12	0	5	11	15	9	8	9	7	0	3	13	0	30	0	0
Year	7.7	NW.	34	NW.	0	97	63	32	132	144	57	44	157	4	78	121	166	116	75	49	27	4	13	58	23	162	49	1

Annual meteorological summary for the year ending December 31, 1911—Continued.

CHARLESTON, S. C.

[ϕ=32° 47′ N.; λ=79 56 W.]

Month.	Pressure.			Temperature.							Moisture.								Cloudiness.		
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.				
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.201	30.579	29.800	46.8	53.1	61.6	44.3	53.0	75	28	42	47	85	81	0.289	0.340	0.56	0.33	4.4	3.1	4.3
February	30.101	30.488	29.712	49.8	54.2	63.5	47.0	55.2	78	31	45	48	86	80	.323	.345	1.11	1.09	3.8	3.0	3.6
March	30.050	30.457	29.530	52.9	56.5	65.4	48.9	57.2	78	39	45	48	78	73	.322	.345	1.27	1.13	5.0	2.9	4.2
April	30.080	30.369	29.757	62.3	63.6	70.9	57.4	64.2	84	47	55	57	78	79	.450	.470	1.74	.87	4.8	5.0	4.8
May	30.013	30.173	29.824	70.2	71.8	78.8	65.6	72.2	93	50	62	64	77	76	.583	.603	.13	.13	3.1	3.7	3.3
June	29.937	30.120	29.728	80.0	79.9	88.6	73.6	81.1	95	65	71	72	75	76	.774	.777	2.84	1.40	3.8	6.4	4.4
July	30.020	30.208	29.806	79.6	80.0	87.3	74.0	80.6	94	65	71	72	76	78	.764	.790	2.23	.90	4.3	6.7	5.4
August	29.952	30.152	29.429	79.6	79.7	86.8	74.8	80.8	94	68	73	73	82	81	.824	.820	7.52	2.89	3.8	6.5	4.8
September	30.020	30.190	29.804	77.8	79.4	86.5	74.0	80.2	95	69	73	75	86	87	.822	.874	5.24	3.28	3.0	4.1	3.9
October	29.995	30.237	29.739	68.5	71.1	77.8	65.4	71.6	93	54	64	66	88	84	.620	.657	3.92	1.81	6.4	4.1	5.7
November	30.078	30.475	29.681	52.1	56.3	64.4	47.1	55.8	79	29	47	49	83	76	.358	.369	1.49	.90	6.1	3.9	5.1
December	30.137	30.498	29.803	49.6	55.1	62.2	47.3	54.8	74	31	44	48	83	80	.321	.365	3.63	2.18	6.1	4.4	5.9
Year	30.049	30.579	29.429	64.1	66.7	74.5	60.0	67.2	95	28	58	60	81	79	.538	.563	31.68	3.28	4.6	4.5	4.6

CHARLOTTE, N. C.

[ϕ=35° 13′ N.; λ=80° 51′ W.]

January	29.393	29.875	28.907	39.9	46.8	53.8	36.6	45.2	72	22	35	37	82	71	0.219	0.238	1.93	1.14	6.6	4.9	7.0
February	29.310	29.707	28.916	41.1	48.7	56.8	38.5	47.6	75	21	36	37	81	67	.224	.234	1.93	.84	5.3	5.4	5.7
March	29.251	29.692	28.684	42.0	53.1	60.1	39.1	49.6	76	26	35	34	76	52	.212	.206	2.77	.86	4.7	4.5	4.9
April	29.294	29.684	28.890	52.0	59.9	66.2	47.7	57.0	80	37	44	44	75	60	.303	.312	2.66	.79	5.8	6.5	6.2
May	29.246	29.498	28.979	65.7	74.3	82.2	59.8	71.0	95	44	56	53	70	50	.453	.419	1.23	.47	2.6	4.1	3.3
June	29.160	29.345	28.890	73.7	80.6	89.9	68.2	79.0	98	61	64	62	72	55	.600	.505	2.02	1.24	4.4	6.3	5.4
July	29.240	29.454	29.016	73.6	79.3	88.7	68.9	78.8	95	62	66	64	78	62	.646	.607	2.86	.82	5.6	5.7	5.3
August	29.206	29.373	29.074	72.9	78.9	88.8	69.1	79.0	97	62	68	66	84	67	.676	.647	6.20	1.91	5.0	6.5	5.5
September	29.257	29.473	29.014	70.6	76.6	85.2	67.6	76.4	92	59	66	67	86	73	.644	.661	4.76	2.17	5.2	4.2	5.7
October	29.253	29.590	28.938	57.3	64.3	71.7	55.2	63.4	91	41	54	56	88	75	.426	.459	3.51	1.63	6.0	4.7	5.8
November	29.289	29.789	28.800	41.3	47.3	55.7	36.6	46.2	71	25	36	34	82	63	.233	.217	3.36	1.41	6.2	4.9	5.9
December	29.353	29.670	28.928	40.3	47.6	53.5	37.5	45.5	68	26	35	37	81	68	.216	.235	4.64	1.53	6.0	6.0	6.4
Year	29.271	29.875	28.684	55.9	63.1	71.0	52.1	61.6	98	21	50	49	80	64	.405	.400	37.87	2.17	5.3	5.3	5.6

CHATTANOOGA, TENN.

[ϕ=35° 4 ′ N.; λ=85° 14′ W.]

January	29.448	29.834	29.073	42.2	49.0	54.0	38.0	46.0	72	10	37	38	81	68	0.242	0.258	6.52	3.82	7.2	6.5	7.1
February	29.364	29.704	28.888	43.6	52.3	57.5	41.0	49.2	75	20	38	40	81	64	.253	.272	4.41	1.35	7.0	5.9	6.7
March	29.299	29.625	28.766	44.8	56.6	62.5	42.3	52.4	83	21	37	38	75	54	.237	.251	2.79	1.69	5.6	4.5	5.1
April	29.299	29.654	29.000	53.2	63.1	68.0	50.6	59.3	85	39	46	49	78	63	.334	.364	15.29	6.60	6.5	6.5	6.3
May	29.278	29.546	28.966	64.5	77.0	82.8	60.1	71.4	95	43	55	54	72	47	.460	.444	1.81	.93	3.3	3.5	3.4
June	29.216	29.374	28.981	71.6	80.5	88.7	67.2	78.0	97	60	63	62	75	57	.576	.569	3.16	.78	4.7	5.4	4.7
July	29.284	29.463	29.103	70.4	77.6	85.7	66.5	76.1	96	56	64	65	80	67	.597	.622	5.40	1.62	5.2	7.1	5.8
August	29.230	29.392	29.048	71.3	78.8	86.1	68.6	77.4	92	61	66	68	85	71	.651	.698	3.02	1.21	5.2	7.4	6.3
September	29.286	29.422	29.102	70.0	79.9	87.9	67.8	77.8	92	64	66	68	86	67	.633	.678	2.97	1.72	4.5	4.6	4.7
October	29.273	29.580	29.000	58.5	68.0	74.8	56.5	65.6	92	39	54	57	86	70	.436	.480	4.87	3.12	4.7	4.2	5.1
November	29.351	29.775	28.887	40.0	47.8	54.8	36.8	45.8	73	18	34	38	78	71	.213	.253	4.23	1.35	6.7	4.9	5.8
December	29.377	29.700	28.880	40.9	48.9	54.1	38.9	46.5	69	25	36	41	83	76	.232	.274	8.67	2.18	6.5	6.5	6.7
Year	29.309	29.834	28.766	55.9	65.0	71.4	52.9	62.1	97	10	50	52	80	65	.405	.430	63.14	6.60	5.6	5.6	5.6

CHEYENNE, WYO.

[ϕ=41° 8′ N.; λ=104° 8′ W.]

January	23.929	24.157	23.535	28.9	32.2	42.7	20.9	31.8	59	— 19	16	18	60	55	0.098	0.099	0.49	0.36	3.2	5.0	4.7
February	23.957	24.427	23.542	18.6	27.0	35.5	14.2	24.8	56	— 13	11	14	73	60	.072	.082	.56	.22	4.6	4.8	4.2
March	23.987	24.304	23.603	31.4	44.6	51.6	27.3	39.4	64	17	20	22	64	43	.108	.119	.16	.08	4.0	5.8	4.7
April	23.919	24.365	23.530	33.5	49.7	54.8	28.0	41.4	71	14	21	21	61	39	.118	.118	1.93	1.28	5.1	4.5	5.2
May	23.954	24.200	23.609	43.6	60.1	65.9	38.5	52.2	79	25	37	47	79	65	.222	.333	.33	.13	3.5	5.3	5.3
June	24.048	24.317	23.835	55.1	72.3	78.9	50.4	64.6	87	43	51	58	87	63	.377	.481	1.64	.78	2.6	6.1	5.1
July	24.134	24.400	23.843	55.9	71.5	77.5	51.9	64.7	86	42	47	47	75	47	.332	.336	1.21	.33	5.0	5.5	5.5
August	24.101	24.240	23.866	54.0	72.8	79.0	51.1	65.0	90	41	43	42	79	37	.285	.278	1.35	.80	4.3	5.1	5.5
September	24.071	24.230	23.815	51.7	66.8	73.9	47.5	60.7	88	33	38	36	63	36	.236	.219	1.35	1.45	5.1	5.5	6.1
October	24.045	24.268	23.637	34.9	45.8	53.9	31.3	42.6	74	13	27	29	74	56	.152	.164	.95	.22	3.7	4.4	4.8
November	23.953	24.350	23.543	28.5	31.8	41.1	19.8	30.4	57	— 9	16	19	63	60	.095	.102	.59	.38	3.3	3.4	4.6
December	23.896	24.268	23.551	19.8	24.2	34.6	13.5	24.0	61	— 3	11	14	70	66	.072	.080	.29	.13	3.8	2.8	4.9
Year	24.000	24.427	23.530	38.0	49.9	57.4	32.9	45.1	90	— 19	28	31	70	52	.181	.201	10.85	1.45	4.0	4.8	5.0

Annual meteorological summary for the year ending December 31, 1911—Continued.

CHARLESTON, S. C.

[H=48 ft.; h_t=11 ft.; h_r=76 ft.; h_a=92 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	9.8	SW.	27	SW.	0	14	7	5	5	5	17	4	5	0	13	13	5	5	3	0	0	0	3	0	0	2	0	0
February	9.7	SW.	32	E.	0	6	10	6	0	5	17	5	7	0	15	7	6	4	2	0	0	0	3	0	0	1	0	0
March	12.4	SW.	36	NE.	0	4	13	8	2	5	17	6	7	0	14	13	4	4	3	0	0	0	2	0	0	0	1	0
April	13.4	E.	36	E.	0	5	10	16	6	8	9	3	3	0	9	13	8	7	5	0	0	0	0	0	0	0	2	0
May	11.1	S.	36	E.	0	6	15	5	9	12	9	3	3	0	19	11	1	2	1	0	0	0	0	0	1	0	2	0
June	9.7	SW.	37	E.	0	5	0	4	4	12	29	10	5	0	8	20	2	11	10	0	0	0	0	0	12	0	12	0
July	8.6	SE.	32	W.	0	1	1	2	10	11	16	12	9	0	7	20	4	11	5	0	0	0	0	0	5	0	13	0
August	11.8	SE.	94	E.	4	8	7	6	13	13	5	6	4	0	9	20	2	9	8	0	0	0	0	0	6	0	10	0
September	8.3	S.	28	E.	0	4	7	11	3	10	12	10	3	0	15	13	2	14	11	0	0	0	0	0	6	0	12	0
October	10.7	N.	28	NE.	0	20	10	5	9	5	5	2	6	0	7	14	10	8	7	0	0	0	0	0	2	0	1	0
November	11.5	N.	37	N.	0	14	11	3	1	5	4	9	13	0	11	10	9	10	5	0	0	0	0	0	0	2	1	0
December	10.8	NE.	42	NE.	1	11	21	7	1	2	10	3	7	0	12	4	15	11	8	0	0	0	3	0	0	1	0	0
Year	10.6	SW.	94	E.	5	98	112	78	63	93	141	73	72	0	139	158	68	96	68	0	0	0	11	0	32	6	54	0

CHARLOTTE, N. C.

[H=773 ft.; h_t=68 ft.; h_r=60 ft.; h_a=76 ft.]

January	7.6	SW.	32	SW.	0	6	15	4	4	12	15	2	3	1	5	8	18	12	7	0	0	0	5	1	0	11	0	0
February	6.8	SW.	26	SW.	0	9	12	8	1	6	14	3	2	1	11	7	10	10	7	1	1	0	7	0	0	3	1	0
March	9.1	SW.	38	SW.	0	6	14	5	4	8	18	5	2	0	12	11	8	11	9	0	0	1	2	0	0	5	2	0
April	8.0	NE.	30	W.	0	5	18	4	7	8	11	3	4	0	10	7	13	14	10	0	0	0	1	0	0	0	3	0
May	6.2	NE.	40	SW.	1	4	15	9	5	12	8	3	5	1	20	6	5	6	4	0	0	0	0	0	6	0	3	0
June	5.5	NE.	26	SW.	0	8	14	3	8	2	12	10	3	0	8	16	6	9	7	0	0	0	0	0	20	0	12	0
July	5.5	SW.	28	SW.	0	6	8	2	8	11	19	6	2	0	8	18	5	11	8	0	0	0	0	0	11	0	10	0
August	5.6	SE.	32	SE.	0	4	10	7	12	8	12	7	2	0	10	13	8	13	10	0	0	0	0	0	15	0	10	0
September	4.5	NE.	28	W.	0	7	18	5	10	4	10	3	3	0	7	15	8	8	6	0	0	0	3	0	3	0	6	0
October	5.5	NE.	20	SW.	0	10	24	5	9	5	5	2	1	1	11	6	14	8	5	0	0	0	2	0	1	0	0	0
November	6.4	NE.	29	SW.	0	7	15	7	2	4	15	4	5	1	11	6	13	10	9	0	0	0	2	0	0	11	0	0
December	6.2	NE.	29	W.	0	5	18	10	6	6	11	1	4	1	9	4	18	11	10	0	0	0	3	0	0	9	0	0
Year	6.4	NE.	40	SW.	1	77	181	69	76	86	150	49	36	6	122	117	126	123	92	1	1	1	25	1	56	39	47	0

CHATTANOOGA, TENN.

[H=762 ft.; h_t=189 ft.; h_r=167 ft.; h_a=213 ft.]

January	8.4	SW.	30	SW.	0	7	5	2	6	13	13	4	12	0	4	10	17	13	9	2	1	0	4	1	0	7	0	0
February	8.3	S.	33	S.	0	7	5	5	3	13	6	5	12	0	5	8	15	17	12	3	2	0	6	0	0	5	3	0
March	10.4	W.	45	NW.	2	3	9	7	6	9	7	12	9	0	11	10	10	13	6	1	0	1	3	0	0	4	3	0
April	10.3	S.	33	SE.	0	6	11	2	9	19	4	2	7	0	8	7	15	13	10	0	0	1	1	0	0	0	4	0
May	6.7	NE.	35	NW.	0	7	12	7	6	5	7	12	6	0	20	6	5	6	5	0	0	0	1	0	7	0	5	0
June	6.6	W.	51	SW.	2	8	7	1	5	8	11	13	7	0	15	5	10	13	11	0	0	0	0	0	8	0	14	0
July	5.9	W.	36	NE.	0	8	6	2	1	6	15	16	8	0	7	14	10	15	12	0	0	0	0	0	7	0	13	0
August	6.0	W.	43	NW.	1	4	7	2	9	5	5	20	10	0	4	16	11	14	11	0	0	0	1	0	4	0	12	0
September	5.3	SW	33	NW.	0	5	9	3	4	7	13	12	7	0	11	15	4	9	•8	0	0	0	0	0	5	0	10	0
October	6.5	N.	28	NW.	0	12	10	6	4	8	9	5	8	0	10	12	9	8	6	0	0	0	4	0	2	0	1	0
November	9.8	NE.	40	W.	1	9	19	4	5	7	8	8	9	0	13	2	15	14	8	2	1	0	2	1	0	11	0	0
December	8.0	S.	34	NW.	0	8	10	7	8	11	4	8	5	1	8	6	17	13	12	1	0	0	1	0	0	9	0	0
Year	7.7	W.	51	SW.	6	84	101	48	66	111	102	117	100	1	116	111	138	148	110	9	4	3	31	2	35	36	65	0

CHEYENNE, WYO.

[H=6,088 ft.; h_t=56 ft.; h_r=49 ft.; h_a=64 ft.]

January	13.4	W.	60	W.	5	7	2	0	0	9	8	21	14	1	12	13	6	3	3	5	3	0	0	5	0	26	0	0
February	10.4	W.	44	NW.	2	5	1	3	3	5	10	16	13	0	12	9	7	10	5	11	10	0	1	11	0	28	0	0
March	13.0	W.	50	W.	6	8	2	1	2	3	10	15	21	0	8	18	5	3	2	8	2	0	0	0	0	25	0	0
April	11.6	NW.	36	NW.	0	8	4	0	4	9	8	15	14	0	8	17	5	8	8	7	4	1	3	0	0	21	2	0
May	11.6	S.	48	NW.	1	4	1	3	7	17	5	10	14	1	9	15	7	11	2	4	4	0	2	0	0	6	4	0
June	8.9	NW.	48	NW.	3	5	3	1	4	7	6	14	20	0	7	19	4	8	4	0	0	1	0	0	0	0	9	0
July	8.9	NW.	36	W.	0	7	6	5	3	14	7	6	14	0	6	17	8	11	7	0	0	0	0	0	0	0	7	0
August	8.9	S.	38	S.	0	9	8	3	2	15	8	8	9	0	6	19	6	7	7	0	0	1	1	0	1	0	9	0
September	9.8	S.	40	S.	1	5	3	0	3	15	9	11	14	0	5	15	10	7	3	1	0	0	2	0	0	0	5	0
October	9.9	NW.	46	W.	2	8	7	5	4	6	4	10	17	1	13	11	7	8	4	7	3	0	2	3	0	13	0	0
November	15.3	NW.	43	NW.	7	8	1	0	1	3	8	14	25	0	11	17	2	7	5	12	7	0	1	6	0	28	0	0
December	10.1	NW.	36	W.	0	6	2	0	3	5	3	19	24	0	11	16	4	5	3	10	5	0	3	17	0	31	0	0
Year	11.0	NW.	60	W.	27	80	40	21	36	108	84	159	199	3	108	186	71	88	53	65	38	3	15	42	1	178	36	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

CHICAGO, ILL.

[ϕ=41° 53′ N.; λ=87° 37′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.				Extremes.			Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.222	29.694	28.516	26.2	30.5	36.6	21.8	29.2	54	0	22	24	82	76	0.132	0.142	1.17	0.55	6.3	6.6	7.9
February	29.222	29.764	28.577	30.0	34.0	38.3	26.5	32.4	58	8	24	27	78	76	.140	.155	2.27	.89	5.6	6.9	6.3
March	29.141	29.650	28.532	33.8	40.6	47.1	31.3	39.2	73	13	26	30	70	67	.142	.175	1.45	.52	5.4	4.9	5.2
April	29.189	29.669	28.580	43.5	46.9	51.5	40.7	46.1	70	27	36	37	76	70	.225	.235	3.03	.78	4.8	6.1	5.9
May	29.148	29.527	28.609	61.4	67.1	74.5	57.3	65.9	94	33	50	50	67	58	.385	.389	3.37	1.27	4.5	3.9	4.2
June	29.086	29.298	28.815	69.1	74.4	80.4	64.5	72.4	98	55	59	59	71	62	.507	.522	2.54	1.05	4.7	3.7	4.4
July	29.130	29.337	28.671	72.3	79.0	83.5	68.6	76.0	102	53	59	60	64	54	.516	.536	2.65	.91	3.1	2.7	3.8
August	29.152	29.374	28.917	67.9	73.7	77.6	66.0	71.8	92	59	60	60	76	64	.526	.533	3.72	1.43	5.9	4.3	4.5
September	29.175	29.457	28.901	63.4	68.2	72.8	61.2	67.0	86	51	58	59	82	74	.480	.520	4.03	1.16	5.5	5.4	5.5
October	29.178	29.503	28.724	50.2	54.6	58.6	47.9	53.2	79	32	44	46	79	73	.297	.324	3.79	1.25	6.8	6.9	6.4
November	29.105	29.329	28.409	32.8	36.7	41.9	29.0	35.4	74	12	27	29	79	72	.163	.170	3.27	1.51	6.3	6.4	6.5
December	29.204	29.608	28.500	32.9	36.5	40.1	29.8	35.0	60	5	28	29	82	74	.161	.169	2.54	.60	6.3	5.3	6.1
Year	29.163	29.829	28.409	48.6	53.5	58.6	45.4	52.0	102	0	41	42	76	68	.306	.322	33.83	1.51	5.4	5.2	5.6

CINCINNATI, OHIO.

[ϕ=39° 6′ N.; λ=84° 30′ W.]

January	29.516	29.971	28.972	35.2	39.2	45.1	29.5	37.3	62	10	30	31	81	71	0.189	0.195	4.28	1.10	7.3	8.0	7.9
February	29.475	29.918	28.910	34.9	41.8	47.9	31.9	39.9	70	17	30	32	80	67	.175	.190	1.80	.86	7.9	6.2	6.8
March	29.385	29.892	28.744	37.9	46.9	53.5	33.0	43.2	72	13	28	30	67	54	.161	.177	3.05	.81	6.8	5.7	5.7
April	29.424	29.860	28.872	47.5	55.3	60.9	43.4	52.2	82	29	39	40	72	60	.248	.270	5.23	1.45	6.1	6.4	6.6
May	29.403	29.740	28.897	64.8	75.3	81.0	58.8	69.9	95	36	53	51	67	45	.432	.407	1.54	1.17	3.7	5.0	4.3
June	29.317	29.553	29.080	69.5	79.4	84.9	64.9	74.9	95	56	60	61	74	56	.535	.546	3.04	1.03	4.9	5.4	5.3
July	29.383	29.567	29.039	72.4	80.2	87.3	66.5	76.9	102	54	61	60	68	53	.546	.541	4.61	1.43	2.8	6.1	4.7
August	29.356	29.518	29.215	70.6	78.6	85.3	66.7	76.0	96	54	63	64	78	63	.594	.602	3.06	1.17	6.4	6.8	6.5
September	29.391	29.625	29.168	66.6	74.1	80.9	63.2	72.0	90	52	61	63	84	70	.558	.594	7.52	2.87	5.7	4.2	5.9
October	29.410	29.761	29.035	52.3	59.5	66.1	48.6	57.4	84	35	49	50	88	71	.361	.374	4.54	1.17	6.7	6.3	6.4
November	29.419	30.026	28.793	36.9	42.1	48.6	32.6	40.6	71	15	30	32	74	67	.203	.196	2.92	1.03	7.1	5.4	6.8
December	29.484	29.885	28.830	37.8	41.9	47.7	33.5	40.6	65	16	33	34	82	72	.197	.204	3.46	.93	7.6	7.0	7.6
Year	29.414	30.026	28.744	52.2	59.5	65.8	47.7	56.7	102	10	45	46	76	62	.350	.358	45.05	2.87	6.1	6.0	6.2

CLEVELAND, OHIO.

[ϕ=41° 30′ N.; λ=81° 42′ W.]

January	29.309	29.789	28.629	29.2	31.2	37.6	23.5	30.6	54	4	22	24	74	73	0.134	0.140	2.80	0.96	7.2	7.9	7.5
February	29.275	29.701	28.862	29.3	32.3	38.4	25.1	31.8	62	15	24	24	78	72	.136	.136	1.81	.49	8.0	7.6	7.4
March	29.186	29.734	28.479	31.8	35.4	42.1	26.5	34.3	62	10	23	26	70	68	.133	.148	1.54	.30	6.3	6.5	6.2
April	29.278	29.766	28.631	42.2	46.6	52.4	38.8	45.6	73	21	34	36	73	69	.206	.228	3.42	1.22	5.6	7.0	6.6
May	29.235	29.597	28.634	62.1	68.8	73.4	55.4	64.4	89	34	51	54	68	61	.405	.458	1.97	.79	4.0	3.8	3.7
June	29.151	29.439	28.826	67.3	72.8	76.4	62.2	69.3	92	56	59	64	76	75	.510	.601	2.88	1.19	4.5	5.0	5.1
July	29.214	29.454	28.822	70.6	76.1	80.2	65.3	72.8	96	55	60	61	70	61	.532	.540	1.71	.70	2.7	4.6	3.8
August	29.212	29.423	29.056	67.5	72.5	77.0	64.4	70.7	91	53	60	61	79	70	.536	.556	5.18	2.43	6.1	5.4	5.4
September	29.244	29.500	28.874	62.1	67.2	71.4	58.7	65.0	88	46	56	57	82	72	.466	.470	4.67	1.90	6.5	5.5	5.1
October	29.258	29.605	28.801	48.6	53.0	57.9	45.8	51.8	75	34	44	45	84	74	.298	.310	5.16	1.42	6.0	6.2	6.5
November	29.183	29.784	28.539	35.4	38.0	43.3	31.6	37.4	70	15	30	30	79	72	.174	.179	3.56	1.35	8.2	7.4	8.3
December	29.302	29.727	28.668	34.0	36.4	42.1	31.1	36.6	61	17	29	29	82	74	.171	.167	2.67	.60	7.2	8.6	8.4
Year	29.237	29.789	28.479	48.3	52.5	57.7	44.0	50.9	96	4	41	43	76	70	.308	.328	37.37	2.43	6.0	6.3	6.1

COLUMBIA, MO.

[ϕ=38° 57′ N.; λ=92° 20′ W.]

January	29.306	29.656	28.864	.....	35.2	43.3	23.7	33.5	71	−8	....	28	....	75	.....	0.168	0.96	0.55	.....	6.6	6.9
February	29.299	29.853	28.695	.....	38.2	46.2	26.7	36.4	81	6	....	30	....	73	.....	.178	3.04	1.67	.....	5.0	5.0
March	29.208	29.642	28.694	.....	50.0	57.8	32.8	45.3	82	17	....	34	....	55	.....	.210	1.54	.39	.....	3.7	3.9
April	29.166	29.516	28.587	.....	56.0	62.0	41.9	52.0	82	29	....	42	....	62	.....	.280	5.65	1.92	.....	5.6	5.6
May	29.175	29.463	28.677	.....	73.1	80.5	56.8	68.6	94	33	....	57	....	59	.....	.494	1.27	.58	.....	3.6	3.8
June	29.105	29.230	28.791	.....	84.0	91.4	65.8	78.6	102	54	....	65	....	55	.....	.636	.59	.15	.....	3.1	3.7
July	29.168	29.321	28.936	.....	83.1	89.8	65.9	77.8	105	51	....	61	....	51	.....	.555	3.03	1.54	.....	3.8	4.8
August	29.161	29.306	29.022	.....	80.4	87.2	63.9	75.6	105	50	....	63	....	58	.....	.593	1.86	1.10	.....	3.5	3.3
September	29.171	29.336	28.911	.....	74.4	82.7	63.0	72.8	94	50	....	68	....	81	.....	.691	8.87	2.89	.....	4.6	4.8
October	29.236	29.535	28.875	.....	55.8	63.7	46.6	55.2	88	30	....	49	....	80	.....	.383	3.87	2.70	.....	5.6	6.5
November	29.222	29.896	28.830	.....	39.1	48.2	27.4	37.8	82	6	....	30	....	69	.....	.176	2.49	1.01	.....	4.1	5.1
December	29.253	29.590	28.980	.....	38.0	43.5	26.7	35.1	58	2	....	29	....	71	.....	.167	2.94	1.00	.....	3.7	5.5
Year	29.206	29.896	28.587	.....	58.9	66.4	45.1	55.7	105	−8	....	46	....	66	.....	.378	36.11	2.70	.....	4.4	4.9

Annual meteorological summary for the year ending December 31, 1911—Continued.

CHICAGO, ILL.

[H=823 ft.; h_1=140 ft.; h_2=133 ft.; h_3=310 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	15.7	S.	62	SW.	4	3	3	0	3	18	13	12	10	0	3	7	21	10	5	12	5	0	3	10	0	23	0	0
February	15.7	SW.	48	E.	4	4	6	2	5	8	10	13	8	0	8	5	15	9	8	10	6	0	3	8	0	18	0	0
March	15.7	S.	48	W.	4	4	7	5	7	9	10	9	11	0	11	9	11	8	8	9	5	0	0	2	0	17	0	0
April	13.4	NE.	46	W.	1	11	11	6	11	7	3	5	6	0	10	5	15	14	13	2	1	0	4	0	0	4	4	0
May	13.1	SW.	38	S.	0	5	9	6	9	6	19	5	3	0	13	10	8	12	8	2	1	0	0	0	6	0	6	0
June	11.7	SW.	34	SW.	0	4	8	12	8	4	11	8	5	0	12	9	9	10	7	0	0	0	0	0	5	0	6	0
July	11.8	SW.	48	W.	3	5	3	5	7	13	18	7	4	0	15	13	3	11	9	0	0	2	1	0	9	0	7	0
August	10.8	NE.	36	NW.	0	7	14	12	3	3	12	5	6	0	13	13	5	12	10	0	0	0	0	0	2	0	7	0
September	11.5	NE.	59	SW.	1	8	13	5	11	7	7	5	4	0	9	11	10	16	13	0	0	0	2	0	0	0	10	0
October	12.8	W.	44	W.	5	4	8	7	4	10	8	10	11	0	7	9	15	12	10	1	0	0	3	0	0	0	3	0
November	16.9	W.	48	S.	5	0	0	1	9	10	13	19	8	0	5	14	11	14	9	12	5	0	0	3	0	20	1	0
December	14.4	SW.	47	S.	3	2	1	6	4	11	19	17	2	0	8	9	14	16	11	10	8	1	4	3	0	20	0	0
Year	13.6	SW.	62	SW.	30	57	83	67	81	106	143	115	78	0	114	114	137	144	111	58	31	3	20	26	22	102	54	0

CINCINNATI, OHIO.

[H=628 ft.; h_1=152 ft.; h_2=145 ft.; h_3=160 ft.]

January	7.7	SW.	36	W.	0	5	5	2	13	5	18	7	7	0	3	6	22	14	11	7	5	0	1	6	0	21	3	0
February	8.2	NW.	30	W.	0	3	5	3	8	2	10	12	13	0	5	8	15	11	9	7	3	0	0	2	0	16	0	0
March	8.8	SW.	34	W.	0	6	6	6	9	0	15	11	9	0	9	9	13	12	9	6	2	0	0	0	0	13	3	0
April	8.0	SE.	37	SW.	0	3	14	2	19	0	8	6	8	0	4	10	16	17	16	0	0	0	0	0	0	1	4	0
May	5.4	W.	30	W.	0	5	11	4	10	0	12	12	5	3	12	15	4	7	4	0	0	0	0	0	6	0	8	0
June	5.7	SW.	30	NW.	0	2	14	3	10	0	18	7	6	0	10	9	11	11	11	0	0	0	0	0	7	0	11	0
July	5.2	W.	27	W.	0	6	9	5	12	1	11	12	5	1	10	15	6	9	7	0	0	0	0	0	12	0	11	0
August	4.9	SE.	32	W.	0	10	9	9	13	3	8	3	6	1	6	9	16	9	9	0	0	0	1	0	0	0	3	0
September	5.7	SE.	22	SW.	0	6	14	4	16	0	9	4	5	2	6	17	7	12	11	0	0	0	2	0	0	0	8	0
October	5.5	NE.	24	W.	0	8	14	8	10	1	6	3	7	3	6	11	14	14	13	0	0	0	6	0	0	0	5	0
November	9.0	W.	35	W.	0	2	6	5	11	2	12	13	9	0	7	6	17	8	8	6	3	0	0	3	0	18	2	0
December	7.0	SE.	30	SW.	0	1	9	8	19	4	7	10	4	0	5	4	22	16	11	3	2	0	1	1	0	13	0	0
Year	6.8	SE.	37	SW.	0	57	116	59	150	18	134	102	84	10	83	119	163	140	119	29	15	0	11	12	34	82	58	0

CLEVELAND, OHIO.

[H=762 ft.; h_1=190 ft.; h_2=163 ft.; h_3=201 ft.]

January	16.9	S.	60	SW.	5	5	3	1	12	15	9	13	4	0	7	2	22	18	9	14	8	1	3	11	0	25	0	0
February	15.5	SW.	48	W.	1	5	3	2	10	7	12	10	7	0	5	5	18	14	8	15	8	0	1	8	0	23	0	0
March	18.0	SE.	59	SW.	6	5	4	1	22	5	11	9	5	0	7	10	14	16	14	17	11	0	0	5	0	26	1	0
April	14.6	SE.	47	S.	4	6	8	2	14	9	4	11	6	0	8	9	13	15	12	5	2	0	0	1	0	5	1	0
May	11.1	SE.	60	NW.	4	6	6	2	13	12	7	8	7	1	14	13	4	12	7	1	0	1	0	0	0	0	7	0
June	10.7	W.	45	SW.	2	11	6	2	9	6	7	10	9	0	9	13	8	10	6	0	0	0	0	0	2	0	5	0
July	10.8	S.	52	W.	3	3	11	0	10	15	11	5	7	0	15	11	5	7	4	0	0	0	0	0	3	0	4	0
August	10.2	SE.	35	NW.	0	10	12	3	17	5	3	5	6	1	8	14	9	11	8	0	0	0	1	0	1	0	7	0
September	12.0	N.	45	W.	2	9	12	3	13	6	6	5	6	0	11	10	9	11	9	0	0	0	0	0	0	0	5	0
October	13.1	SE.	54	NW.	3	8	12	1	20	5	9	3	4	0	9	5	17	12	11	0	0	0	3	0	0	0	2	0
November	19.3	SW.	58	SW.	10	0	2	2	14	16	13	10	3	0	1	7	22	16	10	12	11	0	0	4	0	18	0	0
December	15.5	SE.	54	W.	4	3	5	3	20	7	11	10	3	0	3	6	22	20	14	13	8	0	3	4	0	18	0	0
Year	14.0	SE.	60	SW.	44	71	84	22	174	108	103	99	67	2	97	105	163	162	112	77	48	2	11	33	6	115	32	0

COLUMBIA, MO.

[H=784 ft.; h_1=11 ft.; h_2=3 ft.; h_3=84 ft.]

January	9.7	S.	39	NW.	0	5	0	2	5	5	6	4	4	0	3	14	14	7	5	4	1	0	0	7	0	22	2	0
February	9.7	S.	37	SW.	0	4	3	2	4	2	5	5	3	0	10	10	8	9	8	5	3	0	0	5	0	19	1	0
March	10.5	SE.	37	SW.	0	4	2	5	2	8	4	4	3	0	14	14	3	10	7	2	2	0	0	0	0	17	2	0
April	9.5	E.	31	S.	0	2	5	5	6	4	0	5	3	0	8	11	11	11	8	0	0	1	0	0	0	2	5	0
May	7.4	S	28	SW.	0	3	4	1	5	11	3	2	2	0	20	7	4	7	5	0	0	0	0	0	0	6	6	0
June	7.2	S.	35	S.	0	1	2	4	7	6	1	3	6	0	19	10	1	6	6	0	0	0	0	0	17	0	7	0
July	6.7	S.	27	NW.	0	3	3	2	7	11	2	1	2	0	12	14	5	8	4	0	0	0	0	0	17	0	6	0
August	6.0	SE.	20	N.	0	2	3	7	9	7	1	1	1	0	21	7	3	5	5	0	0	0	0	0	12	0	8	0
September	6.4	S.	38	NW.	0	5	2	5	5	8	2	3	0	0	15	7	8	12	11	0	0	0	0	0	0	9	9	0
October	7.0	S.	23	SW.	0	3	1	5	7	3	3	4	3	0	6	11	14	13	8	1	0	0	1	0	0	3	2	0
November	10.2	S.	41	NW.	1	2	1	1	6	8	1	9	2	0	11	10	9	8	4	3	1	0	1	3	0	21	2	0
December	8.1	SE.	33	SW.	0	1	4	4	7	6	4	4	1	0	9	15	7	10	9	7	4	0	5	2	0	25	0	0
Year	8.2	S.	41	NW.	1	37	30	40	73	73	36	45	31	0	148	130	87	106	84	23	13	2	7	17	61	109	50	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

COLUMBIA, S. C.

[ϕ=34° 00′ N.; λ=81° 3′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.869	30.335	29.433	42.6	52.1	60.0	39.1	49.6	75	22	37	39	80	63	0.237	0.259	1.52	1.12	5.9	3.5	4.7
February	29.774	30.177	29.372	44.4	53.6	61.7	42.1	51.9	77	25	38	40	79	64	.247	.267	.94	.74	5.5	3.6	4.9
March	29.712	30.139	29.187	47.0	58.3	66.5	43.2	54.8	84	31	36	35	65	45	.234	.218	1.15	.89	5.3	3.5	4.0
April	29.746	30.129	29.379	56.4	65.0	72.7	51.7	62.2	87	40	46	46	69	53	.328	.332	1.84	.50	6.3	5.1	5.9
May	29.690	29.928	29.487	66.9	76.5	84.8	60.9	72.8	99	43	56	51	69	44	.474	.402	.70	.65	4.3	4.0	4.2
June	29.603	29.791	29.312	75.2	81.5	92.4	69.6	81.0	99	62	65	63	73	57	.633	.591	6.41	4.13	5.7	5.7	5.3
July	29.684	29.896	29.469	74.9	80.1	89.6	70.0	79.8	95	60	67	66	77	64	.668	.645	2.30	.72	6.2	6.2	6.9
August	29.639	29.822	29.456	74.7	78.6	89.2	70.5	79.8	96	63	70	68	85	73	.727	.700	6.03	1.33	5.9	6.2	6.4
September	29.697	29.885	29.445	73.1	78.3	88.4	69.8	79.1	94	64	68	68	86	73	.697	.701	6.10	2.19	5.8	3.8	5.4
October	29.689	29.991	29.403	61.4	67.3	75.6	58.3	67.0	92	46	57	59	86	76	.486	.509	6.03	1.97	7.5	4.8	6.1
November	29.755	30.214	29.314	45.6	51.2	60.1	40.3	50.2	77	25	39	38	77	63	.264	.252	3.05	1.23	6.1	4.6	5.7
December	29.811	30.163	29.457	42.7	51.4	58.6	39.8	49.2	72	27	37	39	81	66	.243	.260	6.09	2.44	5.7	5.2	6.1
Year	29.722	30.335	29.187	58.7	66.2	75.0	54.6	64.8	99	22	51	51	78	62	.436	.428	42.76	4.13	5.8	4.7	5.5

COLUMBUS, OHIO.

[ϕ=39° 58′ N.; λ=83° 0′ W.]

January	29.231	29.746	28.679	31.0	35.5	41.5	25.5	33.5	58	4	27	28	83	72	0.164	0.170	4.46	0.86	7.8	6.9	7.4
February	29.243	29.651	28.806	31.2	36.6	42.4	28.3	35.4	67	16	26	28	82	72	.152	.166	1.71	.65	7.3	6.9	6.7
March	29.152	29.668	28.503	34.3	40.7	47.9	28.7	38.3	68	7	26	26	71	58	.148	.147	2.36	.88	6.0	4.4	5.4
April	29.220	29.686	28.689	44.6	51.6	57.8	40.3	49.0	79	25	36	37	74	61	.231	.241	4.37	.77	5.7	6.8	5.7
May	29.199	29.534	28.719	62.9	72.5	79.7	57.4	68.6	94	33	51	51	67	48	.404	.402	1.15	.32	4.1	4.5	2.4
June	29.113	29.358	28.845	67.8	76.2	82.9	62.8	72.8	98	52	58	58	71	57	.451	.498	4.04	1.47	4.3	5.3	3.8
July	29.180	29.377	28.846	70.4	78.2	86.7	64.7	75.7	104	52	59	58	67	53	.510	.501	3.29	1.46	2.3	5.3	3.9
August	29.159	29.335	29.024	68.5	75.8	83.4	64.4	73.9	98	51	62	61	79	63	.558	.547	3.62	1.46	5.5	5.1	5.4
September	29.199	29.409	28.937	63.4	70.7	77.8	59.9	68.8	88	47	58	60	84	69	.502	.521	5.98	2.09	6.9	4.0	5.3
October	29.204	29.543	28.804	49.0	56.2	62.6	45.0	54.1	82	32	45	48	88	74	.317	.352	5.21	2.69	5.7	6.0	6.1
November	29.178	29.783	28.558	34.3	39.3	45.2	31.3	38.2	70	14	29	31	81	71	.169	.188	2.71	1.14	7.9	6.8	7.2
December	29.260	29.672	28.615	34.5	38.8	43.6	31.1	37.4	62	12	31	32	85	76	.181	.190	4.53	1.23	8.2	6.8	7.4
Year	29.199	29.783	28.503	49.3	56.0	62.6	45.0	53.8	104	4	42	43	78	64	.319	.327	43.43	2.69	6.0	5.7	5.6

CONCORD, N. H.

[ϕ=43° 12′ N.; λ=71° 32′ W.]

January	29.783	30.290	28.784	20.5	.....	33.1	14.4	23.8	57	− 2	15	....	78	....	0.100	.....	1.68	0.76	6.0	.....	6.7
February	29.765	30.248	29.199	16.2	.....	29.5	10.4	20.0	52	− 9	10	....	77	....	.072	.....	3.02	.93	6.7	.....	6.1
March	29.633	30.401	28.660	23.8	.....	39.4	18.8	29.1	60	− 3	15	....	70	....	.096	.....	4.01	1.12	5.1	.....	5.0
April	29.804	30.396	29.323	39.3	.....	54.5	30.2	42.4	85	15	26	....	58	....	.150	.....	1.46	.69	3.7	.....	4.4
May	29.713	30.115	29.197	59.2	.....	75.6	47.6	61.6	98	26	46	....	64	....	.339	.....	1.57	.40	4.5	.....	4.7
June	29.617	29.935	29.274	62.7	.....	74.0	51.4	62.7	87	44	53	....	72	....	.410	.....	1.87	.80	5.6	.....	6.1
July	29.670	29.965	29.367	71.5	.....	86.0	60.4	73.2	102	49	61	....	72	....	.553	.....	3.45	2.29	4.2	.....	5.2
August	29.716	30.000	29.270	63.1	.....	77.7	55.0	66.4	92	44	57	....	82	....	.476	.....	4.24	2.05	6.5	.....	6.0
September	29.748	30.149	29.268	54.4	.....	69.6	46.4	58.0	86	29	49	....	83	....	.354	.....	2.93	.73	5.7	.....	5.3
October	29.790	30.269	29.444	42.3	.....	57.3	36.9	47.1	70	23	37	....	84	....	.233	.....	3.73	1.62	5.3	.....	5.9
November	29.644	30.111	29.028	32.3	.....	44.7	27.6	36.2	67	19	27	....	86	....	.155	.....	3.03	.78	5.4	.....	6.3
December	29.790	30.197	29.023	29.5	.....	40.3	25.9	33.1	65	10	25	....	82	....	.143	.....	3.14	1.57	6.3	.....	6.0
Year	29.723	30.401	28.660	42.9	.....	56.8	35.4	46.1	102	− 9	35	....	75	....	.258	.....	34.13	2.29	5.4	.....	5.6

CONCORDIA, KANS.

[ϕ=39° 35′ N.; λ=97° 41′ W.]

January	28.634	29.141	28.097	24.2	32.6	41.0	20.2	30.6	78	−14	20	23	82	68	0.116	0.127	0.09	0.04	5.6	6.5	7.5
February	28.658	29.289	28.050	27.4	36.1	44.6	24.0	34.3	71	6	23	27	82	70	.129	.149	3.19	1.92	6.4	5.4	6.0
March	28.573	29.027	28.057	36.6	52.1	59.8	33.8	46.8	81	13	28	30	71	44	.159	.171	.79	.43	4.5	4.1	4.8
April	28.510	28.980	27.952	43.8	59.6	65.4	40.1	52.8	86	29	35	34	72	43	.213	.212	1.78	1.38	5.4	6.1	5.4
May	28.483	28.891	27.910	59.0	72.3	77.0	55.6	66.3	94	31	49	50	71	49	.362	.381	2.94	1.06	6.0	6.8	6.0
June	28.441	28.693	28.074	70.5	80.1	93.8	66.9	80.4	110	55	58	55	66	33	.495	.442	.85	.48	4.7	3.6	4.2
July	28.525	28.838	28.251	70.7	84.9	90.5	67.3	78.9	107	51	61	60	73	47	.539	.538	2.77	1.12	4.9	5.3	5.5
August	28.521	28.802	28.261	66.3	82.4	88.1	63.5	75.8	106	48	60	61	80	51	.528	.560	5.78	1.63	5.5	4.0	4.8
September	28.512	28.796	28.201	63.8	75.9	84.5	60.7	72.6	103	42	58	60	82	60	.494	.523	3.27	1.16	5.0	5.0	5.9
October	28.579	28.986	28.018	46.3	55.2	63.2	42.9	53.0	86	28	40	43	79	65	.267	.296	.35	.11	5.5	5.3	6.1
November	28.582	29.379	28.034	29.0	38.4	49.3	25.6	37.4	71	4	25*	28	83	68	.134	.160	.46	.45	5.1	3.2	4.9
December	28.578	28.901	28.107	25.1	31.8	39.1	21.9	30.5	59	− 7	21	24	84	72	.120	.134	2.01	1.07	4.1	4.1	4.7
Year	28.550	29.379	27.910	46.9	59.2	66.4	43.5	55.0	110	−14	40	41	77	56	.296	.308	24.28	1.92	5.2	5.0	5.5

Annual meteorological summary for the year ending December 31, 1911—Continued.

COLUMBIA, S. C.

[H=351 ft.; h_t=41 ft.; h_r=32 ft.; h_a=57 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	7.7	SW.	30	SW.	0	4	17	2	3	2	18	10	5	1	13	10	8	6	6	0	0	0	2	0	0	7	0	0
February	6.5	SW.	24	W.	0	7	10	10	1	2	12	7	6	1	11	9	8	6	4	0	0	0	4	0	0	3	0	0
March	9.2	W.	40	SW.	3	5	13	4	5	6	12	13	4	0	17	8	6	7	4	0	0	0	1	0	0	2	4	0
April	8.6	SW.	40	SW.	1	5	14	12	6	4	15	4	0	0	8	9	13	12	9	0	0	0	0	0	0	0	4	0
May	7.1	S.	33	SW.	0	4	14	7	7	17	8	2	3	0	16	11	4	2	2	0	0	0	0	0	8	0	5	0
June	6.2	SW.	33	SW.	0	9	8	3	1	12	19	5	2	1	8	16	6	9	6	0	0	1	0	0	27	0	14	0
July	5.7	SW.	36	SW.	0	3	6	5	2	13	21	8	4	0	2	14	15	14	12	0	0	0	0	0	16	0	10	0
August	6.4	SW.	28	E.	0	2	8	9	9	8	16	5	4	1	3	18	10	16	13	0	0	2	1	0	15	0	17	0
September	4.9	SW.	22	NE.	0	4	9	12	7	6	13	6	2	1	5	21	4	8	8	0	0	0	2	0	13	0	7	0
October	5.9	NE.	22	NE.	0	5	26	10	5	5	7	3	1	0	8	11	12	10	9	0	0	0	1	0	2	0	2	0
November	7.2	NE.	30	SW.	0	5	17	7	3	1	7	15	3	2	11	6	13	11	7	0	0	0	0	0	0	7	0	0
December	6.7	NE.	30	W.	0	10	21	9	3	2	6	7	4	0	9	8	14	12	10	0	0	0	2	0	0	7	1	0
Year	6.8	NE.	40	SW.	4	63	163	90	52	78	154	85	38	7	111	141	113	113	90	0	0	3	13	0	81	26	64	0

COLUMBUS, OHIO.

[H=824 ft.; h_t=173 ft.; h_r=171 ft.; h_a=222 ft.]

January	12.1	SW.	60	W.	2	7	3	1	10	14	12	6	9	0	5	8	18	15	12	11	5	0	2	9	0	22	2	0
February	12.8	NW.	43	W.	1	7	2	5	9	2	11	10	10	0	5	11	12	10	8	10	5	0	1	6	0	22	1	0
March	13.7	W.	49	NW.	6	10	4	4	11	6	6	13	8	0	12	7	12	16	10	10	6	1	0	1	0	21	2	0
April	12.8	N.	60	W.	3	16	2	7	13	9	3	7	3	0	7	9	14	19	16	3	2	0	0	0	0	4	4	0
May	9.7	N.	52	W.	2	12	7	5	4	7	11	10	6	0	23	7	1	9	8	1	0	0	0	0	7	0	8	0
June	9.7	N.	40	NE.	2	14	4	5	5	12	7	7	6	0	16	7	7	9	8	0	0	0	0	0	4	0	7	0
July	8.2	N.	63	W.	3	9	7	6	9	15	8	5	3	0	16	11	4	11	6	0	0	0	0	0	8	10	9	0
August	8.3	SW.	60	W.	1	8	10	5	5	8	10	7	9	0	10	12	9	11	11	0	0	0	0	0	8	0	7	0
September	9.2	E.	40	W.	1	7	8	11	8	6	6	6	8	0	10	10	10	13	10	0	0	0	0	0	0	0	8	0
October	9.2	SE.	45	NW.	2	15	7	3	15	4	3	11	3	1	7	11	13	11	10	0	0	0	0	3	0	0	1	3
November	12.2	W.	46	W.	2	1	1	5	8	9	7	18	11	0	6	8	16	12	8	9	6	0	0	2	0	18	2	0
December	11.9	S.	50	W.	2	4	2	6	10	18	4	12	6	0	6	4	21	18	13	7	4	0	0	2	0	16	0	0
Year	10.8	W.	63	W.	27	110	57	63	107	110	88	112	82	1	123	105	137	154	120	51	28	1	6	20	29	104	53	0

CONCORD, N. H.

[H=288 ft.; h_t=70 ft.; h_r=62 ft.; h_a=79 ft.]

January	5.9	NW.	36	NW.	0	6	1	1	1	2	3	2	15	0	6	8	17	14	8	11	5	0	4	15	0	31	0	1
February	6.3	NW.	30	W.	0	8	3	1	1	2	1	3	9	0	9	6	13	11	9	16	11	0	0	18	0	28	0	0
March	7.2	NW.	32	SW.	0	7	2	0	4	1	6	2	9	0	13	8	10	13	11	11	8	0	1	6	0	29	0	0
April	6.0	NW.	28	W.	0	2	10	2	1	1	1	4	9	0	13	11	6	5	4	7	3	0	1	1	0	22	0	0
May	5.6	SE.	29	W.	0	5	7	5	4	2	2	3	2	1	13	11	7	8	8	1	0	1	1	0	5	3	7	0
June	5.3	NW.	30	W.	0	6	7	2	3	0	2	4	5	1	7	12	11	10	10	0	0	0	0	0	0	0	5	0
July	4.8	NW.	24	.....	0	6	3	2	5	3	5	2	5	0	8	15	8	7	4	0	0	0	1	0	9	0	7	0
August	4.2	SE.	21	NW.	0	1	8	9	1	3	2	1	6	0	9	13	9	10	7	0	0	0	7	0	1	0	5	0
September	4.8	NW.	24	NW.	0	5	6	3	3	2	1	0	7	3	7	17	6	13	10	1	0	0	11	0	0	1	4	0
October	4.5	NW.	26	NW.	0	9	7	3	3	1	0	3	6	0	10	7	14	12	11	1	1	0	6	0	0	8	0	1
November	6.5	W.	29	SW.	0	4	1	3	4	1	5	5	7	0	5	14	11	13	9	8	3	0	1	1	0	22	0	0
December	5.4	NW.	33	W.	0	8	2	4	3	1	2	5	5	1	8	8	15	8	6	6	3	0	3	5	0	25	0	0
Year	5.5	NW.	36	NW.	0	67	57	35	33	19	30	34	84	6	108	130	127	124	97	62	34	1	36	46	15	169	28	2

CONCORDIA, KANS.

[H=1,398 ft.; h_t=42 ft.; h_r=35 ft.; h_a=50 ft.]

January	7.5	S.	26	N.	0	10	10	4	6	9	12	6	3	2	2	14	15	4	1	5	2	0	1	9	0	28	0	0
February	8.1	N.	29	SW.	0	16	9	2	6	6	8	3	5	1	6	12	10	6	6	3	2	0	0	5	0	22	2	0
March	8.7	S.	37	NW.	0	10	6	4	9	9	9	6	6	3	12	10	9	4	3	2	2	0	2	0	0	14	4	0
April	9.0	SE.	32	S.	0	7	7	7	14	8	5	8	4	0	5	16	9	8	3	3	0	0	1	0	0	4	4	0
May	10.2	S.	39	NW.	0	4	4	6	5	23	12	4	3	1	5	17	9	9	5	1	0	0	0	0	0	7	1	0
June	8.3	S.	32	SE.	0	5	5	8	11	20	1	2	6	2	13	15	2	5	4	0	0	0	0	0	22	0	5	0
July	6.7	S.	26	N.	0	6	6	8	10	22	2	2	5	1	4	24	3	12	8	0	0	0	0	0	17	0	12	0
August	5.8	S.	34	W.	0	8	12	8	14	15	2	0	2	1	11	13	7	10	8	0	0	0	0	0	13	0	9	0
September	6.8	S.	27	W.	0	7	7	11	12	14	1	1	5	2	6	15	9	9	7	0	0	0	1	3	0	12	5	0
October	6.5	NW.	26	NW.	0	9	5	10	5	8	6	3	7	9	5	15	11	5	4	0	0	0	0	0	0	4	1	0
November	8.8	NW.	31	S.	0	10	1	4	8	9	9	7	12	0	10	13	7	2	1	6	1	0	0	3	0	21	0	0
December	6.7	S.	28	S.	0	6	3	7	4	11	9	10	9	3	12	9	10	6	5	6	4	0	2	7	0	29	0	0
Year	7.8	S.	39	NW.	0	98	75	79	104	154	76	52	67	25	91	173	101	80	55	26	11	2	8	24	71	123	44	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

CORPUS CHRISTI, TEX.

[ϕ=27° 49′ N.; λ=97° 25′ W.]

Month.	Pressure.			Temperature.							Moisture.											
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.	
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	30.162	30.613	29.809	57.3	60.8	68.0	55.1	61.6	84	21	53	56	87	86	0.457	0.491	0.24	0.14	6.7	3.4	5.6	
February	30.057	30.736	29.752	60.0	64.6	69.3	58.6	64.0	80	37	56	57	86	78	.493	.521	.72	.38	6.8	5.5	6.8	
March	30.042	30.286	29.747	63.6	68.0	72.9	62.0	67.4	83	45	59	62	86	82	.521	.571	2.64	1.29	7.5	5.6	6.2	
April	29.892	30.234	29.442	69.3	73.0	77.3	67.2	72.2	92	55	66	67	89	82	.652	.673	3.95	1.13	7.2	6.0	6.7	
May	29.968	30.163	29.637	72.5	76.3	79.5	70.6	75.0	90	57	67	68	83	75	.661	.681	3.74	2.25	4.9	3.9	4.1	
June	29.931	30.064	29.789	77.5	82.7	87.7	75.7	81.7	97	72	73	73	87	74	.816	.825	1.00	1.00	1.5	2.2	2.1	
July	29.980	30.183	29.836	78.1	82.4	86.5	77.1	81.8	92	71	74	73	88	74	.842	.822	2.04	1.96	4.5	4.1	4.0	
August	29.921	30.024	29.825	78.1	83.4	87.9	77.4	82.6	92	73	75	74	89	74	.856	.849	.....	.....	2.5	1.9	2.4	
September	29.959	30.056	29.846	79.0	83.5	88.0	77.9	83.0	92	72	75	76	88	77	.875	.886	1.77	.66	2.6	2.4	3.1	
October	29.986	30.285	29.774	68.7	74.5	80.0	67.1	73.6	89	47	63	64	82	72	.602	.641	.86	.32	5.3	4.8	4.6	
November	30.125	30.666	29.758	55.8	61.1	67.9	53.0	60.4	83	29	48	49	75	67	.394	.410	1.49	.96	6.9	5.3	6.5	
December	30.058	30.521	29.652	51.4	56.8	62.0	49.5	55.8	76	35	48	51	89	82	.355	.387	3.65	1.08	6.1	6.6	7.4	
Year	30.007	30.736	29.442	67.6	72.3	77.2	65.9	71.6	97	21	63	64	86	77	.627	.646	22.10	2.25	5.2	4.3	5.0	

DAVENPORT, IOWA.

[ϕ=41° 30′ N.; λ=90° 38′ W.]

January	29.465	29.921	28.812	21.3	27.3	33.0	15.8	24.4	56	−11	18	22	86	82	0.110	0.132	1.41	0.78	7.6	5.7	7.9	
February	29.471	30.072	28.733	25.7	32.9	39.0	23.0	31.0	58	3	22	25	83	73	.123	.139	4.10	1.34	5.1	6.0	5.6	
March	29.374	29.878	28.830	32.8	43.6	50.6	30.8	40.7	74	14	25	27	70	54	.137	.159	1.08	.49	4.0	4.3	4.5	
April	29.387	29.907	28.787	42.7	52.3	56.6	39.7	48.2	71	23	36	38	77	62	.222	.251	3.63	.94	5.1	7.0	5.6	
May	29.335	29.771	28.824	61.1	73.7	78.8	57.1	68.0	93	33	51	51	70	48	.397	.408	2.25	1.33	4.4	5.8	4.0	
June	29.278	29.501	29.004	69.6	82.2	87.1	65.1	76.1	98	52	60	60	72	48	.524	.527	2.00	.99	4.0	4.6	3.9	
July	29.332	29.574	28.947	70.1	82.1	87.4	66.0	76.7	104	51	58	55	67	43	.502	.459	5.12	2.73	3.7	3.6	3.3	
August	29.351	29.640	29.136	65.3	76.8	82.5	62.2	72.4	94	49	59	62	82	61	.520	.567	4.92	1.80	3.9	4.2	4.0	
September	29.367	29.648	29.088	61.0	69.0	76.6	57.7	67.2	95	45	57	59	88	73	.480	.519	5.13	1.49	6.0	5.2	5.9	
October	29.400	29.788	28.920	46.1	52.6	59.4	42.7	51.0	84	28	43	45	88	77	.291	.319	1.57	.56	6.0	4.5	5.8	
November	29.351	30.175	28.604	28.8	33.6	40.5	24.0	32.2	76	5	25	27	84	76	.149	.156	3.84	1.70	4.7	5.1	6.1	
December	29.421	29.888	28.755	29.1	33.5	39.6	26.4	33.0	59	−1	26	28	86	78	.146	.156	1.52	.78	4.9	4.6	5.4	
Year	29.378	30.175	28.604	46.1	55.0	60.9	42.5	51.7	104	−11	40	42	79	65	.300	.316	36.57	2.73	5.0	5.0	5.2	

DAYTON, OHIO.

[ϕ=39° 46′ N.; λ=84° 10′ W.]

January	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
February	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
March	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
April	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
May	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
June	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
July [1]	29.089	29.288	28.711	67.3	76.2	83.2	61.2	72.2	91	52	57	54	70	49	0.476	0.439	1.51	0.66	.....	.....	.....	
August	29.074	29.267	28.939	68.0	76.6	83.7	64.0	73.8	98	48	62	61	83	62	.574	.552	3.25	1.05	6.1	5.8	5.5	
September	29.115	29.342	28.883	64.1	71.9	78.8	60.7	69.8	88	48	60	60	85	68	.518	.531	4.19	1.38	6.2	4.8	5.8	
October	29.117	29.464	28.732	49.3	56.7	63.4	46.0	54.7	83	32	47	48	91	74	.334	.354	4.34	1.76	6.6	4.6	7.1	
November	29.107	29.718	28.487	34.3	38.9	45.2	30.7	38.0	69	13	31	33	86	80	.182	.202	2.26	.62	7.3	6.0	7.4	
December	29.177	29.583	28.519	35.5	39.0	43.8	31.7	37.8	63	14	31	33	83	78	.185	.196	3.13	.94	7.6	6.1	7.6	
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

[1] For 22 days only.

DEL RIO, TEX.

[ϕ=29° 20′ N.; λ=100° 53′ W.]

January	29.143	29.658	28.852	47.3	.....	69.3	44.5	56.9	92	14	41	.....	78	.....	0.302	.....	0.15	0.13	5.8	.....	5.6	
February	29.051	29.760	28.763	51.4	.....	69.6	47.7	58.6	89	28	45	.....	80	.....	.338	.....	2.29	1.65	7.0	.....	5.7	
March	29.047	29.302	28.772	57.1	.....	78.3	55.4	66.8	95	38	52	.....	83	.....	.396	.....	1.59	.51	6.1	.....	5.0	
April	28.901	29.297	28.694	61.1	.....	80.0	59.4	69.7	95	47	57	.....	86	.....	.485	.....	2.85	1.36	7.3	.....	6.3	
May	28.959	29.153	28.639	67.6	.....	87.7	66.6	77.2	101	54	60	.....	78	.....	.534	.....	.27	.27	7.2	.....	5.6	
June	28.920	29.047	28.838	75.0	.....	99.2	74.6	86.9	105	70	64	.....	69	.....	.602	.....	T.	T.	2.5	.....	2.1	
July	28.956	29.254	28.818	75.9	.....	97.4	75.2	86.3	106	67	67	.....	73	.....	.656	.....	.54	.28	4.5	.....	3.8	
August	28.909	29.043	28.857	77.0	.....	101.5	76.5	89.0	106	72	65	.....	68	.....	.628	.....	1.14	1.04	2.2	.....	2.8	
September	28.963	29.048	28.868	75.4	.....	98.4	75.1	86.8	103	72	67	.....	76	.....	.670	.....	.36	.36	2.2	.....	2.4	
October	29.009	29.318	28.827	61.8	.....	81.5	60.0	70.8	97	34	54	.....	76	.....	.451	.....	1.11	.70	6.3	.....	4.9	
November	29.132	29.620	28.825	45.6	.....	64.9	42.4	53.6	86	18	40	.....	82	.....	.285	.....	2.65	1.85	5.2	.....	5.2	
December	29.054	29.452	28.779	41.5	.....	60.5	39.0	49.8	76	24	35	.....	78	.....	.217	.....	2.23	1.22	4.9	.....	5.4	
Year	29.004	29.760	28.639	61.4	.....	82.4	59.7	71.0	106	14	54	.....	77	.....	.464	.....	15.18	1.85	5.1	.....	4.6	

Annual meteorological summary for the year ending December 31, 1911—Continued.

CORPUS CHRISTI, TEX.

[H=20 ft.; h_t=69 ft.; h_r=61 ft.; h_a=77 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	11.7	SE.	38	NW.	0	14	3	14	16	10	2	1	2	0	8	13	10	3	3	0	0	0	6	0	0	3	0	0
February	16.7	SE.	49	S.	3	14	0	7	24	7	0	1	3	0	1	17	10	4	3	0	0	0	1	0	0	0	0	0
March	13.5	SE.	42	SE.	1	15	5	8	20	7	1	1	5	0	8	10	13	8	6	0	0	0	1	0	0	0	3	0
April	16.3	SE.	45	SE.	3	11	3	12	26	3	2	0	3	0	5	11	14	9	6	0	0	0	1	0	1	0	4	0
May	16.1	SE.	46	NE.	2	5	7	17	27	2	1	0	3	0	15	11	5	10	7	0	0	1	0	0	0	0	4	0
June	14.6	SE.	49	NE.	1	0	1	4	28	23	4	0	0	0	27	2	1	1	1	0	0	0	0	0	8	0	3	0
July	16.1	SE.	40	SE.	1	0	1	3	39	16	2	0	1	0	16	11	4	5	2	0	0	0	0	0	3	0	1	0
August	14.5	SE.	36	SE.	0	2	0	1	32	23	1	0	3	0	25	5	1	0	0	0	0	0	0	0	2	0	0	0
September	13.5	SE.	34	SE.	0	1	1	7	35	13	0	0	3	0	18	12	0	9	7	0	0	0	1	0	1	0	5	0
October	12.5	N.	40	E.	1	14	7	11	12	7	2	1	8	0	13	10	8	12	4	0	0	0	0	0	0	0	3	0
November	12.6	N.	51	N.	1	15	6	7	13	3	2	0	14	0	6	9	15	6	3	0	0	0	1	0	0	2	1	0
December	10.2	NW.	35	SE.	0	12	9	11	7	4	0	4	15	0	7	4	20	13	10	0	0	0	5	0	0	0	0	0
Year	14.0	SE.	51	N.	13	103	43	102	279	118	17	8	60	0	149	115	101	80	52	0	0	1	15	0	15	5	24	0

DAVENPORT, IOWA.

[H=606 ft.; h_t=71 ft.; h_r=65 ft.; h_a=79 ft.]

January	8.1	W.	38	W.	0	5	5	4	5	5	11	13	13	1	3	8	20	10	5	10	4	0	2	15	0	29	0	0
February	8.9	W.	28	NW.	0	7	3	10	2	2	7	14	11	0	12	3	13	9	7	8	6	0	3	8	0	22	2	0
March	9.2	NW.	33	NW.	0	7	3	6	9	7	6	9	13	2	13	11	7	9	4	6	3	0	0	1	0	20	1	0
April	8.9	E.	33	NW.	0	2	9	19	8	3	1	8	9	1	14	3	13	16	12	3	2	0	1	0	0	5	3	0
May	7.8	SW.	30	S.	0	1	6	2	7	9	19	10	7	1	17	9	5	9	7	0	0	0	0	0	3	0	9	0
June	7.0	SW.	30	W.	0	4	5	9	4	9	12	6	10	1	17	7	6	10	8	0	0	1	0	0	12	0	11	0
July	7.0	S.	33	NW.	0	5	3	3	8	15	11	6	11	0	16	13	2	11	8	0	0	0	0	0	11	0	9	0
August	6.1	E.	30	NW.	0	7	6	16	5	5	11	1	10	1	14	14	3	12	11	0	0	1	0	0	2	0	11	0
September	6.7	E.	31	SE.	0	5	8	14	9	3	6	4	9	2	9	7	14	14	11	0	0	0	1	0	2	0	12	0
October	6.9	NW.	28	SW.	0	6	8	11	3	6	5	11	12	0	11	6	14	9	6	1	0	0	2	0	0	4	1	0
November	10.0	W.	34	NW.	0	0	1	6	6	6	9	17	15	0	10	6	14	11	10	10	4	0	0	7	0	24	3	0
December	7.9	SW.	40	SW.	1	4	1	12	2	9	11	12	9	2	10	9	12	8	5	7	5	0	1	4	0	24	0	0
Year	7.9	NW.	40	SW.	1	53	58	112	68	79	109	111	129	11	146	96	123	128	94	45	24	2	10	35	30	128	62	0

DAYTON, OHIO.

[H=899 ft.; h_t=181 ft.; h_r=176 ft.; h_a=216 ft.]

January	.....	.....	...	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
February	.....	.....	...	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
March	.....	.....	...	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
April	.....	.....	...	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
May	.....	.....	...	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
June	.....	.....	...	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
July [1]	9.2	SW.	48	SW.	2	7	3	1	5	6	11	4	7	1	...	...	...	8	6	0	0	0	0	0	1	0	5	0
August	8.0	SW.	33	SW.	0	11	11	5	6	6	14	3	4	2	11	12	8	12	10	0	0	0	4	0	7	0	7	0
September	8.7	SW.	35	W.	0	11	11	5	6	5	12	3	5	2	8	12	10	11	9	0	0	0	1	0	0	0	7	0
October	8.3	NE.	36	SW.	0	9	12	7	10	4	9	5	5	1	7	5	19	13	12	0	0	0	8	0	0	2	5	0
November	14.9	SW.	54	S.	3	2	1	3	7	8	15	11	13	0	8	4	18	11	9	7	4	0	1	3	0	20	0	0
December	11.7	S.	46	W.	3	9	7	2	7	15	12	8	2	0	6	4	21	16	11	4	4	0	3	1	0	18	0	0
Year	.....	.....	...	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[1] For 22 days only.

DEL RIO, TEX.

[H=944 ft.; h_t=8 ft.; h_r=3 ft.; h_a=57 ft.]

January	7.0	E.	28	E.	0	0	4	13	2	0	1	5	6	0	8	14	9	3	1	1	0	0	1	0	2	6	0	0
February	8.8	SE.	40	SW.	1	4	2	5	9	0	0	1	7	0	9	8	11	10	6	0	0	0	0	0	0	2	0	0
March	6.7	SE.	37	W.	0	1	6	11	7	0	1	1	4	0	10	14	7	9	8	0	0	0	0	0	7	0	3	0
April	8.0	SE.	48	W.	1	2	4	10	7	1	1	0	5	0	3	18	9	11	8	0	0	0	0	0	4	0	1	0
May	10.1	SE.	33	SE.	0	0	3	13	13	0	0	0	2	0	5	20	6	1	1	0	0	0	0	0	13	0	0	0
June	9.7	SE.	29	SE.	0	0	1	25	4	0	0	0	0	0	24	6	0	0	0	0	0	0	0	0	0	0	0	0
July	9.6	SE.	32	SE.	0	1	2	21	6	0	0	0	1	0	17	12	2	5	4	0	0	0	0	0	30	0	1	0
August	8.2	SE.	34	NW.	0	1	0	21	7	0	0	0	2	0	20	10	1	3	3	0	0	0	0	0	30	0	2	0
September	8.4	SE.	25	NW.	0	1	0	23	6	0	0	0	0	0	21	9	0	1	1	0	0	0	0	0	30	0	0	0
October	7.9	SE.	30	NE.	0	3	1	8	11	1	1	0	6	0	9	15	7	5	2	0	0	0	0	0	8	0	1	0
November	6.7	SE.	38	N.	0	3	3	6	7	0	0	1	10	0	10	12	8	10	4	0	0	0	1	0	0	4	0	0
December	7.2	NW.	38	W.	0	1	2	7	4	0	0	4	13	0	10	12	9	10	7	0	0	0	1	0	0	8	0	0
Year	8.2	E.	48	W.	2	17	28	163	83	2	4	12	56	0	146	150	69	68	45	1	0	0	3	0	154	20	8	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

DENVER, COLO.

[ϕ=39° 46′ N.; λ=105° 0′ W.]

Month.	Pressure.			Temperature.								Moisture.										Cloudiness.			
		Extremes.		Mean.					Extremes.			Dew point.		Relative humidity.		Vapor pressure.		Precipitation.							
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.		8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.			8 a. m.	8 p. m.	Daylight.	
	In.	*In.*	*In.*	°	°	°	°	°	°	°		°	°	%	%	*In.*	*In.*	*In.*	*In.*						
January	24.673	24.920	24.293	31.0	43.3	51.7	24.6	38.2	69	−17		17	19	60	40	0.097	0.106	0.12	0.11			2.6	5.5	3.7	
February	24.704	25.227	24.270	22.1	35.3	41.0	19.1	30.0	63	− 2		15	14	74	49	.084	.080	.68	.34			3.9	4.2	3.8	
March	24.718	25.058	24.308	35.7	53.8	58.3	32.0	45.2	70	14		21	20	57	30	.115	.112	.28	.12			3.5	5.4	3.8	
April	24.637	25.134	24.218	39.4	57.2	61.9	35.8	48.8	76	23		26	21	61	31	.146	.120	1.41	.46			5.6	5.1	4.4	
May	24.658	24.918	24.196	47.7	69.0	73.0	44.9	59.0	85	33		33	29	62	29	.198	.176	.52	.22			4.4	5.9	4.9	
June	24.737	25.013	24.476	59.2	79.6	84.5	56.9	70.7	95	48		44	38	59	26	.292	.236	.56	.53			3.4	6.7	4.3	
July	24.833	25.141	24.560	59.9	76.1	81.7	57.4	69.6	91	50		49	48	68	40	.349	.341	1.31	.49			3.9	6.6	5.1	
August	24.795	24.920	24.562	58.7	78.5	84.4	56.2	70.3	97	45		45	43	63	33	.304	.290	1.08	.67			3.5	5.5	4.2	
September	24.769	24.935	24.514	54.8	73.7	80.7	51.7	66.2	94	41		40	37	59	31	.254	.236	.75	.27			3.8	4.9	4.3	
October	24.772	25.035	24.280	39.0	53.9	59.3	34.6	47.0	80	17		27	29	63	45	.151	.167	.33	.27			3.5	4.6	3.9	
November	24.704	25.145	24.222	30.0	40.7	48.8	23.9	36.4	66	− 2		13	16	51	41	.081	.093	.37	.20			3.7	3.5	3.7	
December	24.646	25.040	24.214	20.8	31.5	39.7	15.2	27.4	66	− 5		10	13	61	48	.068	.076	.34	.12			3.8	2.2	3.7	
Year	24.720	25.227	24.196	41.5	57.7	63.8	37.7	50.7	97	−17		28	27	62	37	.178	.169	7.75	.67			3.8	5.0	4.2	

DES MOINES, IOWA.

[ϕ=41° 35′ N.; λ=93° 37′ W.]

January	29.190	29.627	28.676	19.0	24.7	31.6	11.7	21.6	56	−17		15	18	83	75	.096	0.108	0.84	0.43			8.9	7.4	8.5	
February	29.219	29.842	28.651	24.9	31.9	36.7	21.5	29.1	55	4		20	22	81	68	.116	.127	2.91	.94			5.8	6.1	6.4	
March	29.114	29.603	28.547	32.6	45.4	51.2	30.0	40.6	76	13		24	27	71	51	.138	.157	1.14	.45			5.5	5.6	5.4	
April	29.099	29.618	28.467	42.0	53.1	57.6	39.6	48.6	75	26		35	36	77	59	.218	.236	4.23	1.52			6.1	7.4	6.7	
May	29.045	29.482	28.420	59.8	71.6	76.6	55.2	65.9	93	34		51	51	73	51	.390	.404	2.44	.65			5.9	6.6	6.5	
June	29.003	29.260	28.658	69.9	85.2	89.1	65.9	77.5	99	52		60	60	71	45	.519	.529	.75	.44			4.6	5.7	5.1	
July	29.056	29.347	28.685	69.6	84.0	88.9	65.5	77.2	105	49		57	54	66	38	.490	.437	1.16	.40			3.6	3.9	4.9	
August	29.073	29.383	28.874	65.5	80.0	84.8	63.1	73.8	102	49		58	57	77	46	.403	.479	1.82	1.42			5.0	4.4	4.5	
September	29.096	29.329	28.725	60.4	71.2	76.9	57.2	67.0	97	46		55	58	84	65	.449	.488	7.68	2.30			6.0	4.7	6.2	
October	29.136	29.546	28.661	45.2	52.5	58.5	42.6	50.6	78	26		41	41	85	66	.275	.276	2.61	.92			5.4	5.9	5.8	
November	29.101	29.933	28.502	27.7	34.3	40.9	23.7	32.3	55	4		22	24	78	65	.127	.139	1.22	.49			7.1	5.3	6.6	
December	29.136	29.572	28.359	26.1	30.8	36.3	22.2	29.2	56	− 9		23	24	86	74	.128	.132	3.18	.90			5.5	6.0	6.3	
Year	29.105	29.933	28.359	45.2	55.4	60.7	41.5	51.1	105	−17		38	39	78	59	.287	.293	29.98	2.30			5.8	5.8	6.1	

DETROIT, MICH.

[ϕ=42° 20′ N.; λ=83° 3′ W.]

January	29.315	29.767	28.620	25.8	28.3	33.9	20.9	27.4	51	2		22	23	84	80	0.127	0.130	2.04	0.72			7.8	6.6	7.6	
February	29.295	29.730	28.882	26.7	29.1	34.9	22.7	28.8	59	12		22	23	82	78	.123	.124	2.54	1.23			7.4	7.0	7.1	
March	29.208	29.786	28.482	30.7	34.2	41.8	25.5	33.6	58	5		24	25	75	71	.132	.137	1.33	.33			6.0	5.4	5.7	
April	29.299	29.786	28.560	41.5	46.1	54.0	37.9	46.0	71	20		34	35	75	67	.209	.213	3.22	1.38			5.0	6.6	5.5	
May	29.252	29.615	28.705	59.9	66.7	75.2	54.2	64.7	92	30		48	49	65	54	.363	.378	1.78	.47			3.9	4.6	3.5	
June	29.176	29.467	28.832	65.5	72.4	78.5	60.4	69.4	95	48		57	59	75	65	.476	.507	1.48	.62			5.4	5.8	5.0	
July	29.232	29.464	28.800	69.1	76.7	83.2	64.0	73.6	100	52		55	58	63	54	.456	.500	.79	.25			2.9	4.0	4.0	
August	29.245	29.486	29.049	65.6	72.6	78.9	62.4	70.6	90	48		59	57	79	59	.507	.474	1.31	.32			5.5	5.0	4.8	
September	29.275	29.535	28.926	60.3	65.6	72.3	56.2	64.2	89	44		54	54	81	69	.429	.435	4.32	1.59			6.0	4.9	5.4	
October	29.288	29.608	28.857	47.1	51.1	57.0	44.7	50.8	70	32		42	45	82	80	.271	.306	4.30	.90			6.7	4.1	5.9	
November	29.189	29.820	28.472	32.8	35.8	41.4	29.7	35.6	65	12		28	30	81	77	.160	.175	3.58	.73			7.4	5.9	6.7	
December	29.315	29.779	28.673	31.6	34.0	38.5	29.3	33.9	59	14		28	30	85	83	.157	.169	1.94	.69			6.9	7.1	7.3	
Year	29.257	29.820	28.472	46.4	51.0	57.5	42.3	49.9	100	2		39	41	77	70	.284	.296	28.63	1.59			5.9	5.6	5.7	

DEVILS LAKE, N. DAK.

[ϕ=48° 7′ N.; λ=98° 52′ W.]

January	28.444	28.930	27.822	− 8.9	− 3.8	4.3	−15.3	− 5.5	28	−31		−11	− 7	88	85	0.025	0.033	0.83	0.22			4.8	5.0	6.3	
February	28.554	29.172	27.950	− 2.1	6.9	15.0	− 6.4	4.3	33	−23		− 4	4	90	85	.036	.051	1.42	.62			3.9	3.8	3.9	
March	28.364	28.959	27.861	21.8	30.7	38.5	17.4	28.0	56	− 4		17	23	83	71	.100	.127	.16	.07			4.6	4.7	5.0	
April	28.406	28.884	27.929	31.8	45.7	51.5	28.7	40.1	82	11		27	30	80	57	.151	.171	1.99	.95	[1]	4.4	[1]	4.6	4.5	
May	28.324	28.738	27.694	46.3	60.8	66.1	41.8	54.0	88	19		40	40	80	53	.260	.277	3.13	.86			5.4	5.7	5.5	
June	28.336	28.600	28.093	60.0	70.2	75.1	54.8	65.0	94	35		54	56	82	65	.428	.472	2.82	1.07			5.3	5.9	6.1	
July	28.384	28.726	27.964	56.8	72.0	77.3	51.1	64.2	89	39		51	50	80	49	.376	.373	2.04	.96			3.5	3.9	4.4	
August	28.436	28.751	28.040	53.9	67.5	72.0	50.9	61.4	87	37		51	52	90	61	.382	.409	5.43	2.18			5.3	4.1	5.5	
September	28.430	28.715	28.082	45.6	56.5	63.6	43.2	53.4	82	33		42	43	88	62	.272	.286	2.22	.63			5.8	4.1	5.7	
October	28.460	28.943	27.705	36.2	42.7	49.7	33.3	41.5	77	8		34	35	91	73	.210	.221	1.65	.68			5.9	4.7	5.9	
November	28.400	29.144	27.966	11.3	17.3	25.6	5.3	15.4	50	−20		8	13	86	82	.071	.085	.47	.17			4.8	4.4	5.6	
December	28.414	28.869	27.686	10.1	14.5	20.6	4.6	12.6	40	−24		8	12	92	91	.070	.084	.25	.11			7.2	9.5	7.5	
Year	28.413	29.172	27.686	30.2	40.1	46.6	25.8	36.2	94	−31		26	29	86	70	.198	.216	22.41	2.18			5.1	5.0	5.5	

[1] For 23 days.

Annual meteorological summary for the year ending December 31, 1911—Continued.

DENVER, COLO.

[H=5,291 ft.; h_t=129 ft.; h_r=119 ft.; h_a=172 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow. T. or more.	Snow. 0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorm.	Electricity. Aurora.
	Miles.		*Mi.*																									
January	9.2	SW.	51	W.	6	5	6	5	3	13	24	0	6	0	14	15	2	2	1	4	2	0	0	2	0	22	0	0
February	8.0	S.	37	NW.	0	10	10	4	7	8	9	4	4	0	16	7	5	7	6	12	7	0	0	9	0	26	0	0
March	9.6	S.	48	N.	3	9	9	0	2	12	17	3	10	0	14	14	3	5	2	4	2	0	0	0	0	13	2	0
April	9.6	SW.	43	NW.	2	8	11	2	6	11	11	8	3	0	10	16	4	10	8	8	7	1	0	0	0	12	2	0
May	9.5	SW.	39	S.	0	9	7	6	5	13	11	3	8	0	9	18	4	7	5	0	0	0	1	0	0	0	6	0
June	8.7	SW.	45	SW.	1	6	7	0	4	14	26	3	5	1	13	14	3	5	2	0	0	0	0	0	5	0	5	0
July	7.9	SW.	45	N.	2	5	5	2	3	14	19	4	10	0	9	17	5	9	6	0	0	0	0	0	1	0	5	0
August	7.8	S.	42	W.	1	6	8	4	2	22	10	5	4	1	13	18	0	6	4	0	0	0	0	0	7	0	7	0
September	7.7	S.	38	NW.	0	7	3	5	5	18	11	5	6	0	12	14	4	8	5	1	0	0	0	1	0	2	0	4
October	7.6	S.	41	NW.	1	14	5	7	1	17	6	6	5	1	16	9	6	7	5	7	4	0	0	1	0	15	0	0
November	9.5	S.	43	NE.	2	5	6	3	1	14	13	9	9	0	18	7	5	5	3	6	5	0	0	5	0	24	0	0
December	7.5	S.	30	NW.	0	9	7	6	1	26	6	2	5	0	17	9	5	6	3	10	6	0	0	11	0	30	0	0
Year	8.6	S.	51	W.	18	93	84	44	40	182	157	52	75	3	161	158	46	77	50	52	33	1	2	28	15	142	31	0

DES MOINES, IOWA.

[H=861 ft.; h_t=84 ft.; h_r=76 ft.; h_a=98 ft.]

January	8.8	W.	32	W.	0	9	3	7	1	14	3	10	15	0	1	4	26	4	4	10	4	0	1	14	0	29	0	0
February	9.1	N.	40	SW.	1	12	4	11	0	3	3	10	13	0	9	4	15	6	6	5	3	0	0	10	0	21	2	0
March	7.6	W.	34	NW.	0	14	0	4	4	10	4	15	10	1	14	4	13	7	6	6	2	0	0	0	0	17	0	0
April	8.9	E.	28	NW.	0	10	8	17	7	3	0	7	8	0	6	8	16	12	10	2	2	0	1	0	0	7	7	0
May	8.8	SW.	35	SW.	0	10	3	3	4	15	18	5	3	1	7	9	15	11	8	1	1	0	0	0	3	0	7	0
June	7.2	E.	24	SW.	0	6	6	9	8	8	10	5	8	0	8	14	8	3	3	0	0	0	0	0	15	0	4	0
July	7.3	S.	34	SW.	0	14	4	7	1	12	12	7	5	0	11	15	5	9	6	0	0	0	0	0	13	0	7	0
August	6.9	E.	30	NW.	0	8	4	13	10	9	8	4	6	0	14	12	5	9	4	0	0	0	0	0	9	0	8	0
September	7.3	SE.	38	N.	0	7	7	6	13	8	8	3	8	0	8	8	14	11	9	0	0	1	1	0	3	0	10	0
October	7.5	NW.	29	SE.	0	10	8	3	11	7	7	6	10	0	8	10	13	14	8	1	0	1	1	0	0	5	4	0
November	9.7	NW.	38	SW.	0	10	0	0	9	10	10	6	15	0	7	7	16	8	6	9	4	0	4	4	0	25	1	0
December	8.1	SW.	31	SW.	0	4	3	6	5	13	10	9	12	0	10	4	17	8	8	9	6	0	1	11	0	28	0	0
Year	8.1	N.	40	SW.	1	114	50	86	73	112	93	87	113	2	103	99	163	102	78	43	22	2	9	39	43	132	50	0

DETROIT, MICH.

[H=730 ft.; h_t=218 ft.; h_r=214 ft.; h_a=258 ft.]

January	15.6	SW.	60	W.	7	5	3	5	1	13	12	14	9	0	3	10	18	14	11	9	7	0	3	12	0	27	0	0
February	15.8	W.	50	E.	3	10	1	11	0	4	6	15	9	0	5	8	15	6	6	14	3	0	2	9	0	24	1	0
March	16.0	NW.	51	W.	5	4	8	7	6	12	2	10	13	0	7	12	12	10	7	13	8	0	0	5	0	27	1	0
April	15.0	E.	52	W.	3	7	7	13	5	13	3	5	7	0	8	11	11	12	9	3	2	0	2	1	0	10	1	0
May	12.1	S.	56	W.	3	1	3	10	5	20	3	12	8	0	16	12	3	12	9	0	0	0	0	0	2	2	9	0
June	11.0	W.	59	N.	1	7	9	13	3	6	3	11	8	0	9	12	9	9	6	0	0	0	1	0	3	0	5	0
July	12.7	SW.	51	W.	1	3	4	4	3	14	10	12	12	0	15	11	5	9	7	0	0	0	0	0	8	0	6	0
August	10.2	E.	39	SW.	0	13	7	13	4	10	4	8	3	0	11	15	5	9	6	0	0	0	0	0	1	0	4	0
September	11.0	N.	42	S.	2	11	6	13	4	7	7	6	6	0	12	6	12	14	9	0	0	0	1	0	0	0	5	0
October	12.8	E.	53	W.	1	11	11	11	5	8	8	5	3	0	9	9	13	12	10	0	0	0	3	0	0	1	5	0
November	18.0	W.	56	W.	7	1	1	5	3	10	14	14	12	0	2	13	15	14	10	14	10	0	0	4	0	21	0	0
December	14.6	SW.	53	SW.	4	5	2	9	2	10	17	10	7	0	5	6	20	15	9	12	8	0	3	3	0	22	0	0
Year	13.7	S.	60	W.	37	78	62	114	41	127	89	122	97	0	102	125	138	136	99	65	38	0	15	34	14	134	37	0

DEVILS LAKE, N. DAK.

[H=1,482 ft.; h_t=11 ft.; h_r=4 ft.; h_a=44 ft.]

January	12.0	NW.	44	NW.	2	8	11	5	10	2	10	7	9	0	9	5	17	9	7	15	9	0	0	31	0	31	0	1
February	11.3	W.	42	N.	2	7	1	1	11	1	5	23	7	0	14	9	5	5	5	8	5	0	0	27	0	28	0	6
March	14.3	N.	48	NW.	4	14	2	0	4	12	9	14	7	0	11	10	10	5	2	8	3	0	1	10	0	28	0	3
April	13.2	SE.	34	NW.	0	6	9	4	16	8	5	8	4	0	12	12	6	8	8	8	6	1	0	8	0	17	1	3
May	13.8	SE.	48	NE.	3	8	6	10	8	9	3	8	10	0	9	15	7	11	9	1	1	0	0	0	0	3	7	1
June	11.7	NE.	[1]45	W.	3	13	10	7	10	6	4	2	8	0	5	15	10	14	9	0	0	1	0	0	2	0	9	0
July	11.8	W.	44	W.	1	5	3	3	6	6	4	20	15	0	15	12	4	11	7	0	0	1	0	0	0	0	7	0
August	9.0	NW.	53	W.	1	6	7	3	13	6	3	10	14	0	9	13	9	16	12	0	0	0	0	0	0	0	5	2
September	10.7	W.	39	W.	0	5	9	7	10	7	5	13	4	0	8	14	8	11	10	0	0	0	0	0	0	0	4	2
October	10.2	SE.	35	NW.	0	4	3	1	18	6	4	12	14	0	9	8	14	10	7	4	2	0	2	2	0	12	0	1
November	11.5	W.	35	W.	0	4	2	5	6	4	7	16	15	1	8	11	11	10	4	13	9	0	1	18	0	30	0	0
December	9.7	W.	36	W.	0	8	6	5	8	9	4	13	9	0	5	7	19	9	2	14	9	0	0	24	0	31	0	0
Year	11.6	W.	53	W.	16	88	69	51	120	76	63	146	116	1	114	131	120	119	82	71	44	3	4	120	2	180	33	19

[1] For 18½ hours.

Annual meteorological summary for the year ending December 31, 1911—Continued.

DODGE, KANS.

[ϕ=37° 45′ N.; λ=100° 00′ W.]

Month.	Pressure.			Temperature.							Moisture.									Cloudiness.		
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.					
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.		8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	27.442	27.849	27.030	25.8	38.6	50.1	21.8	36.0	76	−17	20	24	79	58	0.120	0.138	0.22	0.14		4.2	3.7	5.3
February	27.487	28.140	26.933	25.1	36.3	44.2	22.0	33.1	75	− 3	20	24	79	62	.121	.138	2.94	1.28		4.1	5.4	4.5
March	27.442	27.879	26.975	36.3	54.0	60.8	33.8	47.3	78	6	28	33	73	48	.164	.197	.27	.27		4.2	4.4	3.5
April	27.346	27.891	26.805	42.2	61.0	67.7	40.2	54.0	87	27	35	36	77	44	.213	.227	1.01	.64		4.2	3.9	4.0
May	27.360	27.648	26.865	56.6	69.1	75.7	52.9	64.3	93	30	49	51	77	57	.361	.394	3.95	1.53		4.2	5.7	4.8
June	27.354	27.607	27.030	67.5	87.2	92.2	63.6	77.9	107	56	54	53	64	33	.429	.407	.63	.60		2.0	3.1	2.7
July	27.430	27.759	27.135	69.9	82.2	88.0	65.7	76.8	102	54	62	60	80	51	.563	.529	7.29	3.51		4.0	5.3	5.0
August	27.403	27.668	27.104	65.4	80.8	86.9	62.8	74.8	102	51	60	60	83	51	.522	.517	2.21	.87		3.9	3.1	4.3
September	27.375	27.635	27.067	63.6	82.5	87.9	61.9	74.9	100	46	58	56	83	47	.492	.452	.37	.27		2.9	3.1	3.9
October	27.470	27.807	27.073	44.3	56.9	66.2	41.0	53.6	90	25	39	40	82	57	.257	.267	.63	.36		4.5	4.3	4.6
November	27.453	28.113	26.894	28.1	40.3	51.4	24.4	37.9	71	1	24	27	82	61	.130	.152	.99	.53		4.0	3.5	4.3
December	27.420	27.748	26.969	19.8	29.0	38.7	17.1	27.9	58	− 7	15	19	81	61	.094	.113	1.76	.92		3.1	2.9	3.7
Year	27.415	28.140	26.805	45.3	59.8	67.5	42.3	54.9	107	−17	39	40	78	52	.289	.294	22.27	3.51		3.8	4.0	4.2

DUBUQUE, IOWA.

[ϕ=42° 30′ N.; λ=90° 44′ W.]

January	29.375	29.886	28.646	17.8	23.8	30.5	12.0	21.2	48	−11	14	20	84	84	0.094	0.117	0.72	0.23		7.1	6.5	7.5
February	29.392	29.969	28.606	24.2	30.9	35.1	21.0	28.0	50	0	20	24	84	75	.117	.131	4.09	1.34		5.8	5.8	6.3
March	29.289	29.801	28.733	31.6	42.3	47.9	29.9	38.9	76	12	25	26	75	53	.134	.146	.52	.36		5.3	4.8	5.2
April	29.325	29.852	28.788	40.7	50.6	54.4	38.4	46.4	70	23	35	35	80	59	.212	.221	3.17	1.05		5.4	6.2	6.1
May	29.255	29.685	28.692	59.8	71.2	76.0	55.8	65.9	91	31	50	51	71	51	.386	.415	2.84	1.02		5.1	4.9	4.8
June	29.210	29.449	28.968	67.7	80.2	84.1	63.4	73.8	95	49	60	62	77	56	.528	.574	2.83	1.46		5.7	5.1	5.0
July	29.251	29.504	28.836	68.5	79.9	85.6	63.9	74.8	104	49	57	57	69	48	.492	.487	4.41	1.97		4.4	3.9	4.7
August	29.288	29.575	29.047	63.0	74.0	79.9	60.3	70.1	91	45	58	60	84	64	.497	.545	8.74	3.75		5.2	5.3	5.3
September	29.301	29.570	29.000	57.7	66.3	72.9	55.0	64.0	90	41	53	57	86	72	.419	.470	3.56	1.73		6.1	5.7	6.2
October	29.327	29.682	28.839	43.8	50.5	56.8	41.0	48.9	76	27	40	41	86	70	.256	.270	2.34	1.02		6.5	4.3	6.3
November	29.258	30.053	28.540	26.8	32.5	38.7	22.7	30.7	70	5	23	24	84	71	.131	.138	3.04	1.12		6.4	6.5	7.3
December	29.335	29.819	28.720	27.3	31.0	37.6	24.3	31.0	57	− 7	24	26	86	78	.135	.142	1.95	.93		5.4	5.3	5.5
Year	29.300	30.053	28.540	44.1	52.8	58.3	40.6	49.5	104	−11	38	40	80	65	.283	.305	38.21	3.75		5.7	5.4	5.8

DULUTH, MINN.

[ϕ=46° 47′ N.; λ=92° 6′ W.]

January	28.810	29.365	28.157	1.9	8.3	15.7	−5.9	4.9	35	−30	0	4	93	82	0.054	0.057	1.12	0.72		5.2	4.2	5.7
February	28.863	29.391	28.306	12.1	20.1	25.5	7.6	16.6	43	−13	9	13	88	73	.072	.081	1.89	.82		5.8	4.7	5.2
March	28.716	29.297	28.086	23.5	31.6	37.7	19.0	28.4	56	− 7	18	19	78	60	.102	.109	1.66	.92		5.5	5.3	4.9
April	28.823	29.352	28.243	34.1	39.7	46.0	30.3	38.2	64	3	26	27	73	63	.150	.156	1.09	.48		5.4	6.2	5.5
May	28.732	29.159	28.065	47.4	53.8	61.5	41.2	51.4	81	24	38	41	74	67	.248	.277	3.45	1.33		4.5	5.2	5.7
June	28.727	28.975	28.459	56.8	60.8	70.1	48.5	59.3	90	41	52	53	85	78	.389	.408	2.76	.87		4.3	5.9	6.0
July	28.726	29.029	28.461	61.4	67.7	74.9	54.4	64.6	92	45	53	53	76	62	.418	.413	5.83	2.65		4.0	5.0	5.6
August	28.789	29.102	28.441	56.9	63.7	70.1	51.9	61.0	85	42	52	53	85	70	.397	.416	3.02	.83		5.0	5.7	5.3
September	28.811	29.072	28.474	49.8	53.9	60.8	45.5	53.2	77	35	45	46	85	78	.310	.324	3.35	1.72		5.5	6.5	6.3
October	28.829	29.167	28.178	37.8	42.2	48.8	35.0	41.9	66	16	34	36	86	79	.209	.220	1.37	.50		6.8	4.8	6.2
November	28.712	29.445	28.153	17.9	22.7	29.0	13.8	21.4	40	− 2	15	19	88	86	.092	.109	2.59	.61		7.0	6.7	6.6
December	28.779	29.285	28.226	18.3	21.7	26.2	14.3	20.2	40	−13	17	19	93	88	.097	.107	2.17	.53		6.7	7.2	7.0
Year	28.776	29.445	28.065	34.8	40.5	47.2	29.6	38.4	92	−30	30	32	84	74	.212	.223	30.30	2.65		5.5	5.6	5.8

DURANGO, COLO.

[ϕ=37° 16′ N.; λ=107° 52′ W.]

January	23.708	23.941	23.331	22.9	34.3	40.7	20.3	30.5	55	−10	18	24	81	66	0.112	0.138	3.48	1.20		5.4	6.2	5.9
February	23.584	23.931	23.260	23.2	34.2	40.4	20.4	30.4	51	− 2	19	24	84	66	.106	.126	7.02	2.02		6.5	5.6	5.9
March	23.689	23.926	23.403	31.9	48.1	53.2	29.7	41.4	69	18	24	26	73	47	.131	.144	3.14	1.18		5.5	5.4	5.4
April	23.566	23.887	23.309	34.1	55.5	59.1	32.4	45.8	69	21	26	24	70	31	.140	.129	1.50	.42		4.6	5.9	4.8
May	23.617	23.767	23.351	38.7	66.0	70.0	37.7	53.8	77	26	26	26	60	24	.145	.146	.59	.46		3.6	5.2	4.3
June	23.721	23.949	23.534	45.7	72.4	77.5	44.5	61.0	86	37	37	38	72	34	.224	.242	1.09	.47		3.2	5.9	4.8
July	23.776	23.943	23.565	53.0	70.7	76.8	52.6	64.7	87	46	49	52	88	56	.354	.399	5.21	.92		5.2	6.8	5.5
August	23.777	23.896	23.571	50.1	75.8	80.8	49.1	65.0	89	41	44	46	81	38	.298	.318	2.89	1.37		3.7	5.2	4.1
September	23.767	23.884	23.543	47.9	67.4	74.1	46.6	60.4	84	35	43	44	84	51	.284	.299	2.82	1.14		6.2	5.5	5.3
October	23.694	23.866	23.411	33.9	51.9	59.6	32.2	45.9	71	17	28	30	79	47	.162	.179	5.07	3.18		3.3	3.5	3.6
November	23.676	23.958	23.251	23.9	37.3	46.7	21.2	34.0	57	3	18	21	78	50	.104	.118	.94	.51		2.5	3.1	3.5
December	23.555	23.977	23.267	14.2	28.2	37.7	11.3	24.5	58	− 7	9	14	79	54	.064	.081	.54	.30		3.3	3.9	4.2
Year	23.678	23.977	23.251	35.0	53.5	59.7	33.2	46.4	89	−10	28	31	77	47	.177	.193	34.29	3.18		4.4	5.2	4.8

Annual meteorological summary for the year ending December 31, 1911—Continued.

DODGE, KANS.

[H=2,509 ft.; h_1=11 ft.; h_2=3 ft.; h_3=51 ft.]

Month.	Wind.														Number of days.															
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																											
January	10.5	S.	36	SE.	0	8	6	6	12	13	4	4	9	0	11	12	8	4	3	3	3	0	5	2	0	26	1	0
February	12.0	NW.	38	SW.	0	10	8	1	5	8	3	5	16	0	13	8	7	8	7	4	4	0	1	8	0	20	0	0
March	12.0	W.	53	NW.	3	6	7	1	10	10	8	11	9	0	16	14	1	2	2	1	0	0	2	0	0	13	1	0
April	13.9	SE.	44	NW.	2	7	7	10	17	6	2	4	7	0	14	12	4	6	6	0	0	1	0	0	0	4	4	0
May	15.6	S.	43	SE.	2	2	4	7	16	21	2	2	8	0	10	16	5	17	12	0	0	2	2	0	1	1	7	0
June	11.5	S.	34	S.	0	6	4	3	12	18	19	3	4	0	23	7	0	3	1	0	0	0	0	0	21	0	3	0
July	10.4	S.	40	NE.	1	2	6	7	20	21	3	0	3	0	10	15	6	10	7	0	0	1	1	0	13	0	8	0
August	9.7	SE.	40	W.	1	3	7	5	26	12	5	2	2	0	14	13	4	6	6	0	0	1	1	0	15	0	7	0
September	11.3	S.	35	NE.	0	5	9	3	16	17	7	2	0	1	16	11	3	5	3	0	0	0	3	0	14	0	2	0
October	11.0	N.	44	S.	1	7	10	7	8	9	1	10	10	0	15	9	7	6	5	3	3	0	0	1	4	8	1	0
November	12.3	NW.	48	N.	3	6	6	2	9	8	3	12	14	0	15	8	7	5	4	5	4	1	2	3	0	23	1	0
December	10.1	W.	30	SE.	0	8	5	0	11	4	4	17	13	0	16	9	6	6	4	7	5	0	2	12	0	31	0	0
Year	11.7	SE.	53	NW.	13	70	79	52	162	147	52	72	95	1	173	134	58	78	60	23	19	6	19	26	65	126	35	0

DUBUQUE, IOWA.

[H=698 ft.; h_1=100 ft.; h_2=95 ft.; h_3=115 ft.]

January	6.7	S.	26	NW.	0	5	7	2	4	19	5	5	15	0	3	11	17	6	6	9	4	0	0	15	0	29	0	0
February	7.2	NW.	20	NW.	0	6	5	3	5	11	3	8	15	0	7	7	14	8	8	9	3	0	2	11	0	22	1	0
March	8.6	S.	34	NW.	0	6	3	2	4	15	10	6	16	0	11	7	13	4	2	4	2	0	0	1	0	19	0	0
April	6.7	SE.	25	NW.	0	4	8	4	13	10	3	3	15	0	9	8	13	13	9	3	3	0	2	1	0	7	3	0
May	7.0	S.	25	N.	0	5	3	1	8	19	13	4	9	0	12	12	7	12	8	1	0	0	0	0	2	1	7	0
June	5.6	S.	20	S.	0	7	6	3	13	15	3	3	10	0	8	16	6	11	9	0	0	0	0	0	8	0	8	0
July	6.2	S.	30	NW.	0	6	2	0	8	23	7	3	13	0	10	16	5	10	7	0	0	0	0	0	9	0	6	0
August	4.9	S.	24	SE.	0	11	3	4	8	14	5	2	15	0	8	14	9	13	10	0	0	1	2	0	2	0	11	0
September	5.6	SE.	28	SE.	0	10	3	1	11	14	5	2	14	0	6	10	14	13	8	0	0	0	3	0	0	0	9	0
October	5.4	NW.	19	NW.	0	8	2	1	8	11	5	7	20	0	8	7	16	10	9	1	1	0	4	0	0	6	3	0
November	8.2	NW.	26	NW.	0	2	1	0	9	13	7	6	22	0	5	8	17	11	11	7	3	1	1	9	0	26	2	0
December	5.7	S.	29	S.	0	4	0	4	8	17	8	11	8	2	10	8	13	7	6	6	5	0	3	5	0	24	0	0
Year	6.5	S.	34	NW.	0	74	43	25	99	181	74	60	172	2	97	124	144	118	93	40	21	2	17	42	21	134	50	0

DULUTH, MINN.

[H=1,133 ft.; h_1=11 ft.; h_2=3 ft.; h_3=47 ft.]

January	13.4	SW.	63	NW.	5	1	6	5	1	4	15	9	21	0	8	13	10	10	6	15	9	0	4	27	0	31	0	0
February	15.7	NE.	56	W.	7	2	12	6	2	0	12	12	10	0	7	12	9	6	3	10	5	0	2	21	0	28	0	2
March	15.4	NW.	50	NW.	7	1	12	1	2	6	11	10	19	0	11	11	9	7	5	13	6	0	1	11	0	27	0	0
April	12.3	NE.	54	SW.	2	0	34	1	1	1	5	8	10	0	10	7	13	10	8	4	3	0	3	5	0	16	1	0
May	14.0	NE.	54	SW.	4	1	32	0	0	4	7	9	9	0	8	13	10	14	8	1	1	0	11	0	0	5	5	0
June	11.9	NE.	42	NE.	1	1	31	3	1	1	3	9	10	1	5	13	12	14	10	0	0	1	9	0	0	0	8	0
July	12.9	W.	46	SW.	4	0	8	1	3	2	14	21	13	0	5	22	4	14	10	0	0	1	3	0	1	0	7	0
August	10.8	NE.	37	NW.	0	2	18	3	0	2	8	14	13	2	6	20	5	11	7	0	0	0	7	0	0	0	3	1
September	12.4	NE.	39	SW.	0	6	22	1	1	3	14	4	9	0	6	13	11	14	10	0	0	1	5	0	0	0	3	0
October	12.4	W.	40	SW.	1	4	14	4	2	2	11	15	10	0	9	9	13	9	5	3	0	0	3	1	0	11	0	0
November	15.6	NW.	50	NW.	7	3	5	3	4	2	17	11	15	0	4	13	13	11	8	16	10	0	1	17	0	29	0	0
December	13.8	SW.	46	NW.	3	1	9	2	3	1	24	8	14	0	7	8	16	15	9	19	14	0	3	24	0	31	0	0
Year	13.4	NE.	63	NW.	41	22	203	30	20	28	141	130	153	3	86	154	125	135	89	81	48	3	52	106	1	178	27	3

DURANGO, COLO.

[H=6,546 ft.; h_1=18 ft.; h_2=3 ft.; h_3=56 ft.]

January	4.2	NW.	18	NE.	0	10	6	1	2	9	6	4	22	2	8	11	12	14	13	9	7	0	0	5	0	23	0	0
February	4.5	NW.	20	SE.	0	5	2	0	7	11	5	10	14	2	7	8	13	16	14	16	16	0	0	4	0	28	0	0
March	5.1	NW.	26	W.	0	12	5	1	0	8	3	9	23	1	10	11	10	11	8	7	7	1	0	0	0	17	1	0
April	6.2	NW.	28	SW.	0	4	6	0	4	4	9	6	27	0	10	16	4	10	9	3	3	2	0	0	0	14	3	0
May	6.8	NW.	32	S.	0	3	7	1	2	6	5	10	28	0	12	14	5	5	2	0	0	1	0	0	0	5	4	0
June	5.9	NW.	33	S.	0	2	6	0	2	4	5	8	33	0	10	16	4	8	5	0	0	0	0	0	0	0	6	0
July	4.6	NW.	22	N.	0	9	7	0	3	2	2	5	33	1	9	17	5	20	17	0	0	0	0	0	0	0	17	0
August	5.1	NW.	33	NE.	0	9	7	0	1	1	1	9	34	0	14	14	3	15	9	0	0	1	0	0	0	0	11	0
September	4.7	NW.	24	NW.	0	11	6	1	2	1	2	13	23	1	6	19	5	14	11	0	0	0	0	0	0	0	10	0
October	5.4	NW.	24	NE.	0	5	3	2	3	10	5	8	26	0	17	8	6	8	7	2	2	0	0	0	0	14	1	0
November	5.7	NW.	34	NW.	0	5	4	1	4	11	2	7	26	0	14	10	6	8	5	8	6	0	0	2	0	27	0	0
December	5.1	NW.	23	SE.	0	4	5	1	5	9	1	9	28	0	15	10	6	8	3	9	8	0	0	11	0	31	0	0
Year	5.3	NW.	34	NW.	0	79	64	8	35	76	46	98	317	7	132	154	79	137	103	54	49	5	0	22	0	159	53	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

EASTPORT, ME.

[ϕ=44° 54′ N.; λ=66° 59′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.979	30.530	28.913	20.3	23.2	31.7	12.4	22.0	50	−12	16	17	80	76	0.107	0.111	2.98	0.66	6.5	4.7	8.0
February	29.965	30.481	29.430	14.0	19.7	24.1	9.7	16.9	45	− 5	8	14	75	78	.068	.088	2.47	.80	4.5	4.0	6.5
March	29.843	30.597	28.960	25.9	29.4	34.3	21.0	27.6	45	2	20	24	78	78	.119	.132	3.68	1.06	5.1	3.4	6.2
April	29.996	30.587	29.422	36.0	37.8	46.8	30.8	38.8	75	12	30	32	77	80	.173	.188	2.55	.90	4.0	4.6	5.4
May	29.881	30.303	29.326	49.6	50.3	59.9	42.2	51.0	76	28	42	44	77	81	.278	.300	.13	.06	5.1	3.8	6.2
June	29.813	30.280	29.424	55.5	56.7	63.9	48.6	56.2	84	43	50	51	81	82	.359	.383	5.07	2.01	4.9	4.5	6.9
July	29.869	30.223	29.492	62.5	62.2	72.5	55.6	64.0	85	52	56	56	80	81	.453	.459	3.50	1.73	5.3	5.1	6.1
August	29.916	30.318	29.217	60.7	61.3	69.5	54.4	62.0	83	50	55	56	82	82	.435	.445	2.53	1.08	5.7	1.9	5.7
September	29.944	30.346	29.460	52.6	54.4	60.6	48.2	54.4	73	35	48	49	84	82	.340	.355	2.67	.73	6.2	4.1	6.5
October	29.980	30.474	29.382	44.7	46.9	52.4	40.6	46.5	68	29	39	42	80	83	.245	.270	1.57	.85	5.8	4.5	6.9
November	29.818	30.399	28.982	35.5	36.6	43.4	29.3	36.4	58	17	30	32	80	81	.177	.185	3.83	.93	5.9	5.2	7.8
December	29.977	30.382	28.946	28.9	31.1	36.2	24.9	30.6	57	4	23	26	78	80	.138	.149	2.80	1.09	6.9	5.1	8.2
Year	29.916	30.597	28.913	40.5	42.5	49.6	34.8	42.2	85	−12	35	37	79	80	.241	.255	33.78	2.01	5.5	4.2	6.7

ELKINS, W. VA.

[ϕ=38° 53′ N.; λ=79° 49′ W.]

January	28.089	28.583	27.521	34.7	36.7	46.0	27.3	36.6	63	5	28	30	77	79	0.180	0.187	8.04	1.84	8.9	6.5	7.5
February	28.030	28.362	27.567	33.4	36.9	46.1	27.6	36.8	66	13	29	29	83	73	.171	.169	2.18	.42	8.0	6.9	7.6
March	27.958	28.386	27.327	32.7	38.7	48.5	26.6	37.6	74	2	26	28	77	65	.145	.158	4.75	.76	6.7	4.5	7.2
April	28.051	28.445	27.564	41.6	50.1	57.2	37.1	47.2	79	18	36	35	81	59	.218	.215	5.26	.90	6.6	7.6	7.6
May	28.057	28.338	27.636	55.9	67.2	78.2	47.9	63.0	92	28	49	50	78	56	.369	.388	2.23	.87	2.6	4.7	4.5
June	27.984	28.192	27.719	62.9	70.4	80.0	55.9	68.0	93	46	57	60	81	71	.467	.532	4.97	1.35	6.7	5.9	6.2
July	28.069	28.229	27.761	64.3	71.8	84.1	57.2	70.6	93	47	59	61	82	69	.503	.550	3.67	.95	4.3	5.8	5.0
August	28.040	28.175	27.908	64.6	70.5	83.9	59.3	71.6	97	47	61	64	88	80	.541	.594	10.42	2.60	4.4	6.5	5.3
September	28.073	28.298	27.851	60.5	64.7	78.0	55.4	66.7	87	39	58	60	92	85	.491	.519	6.87	2.69	6.5	3.3	5.4
October	28.049	28.375	27.742	48.9	52.6	65.9	43.9	54.9	80	27	45	48	88	87	.319	.349	6.11	1.77	6.3	4.6	5.9
November	28.003	28.539	27.567	33.7	38.1	48.5	27.6	38.0	75	10	29	29	83	70	.168	.165	2.75	1.17	7.5	5.5	7.0
December	28.088	28.406	27.575	32.7	37.7	48.4	28.2	38.3	65	7	29	31	87	78	.172	.186	3.30	.71	7.9	5.3	7.3
Year	28.041	28.583	27.327	47.2	53.0	63.7	41.2	52.4	97	2	42	44	83	73	.312	.334	60.55	2.69	6.4	5.6	6.4

EL PASO, TEX.

[ϕ=31° 47′ N.; λ=106° 30′ W.]

January	26.289	26.541	26.038	40.5	58.3	62.0	37.1	49.6	77	9	28	27	63	34	0.174	0.171	0.36	0.25	3.2	4.0	3.8
February	26.193	26.665	25.929	41.1	54.1	57.3	38.1	47.7	76	27	26	25	58	38	.146	.141	.96	.62	5.6	6.0	6.0
March	26.226	26.412	26.011	50.1	68.1	71.4	48.1	59.8	82	40	34	28	58	26	.201	.158	.43	.25	3.9	4.8	4.2
April	26.107	26.403	25.878	53.2	71.3	74.6	50.9	62.8	85	40	26	18	40	20	.154	.123	.47	.37	2.9	4.6	4.0
May	26.097	26.290	25.853	61.5	83.3	85.9	60.2	73.0	95	47	36	23	43	14	.242	.149	.39	.36	1.6	2.7	2.3
June	26.146	26.347	25.970	69.3	88.1	91.9	67.4	79.6	101	57	48	41	51	24	.353	.278	2.36	1.29	3.1	4.6	3.5
July	26.195	26.466	26.013	69.6	84.0	87.5	67.4	77.4	97	60	61	57	74	42	.533	.467	3.43	1.47	5.3	5.6	5.1
August	26.163	26.317	26.025	71.2	90.6	93.3	70.1	81.7	102	63	50	44	51	23	.376	.302	.45	.38	2.3	2.5	2.5
September	26.189	26.306	26.037	67.8	84.7	88.4	66.6	77.5	94	51	56	51	68	32	.459	.376	1.00	.49	3.7	3.5	3.8
October	26.190	26.384	25.898	52.7	71.5	75.8	50.8	63.3	91	35	40	35	62	29	.261	.216	.43	.38	1.8	2.0	1.9
November	26.264	26.631	25.952	39.9	55.4	60.6	36.9	48.8	74	16	24	23	56	30	.143	.132	.36	.34	2.2	2.2	2.3
December	26.167	26.531	25.887	30.7	46.2	51.0	27.9	39.4	63	15	22	19	70	36	.117	.104	.25	.11	2.2	2.0	2.8
Year	26.186	26.665	25.853	54.0	71.3	75.0	51.8	63.4	102	9	38	33	58	29	.263	.218	10.88	1.47	3.2	3.7	3.5

ERIE, PA.

[ϕ=42° 7′ N.; λ=80° 5′ W.]

January	29.341	29.822	28.633	29.6	30.6	37.2	23.6	30.4	53	7	24	26	78	82	0.139	0.146	4.05	1.20	7.6	6.1	7.6
February	29.308	29.716	28.852	27.8	30.3	35.8	23.4	29.6	59	11	22	24	80	76	.124	.131	2.11	.82	8.9	6.7	7.3
March	29.219	29.797	28.483	31.0	33.3	41.5	24.5	33.0	59	9	23	23	71	67	.129	.126	1.66	.34	7.4	6.0	6.4
April	29.326	29.800	28.685	43.3	44.8	51.9	37.4	44.6	73	20	31	34	63	66	.189	.205	2.47	.91	5.8	6.1	5.6
May	29.277	29.633	28.779	62.4	64.2	71.4	54.5	63.0	90	32	48	50	61	61	.363	.388	2.49	1.03	5.0	4.2	4.1
June	29.191	29.482	28.857	67.1	69.1	74.3	60.8	67.6	85	53	58	58	74	70	.489	.497	2.40	1.09	6.3	5.4	5.6
July	29.254	29.506	28.778	72.1	75.0	80.1	65.4	72.8	96	53	59	58	64	56	.509	.497	2.14	1.17	4.3	4.3	4.5
August	29.260	29.499	29.071	68.8	70.6	76.6	63.5	70.0	90	53	62	63	80	79	.567	.583	5.76	1.46	6.5	5.9	5.9
September	29.288	29.566	28.864	62.2	64.3	71.3	57.2	64.2	87	42	56	57	79	78	.460	.484	4.14	1.51	4.7	5.3	5.2
October	29.306	29.663	28.868	49.5	50.8	58.3	44.7	51.5	73	33	41	43	73	75	.271	.287	3.47	1.20	6.9	5.5	6.6
November	29.208	29.800	28.642	36.1	37.9	44.2	31.8	38.0	71	16	28	30	72	74	.161	.178	3.14	1.05	9.2	8.0	8.5
December	29.346	29.771	28.713	34.9	37.6	42.4	32.0	37.2	62	17	28	30	76	74	.161	.174	3.41	.99	8.6	8.6	7.9
Year	29.277	29.822	28.483	48.7	50.7	57.1	43.2	50.2	96	7	40	41	73	72	.297	.308	37.24	1.51	6.8	6.0	6.3

Annual meteorological summary for the year ending December 31, 1911—Continued.

EASTPORT, ME.

[H=76 ft.; h_t=67 ft.; h_r=62 ft.; h_a=85 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	14.4	W.	48	SE.	4	7	1	4	2	7	13	16	12	0	4	7	20	15	13	11	9	0	1	11	0	29	0	4
February	14.2	W.	50	SE.	4	8	10	0	1	2	6	17	12	0	5	12	11	9	8	10	9	0	0	21	0	28	0	8
March	13.1	NW.	48	NE.	4	4	1	3	1	11	19	8	15	0	11	5	15	12	11	10	7	0	1	11	0	28	0	7
April	11.7	W.	38	E.	0	4	9	3	0	8	12	14	8	2	11	13	6	10	7	8	5	0	0	1	0	15	0	5
May	9.8	S.	36	E.	0	3	4	2	1	27	11	7	4	3	9	11	11	5	1	1	0	0	5	0	0	3	2	3
June	8.2	S.	35	NE.	0	3	8	4	1	16	11	8	9	0	6	10	14	19	12	0	0	0	7	0	0	0	8	1
July	7.9	S.	41	E.	2	2	5	1	0	30	10	4	6	4	6	17	8	10	8	0	0	0	6	0	0	0	4	1
August	7.5	S.	34	E.	0	2	6	3	2	17	17	8	6	1	9	13	9	7	6	0	0	0	6	0	0	0	3	1
September	10.4	S.	40	SE.	1	7	3	3	3	10	11	10	13	0	6	11	13	15	11	0	0	0	3	0	0	0	0	0
October	10.4	NW.	40	NW.	1	4	4	9	2	7	13	10	13	0	5	12	14	8	5	0	0	0	1	0	0	1	0	1
November	14.4	SW.	50	S.	4	3	4	2	4	6	17	16	8	0	0	14	16	14	12	10	8	0	0	3	0	21	0	0
December	14.3	W.	50	W.	4	7	9	3	3	5	7	17	11	0	1	8	22	10	10	8	8	1	0	10	0	23	0	0
Year	11.4	SW.	50	W.	24	54	64	37	20	146	147	135	117	10	73	133	159	134	104	58	46	1	30	57	0	148	17	31

ELKINS, W. VA.

[H=1,940 ft.; h_t=41 ft.; h_r=34 ft.; h_a=50 ft.]

January	4.8	W.	35	W.	0	10	2	0	3	9	5	23	10	0	7	4	20	19	17	11	7	0	0	5	0	22	0	0
February	4.9	W.	24	W.	0	9	0	3	3	2	5	25	9	0	3	9	16	14	12	11	8	0	1	3	0	22	0	0
March	6.5	W.	28	SW.	0	7	1	3	8	5	9	24	5	0	7	4	20	19	18	11	6	0	0	1	0	23	3	0
April	5.0	W.	24	SE.	0	15	1	1	8	16	0	11	8	0	5	7	18	20	17	8	5	0	4	0	0	11	2	0
May	3.1	W.	15	S.	0	10	4	3	8	5	1	13	16	2	16	8	7	9	6	1	0	1	4	0	3	5	6	0
June	3.1	W.	17	SE.	0	7	1	3	2	9	8	11	9	10	8	7	15	13	11	0	0	0	9	0	1	0	7	0
July	2.7	W.	15	SE.	0	4	3	4	10	8	12	12	7	2	8	21	2	10	8	0	0	0	8	0	5	0	10	0
August	2.5	N.	21	W.	0	16	1	6	9	14	5	3	6	2	12	6	13	18	16	0	0	0	10	0	4	0	9	0
September	2.8	N.	16	W.	0	16	7	2	7	6	3	8	4	7	8	14	8	15	14	0	0	0	10	0	0	0	6	0
October	3.2	NW.	19	W.	0	13	2	1	5	7	6	8	19	1	11	6	14	13	12	0	0	0	10	0	0	4	2	0
November	5.7	W.	32	NW.	0	5	0	1	2	14	10	21	6	1	6	7	17	12	8	12	6	0	1	2	0	21	0	0
December	3.9	W.	22	W.	0	7	1	1	8	12	5	11	13	4	7	2	22	16	13	9	5	0	7	2	0	20	0	0
Year	4.0	W.	35	W.	0	119	23	28	73	107	69	170	112	29	98	95	172	178	152	63	37	1	64	13	13	128	45	0

EL PASO, TEX.

[H=3,672 ft.; h_t=110 ft.; h_r=102 ft.; h_a=133 ft.]

January	9.2	NW.	38	W.	0	5	7	2	7	2	0	21	18	0	14	11	6	4	3	0	0	0	1	0	0	8	0	0
February	13.8	E.	47	W.	2	0	4	18	6	1	3	11	13	0	7	9	12	3	3	0	0	0	1	0	0	6	0	0
March	11.3	W.	48	NE.	3	2	7	10	6	1	2	18	16	0	12	16	3	4	2	0	0	0	0	0	0	0	0	0
April	13.7	W.	59	W.	6	0	4	13	1	3	2	25	12	0	15	9	6	4	2	0	0	0	0	0	0	0	1	0
May	11.6	E.	44	SW.	2	3	10	16	10	2	3	10	7	1	22	8	1	3	1	0	0	1	0	0	6	0	3	0
June	9.5	E.	53	SE.	3	0	6	15	15	1	2	9	10	2	15	13	2	6	4	0	0	1	0	0	23	0	4	0
July	10.5	E.	50	W.	4	0	12	10	15	1	3	13	7	1	6	21	4	15	11	0	0	0	0	0	10	0	12	0
August	9 9	E.	50	SW.	1	2	4	17	16	1	0	13	9	0	20	11	0	3	2	0	0	0	0	0	21	0	4	0
September	8.6	E.	41	W.	1	2	5	13	18	0	5	6	11	0	14	15	1	7	5	0	0	0	0	0	12	0	4	0
October	10.3	E.	48	NE.	2	1	6	15	16	2	4	8	10	0	21	8	2	5	2	0	0	0	0	0	1	0	3	0
November	12.2	NW.	51	W.	3	1	9	8	7	1	1	17	16	0	22	5	3	3	1	1	1	0	0	0	0	9	0	0
December	10.7	NW.	41	NW.	1	0	11	10	7	1	5	17	10	1	19	8	4	5	4	3	2	0	0	0	0	23	0	0
Year	10.9	W.	59	W.	28	16	85	147	124	16	30	168	139	5	187	134	44	62	40	4	3	2	2	0	73	46	31	0

ERIE, PA.

[H=714 ft.; h_t=92 ft.; h_r=82 ft.; h_a=102 ft.]

January	13.1	S.	41	W.	2	2	6	0	1	18	13	15	7	0	3	8	20	17	12	15	9	1	3	10	0	26	1	0
February	12.0	W.	49	SE.	2	4	6	2	2	12	11	13	6	0	3	8	17	12	7	16	6	0	0	8	0	23	0	0
March	13.4	W.	42	SE.	2	3	5	2	6	17	7	14	8	0	4	13	14	17	14	15	13	1	0	7	0	27	1	0
April	12.8	W.	44	SE.	2	1	11	1	8	12	11	11	5	0	10	10	10	13	10	4	3	0	0	2	0	10	1	0
May	8.4	W.	37	NW.	0	6	6	3	0	18	12	13	2	2	13	13	5	13	8	1	1	0	0	0	1	0	6	0
June	8.0	W.	28	SW.	0	5	14	0	0	7	17	11	5	1	7	13	10	9	7	0	0	1	0	0	0	0	9	0
July	8.6	S.	41	W.	1	6	6	0	1	17	23	5	4	0	13	11	7	8	7	0	0	0	0	0	4	0	6	1
August	7.5	S.	36	NW.	0	8	2	7	6	16	8	9	6	0	6	15	10	14	13	0	0	0	0	0	1	0	11	0
September	9.7	S.	34	S.	0	2	9	7	3	18	9	3	9	0	8	12	10	10	10	0	0	0	0	0	0	0	6	1
October	10.2	S.	38	W.	0	7	4	7	8	17	6	7	6	0	5	10	16	13	11	0	0	1	0	0	0	0	1	0
November	15.8	SW.	46	S.	4	1	1	1	7	16	15	11	8	0	1	6	23	19	15	14	11	1	0	2	0	17	0	0
December	12.3	S.	42	W.	2	3	2	2	5	23	7	12	8	0	4	5	22	19	17	11	8	0	0	3	0	14	0	0
Year	11.0	S.	49	SE.	15	48	72	32	47	191	139	124	74	3	77	124	164	164	131	76	51	5	3	32	6	117	42	2

Annual meteorological summary for the year ending December 31, 1911—Continued.

ESCANABA, MICH.

[ϕ=45° 48′ N.; λ=87° 05′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.392	29.894	28.729	13.2	18.7	24.4	8.2	16.3	42	−12	10	14	86	81	0.076	0.089	1.05	0.47	6.3	7.0	6.2
February	29.420	29.917	28.915	18.5	24.7	29.0	14.5	21.8	47	0	15	19	84	79	.087	.107	2.00	.63	7.7	7.1	7.1
March	29.308	29.851	28.716	24.0	29.3	35.2	20.6	27.9	52	0	18	24	78	78	.104	.134	1.77	.74	5.4	4.7	6.5
April	29.425	29.936	28.622	34.0	40.1	45.5	30.3	37.9	60	8	29	36	81	84	.170	.217	.42	.21	5.0	4.2	5.1
May	29.327	29.721	28.708	49.4	54.6	60.3	44.7	52.5	74	22	44	47	83	77	.305	.342	4.42	1.48	4.0	5.8	5.0
June	29.276	29.577	28.887	61.2	66.3	72.3	55.7	64.0	90	44	57	59	86	78	.465	.506	1.99	.65	5.2	5.6	5.0
July	29.284	29.583	28.710	62.9	69.1	73.7	57.3	65.5	88	46	56	57	79	70	.460	.493	6.63	1.69	4.5	5.6	4.6
August	29.350	29.640	29.007	60.2	65.9	71.0	55.7	63.4	81	43	55	57	84	74	.448	.474	3.52	1.20	4.7	5.0	4.8
September	29.391	29.671	29.052	52.9	57.4	63.8	48.2	56.0	80	33	48	50	85	78	.351	.377	3.78	1.08	5.3	5.3	5.5
October	29.395	29.701	28.784	42.0	46.9	52.1	39.1	45.6	62	24	37	38	84	71	.234	.241	4.63	1.98	6.9	5.9	6.3
November	29.237	29.926	28.421	26.8	30.3	35.8	22.7	29.2	53	3	22	23	81	73	.125	.133	3.43	1.92	7.9	6.8	7.5
December	29.373	29.913	28.757	25.9	28.8	33.1	22.7	27.9	44	0	21	24	81	81	.117	.132	2.09	1.27	7.4	7.5	7.7
Year	29.348	29.936	28.421	39.2	44.3	49.7	35.0	42.3	90	−12	34	37	83	77	.245	.270	36.33	1.98	5.9	5.9	6.0

EUREKA, CAL.

[ϕ=40° 48′ N.; λ=124° 11′ W.]

January	29.987	30.505	29.560	42.9	47.5	50.4	40.2	45.3	57	31	40	42	90	83	0.254	0.271	8.63	1.66	6.0	5.8	6.8
February	30.040	30.509	29.478	39.9	47.6	50.1	36.6	43.4	57	30	36	40	85	78	.213	.254	3.75	1.74	5.2	4.5	5.4
March	30.013	30.346	29.446	45.5	51.8	54.1	43.0	48.6	66	35	42	46	87	82	.266	.314	1.45	.75	5.6	6.2	5.8
April	30.049	30.313	29.629	44.6	49.8	52.6	42.8	47.7	64	34	41	44	88	82	.260	.291	3.39	1.96	7.1	5.0	5.8
May	30.009	30.279	29.683	47.2	52.2	55.2	46.0	50.6	68	41	44	47	89	83	.289	.322	3.52	1.28	8.2	6.8	6.4
June	30.022	30.122	29.871	48.6	53.0	55.4	48.0	51.7	66	44	46	48	92	85	.313	.340	.23	.16	7.3	5.1	6.1
July	29.997	30.101	29.832	50.5	55.1	57.5	50.0	53.8	64	46	48	51	93	87	.340	.372	T.	T.	6.1	7.0	7.1
August	29.989	30.130	29.827	53.0	57.3	59.4	52.2	55.8	65	48	51	53	92	85	.369	.399	.08	.05	7.9	6.2	7.1
September	29.995	30.162	29.783	51.2	57.7	60.6	49.4	55.0	66	44	49	52	91	82	.343	.394	.29	.09	6.1	4.1	5.5
October	29.997	30.223	29.596	49.3	55.8	59.9	46.9	53.4	73	41	46	50	89	82	.310	.362	1.68	.82	4.0	4.1	5.2
November	30.152	30.496	29.596	45.2	51.6	54.6	42.6	48.6	64	32	43	46	91	83	.277	.317	2.09	.73	4.5	4.8	6.1
December	30.139	30.405	29.729	41.7	47.7	50.3	38.1	44.2	62	31	38	42	88	83	.235	.271	4.74	1.34	4.9	5.2	6.6
Year	30.032	30.509	29.446	46.6	52.3	55.0	44.6	49.8	73	30	44	47	90	83	.289	.326	29.85	1.96	6.1	5.4	6.2

EVANSVILLE, IND.

[ϕ=37° 58′ N.; λ=87° 33′ W.]

January	29.732	30.154	29.236	34.8	41.3	46.4	31.2	38.8	65	3	31	35	86	79	0.192	0.234	1.61	0.52	6.9	6.8	7.5
February	29.694	30.161	29.135	35.9	43.0	49.2	33.4	41.3	74	19	32	34	84	70	.187	.213	1.84	.75	5.6	5.0	5.4
March	29.605	30.055	28.984	40.1	50.3	57.0	36.2	46.6	82	19	33	35	75	58	.195	.215	1.26	.49	4.9	4.7	4.6
April	29.599	30.014	29.010	50.1	57.8	63.1	46.9	55.0	79	34	42	44	78	63	.296	.310	9.39	2.89	6.1	5.6	5.9
May	29.592	29.931	29.143	66.0	75.4	82.0	61.5	71.8	98	41	55	56	68	53	.463	.476	1.30	.52	2.7	3.2	3.2
June	29.499	29.714	29.220	73.2	82.0	88.4	68.3	78.4	99	61	63	64	72	57	.589	.612	4.30	1.18	3.1	4.6	4.3
July	29.574	29.756	29.287	73.2	82.4	87.7	69.4	78.6	101	56	63	64	72	56	.597	.614	.86	.37	3.2	5.1	4.5
August	29.643	29.703	29.410	71.0	80.0	86.0	68.3	77.2	99	54	65	64	82	61	.631	.616	4.92	1.39	5.8	5.1	5.4
September	29.582	29.818	29.378	69.2	76.3	84.3	66.5	75.4	92	57	66	67	88	74	.639	.669	3.25	1.58	4.9	3.8	4.9
October	29.606	29.953	29.275	53.9	61.2	68.3	51.0	59.6	88	38	50	50	96	89	.378	.393	1.64	.91	6.1	4.5	5.7
November	29.644	30.299	29.057	37.3	42.8	49.0	32.7	40.8	75	17	32	33	81	68	.198	.201	3.66	1.57	5.5	4.9	6.0
December	29.682	30.089	29.073	37.9	42.6	47.1	35.1	41.1	63	18	33	35	82	75	.193	.211	3.33	1.23	6.9	5.5	6.8
Year	29.613	30.299	28.984	53.6	61.3	67.4	50.0	58.7	101	3	47	48	80	65	.380	.397	37.36	2.89	5.1	4.9	5.4

FLAGSTAFF, ARIZ.

[ϕ=35° 12′ N.; λ=111° 37′ W.]

January	23.387	23.614	23.119	27.1	36.2	43.5	23.3	33.4	57	− 1	23	29	83	74	0.131	0.167	4.04	2.06	5.5	7.1	6.2
February	23.239	23.551	22.971	20.5	33.5	38.6	17.2	27.9	48	− 7	18	24	90	67	.102	.125	2.75	1.18	4.2	5.3	5.0
March	23.372	23.529	23.190	30.3	47.4	52.8	28.6	40.7	68	22	26	29	88	52	.149	.160	2.71	1.10	3.9	6.4	4.8
April	23.271	23.478	23.083	30.0	52.6	57.9	28.3	43.1	66	13	23	19	74	29	.127	.109	.22	.16	2.8	3.4	3.5
May	23.305	23.459	23.075	35.6	62.0	66.8	32.2	49.5	74	22	18	16	48	17	.097	.080	.08	.06	1.4	1.9	1.7
June	23.404	23.568	23.217	44.6	70.0	75.4	41.2	58.3	85	28	29	28	57	24	.167	.165	.32	.24	3.0	4.3	4.0
July	23.470	23.583	23.310	51.2	67.7	75.2	49.9	62.6	84	44	48	48	90	56	.341	.354	5.53	1.08	5.0	7.5	6.4
August	23.468	23.541	23.328	48.7	70.4	77.3	46.9	62.1	84	41	43	44	82	41	.281	.291	2.45	.55	3.0	4.5	4.5
September	23.442	23.513	23.234	46.6	63.7	70.6	44.9	57.8	79	35	43	46	88	57	.283	.320	4.41	1.31	3.8	5.1	5.3
October	23.375	23.525	23.064	33.7	51.0	60.3	30.4	45.4	72	18	28	28	81	46	.165	.168	2.68	1.02	2.7	2.5	3.1
November	23.383	23.615	23.123	23.7	37.4	48.0	20.2	34.1	62	6	16	17	72	45	.095	.106	.20	.20	.9	2.6	2.1
December	23.242	23.635	22.957	12.1	26.5	37.8	6.2	22.0	54	−16	7	11	79	55	.057	.071	.61	.23	1.7	2.3	2.6
Year	23.363	23.635	22.957	33.7	51.5	58.7	30.8	44.7	85	−16	27	28	78	47	.166	.177	26.00	2.06	3.2	4.4	4.1

Annual meteorological summary for the year ending December 31, 1911—Continued.

ESCANABA, MICH.

[H=612 ft.; h_1=54 ft.; h_2=44 ft.; h_3=60 ft.]

Month.	Wind.														Number of days.													
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	9.6	NW.	39	NW.	0	13	6	1	0	8	14	8	12	0	9	8	14	8	6	17	7	0	2	24	0	30	0	0
February	10.2	NW.	39	E.	0	6	9	5	1	1	9	7	18	0	3	9	16	12	10	16	10	0	2	18	0	28	0	1
March	10.9	S.	38	NW.	0	11	3	0	2	18	10	6	12	0	7	7	17	8	7	15	5	0	1	14	0	27	2	1
April	8.8	S.	36	N.	0	8	7	5	6	13	4	6	11	0	11	9	10	7	4	4	1	0	5	2	0	13	0	1
May	9.2	S.	38	N.	0	6	11	8	2	15	9	5	6	0	12	10	9	11	11	2	1	0	5	0	0	5	7	0
June	7.7	S.	38	W.	0	5	11	8	7	16	4	4	5	0	11	10	9	11	8	0	0	0	1	0	2	0	5	0
July	9.1	S.	34	NW.	0	9	2	2	1	19	9	7	13	0	12	12	7	16	13	0	0	0	0	0	0	0	11	0
August	7.5	S.	26	NE.	0	8	6	5	2	14	12	5	10	0	11	16	4	10	8	0	0	1	2	0	0	0	4	1
September	9.8	S.	34	N.	0	4	11	5	3	15	8	3	11	0	10	9	11	13	10	0	0	0	1	0	0	0	5	1
October	8.6	W.	39	NW.	0	9	10	9	4	5	13	7	5	0	6	7	18	12	10	2	0	0	1	0	0	7	1	0
November	10.8	NW.	44	N.	1	2	1	1	6	4	17	12	17	0	5	6	19	12	10	13	8	0	1	11	0	24	0	0
December	9.6	SW.	37	NE.	0	3	13	1	1	7	17	13	7	0	6	3	22	12	8	15	10	0	1	12	0	30	0	0
Year	9.3	S.	44	N.	1	84	90	50	35	135	126	83	127	0	103	106	156	132	105	84	42	1	22	81	2	164	35	5

EUREKA, CAL.

[H=80 ft.; h_1=73 ft.; h_2=65 ft.; h_3=89 ft.]

January	7.3	SE.	38	SE.	0	10	6	2	19	11	5	7	2	0	8	6	17	18	17	0	0	3	4	0	0	1	1	0
February	7.7	N.	39	NW.	0	21	2	1	13	7	5	3	4	0	11	7	10	13	11	1	1	3	3	0	0	3	0	0
March	6.6	N.	36	S.	0	17	4	6	13	5	9	5	3	0	9	9	13	9	7	0	0	0	4	0	0	0	0	0
April	8.6	N.	39	N.	0	22	3	2	13	4	2	4	10	0	6	12	12	9	7	0	0	1	0	0	0	0	0	0
May	9.7	N.	34	SW.	0	15	4	1	7	8	14	4	9	0	3	16	12	14	12	0	0	0	1	0	0	0	0	0
June	8.2	N.	30	N.	0	31	2	1	1	2	7	6	10	0	5	15	10	4	2	0	0	0	6	0	0	0	0	0
July	6.8	N.	29	N.	0	22	3	0	2	5	8	10	12	0	3	15	13	0	0	0	0	0	13	0	0	0	0	0
August	5.8	N.	27	N.	0	24	0	2	7	7	8	5	9	0	0	19	12	4	1	0	0	0	5	0	0	0	0	0
September	5.6	N.	36	N.	0	11	3	6	10	2	9	9	10	0	6	15	9	9	4	0	0	0	8	0	0	0	0	0
October	5.0	SE.	28	SW.	0	12	0	3	22	3	5	7	9	1	10	11	10	7	6	0	0	0	11	0	0	0	0	0
November	5.7	N.	43	SW.	1	16	3	5	10	8	8	6	4	0	5	14	11	10	9	0	0	1	16	0	0	1	0	0
December	6.8	SE.	46	N.	1	14	8	3	17	7	6	3	4	0	5	13	13	15	13	0	0	3	2	0	0	2	1	0
Year	7.0	N.	46	N.	2	215	38	32	134	69	86	69	86	1	71	152	142	112	89	1	1	11	73	0	0	7	2	0

EVANSVILLE, IND.

[H=431 ft.; h_1=72 ft.; h_2=66 ft.; h_3=82 ft.]

January	9.3	S.	31	S.	0	9	5	3	7	21	6	3	8	0	3	12	16	10	5	4	1	0	0	4	0	18	1	0
February	8.8	S.	30	S.	0	9	8	3	6	9	4	6	11	0	8	10	10	9	7	3	2	0	1	2	0	13	3	0
March	9.1	W.	41	W.	1	7	8	7	7	8	9	7	9	0	11	14	6	8	7	3	1	0	1	0	0	7	2	0
April	9.0	NE.	41	W.	1	10	12	6	12	9	1	7	2	1	7	13	10	14	13	0	0	0	0	0	0	0	8	0
May	5.9	S.	35	SW.	0	7	13	4	8	18	6	3	3	0	14	17	0	10	5	0	0	1	0	0	0	7	0	0
June	6.6	NE.	36	S.	0	4	16	4	11	11	4	6	3	1	9	20	1	10	9	0	0	0	0	0	12	0	8	0
July	6.1	S.	33	SE.	0	5	17	3	9	14	9	1	4	0	8	21	2	7	5	0	0	0	0	0	13	0	4	0
August	5.2	S.	24	N.	0	10	10	2	10	18	5	2	5	0	7	19	5	8	8	0	0	0	1	0	9	0	7	0
September	5.5	S.	30	N.	0	8	13	6	5	13	7	2	5	1	7	20	3	10	8	0	0	0	0	0	5	0	7	0
October	6.1	NE.	30	SW.	0	12	14	5	7	5	8	4	6	1	6	17	8	11	7	0	0	0	2	0	0	0	3	0
November	9.1	S.	47	S.	1	3	5	6	6	16	8	9	7	0	8	9	13	10	9	6	3	1	0	3	0	15	2	0
December	7.6	S.	38	SW.	0	4	14	1	17	8	4	10	4	0	7	6	18	13	8	1	0	0	1	0	0	11	0	0
Year	7.4	S.	47	S.	3	88	135	50	105	150	71	60	67	4	95	178	92	120	91	17	7	2	6	9	46	61	50	0

FLAGSTAFF, ARIZ.

[H=6,907 ft.; h_1=8 ft.; h_2=3 ft.; h_3=57 ft.]

January	7.4	SW.	38	SW.	0	0	1	12	1	2	21	19	6	0	9	7	15	12	10	7	4	0	0	3	0	23	1	0
February	8.1	SW.	33	SW.	0	1	0	8	0	5	23	10	9	0	11	5	12	13	11	18	12	0	0	6	0	27	1	0
March	6.7	SW.	31	SW.	0	1	4	7	3	3	20	13	11	0	14	9	8	9	8	6	3	0	0	0	0	30	0	0
April	9.8	SW.	36	SW.	0	2	0	5	2	2	28	9	12	0	15	11	4	3	2	4	1	0	0	0	0	23	0	0
May	11.5	SW.	44	SW.	2	1	4	3	0	6	24	12	12	0	24	7	0	1	1	1	1	0	0	0	0	17	1	0
June	9.3	SW.	38	SW.	0	2	4	5	1	3	23	9	13	0	13	13	4	4	3	0	0	1	0	0	0	3	4	0
July	5.2	NW.	25	NW.	0	11	3	7	2	4	11	12	12	0	6	11	14	19	16	0	0	3	0	0	0	0	24	0
August	5.7	NW.	28	SW.	0	8	7	3	1	5	9	11	18	0	13	10	8	16	11	0	0	0	0	0	0	0	22	0
September	6.9	SW.	32	SW.	0	7	0	3	1	3	24	8	13	1	11	9	10	14	12	0	0	1	0	0	0	0	13	0
October	7.0	E.	38	SW.	0	2	5	14	1	3	17	7	13	0	19	5	7	8	7	2	0	0	0	0	0	21	2	0
November	6.9	E.	50	SW.	2	3	9	15	4	1	11	7	10	0	24	2	4	1	1	3	1	0	0	1	0	28	1	0
December	6.8	NE.	32	NE.	0	7	9	9	6	5	10	7	9	0	22	5	4	5	3	8	5	0	0	9	0	31	0	0
Year	7.8	SW.	50	SW.	4	45	46	91	22	42	221	124	138	1	181	94	90	105	85	49	27	5	0	19	0	203	69	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

FORT SMITH, ARK.

[ϕ=35° 22′ N.; λ=94° 24′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.680	30.109	29.161	40.3	49.9	56.5	36.4	46.4	79	2	32	35	72	59	.213	.240	0.40	0.18	7.0	6.4	6.5
February	29.630	30.253	29.203	43.1	53.1	58.4	40.2	49.3	87	17	33	37	68	58	.207	.250	4.57	1.73	5.6	5.9	5.7
March	29.580	29.938	29.205	47.5	61.6	68.0	44.7	56.4	91	28	36	37	66	45	.230	.237	1.97	.73	5.3	5.6	4.4
April	29.500	29.949	28.941	54.0	63.9	69.9	50.6	60.2	81	42	46	47	76	59	.330	.349	4.20	1.13	7.0	7.0	6.3
May	29.526	29.859	29.088	63.6	78.8	83.3	60.5	71.9	93	42	56	54	76	45	.463	.445	1.56	1.40	4.3	3.6	3.6
June	29.439	29.600	29.196	75.0	88.9	95.6	72.0	83.8	102	61	63	60	67	42	.585	.543	.45	.23	3.7	4.3	3.6
July	29.510	29.796	29.262	73.2	83.3	90.2	71.0	80.6	102	58	66	66	80	58	.655	.643	5.38	2.21	6.5	6.8	6.2
August	29.463	29.618	29.304	72.4	83.3	88.0	70.7	79.4	102	56	68	68	87	62	.702	.699	6.25	2.79	5.4	4.1	4.9
September	29.515	29.737	29.327	71.7	82.9	89.8	70.3	80.0	98	61	68	69	88	65	.687	.718	4.42	1.66	2.4	2.5	2.3
October	29.564	29.812	29.258	55.9	65.4	71.5	53.9	62.7	90	35	51	52	84	63	.399	.418	1.23	.54	4.9	4.4	5.2
November	29.624	30.228	29.211	38.9	49.2	57.6	34.7	46.2	85	16	30	30	70	50	.188	.189	2.03	.92	4.5	3.9	4.2
December	29.612	30.012	29.129	37.1	44.7	49.8	34.3	42.0	65	11	31	32	77	62	.184	.193	3.21	1.16	6.5	5.3	5.9
Year	29.554	30.253	28.941	56.1	67.1	73.2	53.3	63.2	102	2	48	49	76	56	.404	.410	35.67	2.79	5.3	5.3	4.9

FORT WAYNE, IND.

[ϕ=41° 5′ N.; λ=85° 10′ W.]

January																					
February																					
March																					
April																					
May																					
June	29.058	29.319	28.783	66.6	75.6	80.5	61.1	70.8	96	50	59	60	77	61	0.508	0.526	4.41	1.91	6.2	3.8	5.5
July	29.117	29.334	28.681	69.3	77.7	84.7	62.9	73.8	100	49	58	58	63	53	.498	.499	2.19	.86	3.4	5.0	4.7
August	29.112	29.307	28.928	66.2	74.1	80.5	61.3	70.9	97	47	60	60	80	64	.521	.533	2.91	1.00	5.6	3.8	5.1
September	29.140	29.410	28.880	60.9	69.0	75.5	57.4	66.4	89	48	56	60	85	74	.464	.522	3.30	1.20	6.1	5.3	5.4
October	29.150	29.496	28.688	45.8	53.4	59.8	42.6	51.2	80	29	42	46	87	77	.275	.329	3.51	1.53	6.9	4.4	6.5
November	29.093	29.752	28.512	32.4	36.2	42.4	28.1	35.2	70	10	27	29	80	74	.162	.173	3.75	1.33	7.0	5.5	7.3
December	29.189	29.636	28.462	31.7	35.3	39.9	27.7	33.8	60	6	28	30	84	79	.160	.176	2.93	.65	8.2	7.1	7.8
Year																					

FORT WORTH, TEX.

[ϕ=32° 43′ N.; λ=97° 15′ W.]

January	29.428	29.949	28.968	46.5	58.4	64.0	42.6	53.3	93	4	37	41	71	58	0.251	0.284	0.21	0.18	5.9	5.7	5.4
February	29.372	30.100	28.957	47.9	57.6	63.3	44.4	53.8	91	20	40	44	74	65	.271	.315	3.84	1.05	7.3	7.6	6.4
March	29.335	29.691	28.990	52.5	70.5	75.2	51.4	63.3	100	34	40	41	64	39	.262	.278	1.87	1.14	5.2	5.5	4.3
April	29.222	29.651	28.861	57.6	68.2	73.0	54.7	63.8	90	42	50	52	78	59	.380	.399	3.33	1.85	7.3	7.5	6.4
May	29.259	29.491	28.753	64.2	82.1	85.4	62.7	74.0	103	45	51	50	64	34	.390	.374	.22	.17	3.9	3.9	3.9
June	29.187	29.337	28.988	74.7	94.3	97.9	73.9	85.9	105	67	60	55	61	28	.524	.437	.43	.18	3.7	3.9	2.6
July	29.263	29.568	29.040	74.2	85.8	91.8	73.1	82.4	101	64	65	66	82	54	.692	.637	6.26	2.66	6.7	6.6	5.6
August	29.202	29.344	29.031	74.6	90.2	94.8	74.2	84.5	106	65	66	64	74	46	.633	.609	2.39	2.08	4.9	4.4	4.1
September	29.261	29.409	29.080	72.8	88.2	92.2	72.4	82.3	98	66	66	63	78	45	.630	.588	1.38	1.24	1.9	2.5	2.6
October	29.322	29.550	29.000	57.5	71.6	75.8	56.5	66.2	95	36	50	50	77	50	.409	.407	.99	.37	5.4	3.2	4.4
November	29.401	29.910	28.967	44.4	56.5	63.8	39.7	51.8	85	21	34	35	66	48	.226	.243	1.05	.48	4.7	4.5	4.5
December	29.352	29.831	28.943	39.6	48.5	53.0	37.0	45.0	69	16	33	38	77	71	.202	.243	5.06	1.86	5.0	5.1	5.6
Year	29.300	30.100	28.753	58.9	72.7	77.5	56.9	67.2	106	4	50	50	72	50	.406	.401	27.03	2.66	5.2	5.0	4.6

FRESNO, CAL.

[ϕ=36° 43′ N.; λ=119° 49′ W.]

January	29.742	30.072	29.327	44.7	56.3	59.6	41.4	50.5	72	27	40	40	83	59	0.253	0.262	4.23	1.40	6.0	6.8	6.2
February	29.714	30.112	29.373	39.9	54.0	57.3	37.4	47.4	69	29	36	36	85	52	.211	.218	1.14	.62	2.9	3.5	3.3
March	29.699	29.897	29.455	50.3	64.7	67.5	48.7	58.1	83	42	47	49	89	58	.324	.350	3.30	1.25	6.0	6.1	6.0
April	29.653	29.880	29.344	47.5	69.3	71.7	46.2	59.0	85	34	42	38	82	35	.271	.238	1.03	.67	2.9	2.8	3.1
May	29.586	29.780	29.354	50.4	76.2	78.5	49.5	64.0	97	41	42	34	73	24	.266	.202	.22	.22	2.1	3.0	2.5
June	29.517	29.692	29.303	59.7	89.5	91.3	59.1	75.2	102	51	45	40	60	18	.305	.253	T.	T.	1.2	1.6	1.5
July	29.515	29.654	29.348	67.8	99.3	101.1	67.0	84.0	111	58	48	40	50	14	.340	.262	T.	T.	1.5	1.8	1.7
August	29.527	29.669	29.378	60.3	94.2	95.5	58.9	77.2	104	55	45	35	57	13	.299	.206	0	0	.2	.4	.2
September	29.572	29.685	29.333	56.9	82.8	84.7	54.9	69.8	99	48	43	40	62	24	.285	.252	.01	.01	2.5	1.8	2.1
October	29.613	29.807	29.382	50.4	75.1	78.9	48.6	63.8	91	41	42	39	73	30	.264	.243	.09	.08	.7	1.3	1.4
November	29.777	30.046	29.507	42.2	62.5	67.4	39.5	53.4	77	31	33	33	71	34	.192	.191	.17	.17	1.7	1.7	2.1
December	29.771	29.989	29.532	37.3	51.4	55.6	33.8	44.7	72	24	33	34	84	54	.189	.203	1.06	.57	2.6	3.0	3.7
Year	29.640	30.112	29.303	50.6	72.9	75.8	48.8	62.3	111	24	41	38	72	35	.267	.240	11.25	1.40	2.5	2.8	2.8

Annual meteorological summary for the year ending December 31, 1911—Continued.

FORT SMITH, ARK.

[H=457 ft.; h_1=79 ft.; h_r=72 ft.; h_a=94 ft.]

Month.	Wind.														Number of days.															
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	9.4	E.	40	W.	1	3	2	27	6	5	9	5	5	0	7	8	16	3	3	0	0	0	0	2	0	9	1	0
February	9.3	E.	38	SW.	0	9	3	20	5	2	6	3	7	1	8	9	11	10	8	3	1	0	0	1	0	5	2	0
March	9.9	E.	54	NW.	3	8	5	23	2	4	6	10	4	0	17	5	9	9	7	0	0	0	0	0	1	3	1	0
April	9.1	E.	50	SW.	1	5	5	31	3	3	4	3	5	1	8	8	14	12	11	0	0	0	3	0	0	0	6	0
May	7.6	E.	52	NW.	1	0	4	27	9	14	2	4	1	1	18	10	3	4	3	0	0	0	0	0	13	0	4	0
June	7.6	E.	37	SE.	0	4	4	32	2	11	3	1	3	0	17	9	4	5	2	0	0	0	1	0	25	0	7	0
July	6.8	E.	39	S.	0	4	2	32	12	6	2	3	1	0	7	9	15	14	11	0	0	0	0	0	15	0	5	0
August	6.0	E.	28	NE.	0	4	10	36	2	5	0	2	3	0	15	4	12	11	9	0	0	0	0	0	12	0	6	0
September	6.1	E.	26	E.	0	1	1	44	1	10	0	1	2	0	22	4	4	7	7	0	0	0	0	0	21	0	3	0
October	7.4	E.	33	NW.	0	6	7	24	6	5	3	3	8	0	14	4	13	7	4	0	0	0	2	0	2	0	1	0
November	10.0	E.	55	NW.	1	3	6	24	4	3	6	3	10	1	17	3	10	7	7	4	0	0	0	2	0	15	2	0
December	8.9	E.	37	E.	0	5	4	33	0	1	8	5	6	0	10	6	15	9	8	0	0	0	0	1	0	12	0	0
Year	8.2	E.	55	NW.	7	52	53	353	52	69	49	43	55	4	160	79	126	98	80	7	1	4	2	6	89	44	38	0

FORT WAYNE, IND.

[H=856 ft.; h_1=113 ft.; h_r=107 ft.; h_a=124 ft.]

January																												
February																												
March																												
April																												
May																												
June	7.7	SW.	33	NW.	0	3	6	13	3	5	14	7	9	0	10	7	13	12	9	0	0	0	0	0	4	0	7	0
July	7.6	SW.	39	W.	0	5	4	2	6	10	20	6	9	0	13	12	6	8	7	0	0	0	0	0	9	0	7	0
August	6.8	NE.	31	NW.	0	7	11	7	6	5	9	7	10	0	10	12	9	12	9	0	0	0	0	0	3	0	3	0
September	7.5	SW.	35	SW.	0	9	9	12	3	4	11	5	6	1	9	8	13	12	10	0	0	0	1	0	0	0	5	0
October	8.0	NE.	35	W.	0	7	15	6	6	5	14	5	4	0	5	9	17	18	10	0	0	0	3	0	0	3	5	0
November	12.7	SW.	40	S.	1	0	0	4	7	10	23	12	4	0	3	9	18	16	13	12	9	0	0	5	0	21	2	0
December	9.9	SW.	44	SW.	3	6	6	5	7	9	22	5	2	0	5	3	23	15	11	7	6	0	1	3	0	21	0	0
Year																												

FORT WORTH, TEX.

[H=670 ft.; h_1=106 ft.; h_r=51 ft.; h_a=114 ft.]

January	11.8	S.	35	S.	0	7	7	1	8	17	13	1	6	2	7	17	7	4	1	0	0	0	2	2	1	7	0	0
February	11.4	NW.	35	NW.	0	4	5	5	10	7	7	1	16	1	6	8	14	11	9	1	0	0	0	0	1	6	4	0
March	10.2	S.	37	S.	0	6	9	4	4	16	11	2	8	2	13	12	6	6	4	0	0	0	1	0	0	5	5	0
April	10.6	S.	35	NW.	0	7	9	7	10	13	4	4	5	1	6	9	15	10	10	0	0	0	0	2	0	1	6	0
May	11.6	S.	34	S.	0	1	4	4	17	21	6	3	1	5	13	17	1	5	2	0	0	0	0	1	0	11	2	0
June	11.9	S.	36	SW.	0	2	7	0	7	29	8	5	2	0	21	8	1	4	3	0	0	0	0	0	28	0	5	0
July	10.2	S.	32	SE.	0	2	7	1	24	19	5	1	2	1	4	23	4	11	8	0	0	0	0	0	19	0	12	0
August	8.6	S.	32	NE.	0	6	9	6	12	13	7	3	2	4	13	11	7	6	4	0	0	0	0	0	23	0	9	0
September	8.9	S.	34	SE.	0	1	1	7	20	28	0	0	2	1	22	6	2	4	3	0	0	0	0	0	24	0	3	0
October	10.5	S.	38	NW.	0	10	3	10	6	16	5	2	9	1	12	13	6	5	5	0	0	0	0	0	6	0	3	0
November	12.1	S.	42	NW.	2	4	3	4	10	14	10	2	12	1	13	7	10	5	4	0	0	0	0	0	0	8	1	0
December	9.3	NW.	34	NW.	0	2	7	8	9	4	9	3	17	3	12	6	13	9	8	1	1	0	4	0	0	5	0	0
Year	10.6	S.	42	NW.	2	52	71	57	137	197	85	27	82	22	142	137	86	80	61	2	1	1	9	2	119	26	50	0

FRESNO, CAL.

[H=330 ft.; h_1=62 ft.; h_r=54 ft.; h_a=70 ft.]

January	5.1	E.	23	SE.	0	0	5	24	11	2	1	6	12	1	7	9	15	11	10	0	0	0	4	0	0	3	0	0
February	4.9	NW.	25	SW.	0	4	7	12	5	1	3	6	18	0	17	6	5	7	5	2	0	0	1	0	0	3	1	0
March	5.3	NW.	32	S.	0	4	0	7	10	2	5	16	18	0	10	7	14	11	10	0	0	0	4	0	0	0	0	0
April	6.2	NW.	30	W.	0	4	0	5	3	1	3	19	25	0	19	6	5	5	4	0	0	0	1	0	0	0	0	0
May	6.9	NW.	24	W.	0	6	2	3	0	1	7	17	26	0	20	10	1	1	1	0	0	0	0	0	0	3	0	0
June	7.3	W.	27	W.	0	2	0	0	0	0	5	33	20	0	23	7	0	0	0	0	0	0	0	0	15	0	0	0
July	6.3	W.	21	W.	0	1	0	1	0	0	9	33	17	1	26	4	1	0	0	0	0	0	0	0	31	0	0	0
August	6.1	W.	15	W.	0	1	0	0	0	0	6	30	25	0	31	0	0	0	0	0	0	0	0	0	31	0	0	0
September	5.4	W.	19	W.	0	4	0	3	1	0	0	24	22	0	24	4	2	1	0	0	0	0	0	0	8	0	0	0
October	4.0	W.	18	W.	0	3	4	5	4	3	8	19	15	1	25	6	0	2	1	0	0	0	0	0	4	0	0	0
November	3.6	E.	19	NW.	0	5	4	17	3	1	2	14	11	3	20	10	0	1	1	0	0	0	0	0	0	1	0	0
December	3.5	W.	30	SW.	0	4	8	11	10	3	5	12	8	1	15	12	4	6	5	1	1	0	6	0	0	12	1	0
Year	5.4	W.	32	S.	0	38	30	88	47	14	60	229	217	7	237	81	47	45	37	3	1	0	16	0	92	19	2	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

GALVESTON, TEX.

[ϕ= 29° 18′ N.; λ=94° 50′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.161	30.583	29.810	56.5	58.4	63.8	54.1	59.0	73	19	54	55	91	90	0.458	0.471	0.90	0.77	3.9	3.9	6.1
February	30.069	30.668	29.807	59.7	62.5	66.9	57.6	62.2	75	36	56	56	86	82	.484	.501	.69	.36	5.1	4.8	4.8
March	30.040	30.255	29.766	63.1	66.7	70.5	61.6	66.0	76	48	57	59	83	78	.490	.525	3.88	2.35	6.1	5.3	4.9
April	29.904	30.202	29.619	68.6	70.5	75.5	65.3	70.4	82	53	65	65	90	85	.642	.638	7.63	4.97	6.0	6.6	5.2
May	29.973	30.202	29.678	72.4	76.3	79.7	70.6	75.2	93	56	65	66	78	71	.629	.643	1.90	.68	3.8	3.3	3.1
June	29.924	30.065	29.772	79.5	82.6	86.9	77.9	82.4	97	69	73	73	80	74	.802	.819	1.45	1.03	2.4	2.8	2.0
July	29.976	30.138	29.855	80.3	81.8	85.2	77.0	81.1	88	70	73	73	78	75	.804	.808	4.73	1.57	6.7	7.0	5.7
August	29.904	30.007	29.810	80.6	83.7	87.6	78.0	82.8	92	69	74	74	80	73	.827	.832	5.48	2.30	4.9	5.7	4.1
September	29.960	30.044	29.869	81.0	83.4	87.7	79.6	83.6	90	72	74	75	80	77	.849	.874	3.50	2.06	3.5	5.0	3.9
October	29.974	30.208	29.786	69.9	73.1	77.7	67.7	72.7	88	49	63	66	81	80	.611	.671	5.92	1.87	4.9	5.1	4.8
November	30.096	30.567	29.750	55.1	59.5	65.0	51.6	58.3	79	26	50	50	84	74	.414	.418	5.06	3.37	5.4	4.3	5.6
December	30.035	30.457	29.683	52.1	54.8	58.9	49.3	54.1	68	40	49	50	91	86	.369	.379	9.99	2.29	7.4	6.7	7.3
Year	30.001	30.668	29.619	68.2	71.1	75.4	65.9	70.6	97	19	63	64	84	79	.615	.632	51.13	4.97	5.0	5.0	4.8

GRAND HAVEN, MICH.

[ϕ= 43° 5′ N.; λ=86° 13′ W.]

January	29.397	29.860	28.566	25.5	27.3	32.6	20.7	26.6	44	6	22	23	86	84	0.124	0.131	2.22	0.37	8.3	7.7	7.8
February	29.402	29.915	28.808	27.2	29.7	34.4	23.1	28.8	51	5	22	23	81	76	.125	.130	2.31	.90	7.0	6.9	7.1
March	29.315	29.883	28.665	30.2	34.1	40.6	25.3	33.0	62	6	24	25	75	69	.128	.140	.98	.29	5.8	4.9	5.2
April	29.392	29.859	28.681	39.8	44.3	49.9	35.6	42.8	70	17	33	34	77	68	.202	.207	5.53	2.19	4.8	5.6	5.2
May	29.330	29.710	28.698	57.6	61.9	69.1	51.1	60.1	87	31	49	48	74	62	.374	.360	3.40	1.16	4.3	3.8	3.6
June	29.268	29.520	28.942	64.4	70.4	75.3	58.9	67.1	86	46	58	59	82	69	.495	.510	3.37	1.23	4.9	3.5	4.1
July	29.308	29.529	28.837	69.7	75.0	79.5	63.6	71.6	94	51	60	59	72	58	.528	.508	.88	.42	3.2	3.1	2.4
August	29.341	29.595	29.059	68.3	69.7	75.8	57.8	66.8	87	46	58	59	84	69	.501	.512	1.20	.50	4.7	3.5	4.0
September	29.366	29.640	29.045	56.7	61.5	68.8	52.1	60.4	84	40	53	54	87	77	.409	.420	5.88	1.77	5.3	5.1	4.9
October	29.371	29.675	28.908	46.2	49.8	55.8	42.9	49.4	76	32	42	43	85	79	.271	.289	6.74	2.20	6.8	5.8	6.9
November	29.256	29.945	28.523	34.2	36.7	41.3	30.5	35.9	71	15	29	30	82	75	.169	.171	4.93	2.18	8.4	8.2	7.8
December	29.389	29.888	28.643	32.3	33.3	37.9	27.7	32.8	56	13	29	29	86	85	.163	.167	3.14	.54	7.3	5.7	6.8
Year	29.345	29.945	28.523	45.6	49.5	55.1	40.8	47.9	94	5	40	40	81	73	.291	.295	40.58	2.20	5.9	5.3	5.5

GRAND JUNCTION, COLO.

[ϕ= 39° 4′ N.; λ=108° 34′ W.]

January	25.465	25.883	24.979	25.5	35.4	40.6	22.4	31.5	62	− 8	21	25	81	65	0.127	0.144	0.48	0.20	4.5	6.5	6.6
February	25.335	25.776	24.939	30.4	39.7	44.9	27.5	36.2	59	21	24	24	75	55	.127	.129	1.29	.22	5.0	4.7	5.6
March	25.430	25.721	25.137	37.8	54.5	58.8	35.6	47.2	72	24	29	28	72	41	.165	.158	.54	.26	4.7	4.6	4.5
April	25.267	25.738	24.936	41.9	62.3	66.1	39.3	52.7	76	23	27	23	58	25	.154	.136	.62	.32	3.1	4.5	4.0
May	25.269	25.551	24.890	52.3	73.3	76.7	49.4	63.0	88	37	30	30	45	21	.172	.168	.03	.03	3.4	4.7	4.1
June	25.353	25.593	25.068	60.7	80.8	85.2	57.5	71.4	95	46	41	39	52	27	.275	.253	.64	.41	3.3	5.6	4.5
July	25.424	25.618	25.202	64.4	81.5	86.9	62.6	74.8	96	54	50	47	61	34	.370	.334	.84	.40	3.7	6.7	4.9
August	25.388	25.560	25.155	62.9	86.2	89.8	61.8	75.8	97	54	44	40	53	22	.303	.265	.35	.11	3.2	4.2	3.2
September	25.397	25.565	25.153	58.1	74.0	79.7	55.7	67.7	89	47	42	41	57	37	.279	.282	1.30	.32	4.1	5.2	4.9
October	25.428	25.677	25.057	39.9	55.7	62.1	36.8	49.4	74	23	32	34	73	46	.188	.204	1.53	1.16	2.5	3.1	3.2
November	25.465	25.870	24.854	28.2	40.3	47.2	25.1	36.2	60	10	22	24	77	52	.122	.134	.60	.36	3.4	3.1	3.8
December	25.382	25.857	25.062	18.2	30.4	37.3	13.9	25.6	50	− 4	13	17	77	55	.077	.091	.20	.10	3.5	4.0	4.1
Year	25.384	25.883	24.854	43.4	59.5	64.6	40.6	52.6	97	− 8	31	31	65	40	.197	.192	8.42	1.16	3.7	4.7	4.4

GRAND RAPIDS, MICH.

[ϕ=42° 58′ N.; λ=85° 40′ W.]

January	29.324	29.780	28.634	25.1	27.8	33.3	20.5	26.9	48	4	22	24	87	87	0.125	0.138	1.57	0.28	8.0	6.7	7.1
February	29.323	29.822	28.746	26.8	30.1	35.3	23.2	29.2	55	10	23	25	85	81	.131	.138	2.33	.93	7.6	7.1	7.1
March	29.238	29.826	28.586	30.6	36.2	43.9	26.4	35.2	70	6	24	27	76	69	.134	.148	.73	.27	5.4	5.2	5.7
April	29.316	29.784	28.595	41.5	47.9	54.4	37.1	45.8	77	19	35	36	77	65	.217	.223	4.20	1.77	5.0	5.9	5.5
May	29.260	29.649	28.639	60.3	67.5	74.8	54.3	64.6	92	32	51	51	73	57	.407	.411	7.18	3.22	4.0	3.9	4.8
June	29.196	29.457	28.855	65.9	74.6	80.5	60.2	70.4	95	49	59	60	79	64	.504	.540	4.76	1.29	5.1	3.9	5.3
July	29.238	29.471	28.792	68.9	78.7	84.0	63.4	73.7	100	51	59	57	72	50	.517	.495	1.27	.58	3.4	3.0	3.6
August	29.268	29.532	29.000	63.8	73.4	79.4	59.4	69.4	92	45	58	57	81	57	.492	.473	2.29	.87	5.1	3.1	5.1
September	29.295	29.571	28.985	57.3	64.2	72.0	52.7	62.4	89	40	53	55	85	73	.411	.441	7.58	1.80	5.5	4.3	5.4
October	29.305	29.602	28.951	46.1	49.8	56.7	42.6	49.6	74	32	42	44	88	79	.276	.293	6.71	2.11	6.7	5.6	7.4
November	29.182	29.864	28.494	33.4	35.7	41.1	29.4	35.2	72	14	31	30	90	80	.179	.176	3.88	1.68	8.0	6.7	8.2
December	29.318	29.812	28.579	31.5	33.4	38.0	27.5	32.8	60	13	29	30	90	88	.166	.176	2.56	.68	8.1	5.7	7.3
Year	29.272	29.864	28.494	45.9	51.6	57.8	41.4	49.6	100	4	40	41	82	71	.297	.304	45.11	3.22	6.0	5.1	6.0

Annual meteorological summary for the year ending December 31, 1911—Continued.

GALVESTON, TEX.

[H=54 ft.; h_t=106 ft.; h_r=98 ft.; h_a=112 ft.]

Month.	Wind.														Number of days.														
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	11.3	SE.	39	NW.	0	2	5	8	25	12	5	0	5	0	6	14	11	13	4	0	0	0	15	0	0	3	1	0
February	13.2	SE.	44	NW.	1	9	4	4	23	11	1	1	3	0	8	16	4	8	4	0	0	0	6	0	0	0	0	0
March	11.2	S.	32	N.	0	7	12	2	17	17	4	1	2	0	13	12	6	6	6	0	0	0	4	0	0	0	3	0
April	13.8	SE.	54	NE.	3	3	9	6	20	17	2	2	1	0	7	14	9	11	9	0	0	0	0	0	0	0	6	0
May	10.8	SE.	40	NE.	1	3	12	5	25	11	1	0	5	0	21	8	2	7	5	0	0	0	0	0	2	0	5	0
June	10.1	S.	42	NE.	1	0	1	0	8	27	11	11	1	1	25	3	2	4	4	0	0	0	0	0	5	0	4	0
July	10.0	S.	30	SE.	0	3	0	1	15	25	11	4	1	2	7	16	8	15	15	0	0	0	0	0	0	0	12	0
August	9.9	S.	38	E.	0	3	4	3	5	32	4	8	3	0	11	18	2	10	8	0	0	0	0	0	4	0	11	0
September	9.2	SE.	23	SW.	0	1	7	6	25	18	1	0	2	0	13	15	2	10	6	0	0	0	0	0	1	0	14	0
October	10.6	N.	42	NW.	1	19	7	6	11	10	4	0	3	2	16	4	11	9	9	0	0	0	0	0	0	0	6	0
November	12.9	SE.	46	NW.	2	16	9	4	15	4	2	2	8	0	10	10	10	6	5	0	0	0	3	0	0	1	2	0
December	12.4	E.	42	NW.	1	14	10	14	4	4	4	3	8	1	6	6	19	16	15	0	0	0	5	0	0	0	2	0
Year	11.3	SE.	54	NE.	10	80	80	59	193	188	50	32	42	6	143	136	86	115	90	0	0	0	33	0	12	4	66	0

GRAND HAVEN, MICH.

[H=632 ft.; h_t=54 ft.; h_r=49 ft.; h_a=92 ft.]

January	13.5	S.	56	W.	5	3	5	7	8	9	11	8	11	0	5	5	21	18	12	15	11	0	1	13	0	26	0	0
February	13.9	NW.	40	W.	1	7	3	8	6	5	8	4	15	0	6	7	15	13	8	13	8	0	3	9	0	20	0	0
March	13.7	NW.	44	NW.	2	12	0	4	11	6	6	5	17	1	11	10	10	11	6	14	7	0	0	2	0	28	0	0
April	10.6	W.	38	W.	0	5	5	12	9	3	5	11	10	0	9	12	9	13	9	4	3	0	0	1	0	11	3	0
May	11.6	S.	37	W.	0	4	3	4	8	19	10	10	4	0	16	11	4	10	7	1	1	0	0	0	0	1	10	0
June	9.5	W.	43	SW.	2	5	5	8	6	2	15	10	9	0	13	13	4	12	11	0	0	0	2	0	0	0	8	0
July	11.3	S.	51	W.	2	4	1	2	4	24	11	9	7	0	25	4	2	7	6	0	0	0	0	0	3	0	7	0
August	8.4	SW.	37	W.	0	7	4	5	11	10	10	2	13	0	14	14	3	8	6	0	0	0	1	0	0	0	7	0
September	9.2	E.	39	N.	0	15	2	10	7	11	8	0	5	2	12	9	9	12	10	0	0	0	0	0	0	0	9	0
October	10.4	E.	46	W.	2	10	8	13	10	4	5	10	2	0	5	9	17	15	12	2	1	0	2	0	0	1	2	0
November	16.6	W.	49	W.	6	7	1	5	7	7	10	17	6	0	3	9	18	18	15	13	11	0	0	1	0	18	2	0
December	12.9	SW.	44	SW.	3	2	3	10	11	6	13	12	5	0	7	6	18	17	15	13	9	0	2	5	0	22	0	0
Year	11.8	SW.	56	W.	23	81	40	88	98	106	112	98	104	3	126	109	130	154	117	75	51	1	11	31	3	125	48	0

GRAND JUNCTION, COLO.

[H=4,602 ft.; h_t=43 ft.; h_r=37 ft.; h_a=51 ft.]

January	3.6	NW.	24	SW.	0	5	3	7	7	5	0	8	26	1	5	10	16	5	5	2	2	0	1	8	0	21	0	0
February	4.3	NW.	24	S.	0	4	0	7	10	6	2	3	22	2	9	9	10	14	11	13	13	0	0	0	0	23	0	0
March	4.7	SE.	28	W.	0	3	3	8	13	3	4	8	15	3	12	13	6	8	4	3	0	0	0	0	0	9	1	0
April	6.2	SE.	27	SW.	0	5	3	8	15	7	3	9	10	0	13	14	3	8	6	1	0	2	0	0	0	5	2	0
May	7.7	SE.	37	S.	0	3	2	7	19	7	5	10	9	0	12	18	1	1	0	0	0	1	0	0	0	0	2	0
June	5.8	SE.	33	S.	0	4	5	9	15	4	6	7	7	3	12	13	5	6	4	0	0	0	0	0	4	0	9	0
July	5.3	SE.	29	SE.	0	1	3	9	23	5	4	7	10	0	10	14	7	7	3	0	0	0	0	0	12	0	13	0
August	5.7	SE.	34	NW.	0	8	2	10	23	4	5	3	7	0	19	8	4	6	4	0	0	0	0	0	17	0	13	0
September	5.7	SE.	34	SW.	0	7	1	7	22	5	5	0	10	3	12	8	10	11	8	0	0	1	0	0	0	0	13	0
October	3.8	NW.	19	SW.	0	11	3	4	12	3	0	5	23	1	19	7	5	6	4	1	0	0	1	0	0	7	1	0
November	4.2	SE.	33	W.	0	9	7	5	13	5	5	5	10	1	16	9	5	4	3	3	1	0	0	2	0	21	1	0
December	3.4	SE.	17	SE.	0	8	5	5	18	2	4	5	13	2	14	11	6	5	3	8	5	0	0	6	0	31	0	0
Year	5.0	SE.	37	S.	0	68	37	86	192	56	43	70	162	16	153	134	78	81	55	31	21	4	2	16	33	117	55	0

GRAND RAPIDS, MICH.

[H=707 ft.; h_t=70 ft.; h_r=70 ft.; h_a=87 ft.]

January	7.9	S.	34	W.	0	2	6	4	12	10	12	7	9	0	5	11	15	13	11	16	7	0	1	10	0	27	0	0
February	9.0	NW.	28	W.	0	5	6	5	8	6	7	6	13	0	5	7	16	11	8	12	6	0	0	10	0	21	1	0
March	8.5	W.	30	W.	0	8	2	7	9	7	6	11	12	0	9	8	14	10	5	14	5	0	0	3	0	24	0	0
April	7.3	SE.	26	W.	0	10	6	7	15	3	2	11	6	0	10	9	11	14	8	4	3	0	0	1	0	12	2	0
May	5.8	SW.	26	SW.	0	2	3	4	10	13	16	4	10	0	10	14	7	10	10	1	0	2	0	0	1	3	8	0
June	5.6	W.	24	N.	0	7	4	4	12	3	12	11	7	0	9	13	8	11	10	0	0	1	0	0	5	0	7	0
July	5.9	W.	31	W.	0	2	3	1	7	14	11	14	10	0	17	11	3	6	5	0	0	0	0	0	8	0	5	0
August	4.7	W.	18	NW.	0	3	5	6	9	6	8	11	14	0	9	15	7	10	7	0	0	0	0	2	0	4	0	0
September	5.2	SE.	27	NW.	0	7	4	8	10	4	10	5	10	2	10	8	12	11	9	0	0	1	4	0	0	0	9	0
October	6.1	SE.	35	W.	0	2	9	7	17	6	6	6	9	0	4	8	19	15	13	2	1	0	3	0	0	2	2	0
November	8.9	W.	31	SW.	0	0	1	2	12	11	11	15	8	0	3	6	21	16	12	12	10	0	0	4	0	20	2	0
December	6.9	S.	27	SW.	0	1	6	2	11	10	13	11	8	0	6	5	20	16	11	11	10	0	2	3	0	25	0	0
Year	6.8	SE.	35	W.	0	49	55	57	132	93	114	112	116	2	97	115	153	143	109	72	42	4	10	31	16	134	40	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

GREEN BAY, WIS.

[ϕ=44° 31′ N.; λ=88° 0′ W.]

Month.	Pressure.			Temperature.							Moisture.								Cloudiness.		
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.				
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.391	29.901	28.522	14.0	19.0	24.6	8.4	16.5	38	−18	10	14	81	81	0.080	0.093	0.87	0.63	6.8	7.0	7.3
February	29.414	29.960	28.878	20.7	27.2	31.2	18.0	24.6	46	2	15	19	77	72	.094	.109	1.96	1.07	6.7	6.9	7.4
March	29.306	29.821	28.659	27.7	34.5	40.8	25.1	33.0	67	4	20	24	70	66	.110	.134	.75	.19	5.5	6.6	6.6
April	29.399	29.915	28.673	37.7	45.3	51.3	34.6	43.0	75	15	31	32	75	61	.182	.188	1.43	.49	5.4	6.7	6.3
May	29.307	29.709	28.746	54.3	64.2	69.9	49.3	59.6	88	22	47	50	77	61	.345	.385	5.72	1.30	6.0	6.7	6.3
June	29.261	29.541	28.945	65.0	72.6	79.3	59.0	69.2	95	49	58	60	79	66	.492	.532	2.23	1.24	6.0	6.6	6.2
July	29.288	29.543	28.750	65.4	75.0	80.8	60.0	70.4	97	48	57	57	76	56	.481	.479	1.59	.38	4.5	6.3	5.6
August	29.338	29.633	29.024	61.5	71.4	76.5	57.3	66.9	90	45	55	55	80	58	.447	.451	1.56	.63	5.7	5.5	6.6
September	29.373	29.648	29.043	54.8	60.8	68.2	51.1	59.6	88	38	50	51	85	72	.374	.384	5.16	1.61	5.5	6.6	6.8
October	29.381	29.722	28.830	42.4	48.4	53.7	40.7	47.2	67	24	38	40	85	72	.244	.262	4.68	2.08	7.7	6.5	7.4
November	29.255	30.000	28.468	26.1	30.0	35.4	21.9	28.6	66	5	22	24	81	79	.126	.136	2.54	.67	7.2	7.3	8.0
December	29.368	29.886	28.694	26.4	29.2	34.3	23.0	28.6	51	− 6	22	24	82	81	.123	.135	2.20	.78	7.4	6.1	7.3
Year	29.340	30.000	28.468	41.3	48.1	53.8	37.4	45.6	97	−18	35	38	79	69	.258	.274	30.69	2.08	6.2	6.6	6.8

HANNIBAL, MO.

[ϕ=39° 41′ N.; λ=91° 20′ W.]

January	29.582	29.982	29.102	27.8	.....	40.2	21.1	30.6	71	− 8	22	....	80	....	0.141	.....	1.82	1.33	7.0	.....	7.3
February	29.580	30.149	28.983	30.8	.....	43.5	27.2	35.4	76	14	25	....	79	....	.148	.....	2.38	.71	5.7	.....	5.5
March	29.486	29.946	29.001	35.6	.....	54.9	32.6	43.8	82	18	28	....	74	....	.160	.....	2.57	1.32	3.9	.....	4.3
April	29.468	29.952	28.793	45.8	.....	60.2	42.6	51.4	76	31	38	....	76	....	.251	.....	3.56	.78	6.1	.....	6.2
May	29.435	29.844	29.001	62.2	.....	80.6	58.2	69.4	93	35	52	....	72	....	.413	.....	.70	.41	3.8	.....	3.6
June	29.368	29.546	29.098	72.2	.....	89.9	67.5	78.7	100	56	62	....	72	....	.570	.....	1.32	.38	4.1	.....	3.8
July	29.441	29.670	29.103	70.9	.....	88.5	65.9	77.2	104	50	61	....	73	....	.563	.....	2.58	.88	3.1	.....	4.4
August	29.428	29.689	29.247	67.4	.....	85.4	64.5	75.0	98	49	62	....	83	....	.566	.....	1.46	1.04	5.1	.....	5.2
September	29.457	29.723	29.296	64.6	.....	80.6	62.4	71.5	95	49	61	....	89	....	.556	.....	11.64	2.54	6.2	.....	5.6
October	29.488	29.867	29.104	49.3	.....	62.4	46.3	54.4	88	31	45	....	85	....	.315	.....	1.66	1.02	6.8	.....	6.3
November	29.479	30.290	28.854	33.5	.....	45.7	27.4	36.6	82	6	27	....	77	....	.167	.....	2.30	.87	4.8	.....	5.1
December	29.525	29.927	28.993	31.6	.....	42.3	27.7	35.0	59	4	27	....	83	....	.157	.....	2.48	.82	5.0	.....	5.0
Year	29.478	30.290	28.793	49.3	.....	64.5	45.3	54.9	104	− 8	42	....	79	....	.334	.....	34.47	2.54	5.1	.....	5.2

HARRISBURG, PA.

[ϕ=40° 16′ N.; λ=76° 52′ W.]

January	29.776	30.315	29.070	30.3	34.8	40.1	27.0	33.6	56	15	23	25	73	67	0.127	0.143	2.36	0.66	6.8	5.5	6.5
February	29.735	30.224	29.282	29.1	34.0	37.9	26.2	32.0	57	17	22	24	74	65	.121	.128	1.94	.63	7.1	6.7	6.7
March	29.646	30.222	28.821	31.7	38.6	45.3	28.6	37.0	68	12	21	25	65	58	.121	.136	2.93	.78	5.9	4.7	5.9
April	29.745	30.217	29.191	43.3	52.0	57.5	39.7	48.6	77	23	32	34	65	54	.189	.218	3.03	.90	6.7	6.1	6.6
May	29.652	30.005	29.115	62.8	70.8	79.6	57.2	68.4	94	38	50	51	65	53	.394	.417	2.26	1.14	4.3	5.3	4.9
June	29.563	29.820	29.280	65.9	72.3	79.9	61.5	70.7	96	53	57	58	75	64	.478	.494	2.23	1.10	5.8	6.3	6.1
July	29.629	29.842	29.290	72.4	79.8	87.4	67.3	77.4	100	55	61	61	68	55	.546	.558	1.81	.76	4.3	6.1	5.3
August	29.641	29.838	29.373	69.1	74.0	80.6	64.8	72.7	94	54	62	63	80	70	.577	.586	9.73	2.41	6.4	6.2	6.3
September	29.683	29.988	29.328	62.3	68.1	74.8	58.3	66.6	85	46	56	58	82	70	.470	.495	3.68	1.12	5.9	3.6	5.0
October	29.705	30.138	29.328	49.7	56.5	62.1	47.2	54.6	79	33	44	46	81	71	.296	.327	2.80	1.23	5.3	5.7	6.2
November	29.679	30.215	29.022	36.7	41.0	47.1	33.2	40.2	66	21	29	30	72	64	.166	.172	2.38	.79	6.6	5.0	6.2
December	29.785	30.167	29.131	35.4	38.7	44.2	32.9	38.6	62	23	29	30	77	72	.167	.176	2.75	.61	7.2	6.3	6.6
Year	29.687	30.315	28.821	49.1	55.0	61.4	45.3	53.4	100	12	40	42	73	64	.304	.320	37.90	2.41	6.0	5.6	6.0

HARTFORD, CONN.

[ϕ=41° 46′ N.; λ=72° 40′ W.]

January	29.957	30.493	29.019	28.0	31.8	38.2	22.8	30.5	52	7	21	22	73	65	0.127	0.132	2.77	0.94	7.1	5.4	7.1
February	29.927	30.441	29.414	23.2	28.4	33.7	18.5	26.1	54	1	15	18	70	66	.091	.104	2.64	1.36	6.6	5.6	6.2
March	29.811	30.506	28.946	29.5	36.1	43.0	25.8	34.4	67	9	20	23	65	58	.115	.133	3.89	1.03	5.6	3.9	5.5
April	29.902	30.525	29.435	40.1	46.7	55.8	35.3	45.6	85	21	29	29	64	53	.168	.174	3.18	1.64	4.5	3.9	5.2
May	29.866	30.242	29.376	59.9	63.4	74.3	52.2	63.2	93	32	49	48	68	60	.374	.365	1.22	.50	5.6	4.5	5.8
June	29.758	30.052	29.437	63.7	68.1	76.1	57.2	66.6	88	50	54	56	73	67	.430	.460	2.55	.98	6.0	6.0	6.4
July	29.822	30.103	29.423	72.2	76.4	85.8	65.0	75.4	100	56	62	63	71	65	.562	.588	2.97	.98	4.9	5.7	5.6
August	29.858	30.137	29.452	66.4	71.1	79.9	60.9	70.4	94	49	59	59	79	69	.511	.517	5.56	1.54	6.0	5.9	6.4
September	29.890	30.257	29.461	59.4	63.7	71.9	53.7	62.8	83	37	53	55	80	75	.424	.453	2.00	.63	5.9	4.4	5.9
October	29.920	30.383	29.404	46.1	53.3	60.5	43.0	51.8	71	31	41	45	82	75	.264	.317	7.30	4.67	5.9	4.9	6.4
November	29.837	30.307	29.175	35.7	39.9	47.5	31.5	39.5	67	23	28	30	74	67	.168	.180	4.18	1.23	6.4	4.6	6.4
December	29.965	30.380	29.266	32.4	37.2	42.9	29.9	36.4	64	13	27	27	79	67	.154	.158	3.36	1.30	7.1	5.0	7.2
Year	29.881	30.525	28.946	46.4	51.3	59.1	41.3	50.2	100	1	38	40	73	66	.282	.298	41.62	4.67	6.0	5.0	6.2

Annual meteorological summary for the year ending December 31, 1911—Continued.

GREEN BAY, WIS.

[H=617 ft.; h_1=109 ft.; h_2=101 ft.; h_3=144 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	12.0	S.	44	NW.	4	12	3	0	8	11	15	8	5	0	6	7	18	10	4	11	7	0	2	21	0	30	0	0
February	13.3	SW.	43	S.	1	8	8	3	2	7	11	11	6	0	4	8	16	12	9	12	8	0	1	14	0	27	0	0
March	13.9	S.	44	NW.	1	7	4	1	12	10	8	8	12	0	7	9	15	10	5	9	7	0	2	5	0	24	1	0
April	11.6	SE.	42	W.	1	5	8	3	17	12	4	8	3	0	7	11	12	10	6	2	1	0	0	2	0	13	0	0
May	12.0	S.	68	N.	1	6	8	5	14	13	6	4	6	0	6	15	10	13	11	1	1	0	1	0	0	3	8	0
June	9.4	S.	36	W.	0	5	5	7	10	10	16	3	4	0	3	22	5	8	7	0	0	0	1	0	4	0	5	0
July	11.6	S.	56	NW.	5	6	2	3	5	13	21	9	3	0	7	18	6	14	10	0	0	0	0	0	5	0	7	0
August	9.4	S.	39	S.	0	4	6	7	9	15	8	8	5	0	2	21	8	8	7	0	0	0	0	0	1	0	7	0
September	10.8	SE.	40	N.	1	7	9	5	11	9	9	6	4	0	6	10	14	14	11	0	0	0	3	0	0	0	7	0
October	10.5	SW.	46	W.	1	3	11	2	10	4	15	8	9	0	5	8	18	10	10	3	1	0	2	0	0	5	2	0
November	13.3	SW.	45	N.	2	2	1	2	6	12	17	11	9	0	2	9	19	14	9	13	10	0	2	11	0	26	1	0
December	11.1	S.	48	N.	2	7	8	5	3	17	17	4	1	0	5	9	17	9	7	11	8	0	5	10	0	29	0	0
Year	11.6	SW.	68	N.	19	72	73	43	107	133	147	88	67	0	60	147	158	132	96	62	43	0	19	63	10	157	38	0

HANNIBAL, MO.

[H=534 ft.; h_1=74 ft.; h_2=68 ft.; h_3=109 ft.]

January	10.1	SW.	38	SW.	0	4	3	2	2	4	7	3	6	0	5	8	18	8	6	8	3	0	0	10	0	24	1	0
February	10.1	NW.	34	NW.	0	2	3	1	4	1	5	4	8	0	11	3	14	10	8	6	4	0	1	4	0	20	1	0
March	10.8	SW.	39	W.	0	3	3	1	7	1	4	7	5	0	13	10	8	10	8	3	1	0	1	0	0	17	4	0
April	9.8	E.	38	S.	0	4	4	5	4	5	3	4	1	0	8	9	13	12	12	0	0	0	2	1	0	3	5	0
May	9.9	SW.	34	S.	0	2	3	1	2	2	17	3	1	0	16	12	3	5	4	0	0	0	0	0	4	0	6	0
June	8.7	SW.	33	SW.	0	2	3	3	6	2	8	2	4	0	14	12	4	10	9	0	0	1	0	0	15	0	10	0
July	8.3	SW.	29	SW.	0	3	0	0	3	6	12	4	3	0	12	12	7	9	7	0	0	0	1	0	11	0	7	0
August	7.1	E.	33	NW.	0	6	2	7	4	1	7	2	2	0	11	9	11	5	3	0	0	0	0	0	9	0	3	0
September	7.9	SW.	34	NE.	0	4	6	3	3	1	8	1	4	0	9	11	10	17	13	0	0	0	2	0	4	0	12	0
October	8.2	SW.	30	SW.	0	8	2	4	1	2	8	4	2	0	8	8	15	11	6	1	0	0	2	0	0	1	3	0
November	11.4	SW.	54	SW.	1	2	1	2	1	5	9	4	6	0	10	12	8	12	7	9	5	1	0	4	0	21	2	0
December	9.3	SW.	44	SW.	1	1	1	6	0	4	12	4	3	0	12	10	9	9	8	6	3	0	2	2	0	25	0	0
Year	9.3	SW.	54	SW.	2	41	31	35	37	34	100	42	45	0	129	116	120	118	91	33	16	4	10	20	43	111	54	0

HARRISBURG, PA.

[H=374 ft.; h_1=94 ft.; h_2=88 ft.; h_3=104 ft.]

January	6.8	NW.	36	W.	0	5	5	9	4	8	7	8	16	0	9	6	16	13	9	5	3	0	2	6	0	20	0	0
February	8.1	NW.	29	W.	0	3	4	9	5	5	2	9	19	0	7	6	15	12	8	10	5	0	1	5	0	23	1	0
March	9.7	NW.	40	NW.	1	6	5	7	5	5	8	16	10	0	9	7	15	12	11	10	6	0	2	2	0	20	2	0
April	7.5	NW.	30	NW.	0	7	5	11	7	6	6	5	13	0	5	10	15	13	9	10	6	0	1	0	0	3	0	0
May	5.6	W.	36	W.	0	2	5	12	6	10	5	7	15	0	11	13	7	9	7	0	0	0	0	0	4	0	8	0
June	6.4	E.	30	NW.	0	6	6	9	5	4	4	15	11	0	7	10	13	13	11	0	0	0	0	3	0	9	0	0
July	5.5	W.	32	SE.	0	5	5	3	11	7	6	17	8	0	7	20	4	6	4	0	0	0	0	0	10	0	8	0
August	5.7	E.	31	NW.	0	2	7	16	9	7	5	9	7	0	7	7	17	16	14	0	0	0	0	3	0	8	0	0
September	5.2	E.	22	NW.	0	7	6	13	7	5	2	8	11	1	11	12	7	11	8	0	0	0	4	0	0	0	0	0
October	5.8	N.	26	NW.	0	13	9	8	7	4	7	3	11	0	8	10	13	10	7	0	0	0	3	0	0	0	0	0
November	8.9	NW.	38	NW.	0	2	0	10	9	5	5	13	16	0	9	6	15	9	8	4	2	0	2	1	0	16	0	0
December	6.1	E.	36	NW.	0	3	7	14	5	2	7	11	12	1	9	4	18	12	10	6	4	0	2	1	0	15	0	0
Year	6.7	NW.	40	NW.	1	61	64	121	80	68	64	121	149	2	99	111	155	136	106	45	26	0	17	15	20	97	36	0

HARTFORD, CONN.

[H=159 ft.; h_1=122 ft.; h_2=116 ft.; h_3=140 ft.]

January	8.3	NW.	42	NW.	2	13	1	1	2	9	16	2	18	0	6	8	17	12	12	7	2	0	1	7	0	26	1	0
February	8.4	NW.	30	NW.	0	19	2	2	0	5	8	3	17	0	7	9	12	10	10	14	3	0	0	12	0	27	1	1
March	10.3	NW.	39	NW.	0	11	2	2	0	12	8	8	17	2	10	8	13	12	11	7	4	1	3	5	0	23	3	0
April	8.5	NW.	30	W.	0	11	9	2	3	11	6	5	13	0	12	8	10	9	7	4	3	0	0	0	0	11	0	1
May	7.7	S.	27	W.	0	11	9	1	2	25	7	1	6	0	9	13	9	10	5	0	0	0	0	0	1	1	6	0
June	6.4	N.	27	NW.	0	14	10	5	2	7	9	1	12	0	7	10	13	9	7	0	0	0	0	0	0	0	4	0
July	6.9	S.	39	SW.	0	8	4	0	6	21	11	2	10	0	5	18	8	10	5	0	0	0	0	0	9	0	9	1
August	6.5	S.	25	SW.	0	15	6	3	3	22	5	1	7	0	7	11	13	10	10	0	0	0	0	0	2	0	7	0
September	6.9	N.	27	S.	0	21	5	1	5	10	6	3	9	0	9	12	9	12	9	0	0	0	1	0	0	0	2	0
October	6.5	N.	28	NW.	0	23	4	4	1	15	8	1	5	1	7	9	15	13	10	0	0	0	4	0	0	1	0	1
November	9.1	SW.	44	S.	2	10	4	0	1	11	15	10	9	0	5	13	12	12	10	8	3	0	1	0	0	18	0	0
December	6.8	N.	42	NW.	1	16	1	1	0	11	8	5	20	0	7	4	20	10	9	8	3	0	1	4	0	19	0	0
Year	7.7	N.	44	S.	5	172	57	22	25	159	107	42	143	3	91	123	151	129	105	48	24	1	11	28	12	126	33	4

Annual meteorological summary for the year ending December 31, 1911—Continued.

HATTERAS, N. C.

[ϕ=35° 15′ N.; λ=75° 40′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.222	30.687	29.681	45.3	47.0	54.7	41.6	48.2	69	32	42	44	89	88	0.280	0.298	1.08	0.56	4.4	3.2	4.7
February	30.126	30.578	29.629	45.6	47.0	53.9	41.8	47.8	64	30	41	43	85	87	.266	.290	.88	.36	4.5	4.0	5.4
March	30.067	30.575	29.416	48.5	49.4	56.5	44.0	50.2	67	31	42	46	78	87	.277	.317	5.63	1.50	4.5	3.2	4.1
April	30.138	30.506	29.576	57.0	55.7	63.5	51.4	57.4	72	43	50	50	78	84	.369	.382	1.64	.33	4.7	5.2	5.1
May	30.053	30.285	29.784	68.1	65.7	74.0	62.1	68.0	83	50	62	62	81	87	.580	.566	.70	.49	4.0	3.7	3.8
June	29.953	30.152	29.685	75.8	73.8	81.2	70.3	75.8	90	63	69	70	80	87	.716	.733	2.75	1.48	4.8	5.5	4.0
July	30.052	30.269	29.782	80.1	76.9	84.7	73.3	79.0	88	67	72	72	78	84	.809	.772	1.03	.38	3.8	4.4	3.7
August	30.023	30.186	29.841	80.4	78.1	85.1	74.1	79.6	91	63	73	72	78	82	.805	.783	3.61	2.36	4.1	3.8	3.5
September	30.054	30.312	29.775	76.3	74.3	81.3	70.8	76.0	86	62	70	69	82	84	.748	.728	5.08	1.60	3.5	3.0	4.0
October	30.043	30.329	29.751	66.9	65.5	72.1	62.2	67.2	85	55	61	62	83	87	.551	.553	2.43	1.29	5.7	4.1	5.2
November	30.095	30.535	29.596	53.9	55.0	62.8	48.3	53.6	72	37	49	50	85	83	.375	.380	1.05	.49	4.7	3.0	4.9
December	30.170	30.520	29.775	49.3	51.3	58.2	45.3	51.8	69	34	45	46	84	84	.316	.338	3.76	1.08	5.4	4.1	5.2
Year	30.082	30.687	29.416	62.3	61.6	69.0	57.1	63.0	91	30	56	57	82	85	.507	.512	29.64	2.36	4.5	3.9	4.5

HAVRE, MONT.

[ϕ=48° 34′ N.; λ=109° 40′ W.]

January	27.303	27.916	26.739	−2.9	2.6	13.7	−10.5	1.6	42	−38	−6	−1	85	84	0.044	0.053	1.42	0.67	4.9	6.2	5.7
February	27.435	28.088	26.856	0.6	12.0	17.9	−7.2	5.4	37	−27	−2	9	90	88	.042	.070	.60	.40	2.1	4.0	3.6
March	27.296	27.896	26.754	29.3	42.5	46.3	25.7	36.0	70	0	23	31	78	64	.128	.175	.16	.09	4.2	5.3	5.2
April	27.207	27.696	26.944	31.2	49.8	53.5	28.6	41.0	78	6	28	31	86	55	.153	.182	1.29	.97	5.0	6.3	5.5
May	27.247	27.527	26.752	44.1	61.9	65.5	41.7	53.6	91	31	39	42	82	51	.240	.274	1.45	.75	4.9	5.8	6.0
June	27.265	27.656	26.988	57.2	73.1	77.9	54.0	66.0	93	43	52	55	83	55	.393	.435	2.14	.44	4.0	5.7	4.3
July	27.383	27.760	27.021	53.7	75.7	79.2	52.1	65.6	96	44	48	52	82	46	.342	.394	1.13	.32	3.0	4.4	3.5
August	27.380	27.685	27.124	50.4	72.6	75.9	49.5	62.7	90	31	47	51	88	49	.327	.380	2.24	.74	4.5	4.1	4.1
September	27.359	27.583	27.120	44.2	58.6	62.6	42.6	52.6	82	26	41	46	88	66	.263	.317	5.99	2.70	4.7	5.1	4.8
October	27.426	27.971	26.981	35.9	48.1	54.7	33.8	44.2	79	11	32	40	86	73	.187	.257	.80	.67	4.3	3.7	4.4
November	27.412	28.004	26.918	17.1	28.3	30.0	11.9	21.0	54	−17	14	19	87	83	.095	.116	1.19	.41	4.8	5.9	6.5
December	27.312	27.637	26.610	17.9	23.3	30.6	13.9	22.2	49	−28	15	20	88	87	.101	.121	.33	.28	2.7	5.9	6.1
Year	27.343	28.088	26.610	31.6	45.3	50.6	28.0	39.3	96	−38	28	33	85	67	.193	.231	18.99	2.70	4.1	5.2	5.0

HELENA, MONT.

[ϕ=46° 34′ N.; λ=112° 4′ W.]

January	25.679	26.192	25.139	15.5	19.2	26.5	9.0	17.8	49	−27	10	12	80	76	0.081	0.087	1.75	0.52	5.8	6.6	6.1
February	25.802	26.297	25.325	13.5	22.7	26.4	10.0	18.2	45	− 6	9	14	83	68	.065	.080	.22	.07	4.2	4.4	4.2
March	25.776	26.120	25.335	32.4	45.1	49.3	28.8	39.0	62	3	20	23	61	43	.106	.120	.48	.28	4.9	4.5	3.8
April	25.730	26.172	25.338	30.3	46.4	50.7	28.7	39.7	66	20	24	23	79	44	.133	.128	1.05	.40	5.2	5.8	5.7
May	25.713	26.012	25.277	40.1	55.7	60.8	38.3	49.6	85	30	34	36	78	52	.194	.216	2.07	.70	5.1	7.1	6.1
June	25.769	26.084	25.446	52.2	66.9	73.0	49.8	61.4	88	38	48	51	85	60	.334	.384	3.32	.60	6.2	7.1	6.4
July	25.870	26.151	25.559	51.4	73.7	78.0	49.0	63.5	93	40	44	46	77	39	.291	.318	.67	.51	3.4	3.4	3.3
August	25.841	26.066	25.633	51.1	70.5	74.4	49.3	61.8	90	38	42	42	72	39	.266	.269	.87	.38	5.1	5.1	4.8
September	25.811	25.995	25.627	42.6	57.4	62.6	39.8	51.2	86	25	35	42	77	59	.211	.273	2.24	1.55	4.3	5.4	5.3
October	25.869	26.218	25.449	34.4	44.2	50.6	30.8	40.7	76	16	29	34	80	70	.160	.198	2.40	1.39	4.3	4.4	4.7
November	25.802	26.335	25.320	24.8	29.1	35.6	19.2	27.4	50	−14	19	21	77	72	.115	.125	.64	.32	4.7	5.9	6.2
December	25.767	26.112	25.211	20.7	24.9	30.1	15.8	23.0	46	−19	15	17	76	70	.093	.100	.30	.12	3.8	6.5	6.5
Year	25.786	26.335	25.139	34.1	46.3	51.5	30.7	41.1	93	−27	27	30	77	58	.171	.192	16.01	1.55	4.8	5.5	5.3

HONOLULU, HAWAII.

[ϕ=21° 19′ N.; λ=157° 52′ W.]

January	29.908	30.035	29.696	70.2	69.8	74.7	65.2	70.0	79	58	60	61	71	74	0.524	0.538	4.04	1.40	7.4	6.5	7.3
February	29.979	30.111	29.846	70.1	69.1	74.9	64.7	69.8	78	62	61	62	73	80	.540	.565	7.96	2.73	5.2	5.6	5.6
March	29.932	30.084	29.698	71.6	70.3	76.5	66.2	71.4	80	63	62	63	74	77	.571	.572	2.13	1.39	6.5	5.8	6.1
April	29.976	30.085	29.896	73.9	72.1	78.1	68.5	73.3	82	61	62	63	68	74	.568	.584	1.70	.93	7.2	5.7	6.3
May	30.004	30.094	29.887	74.5	73.0	79.4	69.2	74.3	84	64	62	63	66	72	.584	.583	2.62	1.94	5.0	5.0	5.0
June	30.016	30.116	29.964	75.6	77.7	79.9	70.7	75.3	82	66	64	64	67	70	.594	.589	.37	.12	5.6	6.2	5.5
July	29.963	30.041	29.865	76.2	75.1	81.4	71.5	76.4	84	68	64	66	68	73	.608	.635	.67	.15	6.5	5.7	5.4
August	29.928	30.010	29.866	77.9	76.6	83.0	73.2	78.1	85	70	67	66	69	71	.662	.650	.62	.22	5.9	5.1	5.7
September	29.938	29.997	29.841	77.5	75.8	81.6	72.0	76.8	85	69	65	65	66	70	.623	.622	2.20	.73	6.3	6.7	7.1
October	29.956	30.026	29.862	75.9	74.5	80.5	70.0	75.2	84	67	64	64	68	70	.606	.594	.97	.59	5.0	6.6	6.4
November	30.003	30.045	29.912	75.5	73.4	79.0	70.4	74.7	83	66	63	63	66	70	.579	.575	.47	.14	4.8	5.3	5.9
December	30.000	30.074	29.916	72.8	72.0	77.3	67.5	72.4	81	64	62	62	68	70	.550	.547	2.94	1.01	5.1	6.4	6.7
Year	29.967	30.116	29.696	74.3	73.3	78.9	69.1	74.0	85	58	63	64	69	73	.582	.588	26.71	2.73	5.9	5.9	6.1

Annual meteorological summary for the year ending December 31, 1911—Continued.

HATTERAS, N. C.

[H=11 ft.; h_1=12 ft.; h_2=34 ft.; h_3=47 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	15.7	SW.	42	SW.	2	15	10	1	2	7	20	3	4	0	14	10	7	6	5	1	1	0	3	0	0	1	0	0
February	14.7	NE.	37	NW.	0	4	23	2	0	0	14	3	10	0	11	9	8	5	4	0	0	0	6	0	0	2	0	0
March	17.6	SW.	67	N.	9	7	12	4	6	3	16	7	7	0	19	6	6	10	9	0	0	0	3	0	0	1	3	0
April	14.9	NE.	42	NW.	3	9	18	6	2	6	13	1	5	0	13	7	10	10	8	0	0	0	2	0	0	0	1	0
May	14.1	SW.	48	NW.	2	3	20	3	2	6	21	4	3	0	20	6	5	6	5	0	0	0	0	0	0	0	1	0
June	12.9	SW.	39	W.	0	0	14	5	2	3	27	3	6	0	14	13	3	5	5	0	0	0	0	0	1	0	6	0
July	10.8	SW.	36	SW.	0	4	4	7	5	9	25	3	5	0	20	8	3	8	5	0	0	1	0	0	0	0	5	0
August	11.5	SW.	38	SW.	0	2	6	6	12	16	14	4	2	0	18	12	1	10	6	0	0	0	0	0	2	0	4	0
September	11.4	SW.	48	NW.	1	4	17	4	4	5	20	2	4	0	16	11	3	12	9	0	0	0	0	0	0	0	9	0
October	14.7	NE.	40	N.	1	15	32	2	1	2	6	0	4	0	8	16	7	10	6	0	0	0	0	0	0	0	0	0
November	16.7	NE.	48	NW.	6	9	15	2	2	6	5	10	11	0	11	12	7	9	8	0	0	0	0	0	0	0	0	0
December	13.7	NE.	48	NW.	3	11	20	5	0	3	8	8	7	0	12	8	11	14	10	0	0	0	2	0	0	0	0	0
Year	14.1	SW.	67	N.	27	83	191	47	38	66	189	48	68	0	176	118	71	105	80	1	1	1	16	0	3	4	29	0

HAVRE, MONT.

[H=2,505 ft.; h_1=11 ft.; h_2=4 ft.; h_3=44 ft.]

January	7.4	W.	43	SW.	2	2	10	11	0	2	13	13	9	2	10	12	9	13	7	14	13	0	0	23	0	31	0	0
February	6.4	NE.	30	W.	0	4	11	10	0	0	8	12	8	3	18	7	3	5	3	6	5	0	1	25	0	28	0	0
March	12.0	SW.	42	SW.	3	4	7	4	0	1	28	9	9	0	11	10	10	4	2	5	3	0	0	4	0	21	0	2
April	8.4	NW.	36	W.	0	4	4	11	2	4	6	13	16	0	10	11	9	7	6	6	5	0	0	4	0	19	0	2
May	9.6	W.	46	SW.	1	1	11	8	5	2	11	12	11	1	7	15	9	6	5	0	0	1	0	0	1	2	2	0
June	8.1	E.	44	SW.	1	2	5	11	8	3	12	10	9	0	17	11	2	13	10	0	0	1	0	0	3	0	10	0
July	7.8	NW.	39	NE.	0	7	4	14	2	3	5	11	16	0	21	7	3	11	9	0	0	1	0	0	4	0	6	0
August	5.5	E.	34	NW.	0	4	6	15	3	2	5	7	13	7	19	7	5	12	9	0	0	1	0	0	1	1	8	0
September	7.2	E.	36	W.	0	2	10	16	1	1	8	11	10	1	17	4	9	10	9	3	1	0	0	0	0	4	2	0
October	6.8	NW.	30	NW.	0	1	6	10	5	0	7	11	19	3	16	9	6	4	4	3	1	0	0	1	0	12	0	1
November	8.6	NW.	35	SW.	0	0	4	13	0	0	12	11	20	0	7	9	14	12	11	12	10	0	1	12	0	27	0	0
December	9.1	SW.	36	SW.	0	0	10	8	0	0	15	13	13	3	9	11	11	4	2	8	4	0	1	13	0	30	0	0
Year	8.1	NW.	46	SW.	7	31	88	131	26	18	130	133	153	20	162	113	90	101	77	57	42	4	3	82	9	175	28	5

HELENA, MONT.

[H=4,110 ft.; h_1=8 ft.; h_2=3 ft.; h_3=56 ft.]

January	7.0	NW.	48	SW.	1	2	0	0	1	2	5	25	24	3	11	5	15	15	7	18	15	0	0	17	0	29	0	0
February	5.1	W.	25	SW.	0	6	0	0	4	4	8	18	9	7	14	7	7	6	2	13	6	0	0	23	0	28	0	0
March	8.4	W.	46	W.	1	4	2	3	1	3	16	23	6	4	17	9	5	3	3	6	3	0	0	1	0	20	1	1
April	7.7	W.	37	SW.	0	6	5	0	1	2	18	18	10	0	8	11	11	12	8	9	7	0	0	1	0	20	3	0
May	7.4	W.	58	SW.	1	3	3	3	2	4	23	17	7	0	6	14	11	14	9	4	3	1	0	0	0	3	7	0
June	6.3	SW.	41	W.	1	2	3	3	5	2	30	11	3	1	4	15	11	19	15	0	0	3	0	0	0	0	20	0
July	6.8	SW.	32	W.	0	4	2	5	3	0	22	19	7	0	16	11	4	10	7	0	0	1	0	0	2	0	12	0
August	5.6	SW.	28	SW.	0	11	3	1	1	1	24	11	10	0	12	11	8	9	6	0	0	0	0	0	1	0	10	0
September	6.0	SW.	40	SW.	1	5	4	2	0	0	21	15	12	1	13	7	10	7	5	2	1	0	1	0	0	4	4	0
October	5.8	SW.	35	W.	0	3	0	1	2	5	28	15	8	0	12	11	8	9	7	8	6	1	0	1	0	17	2	0
November	6.8	W.	46	W.	1	1	3	3	0	3	21	20	9	0	7	9	14	5	4	13	5	0	0	8	0	27	0	0
December	6.2	W.	32	SW.	0	3	3	0	1	3	21	25	5	1	5	12	14	6	4	17	6	0	0	14	0	31	0	0
Year	6.6	SW.	58	SW.	6	50	28	21	21	29	237	217	110	17	125	122	118	115	77	90	52	6	1	65	3	179	59	1

HONOLULU, HAWAII.

[H=38 ft.; h_1=111 ft.; h_2=99 ft.; h_3=119 ft.]

January	10.1	E.	30	NW.	0	9	20	19	4	1	7	0	2	0	2	14	15	18	14	0	0	0	0	0	0	0	1	0
February	9.5	NE.	44	NE.	1	3	25	12	7	2	0	1	5	1	8	10	10	14	12	0	0	0	0	0	0	0	2	0
March	6.4	NE.	20	NE.	0	9	18	13	7	5	4	3	3	0	7	13	11	10	4	0	0	0	0	0	0	0	0	0
April	8.3	NE.	30	NE.	0	3	35	13	3	1	3	1	1	0	7	10	13	7	5	0	0	0	0	0	0	0	1	0
May	8.0	NE.	27	NE.	0	1	23	31	3	1	0	1	2	0	12	12	7	10	5	0	0	0	0	0	0	0	1	0
June	8.9	NE.	27	NE.	0	0	35	24	1	0	0	0	0	0	6	17	7	11	3	0	0	0	0	0	0	0	0	0
July	8.8	NE.	26	NE.	0	2	36	21	0	0	1	2	0	0	6	19	6	15	7	0	0	0	0	0	0	0	0	0
August	7.7	NE.	26	SE.	0	2	40	20	0	0	0	0	0	0	5	20	6	13	5	0	0	0	0	0	0	0	0	0
September	8.5	NE.	26	E.	0	0	40	16	2	0	0	2	0	0	4	10	16	17	9	0	0	0	0	0	0	0	0	0
October	6.9	NE.	24	SW.	0	1	32	18	2	3	6	0	0	0	5	11	15	12	4	0	0	0	0	0	0	0	0	0
November	8.9	NE.	24	E.	0	1	37	18	1	0	1	1	0	1	7	15	8	14	7	0	0	0	0	0	0	0	0	0
December	8.5	NE.	32	NE.	0	2	36	21	0	0	1	0	2	0	5	11	15	22	16	0	0	0	0	0	0	0	0	0
Year	8.4	NE.	44	NE.	1	33	377	226	30	13	23	11	15	2	74	162	129	163	91	0	0	0	0	0	0	0	5	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

HOUGHTON, MICH.

[ϕ=47° 7′ N.; λ=88° 34′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.316	29.829	28.670	12.8	.....	22.9	6.5	14.7	38	−14	7	....	76	....	0.066	.....	1.40	0.37	8.6	.....	7.1
February	29.352	29.790	28.865	19.5	.....	28.6	15.8	22.2	50	− 1	16	....	83	....	.090	.....	2.48	1.27	8.1	.....	7.2
March	29.213	29.717	28.702	24.9	.....	36.9	19.4	28.2	62	− 4	19	....	77	....	.107	.....	2.06	.71	7.1	.....	5.2
April	29.337	29.859	28.625	33.9	.....	48.5	30.1	39.3	70	10	29	....	82	....	.171	.....	.67	.45	5.9	.....	4.5
May	29.236	29.642	28.586	49.6	.....	65.1	42.6	53.8	92	27	41	....	75	....	.271	.....	3.96	1.34	5.4	.....	5.5
June	29.198	29.459	28.868	58.6	.....	73.7	51.7	62.7	99	42	52	....	80	....	392	.....	2.62	.85	5.7	.....	5.2
July	29.189	29.506	28.795	63.3	.....	75.1	56.6	65.8	98	46	56	....	78	....	.467	.....	6.17	2.26	3.6	.....	5.1
August	29.263	29.572	28.974	59.3	.....	70.9	54.5	62.7	85	44	54	....	83	....	.421	.....	2.17	.86	5.3	.....	5.5
September	29.309	29.621	28.898	51.3	.....	62.3	46.5	54.4	82	32	46	....	84	....	.324	.....	2.61	.87	4.8	.....	5.6
October	29.292	29.578	28.635	41.4	.....	50.5	38.9	44.7	62	23	38	....	87	....	.234	.....	1.88	1.05	6.1	.....	7.3
November	29.161	29.821	28.585	26.5	.....	32.7	22.2	27.4	46	8	22	....	82	....	.123	.....	3.67	.99	8.8	.....	7.7
December	29.283	29.805	28.789	25.2	.....	32.6	20.3	26.4	49	5	21	....	82	....	.116	.....	2.28	.72	8.0	.....	7.1
Year	29.262	29.859	28.585	38.9	.....	50.0	33.8	41.9	99	−14	33	....	81	....	.232	.....	31.97	2.26	6.4	.....	6.1

HOUSTON, TEX.

[ϕ=29° 47′ N.; λ=95° 24′ W.]

January	30.050	30.479	29.701	55.8	.....	70.9	52.8	61.8	84	16	51	....	87	....	0.448	.....	0.18	0.10	5.9	.....	6.3
February	29.961	30.582	29.712	57.1	.....	71.4	54.2	62.8	83	30	54	....	90	....	.472	.....	.80	.67	7.9	.....	6.4
March	29.934	30.155	29.697	59.8	.....	76.9	58.1	67.5	90	43	55	....	85	....	.456	.....	3.52	1.68	7.0	.....	5.8
April	29.799	30.109	29.565	65.8	.....	78.8	62.5	70.6	86	50	63	....	90	....	.597	.....	8.67	3.56	7.6	.....	6.9
May	29.871	30.100	29.599	68.3	.....	83.8	65.2	74.5	97	55	63	....	85	....	.596	.....	1.82	1.00	3.0	.....	3.5
June	29.828	29.976	29.724	76.3	.....	93.8	73.7	83.8	101	71	72	....	87	....	.785	.....	3.10	.88	3.4	.....	3.0
July	29.876	30.050	29.741	76.8	.....	89.1	73.6	81.4	93	69	74	....	90	....	.828	.....	6.59	1.73	5.8	.....	5.3
August	29.809	29.914	29.764	76.5	.....	93.1	73.9	83.5	98	68	74	....	91	....	.832	.....	1.87	.57	4.2	.....	4.0
September	29.868	29.957	29.805	75.6	.....	91.4	73.9	82.6	96	68	74	....	93	....	.825	.....	3.14	1.49	2.5	.....	4.6
October	29.873	30.109	29.673	64.3	.....	80.0	62.4	71.2	92	43	60	....	86	....	.557	.....	4.72	2.35	4.5	.....	4.7
November	29.998	30.400	29.677	51.0	.....	68.2	47.5	57.8	86	23	45	....	80	....	.357	.....	1.92	1.58	4.9	.....	5.6
December	29.933	30.347	29.570	47.6	.....	59.9	45.3	52.6	74	31	44	....	88	....	.314	.....	11.55	2.66	6.7	.....	7.3
Year	29.900	30.582	29.565	64.6	.....	79.8	61.9	70.8	101	16	61	....	88	....	589	.....	47.88	3.56	5.2	.....	5.3

HURON, S. DAK.

[ϕ=44° 21′ N.; λ=98° 14′ W.]

January	28.678	29.199	28.033	5.2	13.5	23.8	−0.4	11.7	54	−29	4	9	92	82	0.057	0.074	0.17	0.07	5.6	4.7	5.9
February	28.779	29.449	28.073	9.0	20.6	25.7	4.6	15.2	38	−11	7	15	92	79	.062	.089	.74	.61	3.1	4.4	4.2
March	28.612	29.238	28.021	27.9	43.6	51.5	23.8	37.6	75	6	22	24	79	48	.124	.131	.45	.35	3.8	5.8	4.7
April	28.610	29.104	27.997	35.4	52.1	56.9	32.7	44.8	79	19	28	29	74	48	.104	.169	.57	.23	5.2	5.1	5.3
May	28.521	28.963	27.940	51.4	69.9	74.9	47.2	61.0	95	23	44	43	77	43	.309	.303	2.97	.83	4.2	4.8	4.6
June	28.510	28.802	28.189	63.6	82.9	87.3	59.0	73.2	100	46	56	55	76	40	.452	.449	1.82	1.13	5.6	4.8	4.5
July	28.590	28.932	28.239	61.8	79.2	85.0	56.4	70.7	100	46	53	49	75	39	.416	.369	3.26	1.01	3.5	3.8	3.6
August	28.617	28.995	28.336	58.9	74.8	79.5	55.7	67.6	102	36	54	55	85	53	.433	.453	2.82	1.84	5.7	5.1	5.1
September	28.617	28.869	28.272	52.3	66.2	72.7	49.1	60.9	93	34	48	50	87	60	.354	.374	2.10	1.28	5.5	4.8	5.7
October	28.685	29.118	28.153	39.0	46.4	53.9	36.2	45.0	71	19	36	38	90	73	.225	.241	2.36	.99	5.4	5.5	6.3
November	28.644	29.423	28.167	18.2	25.6	33.0	13.0	23.0	52	− 6	15	19	88	74	.094	.108	.26	.08	5.3	4.7	5.1
December	28.654	29.025	27.996	16.2	20.5	29.0	11.5	20.2	52	−17	14	15	90	77	.087	.092	.50	.29	4.9	3.5	6.2
Total	28.626	29.449	27.840	36.6	49.6	56.1	32.4	44.2	102	−29	32	33	84	60	.231	.238	18.02	1.84	4.8	4.8	5.1

INDEPENDENCE, CAL.

[ϕ=36° 48′ N.; λ=118° 12′ W.]

January	26.005	26.374	25.551	36.2	46.9	54.1	30.7	42.4	66	20	30	29	78	52	0.167	0.165	2.39	1.44	4.0	5.5	5.1
February	25.925	26.354	25.580	30.0	43.6	48.3	25.1	36.7	60	13	27	29	90	59	.150	.160	.86	.52	2.9	5.0	5.0
March	26.008	26.398	25.773	41.8	58.8	61.8	37.9	49.8	79	24	33	32	72	42	.190	.186	.78	.67	3.9	6.7	4.4
April	25.897	26.264	25.510	42.6	65.1	69.2	37.9	53.6	78	27	29	29	62	28	.163	.170	T.	T.	.6	3.7	3.2
May	25.852	26.142	25.571	46.7	71.7	74.8	42.7	58.8	88	33	28	26	50	19	.158	.136	.04	.04	3.1	4.3	3.3
June	25.904	26.088	25.572	57.8	82.5	85.8	54.4	70.1	96	44	36	34	47	22	.220	.205	.11	.09	2.7	4.4	3.1
July	25.989	26.148	25.773	66.3	88.2	92.6	62.5	77.6	97	56	43	42	43	23	.286	.287	.10	.10	3.7	5.9	2.2
August	25.929	26.051	25.780	60.5	90.3	92.8	56.3	74.6	100	50	33	28	40	11	.200	.151	.....	.....	.3	1.3	1.1
September	25.923	26.069	25.662	55.1	78.0	80.9	50.4	65.6	96	40	31	30	43	21	.180	.181	.61	.61	2.9	2.7	2.7
October	25.982	26.223	25.605	45.0	64.2	71.5	39.2	55.4	81	34	30	30	58	29	.170	.168	T.	T.	1.0	2.0	2.4
November	26.093	26.389	25.679	37.5	50.2	60.9	29.6	45.2	72	20	24	21	66	31	.130	.118	.10	.10	2.0	2.6	2.9
December	26.022	26.351	25.575	28.2	41.4	50.2	22.2	36.2	63	4	22	20	80	62	.118	.115	.07	.07	2.0	4.7	3.2
Year	25.961	26.389	25.510	45.6	65.1	70.2	40.7	55.5	100	4	30	29	61	32	.178	.170	5.56	1.44	2.4	4.1	3.2

Annual meteorological summary for the year ending December 1, 1911—Continued.

HOUGHTON, MICH.

[H=668 ft.; h_t=62 ft.; h_r=57 ft.; h_a=72 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	7.4	NW.	33	N.	0	1	4	5	5	1	0	3	10	2	8	8	15	15	10	25	15	0	1	23	0	31	0	0
February	8.6	NW.	35	N.	0	3	3	2	6	0	0	4	7	3	3	10	15	13	9	18	13	0	0	20	0	28	2	1
March	8.2	NW.	29	N.	0	3	1	5	3	2	2	2	10	3	10	11	10	13	10	14	11	0	0	15	0	28	2	0
April	7.2	E.	33	W.	0	2	1	11	5	0	1	7	2	1	12	11	7	7	5	7	3	0	1	3	0	19	0	0
May	7.3	W.	28	W.	0	0	2	3	11	0	0	10	5	0	10	11	10	12	9	2	0	0	4	0	3	5	8	0
June	6.9	E.	22	E.	0	0	0	6	9	0	0	7	5	3	13	6	11	13	9	0	0	0	2	0	2	0	8	0
July	9.4	W.	44	W.	1	1	2	3	2	2	3	12	6	0	12	10	9	11	10	0	0	1	0	0	3	0	6	1
August	7.8	W.	30	NW.	0	0	0	6	3	0	1	13	6	2	11	9	11	15	10	0	0	0	0	0	0	0	6	0
September	8.4	W.	34	N.	0	2	3	7	3	1	0	10	1	3	11	6	13	12	7	0	0	0	0	0	0	1	2	1
October	8.2	W.	42	W.	2	3	1	4	4	1	1	7	7	3	6	4	21	11	7	5	1	0	3	0	0	5	1	0
November	11.0	NW.	45	W.	2	3	2	5	2	1	2	3	11	1	5	6	19	16	13	15	11	0	0	14	0	27	1	0
December	8.0	W.	31	W.	0	1	3	10	0	1	1	10	3	2	9	3	19	18	14	21	17	0	2	12	0	30	0	0
Year	8.2	W.	45	W.	5	19	22	67	53	9	11	88	73	23	110	95	160	156	113	107	71	1	13	87	8	174	36	3

HOUSTON, TEX.

[H=138 ft.; h_t=111 ft.; h_r=104 ft.; h_a=121 ft.]

January	8.6	SE.	29	NW.	0	3	3	2	11	3	5	1	3	0	4	15	12	7	2	0	0	0	9	1	0	4	0	0
February	10.8	SE.	35	SE.	0	5	2	2	11	3	1	1	3	0	4	13	11	5	2	0	0	0	1	0	0	1	0	0
March	8.2	SE.	26	SE.	0	7	7	2	6	1	5	1	2	0	10	7	14	8	5	0	0	0	2	0	0	0	4	0
April	10.1	SE.	38	W.	0	1	8	3	9	2	2	2	1	1	4	13	13	13	13	0	0	0	1	0	0	0	8	0
May	7.7	SE.	30	E.	0	5	8	6	6	2	0	1	2	0	16	12	3	5	5	0	0	0	0	0	3	0	3	0
June	7.1	S.	30	SE.	0	0	1	1	2	8	6	8	3	1	18	11	1	9	7	0	0	0	0	0	29	0	7	0
July	6.7	S.	29	SE.	0	1	1	4	6	7	10	2	0	0	8	17	6	13	13	0	0	0	0	0	18	0	16	0
August	6.8	S.	36	NE.	0	5	2	0	2	12	5	3	2	0	14	15	2	9	7	0	0	0	0	0	28	0	12	0
September	5.8	SE.	38	E.	0	1	10	2	5	8	1	0	2	1	11	16	3	13	9	0	0	0	0	0	20	0	16	0
October	7.0	N.	27	NW.	0	10	3	6	4	4	0	0	4	0	16	7	8	9	7	0	0	0	0	0	6	0	5	0
November	8.6	SE.	37	NW.	0	5	7	0	3	6	0	4	5	0	10	5	15	8	5	0	0	0	4	0	0	2	1	0
December	8.4	E.	36	E.	0	3	5	8	1	1	0	4	9	0	7	3	21	16	15	0	0	0	2	0	0	1	4	0
Year	8.0	SE.	38	W.	0	46	57	36	66	57	35	27	38	3	122	134	109	115	90	0	0	0	19	1	102	8	76	0

HURON, S. DAK.

[H=1,306 ft.; h_t=56 ft.; h_r=52 ft.; h_a=67 ft.]

January	11.7	N.	45	N.	2	15	0	4	16	13	1	1	12	0	10	7	14	8	2	16	7	0	1	19	0	31	0	0
February	10.1	NW.	37	NW.	0	11	4	2	8	5	3	4	19	0	12	9	7	3	2	7	3	0	0	19	0	28	0	0
March	13.1	S.	48	N.	2	13	4	5	5	17	1	3	14	0	9	15	7	4	2	7	2	0	0	2	0	27	1	0
April	14.3	SE.	46	S.	3	12	0	8	19	7	3	3	8	0	13	7	10	7	4	6	3	0	1	1	0	16	1	0
May	12.4	S.	42	S.	2	9	2	2	8	19	5	3	14	0	11	14	6	8	5	0	0	1	1	0	4	4	5	0
June	11.5	S.	48	SE.	2	8	3	5	13	21	2	3	5	0	11	15	4	7	5	0	0	0	0	0	12	0	10	0
July	10.4	S.	52	NE.	1	16	2	3	10	14	2	7	8	0	16	12	3	9	5	0	0	0	2	0	0	0	9	0
August	8.9	SE.	35	SE.	0	10	9	4	14	7	4	6	8	0	9	14	8	9	5	0	0	0	0	0	6	0	9	0
September	9.4	SE.	39	NW.	0	9	4	10	10	17	2	2	6	0	6	14	10	8	7	0	0	0	3	0	1	0	6	0
October	9.2	SE.	42	W.	1	8	4	2	13	6	5	11	13	0	9	6	16	11	8	3	2	0	3	0	0	12	0	0
November	12.4	NW.	43	S.	3	6	2	1	7	14	1	6	28	0	12	7	11	10	3	11	9	0	1	14	0	29	0	0
December	9.6	NW.	28	N.	0	4	4	3	9	15	3	5	19	0	10	5	16	9	3	15	9	0	0	17	0	31	0	0
Year	11.1	S.	52	NE.	16	121	38	49	132	155	32	54	149	0	128	125	112	93	51	65	35	3	10	72	32	178	41	0

INDEPENDENCE, CAL.

[H=3,910 ft.; h_t=11 ft.; h_r=4 ft.; h_a=42 ft.]

January	7.5	S.	42	S.	1	8	1	1	3	21	8	3	17	0	12	10	9	7	5	0	0	0	0	0	0	18	0	0
February	7.5	N.	38	N.	0	17	0	0	5	10	4	4	15	1	9	12	7	4	3	1	1	0	0	0	0	28	0	0
March	9.0	NW.	36	S.	0	18	0	1	3	16	4	1	21	0	14	13	4	3	3	0	0	0	0	0	0	5	0	0
April	8.8	NW.	44	W.	2	16	0	0	5	3	1	15	20	0	19	10	1	0	0	0	0	0	0	0	0	5	0	0
May	8.6	NW.	36	W.	0	15	1	3	10	10	1	7	15	0	19	8	4	1	1	0	0	0	0	0	0	0	0	0
June	6.5	NW.	30	S.	0	10	2	2	5	12	2	7	20	0	17	12	1	2	1	0	0	0	0	0	0	7	0	0
July	6.0	NW.	20	N.	0	8	1	2	9	11	4	3	24	0	22	9	0	1	1	0	0	0	0	0	0	27	0	0
August	6.2	NW.	27	SE.	0	6	1	0	9	16	3	3	23	1	31	0	0	0	0	0	0	0	0	0	0	26	0	0
September	6.8	S.	38	SE.	0	8	1	0	7	19	4	4	15	2	22	6	2	2	2	0	0	0	0	0	1	0	0	0
October	6.2	NW.	38	SE.	0	11	0	4	6	16	2	2	19	2	24	6	1	0	0	0	0	0	0	0	0	0	0	0
November	6.1	NW.	32	W.	0	13	1	0	3	14	2	4	23	0	22	7	1	1	1	0	0	0	0	0	0	20	0	0
December	8.7	NW.	42	N.	2	20	2	2	2	8	4	2	22	0	19	9	3	1	1	1	1	0	0	0	0	29	0	0
Year	7.3	NW.	44	W.	5	148	10	15	67	156	39	55	234	6	230	102	33	22	18	2	2	0	0	0	61	105	0	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

INDIANAPOLIS, IND.

[ϕ=39° 46′ N.; λ=86° 10′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.276	29.727	28.710	29.6	34.3	40.8	25.5	33.2	60	3	26	29	86	79	0.158	0.175	2.98	0.79	6.2	6.1	7.5
February	29.247	29.711	28.682	32.0	37.6	43.7	28.9	36.3	69	13	28	29	84	72	.164	.173	1.28	.40	7.0	5.2	6.5
March	29.158	29.667	28.519	35.0	43.2	50.7	31.0	40.8	71	12	27	29	73	59	.157	.171	2.89	.88	5.1	4.5	5.4
April	29.198	29.633	28.601	45.0	52.6	58.8	42.3	50.6	73	28	37	41	76	67	.238	.276	4.77	1.50	5.6	6.5	6.6
May	29.180	29.542	28.650	63.4	73.0	79.5	57.7	68.6	96	35	52	51	67	49	.410	.404	.91	.35	2.9	4.3	3.8
June	29.100	29.340	28.851	69.6	78.0	84.6	64.4	74.5	96	54	59	59	70	54	.510	.511	2.20	.67	3.7	4.5	4.7
July	29.165	29.357	28.759	70.9	79.1	86.1	65.8	76.0	103	51	59	58	67	52	.515	.504	2.35	1.63	2.5	5.7	4.9
August	29.146	29.328	28.975	68.2	78.2	83.8	64.6	74.2	99	50	61	59	77	54	.545	.510	1.16	.61	5.7	4.9	5.1
September	29.178	29.432	28.960	64.3	72.3	78.3	61.5	69.9	90	49	60	61	86	70	.523	.550	4.67	1.36	6.8	3.2	5.9
October	29.188	29.537	28.821	49.1	56.6	63.0	46.7	54.8	84	32	45	47	87	72	.313	.344	4.03	1.40	6.4	5.2	6.2
November	29.173	29.825	28.578	32.9	37.6	44.6	29.1	36.8	73	12	28	28	81	69	.169	.168	3.54	1.77	7.2	5.0	5.9
December	29.238	29.650	28.588	34.4	38.2	42.6	30.8	36.7	61	11	30	31	82	76	.173	.187	2.54	.84	7.3	5.2	7.1
Year	29.187	29.825	28.519	49.5	56.7	63.0	45.7	54.4	103	3	43	44	78	64	.323	.331	33.32	1.77	5.5	5.0	5.9

IOLA, KANS.

[ϕ=37° 55′ N.; λ=95° 25′ W.]

January	29.075	29.446	28.603	31.6	.....	45.1	25.0	35.0	72	— 8	26	....	80	....	0.166	.....	0.09	0.06	7.1	.....	7.1
February	29.080	29.638	28.550	31.0	.....	48.7	28.6	38.6	80	11	27	....	85	....	.161	.....	4.77	1.73	4.0	.....	4.9
March	29.013	29.450	28.589	37.8	.....	60.1	34.3	47.2	80	10	32	....	79	....	.190	.....	.62	.33	3.6	.....	4.2
April	28.956	29.428	28.490	45.9	.....	65.9	42.8	54.4	90	30	40	....	81	....	.262	.....	3.41	1.38	6.0	.....	4.7
May	28.953	29.391	28.473	60.7	.....	79.7	56.8	68.2	92	33	53	....	76	....	.421	.....	2.63	1.73	5.4	.....	4.0
June	28.897	29.058	28.686	72.4	.....	94.7	67.6	81.2	102	55	62	....	70	....	.555	.....	.39	.25	3.1	.....	2.7
July	28.958	29.247	28.656	71.3	.....	88.7	67.1	77.9	105	52	65	....	81	....	.627	.....	5.70	1.57	4.5	.....	3.9
August	28.938	29.175	28.827	67.7	.....	88.1	64.5	76.3	97	47	64	....	88	....	.606	.....	3.85	2.62	4.0	.....	3.1
September	28.962	29.185	28.774	66.8	.....	86.4	64.6	75.5	96	50	64	....	91	....	.609	.....	6.01	2.91	4.2	.....	4.0
October	29.000	29.353	28.664	50.5	.....	67.2	46.4	56.8	88	30	46	....	84	....	.344	.....	2.23	1.04	5.6	.....	5.7
November	28.997	29.793	28.475	33.1	.....	52.2	27.8	40.0	79	7	27	....	78	....	.165	.....	1.23	.66	4.2	.....	4.3
December	29.033	29.371	28.578	29.9	.....	45.1	26.3	35.7	62	— 1	27	....	88	....	.156	.....	3.33	1.93	3.9	.....	4.9
Year	28.988	29.793	28.473	49.9	.....	68.5	46.0	57.2	105	— 8	44	....	82	....	.355	.....	34.26	2.91	4.6	.....	4.5

JACKSONVILLE, FLA.

[ϕ=30° 20′ N.; λ=81° 39′ W.]

January	30.212	30.471	29.918	50.9	57.2	67.8	48.5	58.2	78	26	48	53	92	86	0.358	0.411	0.89	0.81	3.9	2.5	4.1
February	30.119	30.438	29.857	53.6	61.7	70.9	51.0	61.0	81	34	50	54	89	77	.390	.441	.13	.13	4.3	3.0	4.4
March	30.059	30.338	29.605	57.3	64.3	73.7	54.9	64.3	85	44	52	55	86	74	.414	.440	2.16	1.12	4.9	2.4	4.9
April	30.048	30.250	29.824	66.4	68.5	78.1	61.8	70.0	89	54	60	60	80	75	.525	.523	.36	.21	5.1	5.2	5.3
May	29.990	30.135	29.831	70.7	73.0	82.0	65.4	73.7	92	52	65	66	82	79	.622	.642	3.33	2.20	3.4	3.7	4.4
June	29.965	30.130	29.769	77.4	80.5	92.1	72.6	82.4	99	66	71	70	82	72	.771	.739	2.96	.72	3.5	5.3	4.6
July	30.038	30.196	29.918	78.0	79.5	89.1	72.9	81.0	94	68	72	71	81	76	.778	.765	2.35	.87	3.1	6.0	5.3
August	29.958	30.120	29.717	77.8	78.6	88.0	73.3	80.6	92	69	74	74	88	85	.831	.824	10.16	2.96	4.1	6.6	6.0
September	30.021	30.173	29.859	77.3	79.7	89.5	73.5	81.5	96	68	74	73	88	79	.827	.801	.90	.53	2.2	2.0	3.0
October	29.964	30.123	29.773	71.8	74.7	83.1	68.7	75.9	95	58	68	68	88	79	.690	.685	5.26	2.71	4.9	3.8	5.1
November	30.090	30.387	29.777	57.6	62.5	70.2	53.6	61.9	85	29	53	55	86	77	.446	.467	2.68	1.96	6.2	4.5	5.9
December	30.109	30.420	29.860	55.7	60.3	68.0	52.3	60.2	80	32	53	54	91	81	.439	.445	4.20	1.87	5.3	4.7	5.6
Year	30.045	30.471	29.605	66.2	70.0	79.4	62.4	70.9	99	26	62	63	86	78	.591	.599	35.38	2.96	4.2	4.2	4.9

JUPITER, FLA.

[ϕ=26° 57′ N.. λ=80° 7′ W.]

January	30.169	30.318	29.981	66.0	68.9	75.3	62.5	68.9	80	47	61	61	84	77	0.538	0.543	0.37	0.27	5.3	3.3	4.6
February	30.108	30.352	29.965	63.6	68.6	76.4	61.0	68.7	84	40	58	60	82	74	.500	.522	.09	.07	4.5	3.3	4.2
March	30.059	30.278	29.765	66.3	70.6	78.3	62.5	70.4	80	55	61	62	85	75	.548	.561	2.32	1.56	3.9	3.0	4.0
April	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
August	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
September	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
October	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
November	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
December	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Annual meteorological summary for the year ending December 31, 1911—Continued.

INDIANAPOLIS, IND.

[H=822 ft.; h_t=154 ft.; h_r=146 ft.; h_a=164 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	32° or Minimum temperature below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	11.7	S.	54	W.	1	8	4	2	8	17	11	5	7	0	4	7	20	14	12	7	4	0	7	6	0	21	2	0
February	10.9	NW.	42	SW.	1	6	4	5	5	7	8	9	12	0	8	5	15	10	8	6	4	0	1	4	0	19	0	0
March	11.9	S.	42	SW.	1	7	9	3	8	7	10	11	7	0	11	11	9	10	8	6	2	0	1	0	1	18	1	0
April	11.7	S.	45	SW.	1	9	8	1	10	15	4	2	11	0	4	13	13	14	11	1	1	0	0	0	0	4	9	0
May	8.7	S.	37	SW.	0	8	2	1	6	18	20	4	3	0	13	15	3	6	4	0	0	0	0	0	4	0	5	0
June	8.6	S.	48	SW.	1	8	9	2	6	15	11	4	6	0	11	13	6	10	8	0	0	0	0	0	8	0	12	0
July	7.9	S.	46	W.	1	11	3	7	5	12	15	4	5	0	8	18	5	7	5	0	0	0	0	0	10	0	9	0
August	7.3	S.	36	SW.	0	9	16	2	7	14	10	2	2	0	9	15	7	7	4	0	0	0	0	0	8	0	5	0
September	8.2	S.	32	SW.	0	8	10	9	2	14	6	2	9	0	7	12	11	14	14	0	0	0	0	0	0	0	11	0
October	8.3	N.	35	S.	0	6	18	3	8	7	9	5	5	1	7	13	11	12	12	0	0	1	1	0	0	0	3	0
November	13.9	S.	52	S.	2	0	1	7	5	17	14	7	9	0	4	10	16	9	8	9	4	0	3	0	21	2	0	
December	11.1	S.	40	SW.	2	8	5	6	8	15	10	7	3	0	6	5	20	13	10	5	2	0	0	1	0	18	0	0
Year	10.0	S.	54	W.	10	88	89	48	77	158	128	62	79	1	92	137	136	126	104	34	17	1	9	15	30	101	59	0

IOLA, KANS.

[H=984 ft.; h_t=11 ft.; h_r=3 ft.; h_a=50 ft.]

January	9.3	SW.	29	SW.	0	5	3	3	2	8	7	0	3	0	4	12	15	2	1	2	0	0	0	8	0	24	0	0
February	9.8	NE.	34	SW.	0	6	4	1	3	7	1	2	4	0	13	6	9	9	8	6	3	0	0	4	0	18	2	0
March	8.8	N.	37	W.	0	5	4	2	4	5	8	1	2	0	14	11	6	7	4	1	1	0	0	0	0	13	2	0
April	9.6	NE.	36	S.	0	4	3	7	6	4	1	2	3	0	12	10	8	11	9	0	0	1	0	0	0	3	6	0
May	8.6	S.	30	S.	0	3	2	3	2	15	3	0	3	0	12	17	2	11	9	0	0	1	0	0	3	0	8	0
June	7.5	S.	24	SE.	0	2	4	3	5	12	1	0	3	0	19	10	1	5	3	0	0	0	0	0	26	0	6	0
July	5.8	S.	22	NE.	0	1	2	2	7	10	2	2	5	0	17	7	7	10	10	0	0	0	0	0	13	0	10	0
August	5.2	S.	25	N.	0	4	7	3	7	8	1	0	1	6	17	9	5	6	6	0	0	0	0	0	15	0	4	0
September	6.7	S.	22	S.	0	1	4	3	4	8	7	2	1	0	13	11	6	11	11	0	0	0	0	0	13	0	9	0
October	7.2	NE.	26	S.	0	6	7	0	4	7	3	1	3	0	6	14	11	9	7	1	0	1	1	0	0	2	4	0
November	9.6	NW.	33	S.	0	0	5	2	3	4	5	4	7	0	12	6	12	5	4	5	2	0	0	3	0	18	2	0
December	7.3	S.	28	NE.	0	3	3	2	4	6	5	6	2	0	14	8	9	10	7	3	1	0	0	3	0	23	0	0
Year	8.0	S.	37	W.	0	40	48	31	51	94	44	20	37	0	153	121	91	96	79	18	7	3	1	18	70	101	53	0

JACKSONVILLE, FLA.

[H=43 ft.; h_t=96 ft.; h_r=88 ft.; h_a=129 ft.]

January	7.3	NE.	27	SW.	0	13	16	9	5	4	4	4	6	1	18	7	6	4	2	0	0	0	7	0	0	2	0	0
February	8.1	SW.	30	SW.	0	3	11	4	5	5	12	4	12	0	12	12	4	1	1	0	0	0	4	0	0	0	0	0
March	10.0	SW.	35	W.	0	5	15	5	7	6	12	5	7	0	12	10	9	6	5	0	0	0	2	0	0	0	2	0
April	11.3	NE.	39	NW.	0	3	14	13	11	8	3	2	6	0	10	14	6	6	4	0	0	0	0	0	0	0	1	0
May	9.7	NE.	34	NE.	0	11	10	16	12	2	2	7	2	0	14	8	9	9	7	0	0	0	0	0	4	0	0	0
June	8.4	SW.	48	SW.	1	1	2	1	12	13	20	7	4	0	11	16	3	12	11	0	0	2	0	0	22	0	16	0
July	7.8	SW.	35	S.	0	2	3	7	18	3	17	10	2	0	5	18	8	14	10	0	0	0	0	0	13	0	17	0
August	8.8	SW.	48	SW.	2	3	4	10	13	9	15	3	5	0	9	9	13	18	15	0	0	0	0	0	9	0	18	0
September	6.5	E.	27	NW.	0	3	6	16	12	10	6	2	5	0	17	12	1	7	5	0	0	0	0	0	13	0	6	0
October	8.8	NE.	39	NW.	0	15	14	7	10	4	5	4	3	0	12	8	11	9	8	0	0	0	0	0	6	0	4	0
November	10.0	NE.	35	NE.	0	14	17	3	5	3	4	1	13	0	7	15	8	6	4	0	0	0	2	0	0	2	1	0
December	9.5	NE.	27	W.	0	16	17	5	3	7	2	5	7	0	8	13	10	15	7	0	0	0	1	0	0	1	1	0
Year	8.8	NE.	48	SW.	3	89	129	96	113	74	102	54	72	1	135	142	88	107	79	0	0	2	16	0	67	5	66	0

JUPITER, FLA.

[H=28 ft.; h_t=10 ft.; h_r=3 ft.; h_a=46 ft.]

January	11.2	E.	28	S.	0	5	10	23	3	8	0	2	11	0	9	17	5	5	3	0	0	0	0	0	0	0	0	0
February	9.7	E.	27	E.	0	7	2	9	9	5	6	5	13	0	11	14	3	2	1	0	0	0	0	0	0	0	0	0
March	11.8	W.	46	NE.	1	6	5	8	10	10	8	7	8	0	14	13	4	8	5	0	0	0	1	0	0	0	2	0
April																												
May																												
June																												
July																												
August																												
September																												
October																												
November																												
December																												
Year																												

Annual meteorological summary for the year ending December 31, 1911—Continued.

KALISPELL, MONT.

[ϕ=48° 10′ N.; λ=114° 25′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	26.819	27.438	26.145	19.1	24.6	29.6	14.1	21.8	44	−11	15	18	82	74	0.093	0.101	0.49	0.10	6.5	7.5	7.7
February	26.956	27.422	26.406	18.6	29.6	34.0	16.0	25.0	40	− 4	15	19	84	61	.085	.100	.48	.36	5.0	6.0	5.2
March	26.923	27.315	26.482	29.0	45.4	49.6	27.3	38.4	64	3	24	28	80	51	.127	.150	.51	.26	4.5	4.7	4.7
April	26.806	27.347	26.470	31.6	50.2	53.9	30.3	42.1	70	21	26	28	78	46	.138	.156	.58	.21	6.9	5.3	5.2
May	26.847	27.195	26.360	38.9	56.7	59.9	37.5	48.7	83	28	35	40	84	57	.202	.256	.96	.44	6.1	6.4	6.6
June	26.877	27.200	26.686	49.9	67.4	72.0	48.3	60.2	86	34	44	51	82	60	.298	.382	3.83	1.76	5.7	6.7	5.5
July	26.963	27.227	26.709	50.4	73.9	76.7	48.6	62.6	90	42	43	48	78	43	.282	.340	.78	.27	3.4	4.0	3.6
August	26.958	27.187	26.780	47.2	69.4	74.1	46.6	60.4	88	38	43	46	85	47	.275	.319	1.44	.78	5.1	4.9	4.5
September	26.938	27.133	26.705	42.1	57.6	62.0	40.1	51.0	86	26	38	43	84	60	.234	.285	2.75	1.51	5.8	5.2	5.2
October	27.013	27.392	26.583	32.8	46.8	53.6	31.1	42.4	70	18	29	35	85	63	.163	.210	.84	.76	3.5	4.6	4.2
November	26.969	27.592	26.308	22.3	27.6	32.7	18.6	25.6	46	− 8	20	23	88	82	.114	.130	2.49	.70	6.7	7.1	7.8
December	26.957	27.315	26.358	20.0	23.6	27.6	16.9	22.2	42	− 7	17	20	87	84	.096	.110	.95	.26	7.0	7.9	8.8
Year	26.924	27.592	26.145	33.5	47.7	52.1	31.3	41.7	90	−11	29	33	83	61	.176	.212	16.10	1.76	5.5	5.9	5.8

KANSAS CITY, MO.

[ϕ=39° 5′ N.; λ=94° 37′ W.]

January	29.082	29.507	28.635	28.9	34.4	41.9	23.8	32.8	66	−10	23	26	78	72	0.142	0.159	0.61	0.35	7.2	6.8	7.2
February	29.095	29.685	28.507	30.3	39.2	44.5	27.6	36.0	72	10	26	30	82	70	.148	.176	6.76	2.08	4.8	4.8	5.2
March	29.004	29.453	28.535	38.6	51.3	57.8	35.9	46.8	76	20	29	33	68	51	.167	.197	1.06	.69	4.4	4.6	3.5
April	28.953	29.440	28.359	46.0	58.2	63.4	43.9	53.6	84	31	37	39	73	52	.237	.257	3.03	1.04	6.1	4.8	5.0
May	28.938	29.341	28.420	61.7	74.3	78.5	58.8	68.6	92	36	51	51	69	46	.388	.389	1.10	.46	5.1	3.1	4.2
June	28.882	29.076	28.509	74.1	86.8	90.9	70.6	80.8	100	62	59	58	60	40	.507	.491	.33	.12	3.5	2.5	3.6
July	28.949	29.206	28.615	73.0	84.6	88.5	70.1	79.3	104	56	61	59	67	44	.544	.509	1.44	.60	4.0	3.5	4.7
August	28.942	29.209	28.764	70.6	83.2	87.3	68.8	78.0	104	55	62	61	74	48	.564	.545	2.31	1.50	4.2	2.7	3.5
September	28.958	29.200	28.650	66.4	76.6	82.2	64.6	73.4	96	53	61	64	82	67	.549	.611	6.17	3.29	5.5	5.8	5.1
October	29.019	29.410	28.626	50.6	56.7	62.9	47.9	55.4	84	32	45	46	83	69	.326	.334	4.06	2.17	6.0	5.2	6.7
November	29.008	29.806	28.373	33.6	41.1	48.8	29.2	39.0	76	6	26	29	73	64	.159	.178	2.17	.61	5.3	3.4	5.5
December	29.027	29.373	28.549	30.9	37.9	43.1	28.5	35.8	60	− 4	25	29	79	71	.145	.168	2.74	1.53	4.4	4.3	4.6
Year	28.988	29.806	28.359	50.4	60.4	65.8	47.5	56.6	104	−10	42	44	74	58	.323	.334	31.78	3.29	5.0	4.3	4.9

KEOKUK, IOWA.

[ϕ=40° 22′ N.; λ=91° 26′ W.]

January	29.472	29.842	28.941	24.7	30.2	39.1	20.1	29.6	63	−10	20	24	81	77	0.119	0.143	2.66	1.93	7.8	5.8	6.8
February	29.479	30.064	28.835	28.3	34.8	42.8	26.5	34.6	71	11	23	28	81	75	.133	.163	2.35	.92	5.2	5.9	5.2
March	29.383	29.886	28.825	34.8	46.2	53.6	32.8	43.2	76	18	26	31	71	56	.150	.183	1.79	.95	4.0	3.5	3.1
April	29.363	29.876	28.740	45.0	53.7	59.6	41.8	50.7	73	27	38	41	77	64	.244	.279	4.13	1.20	6.1	5.9	5.8
May	29.336	29.762	28.817	62.4	73.8	81.2	59.3	70.2	94	35	52	54	70	53	.406	.452	.42	.23	5.2	4.2	3.2
June	29.273	29.476	28.958	72.4	84.8	90.5	68.1	79.3	101	55	61	63	68	49	.546	.581	.65	.57	3.7	2.1	3.0
July	29.340	29.575	28.883	71.8	82.7	88.7	67.6	78.2	104	52	61	62	71	53	.556	.577	6.48	1.91	3.4	2.9	3.5
August	29.343	29.620	29.157	67.6	78.4	84.0	64.5	74.2	99	50	61	64	79	62	.548	.624	1.74	.49	5.3	3.7	4.0
September	29.352	29.624	29.073	62.8	71.2	78.3	60.9	69.6	94	51	60	64	90	79	.524	.603	7.67	2.68	5.4	6.3	6.1
October	29.397	29.770	28.996	47.6	53.9	60.1	44.9	52.5	86	31	44	46	88	76	.309	.332	2.19	1.13	5.2	5.3	6.0
November	29.370	30.183	28.644	31.6	35.3	43.4	26.0	34.7	79	4	27	29	81	77	.163	.171	2.88	1.12	4.8	4.7	5.5
December	29.422	29.834	28.835	31.2	35.7	41.8	27.8	34.8	60	3	27	30	84	79	.155	.171	1.87	.82	5.5	4.0	5.2
Year	29.378	30.183	28.644	48.4	56.7	63.6	45.0	54.3	104	−10	42	45	78	67	.321	.357	34.83	2.68	5.1	4.5	4.7

KEY WEST, FLA.

[ϕ=24° 33′ N.; λ=81° 48′ W.]

January	30.146	30.269	30.007	67.8	69.2	75.3	65.3	70.3	80	56	64	65	89	86	0.608	0.612	0.64	0.36	3.0	2.3	3.4
February	30.101	30.286	29.967	68.9	70.3	76.6	66.4	71.5	82	56	63	63	82	78	.589	.587	.01	.01	3.5	1.5	3.2
March	30.064	30.268	29.839	71.9	72.5	79.0	68.0	73.5	84	63	65	64	79	76	.620	.611	1.84	1.64	2.7	1.2	2.3
April	30.007	30.142	29.863	76.2	75.7	82.4	71.8	77.1	85	67	68	67	76	74	.687	.661	1.49	.74	4.5	3.0	3.9
May	29.940	30.040	29.804	77.7	76.8	82.9	72.2	77.6	86	67	69	67	74	73	.707	.674	2.88	.94	4.0	3.8	4.3
June	29.999	30.108	29.873	81.7	80.7	86.7	76.8	81.8	89	71	74	73	76	78	.831	.807	3.89	1.76	4.8	5.8	5.5
July	30.042	30.136	29.950	82.5	81.4	87.7	76.7	82.2	90	72	74	72	76	75	.839	.799	3.04	1.07	5.3	4.8	5.3
August	29.969	30.078	29.886	82.7	82.0	87.6	76.4	82.0	90	70	74	73	76	76	.850	.822	7.89	1.78	5.5	4.8	5.3
September	29.972	30.063	29.879	82.2	82.1	88.1	76.9	82.5	90	72	74	74	76	77	.840	.848	2.05	.54	5.0	3.4	4.6
October	29.921	30.039	29.754	81.3	81.3	86.8	76.8	81.8	89	72	74	75	80	80	.852	.861	5.32	1.43	4.4	3.2	4.6
November	29.973	30.304	29.844	76.6	76.6	81.0	72.9	77.0	86	54	71	71	84	83	.770	.764	6.00	3.76	6.0	4.3	5.4
December	30.039	30.309	29.814	70.7	72.3	76.1	68.9	72.5	82	55	66	67	85	83	.645	.668	.62	.23	4.9	3.5	4.4
Year	30.014	30.309	29.754	76.7	76.7	82.5	72.4	77.5	90	54	70	69	79	78	.736	.726	35.67	3.76	4.5	3.5	4.4

Annual meteorological summary for the year ending December 31, 1911—Continued.

KALISPELL, MONT.

[H=2,962 ft.; h_1=11 ft.; h_2=4 ft.; h_3=34 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	32° or Minimum temperature below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	5.0	NW.	22	W.	0	3	0	0	3	10	15	11	19	1	4	7	20	16	5	15	13	0	0	14	0	29	0	0
February	4.5	W.	20	SW.	0	5	1	1	2	9	9	18	9	2	9	9	10	6	2	12	6	0	0	7	0	28	0	0
March	5.2	W.	30	SW.	0	1	0	0	13	5	17	13	11	2	16	8	7	6	5	6	4	0	0	1	0	24	0	0
April	5.7	W.	27	SW.	0	9	0	2	10	1	9	15	13	1	9	11	10	8	6	7	5	0	0	0	0	18	0	1
May	5.6	SE.	26	SW.	0	5	3	3	8	6	10	15	11	1	4	13	14	11	7	2	0	0	0	0	0	3	0	0
June	4.6	NW.	36	S.	0	2	1	5	8	5	12	15	10	2	5	18	7	14	13	0	0	0	0	0	0	0	9	0
July	4.9	W.	21	N.	0	2	2	2	7	1	12	21	13	2	12	15	4	7	4	0	0	2	0	0	0	0	5	0
August	4.4	W.	21	N.	0	3	0	1	11	5	3	24	14	1	13	12	6	9	6	0	0	0	0	0	0	0	8	0
September	4.2	W.	23	SW.	0	8	1	0	9	6	8	18	9	1	9	13	8	11	8	2	1	0	0	0	0	4	2	0
October	4.0	W.	18	N.	0	4	0	1	2	15	6	15	18	1	16	6	9	3	3	1	1	0	0	0	0	17	0	0
November	4.0	NW.	22	N.	0	5	0	0	2	4	12	11	24	2	3	5	22	14	12	12	11	0	1	11	0	26	0	0
December	3.4	NW.	26	SW.	0	5	0	0	0	0	13	11	29	4	1	5	25	13	10	16	13	0	3	21	0	31	0	0
Year	4.6	W.	36	S.	0	52	8	15	75	67	126	187	180	20	101	122	142	118	81	73	54	2	4	54	0	180	24	1

KANSAS CITY, MO.

[H=963 ft.; h_1=161 ft.; h_2=141 ft.; h_3=181 ft.]

January	13.2	SW.	40	NW.	1	14	4	3	4	15	11	1	10	0	6	8	17	8	4	3	1	0	1	9	0	22	1	0
February	13.9	N	42	NW.	2	13	5	4	4	9	5	4	12	0	12	5	11	12	10	6	5	0	0	5	0	19	4	0
March	14.6	N.	48	N.	8	16	5	6	4	13	9	5	4	0	15	12	4	5	4	2	0	1	0	0	0	11	3	0
April	13.7	E.	51	SW.	3	12	3	15	8	8	4	5	5	0	11	11	8	8	7	0	0	2	0	0	0	2	7	0
May	13.3	S.	48	SW.	3	6	5	1	5	29	8	4	4	0	12	15	4	9	5	0	0	0	1	0	3	0	7	0
June	12.0	S.	41	W.	1	5	5	3	9	20	8	2	8	0	15	14	1	5	3	0	0	0	0	0	15	0	9	0
July	10.3	S.	43	N.	2	4	6	6	9	23	11	1	2	0	14	10	7	8	7	0	0	0	0	0	11	0	9	0
August	9.5	S.	40	NW.	1	13	5	8	12	13	11	0	0	0	15	13	3	4	3	0	0	0	0	0	12	0	8	0
September	10.6	S.	38	SW.	0	6	7	6	14	20	3	2	2	0	13	5	12	15	12	0	0	1	2	0	9	0	10	0
October	11.4	N.	42	N.	1	18	7	3	9	7	6	3	9	0	6	8	17	10	8	1	1	1	1	0	0	0	4	0
November	14.6	NW.	50	NW.	3	6	1	4	7	14	7	5	16	0	8	11	11	9	7	5	2	2	0	4	0	16	4	0
December	11.4	S.	39	SE.	0	3	3	10	8	14	7	4	13	0	13	9	9	7	5	3	3	0	2	4	0	21	0	0
Year	12.4	S.	51	SW.	25	116	56	69	93	185	90	36	85	0	140	121	104	100	75	20	12	7	7	22	50	91	66	0

KEOKUK, IOWA.

[H=614 ft.; h_1=64 ft.; h_2=56 ft.; h_3=78 ft.]

January	8.5	SW.	37	W.	0	3	5	0	8	12	10	7	16	1	6	9	16	8	8	7	3	0	4	10	0	24	1	0
February	8.6	NW.	31	W.	0	5	1	7	4	5	8	8	18	0	12	4	12	8	7	4	4	0	0	4	0	18	2	0
March	9.5	NW.	36	W.	0	7	4	4	11	6	10	7	13	0	16	12	3	6	5	2	2	0	0	0	0	16	2	0
April	7.9	NE.	37	SE.	0	2	14	9	10	4	6	4	11	0	12	6	12	11	10	0	0	0	0	0	0	3	7	0
May	8.4	S.	30	S.	0	4	3	2	9	24	11	3	6	0	17	12	2	6	4	0	0	0	0	0	5	0	6	0
June	7.4	SE.	36	SW.	0	4	5	6	15	11	3	6	7	3	16	13	1	6	1	0	0	0	0	0	16	0	9	0
July	7.1	S.	31	SW.	0	6	8	3	11	17	6	3	6	2	15	13	3	7	6	0	0	0	0	0	11	0	6	0
August	6.6	S.	26	NW.	0	10	9	6	15	12	4	0	6	0	15	13	3	8	6	0	0	0	0	0	5	0	9	0
September	6.4	SE.	36	NW.	0	10	6	7	7	12	4	3	8	3	10	6	14	16	14	0	0	0	3	0	3	0	11	0
October	6.9	NW.	24	W.	0	8	6	9	4	8	8	4	14	1	10	7	14	8	6	1	1	0	3	0	0	1	3	0
November	10.1	NW.	37	W.	0	2	0	5	8	9	11	8	16	1	10	11	9	10	10	7	3	0	2	3	0	21	2	0
December	7.7	S.	40	SW.	1	4	6	6	6	17	9	6	8	0	11	13	7	6	6	5	3	0	6	4	0	24	0	0
Year	7.8	S.	40	SW.	1	65	67	64	108	137	90	59	129	11	150	119	96	100	83	26	16	0	18	21	40	107	58	0

KEY WEST, FLA.

[H=22 ft.; h_1=41 ft.; h_2=32 ft.; h_3=49 ft.]

January	10.3	NE.	25	N.	0	12	39	7	2	0	0	0	2	0	20	7	4	5	2	0	0	0	0	0	0	0	0	0
February	9.7	NE.	26	NW.	0	10	26	11	3	1	0	0	5	0	17	9	2	1	0	0	0	0	0	0	0	0	0	0
March	9.4	NE.	42	NW.	1	7	16	17	4	3	0	3	10	2	22	8	1	4	2	0	0	0	0	0	0	0	2	0
April	10.9	E.	33	N.	0	3	27	14	5	0	0	2	9	0	19	8	3	7	4	0	0	0	0	0	0	0	3	0
May	8.8	NE.	22	NE.	0	13	20	12	8	0	0	3	6	0	15	10	6	11	9	0	0	0	0	0	0	0	3	0
June	9.0	E.	36	S.	0	1	12	23	15	5	0	2	2	0	8	17	5	13	7	0	0	0	0	0	0	0	3	0
July	6.8	E.	38	NE.	0	6	26	25	2	1	0	1	1	0	9	15	7	13	10	0	0	0	0	0	1	0	13	0
August	8.1	NE.	31	S.	0	4	27	12	7	1	5	1	5	0	9	15	7	13	9	0	0	0	0	0	0	0	10	0
September	8.4	NE.	23	E.	0	6	39	12	2	0	0	0	1	0	10	15	5	13	10	0	0	0	0	0	0	0	8	0
October	6.5	E.	23	SE.	0	6	17	17	8	4	3	3	4	0	13	14	4	18	15	0	0	0	0	0	0	0	2	0
November	9.0	NE.	32	NW.	0	10	28	9	6	0	1	0	4	2	10	9	11	16	12	0	0	0	0	0	0	0	1	0
December	9.0	N.	27	NW.	0	20	15	14	11	0	0	0	2	0	13	13	5	7	4	0	0	0	0	0	0	0	0	0
Year	8.8	NE.	42	NW.	1	98	292	173	73	15	9	15	51	4	165	140	60	121	84	0	0	0	0	0	1	0	45	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

KNOXVILLE, TENN.

[ϕ=35° 56′ N.; λ=83° 58′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.				Extremes.			Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.173	29.589	28.792	39.1	46.3	51.2	35.0	43.1	70	10	36	40	89	79	0.231	0.268	4.79	1.83	7.6	5.6	7.2
February	29.092	29.431	28.635	41.4	50.1	55.8	38.6	47.2	70	19	38	42	87	75	.240	.286	4.83	2.26	7.2	5.2	6.3
March	29.022	29.383	28.441	42.1	52.9	59.1	38.9	49.0	81	19	38	41	86	68	.239	.282	3.99	.85	5.4	4.9	5.0
April	29.043	29.390	28.690	51.0	60.2	67.0	46.7	56.8	81	32	43	43	75	58	.295	.302	7.66	2.50	6.0	6.0	6.0
May	29.027	29.294	28.698	64.5	75.8	82.3	58.3	70.4	93	39	55	53	71	48	.456	.446	1.23	.61	3.0	3.8	3.6
June	28.959	29.144	28.698	71.0	89.0	86.7	65.7	76.2	96	58	63	62	76	56	.581	.574	2.72	1.00	5.6	6.5	5.2
July	29.029	29.218	28.830	70.7	78.5	85.8	65.9	75.8	97	56	64	64	80	63	.611	.607	4.31	1.15	5.0	6.8	5.6
August	28.982	29.175	28.837	71.8	79.0	86.8	68.0	77.4	94	62	67	67	84	69	.658	.677	2.99	1.38	5.1	7.0	5.8
September	29.037	29.175	28.846	69.7	78.1	87.1	67.1	77.1	92	63	66	67	88	70	.635	.667	1.89	.98	5.7	4.1	5.2
October	29.018	29.318	28.749	58.0	65.3	73.3	54.6	64.0	90	38	54	56	87	72	.433	.464	3.78	2.34	4.6	3.6	5.2
November	29.072	29.530	28.597	38.9	46.5	53.7	35.3	44.5	72	17	34	34	79	62	.203	.213	4.37	1.07	6.5	4.6	5.7
December	29.110	29.433	28.586	39.3	46.8	52.6	37.2	44.9	71	23	35	37	84	69	.219	.238	4.84	1.26	6.4	5.5	6.8
Year	29.047	29.589	28.441	54.8	64.0	70.1	51.0	60.5	97	10	49	50	82	66	.400	.419	47.40	2.50	5.6	5.3	5.6

LA CROSSE, WIS.

[ϕ=43° 49′ N.; λ=91° 15′ W.]

January	29.315	29.857	28.565	11.9	19.0	25.2	5.4	15.3	43	−20	7	....	79	....	0.073	.....	0.79	0.26	7.3	5.1	7.2
February	29.344	29.934	28.680	22.3	28.8	33.0	18.7	25.8	51	− 2	16	....	76	....	.101	.....	1.69	.86	6.3	5.3	6.9
March	29.234	29.735	28.639	29.6	40.1	46.9	27.5	37.2	75	7	22	....	70	....	.121	.....	.87	.58	6.0	5.4	6.3
April	29.285	29.796	28.709	39.7	50.1	55.1	36.9	46.0	75	19	33	....	78	....	.202	.....	1.20	.36	5.8	5.9	6.7
May	29.193	29.631	28.674	57.5	69.2	75.7	52.8	64.2	91	26	49	....	75	....	.378	.....	5.20	1.53	5.0	5.6	5.3
June	29.161	29.412	28.963	66.4	78.2	83.9	61.6	72.8	97	46	60	....	82	....	.535	.....	2.05	.59	4.7	5.2	5.9
July	29.208	29.460	28.882	65.1	77.3	85.2	60.4	72.8	103	45	58	....	78	....	.488	.....	2.58	.57	4.8	4.0	4.8
August	29.244	29.546	28.966	61.1	71.1	77.9	57.7	67.8	90	42	57	....	88	....	.478	.....	3.49	1.22	6.8	4.4	5.9
September	29.271	29.533	28.999	54.1	63.2	74.1	50.9	61.2	88	36	51	....	90	....	.382	.....	5.00	1.31	5.2	6.1	6.5
October	29.269	29.641	28.823	42.0	47.6	54.9	39.2	47.0	73	24	39	....	88	....	.246	.....	6.89	1.98	5.8	4.1	6.2
November	29.211	30.005	28.567	23.9	30.0	35.1	20.0	27.6	47	3	20	....	83	....	.113	.....	2.55	.77	7.6	6.5	8.0
December	29.268	29.782	28.682	24.9	28.3	34.2	20.7	27.4	52	−12	22	....	87	....	.122	.....	3.02	1.26	6.6	6.8	7.6
Year	29.250	30.005	28.565	41.5	50.2	56.5	37.6	47.1	103	−20	36	....	81	....	.270	.....	34.83	1.98	6.0	5.4	6.4

LANDER, WYO.

[ϕ=42° 50′ N.; λ=108° 45′ W.]

January	24.546	24.894	23.923	21.2	33.6	42.0	14.2	28.1	61	−20	12	18	70	52	0.083	0.101	0.23	0.11	3.8	5.2	4.2
February	24.621	25.116	24.196	12.1	24.8	31.6	5.4	18.5	50	−16	5	10	72	54	.056	.068	2.32	.81	4.5	4.3	4.2
March	24.637	24.950	24.290	25.6	45.4	50.9	21.6	36.2	66	−13	19	24	75	45	.107	.128	.25	.16	3.8	3.8	3.1
April	24.557	25.035	24.229	31.9	49.8	54.5	28.2	41.4	73	8	23	24	73	40	.127	.130	.88	.43	4.6	4.2	3.8
May	24.554	24.862	24.190	42.9	61.8	66.0	37.8	51.9	82	27	32	29	68	32	.180	.159	.93	.41	4.0	4.7	3.7
June	24.652	24.970	24.314	53.2	72.5	77.5	46.9	62.2	90	36	41	39	65	34	.263	.247	2.04	1.56	3.7	5.7	3.9
July	24.745	25.045	24.414	52.7	76.8	81.4	48.3	64.8	89	38	42	42	68	32	.274	.275	1.03	.97	2.7	4.9	3.2
August	24.698	24.898	24.427	48.2	77.5	81.2	46.5	63.8	93	35	40	37	75	27	.251	.230	.22	.15	2.9	3.4	2.7
September	24.673	24.863	24.493	43.4	66.4	73.1	39.4	56.2	84	27	32	32	66	32	.187	.193	.22	.32	4.1	5.2	4.4
October	24.702	24.939	24.281	29.5	46.1	53.7	26.5	40.1	69	9	24	27	80	49	.134	.149	.73	.31	3.8	4.2	3.7
November	24.627	25.092	24.000	19.7	30.8	40.3	13.1	26.7	57	−14	13	14	74	48	.084	.082	.68	.30	4.2	4.8	5.3
December	24.586	24.981	24.243	6.8	14.9	24.9	−0.5	12.2	40	−17	3	4	84	61	.050	.054	.84	.29	4.3	5.4	5.4
Year	24.633	25.116	23.923	32.3	50.0	56.4	27.3	41.8	93	−26	24	25	72	42	.150	.151	10.37	1.56	3.9	4.6	4.0

LANSING, MICH.

[ϕ=42° 44′ N.; λ=84° 26′ W.]

January	29.141	29.565	28.499	23.6	25.2	32.5	17.8	25.2	46	− 1	20	22	85	86	0.118	0.125	1.43	0.54	7.8	6.4	6.6
February	29.130	29.597	28.681	25.3	27.8	34.5	20.6	27.6	54	7	22	22	84	79	.125	.122	1.77	.74	7.1	7.0	6.8
March	29.048	29.633	28.371	28.4	33.2	42.9	22.5	32.7	65	5	23	24	80	67	.130	.131	1.21	.37	5.5	4.7	5.8
April	29.138	29.613	28.382	39.6	46.1	54.7	33.9	44.3	75	10	33	34	77	64	.199	.213	2.11	.79	4.7	5.5	5.9
May	29.092	29.450	28.517	59.7	65.5	76.2	50.8	63.5	93	27	50	50	71	59	.396	.460	2.67	1.22	4.3	4.0	4.0
June	29.024	29.298	28.688	64.3	71.4	79.4	56.6	68.0	94	46	58	62	80	73	.486	.562	3.77	1.81	4.9	4.2	5.0
July	29.064	29.301	28.643	67.4	75.1	83.9	58.7	71.3	99	44	58	57	73	55	.500	.497	1.65	.72	3.4	2.9	3.2
August	29.091	29.338	28.867	62.7	70.0	80.1	56.2	68.2	93	40	57	57	83	65	.477	.480	1.48	.51	4.2	4.1	4.6
September	29.120	29.397	28.796	55.8	61.7	72.7	50.3	61.5	89	38	52	54	88	78	.399	.433	5.05	1.46	6.2	4.6	5.2
October	29.126	29.418	28.661	43.2	47.5	56.6	39.5	48.0	71	26	40	42	89	83	.255	.279	5.00	1.92	5.9	5.7	6.6
November	29.008	29.652	28.308	30.7	33.6	40.6	26.9	33.8	68	12	27	28	84	78	.153	.160	3.40	1.14	6.9	6.8	8.0
December	29.140	29.630	28.438	28.9	31.4	37.2	25.0	31.1	57	6	26	28	89	86	.148	.158	1.58	.55	7.2	7.3	7.4
Year	29.094	29.652	28.308	44.1	49.0	57.6	38.2	47.9	99	− 1	39	40	82	73	.282	.297	31.12	1.92	5.7	5.3	5.8

LIBRARY OF ALEXANDER GRAHAM BELL

Annual meteorological summary for the year ending December 31, 1911—Continued.

KNOXVILLE, TENN.

[H=996 ft.; h_1=93 ft.; h_2=84 ft.; h_3=100 ft.]

Month.	Wind.					Number of winds, 8 a. m. and 8 p. m.									Number of days.												
	By self-register.																	Precipitation.		Snow.				Maximum temp.		Minimum temperature 32° or below.	Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.		Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	5.5	SW.	26	SW.	0	9	13	5	0	3	20	5	3	4	4	10	17	17	10	2	1	0	1	1	0	9	0	0
February	5.0	SW.	21	SW.	0	11	13	2	1	1	15	6	5	2	6	10	12	14	9	4	2	0	1	6	0	8	2	0
March	6.1	SW.	30	W.	0	9	13	5	1	0	21	10	0	2	12	11	8	13	11	4	2	1	1	0	0	6	4	0
April	5.6	NE.	39	NW.	0	8	21	4	0	4	10	5	3	5	6	12	12	15	12	0	0	1	1	0	0	1	7	0
May	4.5	NE.	31	N.	0	6	23	9	3	2	13	2	4	0	13	17	1	7	6	0	0	0	0	0	0	7	6	0
June	4.8	NE.	30	NW.	0	8	18	3	0	4	18	4	4	1	8	16	6	11	9	0	0	0	0	0	0	8	10	0
July	3.9	SW.	27	NW.	0	7	14	3	0	7	19	4	1	2	7	17	7	10	9	0	0	0	0	0	0	6	10	0
August	4.0	SW.	19	E.	0	7	12	7	7	6	15	4	2	2	6	15	10	12	5	0	0	0	1	0	0	9	10	0
September	3.7	NE.	34	NW.	0	4	18	4	3	7	16	5	1	2	8	15	7	8	6	0	0	0	5	0	5	0	9	0
October	4.2	NE.	24	SW.	0	10	21	6	1	4	13	4	2	1	10	12	9	8	7	0	0	0	2	0	1	0	2	0
November	5.5	SW.	33	SW.	0	6	12	4	1	4	13	10	8	2	7	14	9	10	9	3	1	0	1	1	0	15	0	0
December	5.0	NE.	29	W.	0	4	26	4	3	3	11	5	4	2	6	7	18	13	10	1	0	0	1	0	0	10	0	0
Year	4.8	NE.	39	NW.	0	89	204	61	20	45	184	64	37	26	93	156	116	138	103	14	6	2	14	2	36	49	60	0

LA CROSSE, WIS.

[H=714 ft.; h_1=11 ft.; h_2=3 ft.; h_3=48 ft.]

January	6.0	S.	24	NW.	0	4	0	1	3	12	1	4	6	0	4	7	20	10	4	12	9	0	1	20	0	29	0	0
February	6.5	NW.	22	S.	0	5	0	2	4	4	2	4	7	0	4	7	17	5	5	7	2	0	0	14	0	22	0	0
March	8.0	S.	34	NW.	0	0	2	0	4	10	2	5	8	0	7	9	15	7	5	8	4	0	0	3	0	23	0	0
April	6.1	SE.	27	NW.	0	4	2	2	3	3	4	4	3	0	8	9	13	10	6	3	3	0	1	1	0	10	0	0
May	6.1	SE.	27	S.	0	4	2	2	9	6	4	2	2	0	9	12	10	13	10	1	1	0	1	0	4	4	10	0
June	4.7	S.	18	SW.	0	0	3	2	7	8	1	3	6	0	7	12	11	11	9	0	0	0	1	3	0	8	0	0
July	5.5	S.	26	S.	0	5	0	1	4	13	3	0	5	0	13	8	10	11	7	0	0	0	0	0	0	9	0	0
August	3.9	S.	18	SW.	0	3	3	1	5	10	3	2	4	0	9	8	14	12	8	0	0	0	0	0	0	1	0	1
September	4.4	S.	25	SW.	0	8	1	1	7	8	0	2	2	1	6	9	15	19	13	0	0	0	1	4	0	0	12	0
October	4.5	S.	23	W.	0	3	3	3	2	8	4	1	6	1	9	6	16	13	9	0	0	0	5	0	0	8	5	0
November	6.7	NW.	24	W.	0	3	0	0	5	5	1	7	9	0	2	7	21	11	9	13	7	0	0	12	0	28	2	0
December	5.4	S.	20	S.	0	5	0	2	4	11	5	1	3	0	2	9	20	10	7	12	8	0	0	15	0	28	0	0
Year	5.6	S.	34	NW.	0	44	16	17	62	98	30	35	61	2	80	103	182	132	92	56	34	2	15	65	22	152	58	1

LANDER, WYO.

[H=5372 ft.; h_1=26 ft.; h_2=18 ft.; h_3=36 ft.]

January	6.7	SW.	39	SW.	0	5	4	2	6	8	18	9	7	3	11	16	4	3	3	6	3	0	0	4	0	27	0	0
February	3.5	SW.	29	SW.	0	2	2	10	8	3	13	3	10	5	14	7	7	8	6	11	8	0	0	15	0	28	0	0
March	4.5	SW.	42	SW.	1	5	2	7	4	11	13	11	8	1	19	11	1	2	2	4	1	0	0	1	0	26	0	0
April	5.0	SW.	27	SW.	0	3	11	3	4	7	10	13	9	0	13	14	3	8	5	10	4	1	0	1	0	18	1	0
May	5.2	SW.	27	NW.	0	5	6	4	3	7	19	7	11	0	14	16	1	8	5	2	2	0	0	0	0	8	3	0
June	3.9	SW.	25	SW.	0	4	5	3	11	7	13	10	6	1	13	15	2	6	6	0	0	0	0	0	0	0	9	0
July	3.6	W.	23	NW.	0	6	9	3	4	4	13	12	11	0	17	13	1	3	2	0	0	0	0	0	0	0	7	0
August	3.6	W.	33	NE.	0	7	8	0	3	1	11	21	10	1	21	9	1	4	2	0	0	0	0	0	3	0	7	0
September	3.8	SW.	24	W.	0	1	9	3	6	8	16	8	9	0	13	9	8	4	1	0	0	0	0	0	0	5	5	0
October	3.1	NE.	26	NW.	0	3	12	5	4	7	11	7	11	2	17	9	5	6	4	4	3	0	0	0	0	23	0	0
November	3.7	NE.	26	NW.	0	8	10	5	2	10	8	4	12	1	10	10	10	6	4	9	6	0	0	6	0	29	0	0
December	2.0	SE.	24	W.	0	4	9	13	13	10	6	0	4	3	9	13	9	5	5	10	5	0	1	22	0	31	0	0
Year	4.0	SW.	42	SW.	1	53	87	58	68	83	151	105	108	17	171	142	52	63	45	56	32	1	1	49	3	195	32	0

LANSING, MICH.

[H=878 ft.; h_1=11 ft.; h_2=3 ft.; h_3=62 ft.]

January	8.3	SW.	34	NW.	0	5	5	1	6	13	16	6	10	0	9	7	15	14	9	12	6	0	2	12	0	27	0	0
February	8.8	W.	27	NW.	0	1	5	7	5	8	11	14	0	0	6	8	14	13	7	15	9	0	2	11	0	23	1	0
March	8.8	NW.	32	NW.	0	4	5	4	10	8	4	12	15	0	9	7	15	14	9	16	9	1	0	4	0	30	0	0
April	7.6	SE.	28	SW.	0	8	5	9	10	7	9	6	5	1	11	5	14	15	10	3	1	0	0	1	0	13	1	0
May	5.8	SW.	31	S.	0	1	4	5	5	14	16	8	8	1	14	11	6	8	6	1	0	0	0	0	3	5	6	0
June	4.7	SW.	32	NE.	0	2	4	6	6	11	12	6	11	2	11	9	10	9	8	0	0	0	1	2	0	3	0	0
July	5.2	SW.	28	NW.	0	1	5	1	9	7	20	10	9	0	19	7	5	8	6	0	0	0	1	0	0	8	0	0
August	4.3	S.	21	N.	0	10	6	7	12	6	10	4	7	0	11	13	7	9	8	0	0	0	1	0	0	4	0	0
September	4.8	SE.	29	NW.	0	11	5	9	8	4	9	7	6	1	11	8	11	13	9	0	0	0	0	5	0	0	0	0
October	5.6	E.	25	W.	0	11	10	8	9	7	9	3	5	0	6	9	16	14	12	4	2	0	3	0	0	6	2	0
November	8.9	SW.	31	S.	0	1	0	4	8	11	15	13	8	0	2	6	22	16	10	13	10	0	0	5	0	24	1	0
December	6.8	SW.	30	SW.	0	0	4	7	4	11	18	11	7	0	7	2	22	14	10	13	8	0	1	4	0	25	0	0
Year	6.6	SW.	34	NW.	0	55	58	66	94	104	146	97	105	5	116	92	157	147	104	77	45	3	16	37	18	153	34	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

LA SALLE, ILL.

[ϕ = 41° 20′ N.; λ = 89° 05′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.582	30.045	28.886	23.9	.....	34.6	18.6	26.6	53	— 1	20	....	83	....	0.123	.....	1.78	0.92	7.9	.....	7.6
February	29.571	30.141	28.863	27.2	.....	37.9	23.6	30.8	59	4	23	....	82	....	.132	.....	2.16	1.12	5.8	.....	6.3
March	29.485	29.972	28.943	31.6	.....	49.2	29.6	39.4	76	13	26	....	79	....	.145	.....	1.31	.63	4.1	.....	4.8
April	29.510	30.003	28.884	42.1	.....	56.3	38.6	47.4	72	23	37	....	83	....	.234	.....	3.37	.81	5.3	.....	6.3
May	29.454	29.858	28.938	61.0	.....	79.6	55.5	67.6	95	32	51	....	72	....	.405	.....	1.97	1.63	3.1	.....	3.9
June	29.394	29.608	29.152	68.5	.....	85.8	63.2	74.5	100	51	60	....	76	....	.534	.....	3.32	1.98	4.1	.....	4.1
July	29.459	29.656	28.956	69.3	.....	86.4	64.4	75.4	101	50	60	....	73	....	.532	.....	3.16	.94	3.3	.....	3.5
August	29.465	29.726	29.241	64.1	.....	82.0	61.4	71.7	94	47	60	....	88	....	.536	.....	6.45	3.27	4.7	.....	4.2
September	29.492	29.782	29.210	60.6	.....	76.3	58.0	67.2	92	43	58	....	92	....	.493	.....	7.42	1.90	6.1	.....	5.9
October	29.504	29.868	29.096	45.7	.....	60.2	43.4	51.8	85	30	43	....	89	....	.287	.....	2.40	.54	5.5	.....	6.0
November	29.459	30.255	28.856	29.6	.....	41.1	25.3	33.2	76	9	25	....	83	....	.152	.....	2.26	.86	5.4	.....	5.8
December	29.545	30.023	29.051	29.0	.....	38.8	26.4	32.6	61	3	26	....	86	....	.147	.....	2.04	.55	5.7	.....	6.2
Year	29.493	30.255	28.856	46.0	.....	60.7	42.3	51.5	101	— 1	41	....	82	....	.310	.....	37.64	3.27	5.1	.....	5.4

LEWISTON, IDAHO.

[ϕ = 46° 25′ N.; λ = 117° 2′ W.]

January	29.194	29.893	28.537	31.2	.....	40.0	27.6	33.8	53	16	26	....	81	....	0.140	.....	0.49	0.16	6.9	.....	7.8
February	29.311	29.762	28.630	29.3	.....	42.0	27.6	34.8	49	18	26	....	84	....	.136	.....	.53	.21	5.9	.....	6.3
March	29.297	29.663	28.866	36.5	.....	61.2	34.5	47.8	78	21	30	....	80	....	.171	.....	.37	.30	3.8	.....	3.6
April	29.193	29.734	28.826	40.3	.....	64.6	38.4	51.5	85	26	31	....	72	....	.177	.....	.30	.18	5.7	.....	5.2
May	29.134	29.573	28.724	45.9	.....	67.5	43.7	55.6	91	37	41	....	84	....	.260	.....	1.86	.34	6.8	.....	7.3
June	29.113	29.357	28.921	57.1	.....	80.0	55.9	68.0	94	46	49	....	76	....	.358	.....	1.13	.36	6.6	.....	5.4
July	29.171	29.420	28.985	59.9	.....	91.3	59.2	75.2	106	50	47	....	64	....	.329	.....	.04	.02	2.4	.....	1.8
August	29.152	29.415	29.005	56.1	.....	87.1	55.5	71.3	102	47	46	....	70	....	.317	.....	.74	.60	1.7	.....	3.3
September	29.177	29.452	28.960	50.4	.....	74.0	48.5	61.2	95	34	44	....	80	....	.296	.....	.52	.29	6.0	.....	4.9
October	29.308	29.639	28.847	40.3	.....	62.5	38.0	50.2	88	24	35	....	83	....	.213	.....	1.19	.55	4.8	.....	3.9
November	29.333	29.914	28.710	35.5	.....	48.8	32.2	40.5	59	19	29	....	77	....	.164	.....	.82	.30	6.3	.....	7.1
December	29.313	29.615	28.841	30.4	.....	39.4	28.1	33.8	52	17	28	....	89	....	.151	.....	1.07	.39	8.4	.....	8.6
Year	29.225	29.914	28.537	42.7	.....	63.2	40.8	52.0	106	16	36	....	78	....	.226	.....	9.06	.60	5.4	.....	5.4

LEXINGTON, KY.

[ϕ = 38° 2′ N.; λ = 84° 33′ W.]

January	29.133	29.524	28.710	35.6	.....	45.7	30.9	38.3	65	4	33	....	88	....	0.210	.....	2.44	0.69	7.1	.....	7.6
February	29.071	29.479	28.685	35.4	.....	49.1	31.6	40.4	70	16	32	....	88	....	.198	.....	2.21	.83	6.5	.....	6.1
March	28.976	29.446	28.334	38.2	.....	53.0	32.8	42.9	77	13	32	....	78	....	.191	.....	2.31	1.04	5.3	.....	5.6
April	29.025	29.418	28.567	47.8	.....	60.1	43.2	51.6	80	27	41	....	78	....	.269	.....	4.46	.90	6.6	.....	6.3
May	29.027	29.322	28.578	64.5	.....	80.1	58.9	69.5	93	36	53	....	68	....	.434	.....	1.07	.56	3.1	.....	3.7
June	28.944	29.140	28.752	69.0	.....	83.7	63.9	73.8	96	53	60	....	76	....	.533	.....	3.01	.87	4.8	.....	6.0
July	29.017	29.165	28.781	71.3	.....	85.7	65.6	75.6	98	53	60	....	69	....	.532	.....	.92	.60	4.1	.....	6.3
August	28.971	29.151	28.903	70.4	.....	85.2	66.4	75.8	99	56	63	....	79	....	.591	.....	2.84	.80	6.1	.....	6.7
September	29.011	29.207	28.869	66.7	.....	81.3	63.7	72.5	90	52	63	....	89	....	.590	.....	4.37	1.22	5.7	.....	6.3
October	29.004	29.356	28.701	53.6	.....	66.8	49.5	58.2	85	35	50	....	88	....	.380	.....	3.67	1.16	5.9	.....	6.5
November	29.037	29.587	28.610	35.6	.....	48.2	31.3	39.8	71	13	31	....	83	....	.186	.....	3.84	1.56	7.4	.....	7.4
December	29.075	29.432	28.628	37.3	.....	48.0	33.6	40.8	65	16	32	....	83	....	.196	.....	6.20	1.38	6.8	.....	7.4
Year	29.024	29.587	28.334	52.1	.....	65.6	47.6	56.6	99	4	46	....	81	....	.359	.....	37.34	1.56	5.8	.....	6.3

LINCOLN, NEBR.

[ϕ = 40° 49′ N.; λ = 96° 45′ W.]

January	28.824	29.326	28.309	21.2	28.1	36.5	16.8	26.6	64	— 16	16	18	80	66	0.105	0.112	0.18	0.18	6.2	6.3	6.7
February	28.864	29.492	28.203	25.2	32.7	39.6	22.3	31.0	65	4	21	22	84	65	.122	.123	2.01	.76	5.6	5.1	5.8
March	28.706	29.278	28.172	33.7	48.4	56.1	30.7	43.4	78	18	26	27	74	46	.147	.152	.43	.22	4.0	3.9	4.6
April	28.718	29.222	28.112	41.4	56.8	63.2	38.8	51.0	82	29	34	37	77	51	.210	.237	2.56	1.48	5.3	5.9	5.6
May	28.671	29.092	28.096	57.8	70.9	76.4	54.3	65.4	94	31	49	51	74	52	.362	.390	3.95	1.23	5.3	6.4	5.6
June	28.641	28.862	28.302	69.2	86.5	92.1	65.3	78.7	103	55	58	57	68	38	.484	.472	.56	.45	4.4	3.6	3.8
July	28.712	29.006	28.422	68.8	85.8	91.1	65.4	78.2	110	52	57	55	67	37	.474	.445	1.83	.94	4.2	4.0	4.5
August	28.725	29.020	28.486	64.9	81.3	87.1	62.4	74.8	103	45	58	59	80	48	.506	.511	4.32	2.42	4.1	3.8	4.2
September	28.720	28.995	28.429	62.0	72.5	80.1	59.3	69.7	97	43	57	60	84	66	.481	.538	4.84	1.53	6.7	4.9	5.6
October	28.778	29.204	28.274	44.6	52.9	61.2	42.3	51.8	75	27	41	42	86	68	.272	.287	1.63	.92	5.9	5.5	5.7
November	28.768	29.601	28.291	26.5	35.8	44.6	22.5	33.6	62	2	20	22	75	58	.115	.126	.05	.02	5.6	3.7	4.9
December	28.775	29.113	28.289	24.1	30.5	36.8	20.9	28.8	55	— 4	20	24	85	76	.115	.133	2.24	1.39	4.5	5.3	5.0
Year	28.747	29.601	28.096	45.0	56.8	63.7	41.8	52.8	110	— 16	38	40	78	56	.283	.264	24.60	2.42	5.2	4.9	5.2

Annual meteorological summary for the year ending December 31, 1911—Continued.

LA SALLE, ILL.

[H=536 ft.; h_t=56 ft.; h_r=49 ft.; h_a=64 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow. T. or more.	Snow. 0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Electricity. Auroras.
	Miles.		*Mi.*																									
January	8.7	SW.	39	NW.	0	0	5	1	1	5	7	6	6	0	2	12	17	15	6	9	4	0	1	11	0	26	0	0
February	9.5	W.	34	W.	0	2	5	2	1	2	4	7	5	0	8	5	15	9	8	7	3	0	2	10	0	22	0	0
March	10.1	W.	42	NW.	1	3	5	3	6	0	2	7	4	1	12	10	9	7	6	6	3	0	1	1	0	23	1	0
April	9.0	NE.	34	W.	0	4	9	4	5	1	1	3	3	0	10	4	16	12	11	2	1	0	0	0	0	7	5	0
May	8.2	SW.	31	W.	0	1	4	2	2	1	9	10	1	1	14	12	5	4	4	0	0	0	0	0	5	0	5	0
June	6.8	SW.	33	SW.	0	1	4	5	4	4	5	5	2	0	14	11	5	8	6	0	0	0	0	0	10	0	10	0
July	6.4	SW.	31	NW.	0	3	4	2	2	5	8	4	3	0	17	11	3	9	9	0	0	0	0	0	11	0	8	0
August	5.4	NE.	37	NW.	0	1	8	5	4	4	3	2	4	0	13	14	4	10	10	0	0	0	1	0	2	0	9	0
September	6.1	E.	35	SE.	0	1	8	8	3	0	3	4	2	1	7	11	12	19	15	0	0	1	3	0	2	0	13	0
October	6.9	W.	26	SW.	0	3	6	1	1	3	5	6	5	1	6	12	13	12	9	1	1	1	3	0	0	3	3	0
November	10.9	W.	37	NW.	0	6	2	2	1	3	6	10	6	0	10	7	13	12	9	10	3	0	0	6	0	23	2	0
December	8.2	SW.	41	SW.	2	0	2	3	3	2	6	8	6	1	9	8	14	8	6	11	4	0	4	5	0	25	0	0
Year	8.0	W.	42	NW.	3	19	62	38	33	30	59	72	47	5	122	117	126	125	99	46	19	2	15	33	30	129	56	0

LEWISTON, IDAHO.

[H=757 ft.; h_t=10 ft.; h_r=4 ft.; h_a=51 ft.]

January	5.5	E.	52	W.	1	3	3	13	2	1	4	3	1	1	2	8	21	9	4	4	4	0	0	5	0	24	0	0
February	6.1	E.	34	W.	0	1	3	16	2	2	2	1	0	1	7	7	14	9	6	8	6	0	0	0	0	23	0	0
March	5.2	E.	42	W.	2	1	3	13	1	1	3	3	4	2	17	8	6	4	1	0	0	1	0	0	0	6	0	0
April	6.7	E.	47	W.	2	1	2	17	1	1	2	3	1	2	10	11	9	6	3	1	0	1	1	0	0	5	0	0
May	5.4	E.	54	W.	2	2	0	18	1	1	3	2	1	3	2	14	15	12	10	0	0	1	0	0	1	0	2	0
June	5.8	E.	46	W.	1	0	2	19	4	0	3	2	0	0	9	10	11	10	7	0	0	1	0	0	3	0	7	0
July	6.5	E.	48	W.	2	0	4	21	1	2	1	2	0	0	25	6	0	3	0	0	0	0	0	0	17	0	1	0
August	5.2	E.	49	N.	2	0	1	23	4	2	0	1	0	0	20	8	3	5	3	0	0	0	0	0	6	0	2	0
September	5.5	E.	42	W.	1	0	1	14	7	2	1	3	0	2	9	16	5	5	3	0	0	0	0	0	2	0	2	0
October	3.4	E.	36	W.	0	1	0	16	5	1	1	2	1	4	16	9	6	7	5	0	0	0	0	0	0	10	0	0
November	6.8	E.	48	W.	1	0	3	10	8	1	3	2	1	2	6	8	16	10	7	3	1	0	0	1	0	15	0	0
December	3.7	E.	30	SW.	0	1	2	9	7	2	4	1	1	4	2	3	26	13	7	10	9	0	0	3	0	27	0	0
Year	5.5	E.	54	W.	14	10	24	189	43	16	27	25	10	21	125	108	132	93	56	26	21	4	0	9	29	110	14	0

LEXINGTON, KY.

[H=989 ft.; h_t=75 ft.; h_r=68 ft.; h_a=102 ft.]

January	12.6	SW.	44	W.	1	4	1	2	5	5	8	4	2	0	5	6	20	16	10	4	3	0	2	7	0	21	2	0
February	11.8	W.	39	SW.	0	2	2	1	3	4	5	5	6	0	7	9	12	10	7	4	1	0	3	8	0	18	2	0
March	13.1	W.	50	SW.	3	3	2	3	5	5	5	5	3	0	11	7	13	9	6	3	2	1	4	0	0	15	3	0
April	12.6	SE.	64	W.	3	3	4	1	12	3	4	1	2	0	7	11	12	20	13	0	0	0	0	0	0	3	7	0
May	8.5	NE.	39	SW.	0	0	10	1	4	10	2	1	3	0	16	9	6	7	5	0	0	0	0	0	6	0	6	0
June	8.6	NE.	36	SW.	0	3	6	2	6	3	4	2	3	1	7	9	14	13	10	0	0	0	0	1	0	4	0	11
July	7.8	S.	34	W.	0	0	5	3	3	8	8	1	2	1	7	11	13	9	5	0	0	0	0	0	0	8	0	10
August	7.5	SW.	49	SE.	1	2	3	4	3	9	5	2	2	1	4	13	14	11	9	0	0	0	0	0	0	10	0	11
September	7.8	SW.	32	NW.	0	1	5	4	0	8	9	1	2	0	5	11	14	12	9	0	0	0	1	2	0	0	0	11
October	7.7	NE.	36	W.	0	2	9	1	5	5	4	3	2	0	6	10	15	12	9	0	0	0	1	2	0	0	0	3
November	13.2	W.	46	SW.	2	0	2	3	3	6	5	7	4	0	5	6	19	10	8	4	3	0	0	4	0	18	1	0
December	11.2	S.	40	W.	1	4	1	2	8	7	3	4	2	0	6	3	22	16	13	3	1	0	2	2	0	13	1	0
Year	10.2	S.	64	W.	11	24	50	27	57	73	62	36	33	3	86	105	174	145	104	18	10	2	15	16	28	88	68	0

LINCOLN, NEBR.

[H=1,189 ft.; h_t=11 ft.; h_r=4 ft.; h_a=84 ft.]

January	12.2	S.	44	NW.	4	13	8	2	4	19	7	2	6	1	7	7	17	1	1	3	1	0	1	12	0	28	0	0
February	12.0	N.	42	NW.	1	16	9	2	6	8	2	2	11	0	9	7	12	5	5	6	2	0	1	6	0	23	1	0
March	13.2	N.	50	NW.	4	13	9	4	5	13	6	4	8	0	14	5	12	5	5	4	2	0	2	0	0	18	0	0
April	12.1	SE.	54	NW.	2	9	11	8	13	5	5	3	6	0	9	8	13	14	9	1	1	0	2	1	0	8	4	0
May	13.1	S.	44	NW.	2	5	9	0	11	27	1	3	6	0	10	9	12	11	9	1	1	0	0	0	0	5	1	0
June	11.8	S.	56	W.	3	9	8	9	11	13	3	0	7	0	14	13	3	6	2	0	0	0	0	0	18	0	8	0
July	10.4	S.	44	NW.	1	11	14	4	4	20	3	2	4	0	14	11	6	5	4	0	0	0	0	0	16	0	7	0
August	8.9	SE.	47	SW.	1	5	14	5	18	9	5	2	4	0	15	10	6	11	6	0	0	0	0	0	9	0	10	0
September	9.2	SE.	32	NW.	0	8	9	5	20	13	1	3	1	0	11	8	11	8	7	0	0	0	1	0	6	0	9	0
October	9.3	SE.	38	N.	0	12	4	5	16	4	8	4	8	1	11	7	13	9	6	1	1	0	0	0	0	6	1	0
November	13.0	NW.	50	NW.	2	9	3	1	8	13	4	6	16	0	12	9	9	3	0	7	1	1	1	4	0	26	0	0
December	9.8	S.	38	NW.	0	6	5	8	6	12	8	7	10	0	14	5	12	7	5	8	5	0	0	10	0	29	0	0
Year	11.2	S.	56	W.	20	116	103	53	122	156	53	38	87	2	140	99	126	85	59	31	13	3	7	32	54	139	47	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

LITTLE ROCK, ARK.

[ϕ=34° 45′ N.; λ=92° 6′ W.]

Month.	Pressure.			Temperature.							Moisture.										Cloudiness.		
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.						
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.			8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*					
January	29.829	30.199	29.312	43.3	51.5	56.4	40.1	48.2	77	8	38	40	80	67	0.266	0.292	0.98	0.35			7.6	6.3	7.3
February	29.768	30.316	29.321	44.8	54.1	58.9	42.2	50.6	80	20	37	39	75	60	.242	.264	4.26	1.93			6.1	6.0	6.2
March	29.703	30.062	29.277	48.8	62.6	67.7	46.3	57.0	89	30	40	42	73	51	.265	.285	2.10	1.21			6.2	5.5	5.2
April	29.642	30.062	29.209	54.4	64.1	69.9	51.6	60.8	87	41	48	51	81	66	.359	.395	10.72	2.96			6.7	6.7	6.9
May	29.666	29.979	29.302	65.1	77.6	82.6	61.8	72.2	94	44	57	58	77	53	.489	.498	.82	.78			2.5	3.9	3.3
June	29.576	29.751	29.368	75.2	86.5	91.7	71.7	81.7	100	67	65	64	73	51	.632	.617	3.11	1.98			3.5	5.3	4.7
July	29.650	29.895	29.443	73.3	81.2	86.2	70.9	78.6	97	62	69	69	86	68	.708	.714	3.24	1.28			7.4	8.0	7.5
August	29.588	29.710	29.451	72.9	80.6	86.0	71.0	78.5	102	60	70	71	92	75	.744	.766	8.88	2.99			5.8	5.7	6.0
September	29.661	29.872	29.502	71.9	81.7	88.5	70.4	79.4	96	59	70	72	93	74	.728	.796	6.43	2.57			2.7	2.7	2.9
October	29.689	29.993	29.429	56.4	65.2	72.0	54.5	63.2	89	37	54	57	92	76	.454	.494	.41	.33			4.9	2.6	4.5
November	29.755	30.351	29.131	41.8	51.3	57.1	37.0	47.0	81	19	34	35	74	56	.228	.234	4.00	1.63			4.7	3.7	4.6
December	29.750	30.175	29.329	39.7	46.5	51.3	37.4	44.4	64	20	35	36	84	69	.219	.231	6.17	2.59			5.9	4.7	6.1
Year	29.690	30.351	29.131	57.3	66.9	72.4	54.6	63.5	102	8	51	53	82	64	.444	.466	51.12	2.99			5.3	5.1	5.4

LOS ANGELES, CAL.

[ϕ=34° 3′ N.; λ=118° 15′ W.]

January	29.729	29.981	29.463	52.0	59.4	64.9	48.9	56.9	82	42	39	42	68	59	0.262	0.282	6.70	2.97			4.9	5.4	5.0
February	29.675	30.003	29.407	47.2	55.9	60.2	44.8	52.5	75	39	39	39	74	57	.245	.251	2.91	1.14			5.4	4.6	4.8
March	29.696	29.814	29.520	53.8	60.6	65.6	52.0	58.8	83	45	48	48	83	68	.336	.344	5.15	1.99			7.1	6.3	6.9
April	29.627	29.783	29.452	52.8	60.8	65.7	51.1	58.4	81	45	46	46	82	62	.324	.324	.28	.12			6.5	4.3	5.4
May	29.579	29.701	29.435	54.6	64.1	69.9	52.9	61.4	94	48	48	48	82	57	.345	.335	.02	.01			6.9	1.7	3.7
June	29.562	29.643	29.367	56.4	67.2	72.8	54.9	63.8	87	51	54	53	91	61	.412	.400	.03	.03			8.5	1.3	4.3
July	29.565	29.676	29.418	60.8	72.2	79.1	59.7	69.4	93	55	57	57	89	60	.473	.472	T.	T.			7.8	2.3	3.9
August	29.540	29.614	29.438	61.6	73.7	81.2	59.9	70.6	95	55	56	56	84	57	.456	.459	.00	.00			6.1	.8	2.2
September	29.557	29.662	29.409	59.6	70.9	78.6	57.7	68.2	86	52	54	55	82	58	.418	.431	1.23	1.23			4.6	3.2	3.8
October	29.566	29.715	29.350	58.8	68.2	77.2	55.5	66.4	95	51	46	50	67	56	.321	.371	.16	.16			3.7	1.6	2.6
November	29.685	29.931	29.486	56.5	66.5	74.6	53.6	64.1	86	47	30	38	46	43	.201	.260	.10	.10			2.2	2.3	2.4
December	29.686	29.917	29.364	49.8	58.0	64.5	46.3	55.4	85	38	29	37	52	49	.181	.229	1.27	.78			2.1	1.7	2.2
Year	29.622	30.003	29.350	55.3	64.8	71.2	53.1	62.2	95	38	46	47	75	57	.331	.346	17.85	2.97			5.5	3.0	3.9

LOUISVILLE, KY.

[ϕ=38° 15′ N.; λ=85° 45′ W.]

January	29.629	30.050	29.135	37.3	41.8	46.9	32.4	39.6	65	6	32	34	79	73	0.199	0.246	2.31	0.54			7.8	7.3	7.9
February	29.584	30.035	29.018	37.3	44.2	50.9	33.5	42.2	72	20	32	33	80	66	.193	.209	2.80	1.03			7.2	5.1	5.8
March	29.494	29.973	28.826	40.5	49.5	56.6	35.7	46.2	80	16	31	33	69	54	.182	.203	2.30	.81			5.5	4.7	5.6
April	29.513	29.929	28.981	49.6	57.7	63.5	45.9	54.7	83	32	41	40	72	54	.269	.268	5.35	1.32			7.2	5.8	6.3
May	29.500	29.837	29.019	65.7	76.4	83.0	60.5	71.8	98	39	54	53	67	46	.446	.432	2.08	.80			3.4	3.2	3.6
June	29.417	29.634	29.198	71.8	80.0	87.7	67.2	77.4	100	58	62	63	71	60	.557	.595	2.70	1.71			4.5	5.6	5.1
July	29.485	29.659	29.152	72.2	81.5	88.8	68.0	78.4	104	55	61	60	68	51	.555	.544	3.43	1.58			3.0	5.1	4.8
August	29.448	29.628	29.319	71.8	80.8	88.2	68.8	78.5	102	59	64	62	77	56	.612	.576	2.71	1.37			5.9	5.5	5.9
September	29.489	29.714	29.286	67.9	76.0	84.3	65.5	74.9	92	56	64	65	87	70	.602	.634	4.66	1.26			6.1	3.7	5.4
October	29.502	29.866	29.162	54.1	61.2	68.3	50.9	59.6	89	38	50	51	87	69	.385	.392	2.89	1.07			6.5	4.5	6.5
November	29.543	30.158	29.038	38.3	43.6	50.1	33.9	42.0	74	17	32	32	77	63	.193	.198	3.79	2.12			6.5	5.2	6.6
December	29.584	29.976	28.946	39.3	43.7	48.7	35.2	42.0	66	19	32	34	74	68	.187	.204	4.36	1.33			8.1	6.3	7.4
Year	29.516	30.158	28.826	53.8	61.4	68.1	49.8	58.9	104	6	46	47	76	61	.365	.375	39.38	2.12			6.0	5.2	5.9

LYNCHBURG, VA.

[ϕ=37° 25′ N.; λ=79° 9′ W.]

January	29.459	30.000	28.867	37.0	43.5	51.5	32.4	42.0	72	20	29	35	74	72	0.175	0.215	4.19	1.25			5.8	4.5	5.8
February	29.404	29.852	29.012	35.2	43.1	50.2	32.3	41.2	71	20	29	33	78	68	.186	.191	1.23	.39			6.6	4.6	6.0
March	29.319	29.836	28.636	38.7	47.5	55.7	34.4	45.0	77	17	30	32	70	57	.171	.191	2.12	.73			4.1	3.4	4.7
April	29.395	29.820	28.834	47.8	55.5	61.6	41.8	51.7	80	31	41	42	78	62	.269	.285	4.21	.93			6.1	5.9	6.3
May	29.323	29.644	28.943	64.3	72.9	82.4	56.1	69.2	93	35	55	57	73	59	.459	.482	.66	.37			2.8	3.7	3.7
June	29.236	29.443	28.946	71.0	77.0	85.6	63.9	74.8	98	53	62	64	74	66	.557	.596	2.82	1.54			4.4	5.0	4.8
July	29.314	29.504	29.044	72.4	79.2	88.3	66.4	77.4	97	56	64	65	75	63	.600	.628	5.53	4.17			3.7	4.8	4.3
August	29.299	29.457	29.106	71.6	77.7	87.0	66.6	76.8	98	56	66	68	83	74	.642	.692	5.73	1.86			4.8	5.2	4.6
September	29.344	29.614	29.086	67.0	73.0	81.8	63.2	72.5	90	49	62	66	85	79	.567	.645	.85	.35			5.5	3.3	4.9
October	29.357	29.753	29.013	53.0	58.9	68.6	49.9	59.2	87	35	48	54	85	83	.350	.418	3.87	1.00			6.9	4.8	6.0
November	29.365	29.924	28.772	39.0	44.1	52.9	34.1	43.5	69	22	32	33	76	66	.196	.198	3.22	1.02			5.5	3.8	5.9
December	29.444	29.776	28.887	37.5	43.4	51.9	34.5	43.2	69	23	31	36	78	74	.185	.215	4.65	1.38			5.9	5.1	6.5
Year	29.355	30.000	28.636	52.9	59.6	68.1	48.0	58.0	98	17	46	49	77	69	.361	.396	39.08	4.17			5.2	4.5	5.3

Annual meteorological summary for the year ending December 31, 1911—Continued.

LITTLE ROCK, ARK.

[H=357 ft.; h_t=139 ft.; h_r=132 ft.; h_a=147 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	10.2	SW.	38	NW.	0	5	12	9	6	10	16	2	2	0	5	7	19	10	6	2	1	0	2	1	0	6	0	0
February	9.5	E.	37	SW.	0	9	10	10	4	8	6	1	8	0	8	6	14	12	9	1	1	0	2	0	0	4	2	0
March	11.1	SW.	42	NW.	1	5	10	8	1	6	18	5	9	0	11	12	8	7	7	1	0	0	0	0	0	2	1	0
April	10.3	NE.	47	SW.	2	5	11	13	6	8	9	1	7	0	8	4	18	14	13	0	0	0	1	0	0	0	10	0
May	7.2	SW.	37	NW.	0	2	6	10	10	10	15	4	5	0	17	12	2	2	2	0	0	0	1	0	9	0	2	0
June	8.1	SW.	41	W.	1	1	8	12	5	10	13	3	8	0	12	11	7	9	6	0	0	0	0	0	21	0	10	0
July	7.1	E.	30	NW.	0	3	4	12	11	10	11	5	5	1	4	5	22	11	9	0	0	0	0	0	4	0	5	0
August	7.1	E.	49	NW.	1	5	8	18	8	5	9	2	5	2	10	5	16	14	12	0	0	0	0	0	9	0	7	0
September	6.6	SW.	46	N.	1	3	4	9	7	15	17	1	2	2	18	8	4	6	5	0	0	0	0	0	14	0	9	0
October	8.0	SW.	27	NW.	0	10	10	10	4	6	10	3	9	0	15	6	10	3	2	0	0	0	0	0	0	0	1	0
November	10.8	NW.	52	NW.	1	5	8	8	8	7	9	6	8	1	14	4	12	9	8	1	0	0	0	1	0	11	1	0
December	8.6	E.	34	E.	0	4	8	21	6	3	8	7	5	0	7	11	13	15	12	0	0	0	4	0	0	8	0	0
Year	8.7	SW.	52	NW.	7	57	99	140	76	98	141	40	73	6	129	91	145	112	91	5	2	0	10	2	57	31	48	0

LOS ANGELES, CAL.

[H=338 ft.; h_t=159 ft.; h_r=151 ft.; h_a=191 ft.]

January	6.6	NE.	28	NW.	0	2	28	4	2	3	19	4	0	0	14	4	13	12	12	0	0	0	0	0	0	0	1	0
February	7.9	NE.	30	N.	0	6	19	2	3	3	17	3	3	0	10	13	5	9	7	0	0	0	0	0	0	0	0	0
March	6.4	SW.	32	SW.	0	0	15	6	10	3	19	4	5	0	5	10	16	9	8	0	0	1	2	0	0	0	0	0
April	5.9	SW.	20	SW.	0	2	10	4	3	9	28	1	3	0	9	8	13	4	2	0	0	0	2	0	0	0	0	0
May	6.2	SW.	22	SW.	0	1	17	4	5	1	31	1	2	0	13	16	2	2	0	0	0	0	1	0	1	0	0	0
June	5.9	SW.	25	NW.	0	0	11	4	7	3	32	1	2	0	11	16	3	1	0	0	0	0	1	0	0	0	0	0
July	5.4	SW.	22	SE.	0	2	6	1	6	8	32	1	6	0	13	15	3	0	0	0	0	0	0	0	2	0	0	0
August	5.2	SW.	17	SW.	0	3	8	1	7	8	25	5	4	1	22	8	1	0	0	0	0	0	2	0	4	0	0	0
September	5.1	SW.	19	W.	0	3	19	1	2	3	23	4	5	0	14	13	3	2	2	0	0	0	2	0	0	0	0	0
October	5.3	SW.	20	NW.	0	6	19	0	3	2	22	7	3	0	18	11	2	1	1	0	0	0	2	0	2	0	0	0
November	6.1	NE.	34	NW.	0	7	22	0	2	2	15	6	6	0	20	7	3	1	1	0	0	0	2	0	0	0	0	0
December	7.5	NE.	38	NW.	0	2	26	0	2	4	15	6	7	0	24	4	3	3	2	0	0	0	0	0	0	0	0	0
Year	6.1	SW.	38	NW.	0	34	200	27	52	49	278	43	46	1	173	125	67	44	35	0	0	1	12	0	9	0	1	0

LOUISVILLE, KY.

[H=525 ft.; h_t=111 ft.; h_r=103 ft.; h_a=132 ft.]

January	9.6	SW.	36	SW.	0	6	7	4	5	12	17	5	6	0	3	6	22	15	8	4	3	0	0	3	0	18	2	0
February	9.7	W.	31	SW.	0	6	9	3	4	5	10	14	5	0	9	7	12	9	6	5	3	0	1	2	0	14	2	0
March	10.4	SW.	48	W.	2	5	9	1	10	3	17	9	8	0	9	11	11	10	9	2	1	1	0	0	0	8	4	0
April	9.7	NE.	47	W.	1	10	10	8	9	8	3	8	4	0	9	6	15	17	14	0	0	1	0	0	0	1	10	0
May	6.4	SW.	35	W.	0	8	8	3	8	10	12	8	5	0	15	14	2	6	6	0	0	0	0	0	9	0	7	0
June	7.1	S.	37	N.	0	7	13	4	8	13	8	3	4	0	8	14	8	9	7	0	0	0	0	0	8	0	8	0
July	6.2	S.	32	NW.	0	11	5	2	9	16	11	6	2	0	13	12	6	9	5	0	0	0	0	0	14	0	7	0
August	6.1	N.	28	NW.	0	14	10	1	9	12	9	1	5	1	6	14	11	8	5	0	0	0	0	0	14	0	2	0
September	5.9	SW.	36	E.	0	11	7	5	4	12	13	3	4	1	9	12	9	13	12	0	0	1	1	0	8	0	8	0
October	6.6	N.	38	W.	0	18	13	2	5	6	5	8	4	1	7	10	14	15	11	0	0	0	2	0	0	0	2	0
November	10.5	W.	44	W.	1	2	4	4	8	9	13	14	6	0	7	7	16	9	7	6	1	0	0	3	0	14	1	0
December	8.6	S.	36	W.	0	9	8	3	8	16	10	6	2	0	5	6	20	11	10	2	0	0	1	1	0	13	0	0
Year	8.1	SW.	48	W.	4	107	103	40	87	122	128	85	55	3	100	119	146	131	100	19	8	3	5	9	53	68	53	0

LYNCHBURG, VA.

[H=681 ft.; h_t=83 ft.; h_r=77 ft.; h_a=88 ft.]

January	4.6	SW.	34	NW.	0	6	6	3	5	2	22	3	15	0	9	11	11	10	8	3	2	0	0	2	0	18	0	0
February	4.9	NW.	24	NW.	0	2	14	2	4	2	7	10	15	0	7	11	10	9	7	1	1	0	0	0	0	15	0	0
March	6.1	NW.	35	NW.	0	9	5	3	3	6	10	9	16	1	13	9	9	12	8	3	2	0	0	0	0	10	1	0
April	4.6	NW.	27	NW.	0	9	11	4	2	7	10	3	14	0	6	12	12	14	12	0	0	0	3	0	0	3	1	0
May	4.0	N.	27	NW.	0	7	6	6	9	6	9	3	16	0	16	14	1	7	4	0	0	0	2	0	6	0	5	0
June	3.5	NW.	22	NW.	0	6	7	7	5	3	10	3	18	1	12	13	5	11	8	0	0	0	0	0	10	0	9	0
July	3.5	N.	34	NW.	0	6	6	4	6	4	13	4	18	1	14	17	0	7	5	0	0	0	2	0	12	0	7	0
August	3.5	N.	23	NW.	0	10	10	6	8	10	5	2	10	1	11	17	3	14	12	0	0	0	0	0	8	0	10	0
September	2.6	E.	26	NW.	0	6	10	7	15	3	4	5	3	7	12	16	2	8	4	0	0	0	4	0	1	0	1	0
October	3.1	NW.	18	SE.	0	11	8	6	10	3	5	4	13	2	7	12	12	12	8	0	0	0	3	0	0	0	2	0
November	4.7	NW.	26	NW.	0	11	4	2	4	4	12	2	19	2	9	8	13	12	10	1	0	0	0	0	0	15	0	0
December	3.5	NW.	26	NW.	0	11	7	1	6	3	19	8	14	2	9	7	15	11	11	0	0	0	0	0	0	15	0	0
Year	4.0	NW.	35	NW.	0	94	94	71	77	73	117	56	171	17	125	147	93	127	97	8	5	0	15	2	37	76	36	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

MACON, GA.

[ϕ=32° 50′ N.; λ=83° 38′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.866	30.233	29.539	42.5	.....	61.2	39.5	50.4	77	18	39	....	86	....	0.255	.....	2.08	1.85	4.2	.....	5.1
February	29.780	30.136	29.475	47.4	.....	63.6	44.3	54.0	79	26	43	....	84	....	.300	.....	2.38	1.11	4.2	.....	5.6
March	29.705	30.027	29.266	49.7	.....	69.4	46.4	57.9	83	31	42	....	75	....	.283	.....	2.78	2.20	4.6	.....	3.3
April	29.710	30.023	29.512	58.3	.....	73.6	54.8	64.2	86	43	51	....	78	....	.392	.....	2.91	.97	6.0	.....	5.5
May	29.669	29.899	29.524	67.6	.....	84.4	61.9	73.2	97	46	58	....	71	....	.498	.....	2.31	1.38	3.4	.....	3.5
June	29.603	29.775	29.445	76.4	.....	92.7	70.1	81.4	100	64	66	....	71	....	.644	.....	1.37	.61	4.0	.....	4.3
July	29.677	29.845	29.546	74.1	.....	87.6	69.9	78.8	97	60	68	....	82	....	.694	.....	4.20	1.07	6.4	.....	6.5
August	29.605	29.787	29.311	74.8	.....	88.8	71.1	80.0	94	66	70	....	86	....	.739	.....	4.15	.98	6.1	.....	5.8
September	29.678	29.823	29.539	73.8	.....	89.6	70.0	80.1	96	65	70	....	89	....	.739	.....	3.81	2.46	3.8	.....	4.7
October	29.654	29.931	29.382	63.6	.....	78.2	60.7	69.4	95	43	60	....	87	....	.535	.....	5.96	1.82	6.0	.....	5.4
November	29.737	30.100	29.381	46.4	.....	61.2	41.2	51.2	75	27	41	....	81	....	.287	.....	2.94	1.11	6.5	.....	5.3
December	29.778	30.104	29.447	43.7	.....	60.1	40.7	50.4	74	26	40	....	85	....	.266	.....	7.13	2.76	5.6	.....	6.2
Year	29.704	30.233	29.266	59.9	.....	75.9	55.9	65.9	100	18	54	....	81	....	.469	.....	41.97	2.76	5.1	.....	5.1

MADISON, WIS.

[ϕ=43° 05′ N.; λ=89° 23′ W.]

January	29.008	29.518	28.207	16.0	20.8	27.7	10.9	19.3	41	−11	11	16	80	78	0.085	0.101	0.60	0.24	6.6	6.6	7.8
February	29.030	29.580	28.342	22.5	27.6	31.6	19.4	25.5	50	0	18	20	81	73	.105	.113	3.40	1.34	5.7	5.9	6.4
March	28.934	29.448	28.327	28.8	37.8	44.8	26.8	35.8	75	7	21	24	73	68	.118	.134	.47	.27	4.8	5.5	6.1
April	29.000	29.507	28.409	39.3	46.8	51.8	36.1	44.0	70	21	32	34	76	62	.193	.211	2.44	.76	5.5	7.1	6.5
May	28.959	29.362	28.420	57.9	67.5	72.5	54.2	63.4	88	31	48	50	70	56	.365	.399	2.63	.67	4.9	5.2	4.9
June	28.924	29.157	28.683	66.3	74.9	80.8	62.1	71.4	94	55	60	61	80	64	.518	.550	3.64	1.36	5.5	6.0	5.3
July	28.960	29.196	28.460	67.0	76.6	82.5	62.7	72.6	98	52	57	56	71	51	.481	.465	1.69	.58	3.9	4.1	4.0
August	28.996	29.264	28.744	62.7	71.6	78.1	59.5	68.8	89	48	58	56	84	59	.487	.469	3.78	1.93	6.0	4.8	5.2
September	29.010	29.259	28.730	57.1	63.9	71.2	53.7	62.4	88	43	53	54	88	72	.418	.432	5.85	1.52	5.2	6.6	6.0
October	29.014	29.350	28.534	44.2	50.0	54.8	42.0	48.4	72	28	40	40	84	69	.260	.260	2.92	1.11	6.6	5.4	7.0
November	28.915	29.689	28.262	26.6	30.1	35.9	22.3	29.1	70	4	22	24	81	75	.133	.132	3.56	.84	6.8	6.9	7.8
December	29.005	29.500	28.336	26.2	29.1	35.1	23.1	29.1	55	− 8	23	24	86	80	.129	.136	1.75	.87	4.8	4.9	5.7
Year	28.980	29.689	28.207	42.9	49.7	55.6	39.4	47.5	98	−11	37	38	80	66	.274	.284	32.73	1.93	5.5	5.8	6.1

MANTEO, N. C.

[ϕ=35° 54′ N.; λ=75° 40′ W.]

January	.....	.....	.....	.....	.....	57.7	36.3	47.0	74	22	.....	.....	.....	.....	.....	.....	2.06	.84	.....	.....	.....
February	.....	.....	.....	.....	.....	55.9	36.4	46.2	72	24	.....	.....	.....	.....	.....	.....	.94	.48	.....	.....	.....
March	.....	.....	.....	.....	.....	57.8	39.4	48.6	75	21	.....	.....	.....	.....	.....	.....	5.43	3.58	.....	.....	.....
April	.....	.....	.....	.....	.....	64.3	46.4	55.4	86	34	.....	.....	.....	.....	.....	.....	2.42	.90	.....	.....	.....
May	.....	.....	.....	.....	.....	76.5	59.5	68.0	89	45	.....	.....	.....	.....	.....	.....	.76	.76	.....	.....	.....
June	.....	.....	.....	.....	.....	84.8	66.6	75.7	99	49	.....	.....	.....	.....	.....	.....	2.32	.58	.....	.....	.....
July	.....	.....	.....	.....	.....	87.7	70.3	79.0	97	59	.....	.....	.....	.....	.....	.....	1.92	.62	.....	.....	.....
August	.....	.....	.....	.....	.....	87.3	70.2	78.8	98	60	.....	.....	.....	.....	.....	.....	4.25	1.39	.....	.....	.....
September	.....	.....	.....	.....	.....	82.0	67.5	74.8	91	58	.....	.....	.....	.....	.....	.....	2.01	.80	.....	.....	.....
October	.....	.....	.....	.....	.....	71.0	57.9	64.4	92	42	.....	.....	.....	.....	.....	.....	8.42	3.55	.....	.....	.....
November	.....	.....	.....	.....	.....	62.0	43.5	52.8	71	26	.....	.....	.....	.....	.....	.....	3.08	2.22	.....	.....	.....
December	.....	.....	.....	.....	.....	58.5	39.2	48.8	70	24	.....	.....	.....	.....	.....	.....	2.74	.92	.....	.....	.....
Year	.....	.....	.....	.....	.....	70.5	52.8	61.6	99	21	.....	.....	.....	.....	.....	.....	36.35	3.58	.....	.....	.....

MARQUETTE, MICH.

[ϕ=46° 34′ N.; λ=87° 24′ W.]

January	29.244	29.728	28.570	14.3	18.0	24.5	9.8	17.2	40	− 6	10	14	83	85	0.073	0.086	3.23	1.60	7.5	6.5	6.4
February	29.285	29.776	28.788	20.4	24.5	29.2	16.6	22.9	52	5	13	20	83	82	.093	.108	2.40	1.03	8.3	7.1	6.7
March	29.157	29.677	28.656	26.1	30.0	35.3	22.3	28.8	57	− 2	18	24	72	77	.108	.129	1.78	.50	6.6	5.0	6.0
April	29.288	29.793	28.542	36.8	40.3	46.2	31.6	38.9	76	10	28	30	71	68	.162	.169	.66	.25	5.7	4.1	5.9
May	29.189	29.576	28.541	53.6	53.9	64.4	43.9	54.2	91	25	42	44	68	72	.289	.304	3.06	.81	5.0	5.0	5.5
June	29.154	29.437	28.753	59.1	60.4	69.3	50.8	60.0	90	40	52	53	79	77	.399	.412	5.60	2.15	5.3	5.3	5.8
July	29.137	29.468	28.561	65.5	66.7	75.7	56.9	66.3	104	46	54	55	68	68	.426	.449	6.76	2.17	3.7	5.2	5.9
August	29.217	29.522	28.861	61.3	63.1	71.3	55.5	63.4	86	45	55	56	80	78	.441	.454	1.59	1.06	5.9	4.5	6.3
September	29.263	29.573	28.907	53.9	54.5	63.2	47.9	55.6	81	34	47	48	79	79	.334	.342	2.39	.72	5.3	5.6	6.5
October	29.265	29.544	28.615	42.7	45.2	51.1	39.2	45.2	70	25	37	39	80	79	.230	.248	1.90	.95	7.5	6.7	7.2
November	29.107	29.760	28.281	27.0	30.1	35.0	22.9	29.0	60	4	22	24	81	76	.123	.132	4.68	1.06	8.7	7.7	7.6
December	29.232	29.749	28.561	26.7	29.2	33.9	23.4	28.6	47	5	23	24	83	79	.122	.131	3.17	1.06	7.8	6.6	7.3
Year	29.212	29.793	28.281	40.6	43.0	49.9	35.1	42.5	104	− 6	34	36	77	77	.233	.247	37.22	2.17	6.4	5.8	6.4

Annual meteorological summary for the year ending December 31, 1911—Continued.

MACON, GA.

[H=370 ft.; h_1=78 ft.; h_2=71 ft.; h_3=87 ft.]

Month.	Wind.														Number of days.												
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.		Minimum temperature 32° or below.	Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.		Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	5.8	NW.	22	NW.	0	13	2	0	1	7	1	1	5	1	13	9	9	6	4	0	0	0	7	0	0	6	0	0
February	6.3	NW.	23	NW.	0	7	2	3	1	3	4	4	3	1	10	5	13	8	6	0	0	0	7	0	0	4	1	0
March	7.1	NW.	32	W.	0	6	5	1	2	5	4	2	5	1	20	7	4	7	5	0	0	1	1	0	0	1	3	0
April	7.4	NE.	26	S.	0	5	7	6	1	4	3	1	3	0	12	4	14	12	8	0	0	0	1	0	0	0	2	0
May	5.5	NE.	32	SE.	0	8	5	5	4	4	0	0	5	0	18	7	6	7	6	0	0	0	0	0	9	0	5	0
June	5.4	S.	27	NE.	0	6	1	0	5	4	4	5	5	0	10	14	6	10	5	0	0	0	0	0	24	0	13	0
July	4.7	SW.	28	W.	0	4	6	3	3	3	6	3	3	0	5	13	13	14	10	0	0	0	0	0	9	0	15	0
August	5.2	S.	30	S.	0	4	4	3	4	7	3	1	4	1	8	12	11	17	15	0	0	0	0	0	15	0	16	0
September	3.8	N.	38	NW.	0	4	4	3	7	1	2	2	4	3	10	15	5	11	9	0	0	0	2	0	14	0	7	0
October	5.4	NE.	18	NE.	0	7	11	1	2	3	0	1	5	1	12	9	10	8	8	0	0	0	0	0	6	0	4	0
November	6.9	NW.	30	NW.	0	5	3	6	0	3	0	3	8	2	13	4	13	12	8	0	0	0	3	0	0	6	1	0
December	6.2	NE.	36	NE.	0	6	5	2	1	3	2	1	10	1	9	5	17	11	11	0	0	0	3	0	0	8	1	0
Year	5.8	N.	38	NW.	0	75	55	33	31	47	29	24	60	11	140	104	121	123	95	0	0	1	24	0	77	25	68	0

MADISON, WIS.

[H=974 ft.; h_1=70 ft.; h_2=62 ft.; h_3=78 ft.]

January	10.6	NW.	38	W.	0	7	7	1	1	16	9	7	14	0	4	5	22	7	4	11	6	0	7	15	0	29	0	0
February	11.7	NW.	32	NE.	0	5	4	3	8	5	7	10	14	0	7	7	14	8	7	7	5	0	5	14	0	23	0	5
March	13.0	NW.	39	NW.	0	11	4	1	6	12	11	5	12	0	11	3	17	5	5	6	1	0	0	3	0	25	0	2
April	9.7	SE.	37	NE.	0	7	6	6	18	8	2	6	7	0	9	5	16	14	12	5	3	1	3	1	0	9	5	2
May	9.9	SW.	42	N.	1	6	2	4	6	16	18	4	6	0	12	10	9	10	8	1	0	0	0	0	0	2	7	1
June	7.0	SW.	40	NE.	1	2	1	4	11	9	16	5	11	1	9	12	9	11	9	0	0	0	1	0	4	0	9	0
July	7.6	SW.	28	SW.	0	2	3	0	2	17	13	14	10	1	15	11	5	9	7	0	0	0	1	0	7	0	8	0
August	7.1	SW.	39	NW.	0	5	6	4	7	8	12	7	13	0	8	15	8	12	12	0	0	0	1	0	0	0	10	2
September	8.5	SW.	30	S.	0	6	10	1	10	6	13	7	6	1	9	7	14	13	11	0	0	0	1	0	0	0	7	2
October	8.7	NW.	35	NE.	0	7	8	3	10	1	12	9	12	0	6	7	18	12	9	1	1	0	2	0	0	6	3	0
November	11.5	NW.	34	S.	0	1	1	0	10	4	13	13	18	0	4	6	20	12	11	13	5	0	2	13	0	25	1	0
December	9.5	SW.	52	SW.	1	5	1	1	7	13	18	7	10	0	11	5	15	8	7	5	4	0	3	10	0	29	0	0
Year	9.6	SW.	52	SW.	3	64	53	28	96	115	144	94	133	3	105	93	167	121	102	49	25	1	26	56	11	148	50	14

MANTEO, N. C.

[H=— ft.; h_1=12 ft.; h_2=4 ft.; h_3=46 ft.]

January	.....	SW.	....	.....	....	5	4	1	2	2	13	3	1	0	14	6	11	8	6	1	1	0	3	0	0	13	0	0
February	.....	NE.	....	.....	....	2	12	2	2	1	4	2	3	0	11	6	11	5	5	0	0	0	0	0	0	7	0	0
March	.....	SW.	....	.....	....	4	6	2	2	1	8	2	6	0	19	7	5	9	9	1	1	0	0	0	0	3	2	0
April	.....	SW.	....	.....	....	3	6	5	3	4	7	0	2	0	14	9	7	8	7	0	0	0	0	0	0	1	0	0
May	.....	NE.	....	.....	....	0	11	1	6	5	8	0	0	0	17	7	7	1	1	0	0	0	0	0	0	0	0	0
June	.....	SW.	....	.....	....	1	5	7	1	2	12	2	0	0	20	5	5	8	8	0	0	0	0	0	6	0	3	0
July	.....	SW.	....	.....	....	0	3	4	4	6	14	0	0	0	17	10	4	8	8	0	0	0	0	0	9	0	2	0
August	.....	SW.	....	.....	....	1	4	3	6	5	11	1	0	0	16	10	5	9	9	0	0	0	0	0	11	0	1	0
September	.....	NE.	....	.....	....	3	10	2	3	4	6	1	1	0	18	7	5	7	7	0	0	0	0	0	2	0	0	0
October	.....	NE.	....	.....	....	5	13	4	2	2	3	0	2	0	21	2	8	8	8	0	0	0	0	0	1	0	0	0
November	.....	NW.	....	.....	....	5	1	4	1	3	3	5	8	0	15	8	7	5	5	0	0	0	0	0	0	4	0	0
December	.....	N.	....	.....	....	7	5	4	3	3	3	3	3	0	13	4	14	9	9	0	0	0	0	0	0	9	0	0
Year	.....	SW.	....	.....	....	36	80	39	35	38	92	19	26	0	195	81	89	85	82	2	2	0	3	0	29	36	9	0

MARQUETTE, MICH.

[H=734 ft.; h_1=77 ft.; h_2=70 ft.; h_3=116 ft.]

January	12.7	NW.	48	S.	4	1	0	1	11	6	15	14	14	0	8	10	13	13	6	19	12	0	1	24	0	31	0	0
February	12.7	W.	42	W.	2	2	1	7	9	4	9	14	10	0	5	10	13	15	10	17	14	0	0	20	0	27	0	3
March	15.0	NW.	46	S.	2	0	4	2	11	8	11	12	14	0	6	14	11	16	11	17	14	0	0	14	0	28	0	2
April	10.2	SE.	39	SW.	0	2	4	6	13	5	8	9	13	0	8	10	12	6	5	6	4	0	1	4	0	15	0	1
May	10.8	S.	50	S.	2	3	2	9	10	12	3	9	14	0	8	16	7	12	9	2	1	1	5	2	2	3	6	0
June	7.3	E.	42	S.	1	0	2	13	15	9	0	8	13	0	7	15	8	9	8	0	0	2	5	0	1	0	7	0
July	11.7	S.	54	NW.	2	1	0	9	10	17	1	16	8	0	6	16	9	16	14	0	0	0	0	0	4	0	9	1
August	8.7	S.	56	S.	1	3	2	10	11	16	1	11	8	0	5	16	10	10	7	0	0	0	1	0	0	0	3	0
September	10.5	S.	42	S.	2	4	3	5	9	16	1	15	7	0	6	11	13	12	10	0	0	0	0	0	0	0	2	2
October	8.6	W.	38	W.	0	3	1	5	10	6	9	21	7	0	3	12	16	13	7	6	2	0	0	0	0	7	0	0
November	12.7	W.	38	S.	0	1	1	4	7	11	13	12	11	0	0	16	14	18	15	17	14	0	1	12	0	25	1	1
December	10.4	SW.	40	NE.	1	0	2	8	5	11	16	11	9	0	3	9	19	14	12	18	13	0	0	11	0	30	0	1
Year	10.9	W.	56	S.	17	20	22	79	121	121	87	152	128	0	65	155	145	154	114	102	74	3	14	87	7	166	28	11

Annual meteorological summary for the year ending December 31, 1911—Continued.

MEMPHIS, TENN.

[ϕ=35° 9′ N.; λ=90° 3′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Maximum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.814	30.149	29.345	42.9	48.7	54.2	38.5	46.4	73	9	37	39	81	71	0.253	0.273	1.84	0.64	7.5	6.1	7.7
February	29.757	30.272	29.271	44.8	51.8	57.4	41.5	49.4	79	20	38	38	76	60	.253	.249	3.48	1.34	5.8	5.2	6.1
March	29.678	30.035	29.226	48.9	60.9	65.8	45.5	55.6	87	26	36	33	64	45	.234	.249	1.62	.93	5.4	4.0	4.8
April	29.636	30.013	29.166	54.9	64.3	69.1	52.2	60.6	84	40	48	48	78	59	.350	.358	8.84	3.04	7.5	7.2	6.7
May	29.650	29.950	29.317	67.5	77.8	82.8	64.2	73.5	97	46	55	53	66	44	.463	.427	.20	.20	2.3	3.2	2.8
June	29.568	29.741	29.328	75.8	84.9	90.0	71.8	80.9	97	66	64	63	68	52	.596	.591	1.73	.65	4.4	5.7	4.9
July	29.640	29.838	29.434	74.1	81.0	85.6	71.4	78.5	97	62	67	66	80	63	.675	.655	3.77	1.30	7.4	7.3	6.7
August	29.580	29.691	29.484	73.3	79.6	85.6	70.8	78.2	96	58	69	70	87	73	.715	.730	5.64	1.51	5.8	6.0	6.3
September	29.641	29.833	29.488	73.4	82.8	87.9	71.8	79.8	94	58	68	70	83	65	.690	.728	.16	.10	3.6	2.0	3.1
October	29.664	29.978	29.404	57.8	65.8	72.4	55.6	64.0	89	37	52	54	81	66	.422	.440	.36	.22	4.6	3.1	4.5
November	29.736	30.311	29.211	41.7	49.9	56.1	38.2	47.2	79	20	33	33	71	55	.217	.211	4.14	1.34	4.9	3.1	5.2
December	29.731	30.161	29.220	41.9	47.2	51.9	38.9	45.4	69	24	36	36	79	68	.223	.230	9.34	2.54	6.5	5.4	7.0
Year	29.675	30.311	29.166	58.1	66.2	71.6	55.0	63.3	97	9	50	51	76	60	.424	.428	41.12	3.04	5.5	4.9	5.5

MERIDIAN, MISS.

[ϕ=32° 21′ N.; λ=88° 40′ W.]

January	29.841	30.162	29.441	47.2	55.7	62.6	44.3	53.4	77	11	44	45	87	69	0.314	0.330	5.22	4.08	6.8	4.9	6.7
February	29.744	30.182	29.346	50.6	60.0	65.6	48.0	56.8	79	25	47	46	87	64	.358	.352	1.88	.57	8.2	6.0	6.8
March	29.694	29.998	29.326	50.3	64.2	71.2	47.4	59.3	87	32	43	42	78	48	.304	.295	1.09	.68	4.7	3.8	4.5
April	29.642	29.929	29.358	58.9	68.1	74.8	54.9	64.8	87	41	53	53	81	62	.419	.428	7.35	1.94	7.1	6.5	6.2
May	29.646	29.904	29.407	66.1	77.9	85.0	60.4	72.7	98	47	58	57	76	50	.505	.480	1.38	1.23	2.4	3.7	3.1
June	29.588	29.751	29.424	74.6	82.8	92.2	69.3	80.8	99	60	67	64	78	58	.606	.603	4.18	1.60	4.3	6.3	4.8
July	29.663	29.815	29.524	72.5	78.7	86.6	68.3	77.4	94	59	68	69	87	73	.695	.707	5.78	2.27	7.4	8.3	7.0
August	29.594	29.699	29.478	73.2	79.1	87.3	69.8	78.6	95	63	70	71	90	76	.741	.748	5.23	1.27	6.0	5.9	5.9
September	29.657	29.783	29.527	72.3	81.4	90.4	69.7	80.0	96	61	70	71	91	71	.723	.760	3.09	2.17	2.5	4.3	4.1
October	29.641	29.885	29.438	59.7	70.0	78.5	57.2	67.8	92	36	57	59	91	70	.491	.524	2.56	1.17	4.6	3.1	4.7
November	29.745	30.126	29.375	43.6	52.1	61.5	39.8	50.6	83	20	37	40	78	66	.248	.282	5.82	1.77	4.9	3.0	4.7
December	29.732	30.122	29.351	45.1	52.1	58.7	42.1	50.4	74	24	41	44	85	75	.283	.312	8.95	2.44	6.6	6.3	6.7
Year	29.682	30.182	29.326	59.5	68.4	76.2	55.9	66.0	99	11	55	55	84	65	.479	.485	52.53	4.08	5.5	5.2	5.4

MIAMI, FLA.

[ϕ=25° 48′ 27″; λ=80° 12′ W.]

January																					
February																					
March																					
April																					
May																					
June						83.7	73.7	81.2	92	68							2.83				6.6
July	30.055	30.166	29.933	82.2	80.1	83.8	74.6	81.7	92	71	73	72	73	76	0.802	0.782	4.08	1.23	5.5	7.5	6.3
August	29.884	30.126	29.864	81.7	81.7	89.0	75.3	82.2	93	67	73	73	76	75	.823	.805	6.27	2.12	5.8	5.5	6.2
September	29.994	30.100	29.878	82.1	81.1	88.3	75.8	82.0	92	70	73	72	74	75	.806	.799	4.42	1.90	4.5	3.6	5.2
October	29.939	30.054	29.806	79.6	79.9	86.4	74.8	80.6	90	70	73	72	80	79	.800	.799	3.53	2.10	4.0	4.6	5.2
November	29.998	30.336	29.864	74.2	75.3	81.3	70.2	75.8	87	45	70	68	86	79	.745	.712	5.94	1.64	5.8	4.4	6.4
December	30.066	30.315	29.827	68.9	71.8	76.8	66.6	71.7	82	46	62	64	80	76	.587	.614	1.90	.99	5.8	4.0	6.3
Year																					

MILES CITY, MONT.

[ϕ=46° 25′ N.; λ=105° 49′ W.]

January	27.440	28.081	26.940	6.6	17.6	23.6	0.6	12.1	43	−24	4	10	90	81	0.062	0.079	1.58	0.85	5.6	5.8	5.6
February	27.592	28.282	27.062	2.8	18.2	23.7	.2	12.0	38	−11	1	12	92	74	.044	.075	.14	.12	4.1	3.4	3.5
March	27.451	27.975	26.936	30.1	46.9	53.2	28.8	41.0	76	3	25	30	80	54	.134	.169	.14	.08	4.5	3.4	3.3
April	27.426	27.873	27.007	36.4	55.0	59.1	35.0	47.0	83	18	30	34	76	47	.168	.203	.36	.28	5.6	5.1	4.8
May	27.365	27.742	26.905	47.8	66.5	71.2	45.7	58.4	90	24	40	41	76	45	.200	.266	.74	.29	5.3	5.0	4.8
June	27.388	27.711	27.102	61.4	78.1	83.4	58.0	70.7	101	46	55	56	79	50	.437	.454	3.44	1.73	3.6	5.5	3.7
July	27.501	27.922	27.027	60.7	80.4	84.3	55.9	70.1	102	44	50	50	70	38	.363	.368	1.25	.94	2.9	3.1	2.3
August	27.491	27.803	27.199	57.3	74.3	80.1	54.3	67.2	98	38	51	54	82	53	.386	.430	1.71	.94	4.8	5.5	5.0
September	27.459	27.688	27.187	48.9	67.2	73.2	48.1	60.6	94	34	45	52	87	64	.309	.402	1.58	1.19	5.5	4.5	3.9
October	27.515	28.099	26.945	36.8	48.7	58.5	36.3	47.4	85	15	34	39	88	66	.202	.247	.94	.80	4.5	4.9	4.2
November	27.507	28.206	27.055	16.9	26.3	35.3	15.4	25.4	58	−20	12	20	82	75	.031	.120	.95	.30	5.5	5.0	5.3
December	27.463	27.757	26.882	14.8	22.4	30.8	12.5	21.6	54	−28	12	17	87	80	.085	.110	1.51	.55	5.1	4.3	4.5
Year	27.466	28.282	26.882	35.0	50.1	56.4	32.6	44.5	102	−28	30	35	82	61	.211	.244	14.34	1.73	4.8	4.6	4.2

Annual meteorological summary for the year ending December 31, 1911—Continued.

MEMPHIS, TENN.

[H=399 ft.; h_1=76 ft.; h_2=69 ft.; h_3=97 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. By self-register. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow. T. or more.	Snow. 0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Electricity. Auroras.
	Miles.		*Mi.*																									
January	9.9	S.	31	SW.	0	9	13	1	6	19	11	2	1	0	2	10	19	8	5	2	1	0	2	2	0	7	0	0
February	9.7	NE.	50	NW.	1	11	11	5	6	11	3	5	4	0	9	3	16	11	8	2	0	1	2	0	0	5	1	0
March	11.1	SW.	52	W.	1	8	10	3	6	13	10	6	6	0	13	8	10	6	6	0	0	0	0	0	0	3	0	0
April	9.1	NE.	30	SW.	0	8	14	7	5	13	8	1	3	0	6	11	13	13	13	0	0	0	0	0	0	0	5	0
May	6.9	SW.	27	SW.	0	5	11	7	7	15	13	1	1	2	20	7	4	1	1	0	0	0	0	0	0	7	0	0
June	7.2	SW.	36	SW.	0	5	10	11	6	11	12	2	2	1	10	12	8	9	5	0	0	0	0	0	16	0	9	0
July	6.2	S.	29	SW.	0	7	9	6	15	11	10	1	1	2	7	7	17	13	11	0	0	0	0	0	7	0	8	0
August	6.2	SE.	48	SE.	2	8	6	12	13	12	9	1	1	0	5	15	11	15	14	0	0	0	0	0	5	0	8	0
September	6.2	SW.	26	SW.	0	4	9	2	2	1	27	6	7	2	16	12	2	5	3	0	0	0	0	0	12	0	1	0
October	7.7	N.	28	SW.	0	15	11	9	3	5	12	3	4	0	16	4	11	6	2	0	0	0	0	0	0	0	0	0
November	10.5	SW.	60	NW.	2	8	6	7	4	12	12	1	10	0	14	1	15	9	8	2	0	0	0	1	0	10	0	0
December	8.2	SE.	36	SW.	0	8	6	9	17	7	5	7	3	0	8	4	19	15	14	0	0	0	3	0	0	7	0	0
Year	8.2	SW.	60	NW.	6	96	116	79	91	130	132	36	43	7	126	94	145	111	90	6	1	1	7	3	47	32	38	0

MERIDIAN, MISS.

[H=375 ft.; h_1=84 ft.; h_2=62 ft.; h_3=93 ft.]

January	6.1	SW.	27	NW.	0	10	9	6	3	10	17	4	1	2	5	13	13	7	3	1	1	0	4	2	0	5	1	0
February	6.5	SW.	24	NW.	0	8	7	8	3	10	11	2	6	1	6	6	16	8	5	0	0	0	1	0	0	5	1	0
March	6.5	SW.	22	W.	0	8	8	3	3	5	18	2	8	7	14	9	8	7	4	0	0	0	2	0	0	1	0	0
April	6.7	S.	27	N.	0	7	10	11	5	12	6	3	4	2	5	13	12	12	10	0	0	3	0	0	0	0	8	0
May	4.4	NE.	18	NW.	0	7	12	9	5	3	11	5	5	5	19	10	2	6	3	0	0	0	0	0	0	7	0	0
June	4.5	SW.	30	SW.	0	8	6	6	4	8	17	6	4	1	9	14	7	11	9	0	0	0	0	0	20	0	15	0
July	4.2	SW.	25	NE.	0	1	5	4	8	9	22	3	6	4	2	18	11	15	13	0	0	0	0	0	7	0	13	0
August	4.4	NE.	26	E.	0	7	11	9	7	6	11	3	3	5	6	16	9	10	10	0	0	0	0	0	7	0	9	0
September	3.3	SW.	18	NE.	0	2	5	5	4	10	20	2	0	12	15	12	3	8	4	0	0	0	0	0	21	0	9	0
October	4.1	NE.	31	SW.	0	12	16	4	0	9	7	2	5	7	15	9	7	8	7	0	0	0	1	0	7	0	3	0
November	5.9	N.	38	NW.	0	13	7	6	5	7	5	3	9	5	15	7	8	8	7	0	0	0	1	0	0	9	3	0
December	6.3	E.	33	SE.	0	10	12	14	4	7	4	3	6	2	9	5	17	14	14	0	0	0	0	0	0	8	1	0
Year	5.2	SW.	38	NW.	0	93	108	85	51	96	149	38	57	53	120	132	113	114	89	1	1	3	9	2	69	28	68	0

MIAMI, FLA.

[H=26 ft.; h_1=37 ft.; h_2=32 ft.; h_3=72 ft.]

January																												
February																												
March																												
April																												
May																												
June															5	12	13	12	10	0	0	0	0	0	7	0	11	0
July		SE.			0	8	4	13	17	6	3	7	4	0	6	9	16	15	9	0	0	0	0	0	10	0	14	0
August	7.7	SE.	28	SE.	0	1	4	9	20	6	9	5	7	1	6	9	16	15	10	0	0	0	0	0	5	0	9	0
September	8.6	NE.	26	NE.	0	5	20	15	14	1	0	3	2	0	7	16	7	17	13	0	0	0	0	0	4	0	10	0
October	8.1	NE.	26	NE.	0	5	13	14	11	3	7	3	6	0	12	11	8	13	10	0	0	0	0	0	0	0	6	0
November	11.3	NE.	44	NE.	1	4	16	7	11	2	5	4	11	0	4	12	14	18	15	0	0	0	0	0	0	0	3	0
December	12.2	NE.	31	NE.	0	2	20	5	19	5	1	0	10	0	4	16	11	11	8	0	0	0	0	0	0	0	0	0
Year																												

MILES CITY, MONT.

[H=2,371 ft.; h_1=26 ft.; h_2=32 ft.; h_3=48 ft.]

January	5.7	NE.	34	W.	0	2	15	0	12	3	13	11	6	0	8	14	9	9	5	8	8	0	0	18	0	31	0	0
February	4.6	NE.	20	W.	0	4	22	0	3	5	11	8	3	0	14	12	2	2	1	2	2	0	0	23	0	28	0	0
March	6.4	SW.	30	SE.	0	9	6	2	9	6	14	13	3	0	19	8	4	2	2	4	1	0	0	1	0	20	0	0
April	6.5	NE.	33	W.	0	5	16	3	15	0	3	16	2	0	12	14	4	6	1	4	3	0	0	1	0	12	1	0
May	7.2	NE.	30	W.	0	8	13	8	7	7	3	10	6	0	13	11	7	6	4	0	0	1	0	0	1	2	5	0
June	5.6	NE.	33	W.	0	8	21	11	2	2	3	7	6	0	15	13	2	13	11	0	0	0	0	0	7	0	14	0
July	5.9	NE.	36	NE.	0	0	16	2	12	2	7	11	12	0	24	7	0	8	5	0	0	0	0	0	9	0	4	0
August	5.2	NE.	34	NE.	0	11	23	4	8	1	5	3	7	0	12	10	9	10	7	0	0	0	0	0	8	0	4	0
September	5.7	NE.	30	SW.	0	5	23	5	3	2	7	8	7	0	17	9	4	7	4	3	2	0	0	0	1	0	2	0
October	6.1	NW.	33	NW.	0	7	9	10	5	6	9	6	10	0	13	10	8	7	4	3	2	0	0	1	0	10	1	0
November	5.5	W.	28	S.	0	7	7	1	11	9	7	11	7	0	11	10	9	9	7	9	8	0	0	12	0	27	0	0
December	5.0	SE.	36	NW.	0	1	8	0	17	13	12	5	6	0	14	9	8	6	5	10	6	0	0	13	0	31	0	0
Year	5.8	NE.	36	NW.	0	67	179	46	104	56	94	109	75	0	172	127	66	85	56	40	30	1	0	69	26	161	31	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

MILWAUKEE, WIS.

[ϕ=43° 2′ N.; λ=87° 54′ W.]

Month.	Pressure.			Temperature.								Moisture.											
		Extremes.		Mean.					Extremes.			Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.		8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°		°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.360	29.855	28.563	20.4	25.3	31.8	15.7	23.8	45	− 5		17	20	85	81	0.105	0.121	1.24	0.62	6.8	5.7	6.9
February	29.371	29.923	28.712	25.7	30.2	34.2	23.2	28.7	48	4		20	24	77	77	.114	.130	1.98	.96	5.2	5.4	5.9
March	29.280	29.803	28.629	31.3	36.3	43.5	28.1	35.8	74	9		23	26	70	68	.127	.146	.42	.31	5.0	5.4	5.1
April	29.354	29.849	28.690	39.7	42.4	48.7	36.1	42.4	68	20		32	32	74	69	.189	.190	3.62	1.04	4.3	6.0	5.3
May	29.285	29.658	28.784	56.9	62.5	69.3	50.5	59.9	94	31		46	48	68	62	.330	.358	1.83	.84	3.5	4.4	4.6
June	29.233	29.473	28.939	66.8	70.5	78.4	60.4	69.4	98	51		58	60	74	70	.482	.523	2.34	1.08	3.3	5.1	4.4
July	29.249	29.454	28.732	69.8	74.3	81.0	64.1	72.6	99	54		57	57	64	58	.475	.490	.62	.25	2.4	4.3	3.3
August	29.283	29.540	28.996	64.9	69.8	76.2	60.9	68.6	90	50		58	59	78	69	.483	.504	1.99	.85	4.6	4.1	4.4
September	29.307	29.576	28.976	60.2	63.9	70.4	56.4	63.4	86	45		55	57	84	79	.439	.471	4.31	1.15	5.0	5.2	5.5
October	29.316	29.636	28.829	47.1	51.2	55.8	44.8	50.3	70	28		42	44	82	77	.278	.301	3.89	2.27	7.0	7.2	6.7
November	29.213	29.962	28.464	30.1	33.0	38.8	25.5	32.2	73	9		25	28	79	82	.146	.161	2.49	.70	5.4	7.3	6.1
December	29.319	29.808	28.571	30.3	32.3	38.1	26.8	32.4	58	− 1		26	27	84	80	.145	.153	1.53	.58	5.7	5.0	5.7
Year	29.298	29.962	28.464	45.3	49.3	55.5	41.0	48.3	99	− 5		38	40	77	73	.276	.296	26.25	2.27	4.8	5.4	5.3

MINNEAPOLIS, MINN.

[ϕ=44° 59′ N.; λ=93° 18′ W.]

January					13.1	20.9	1.4	11.2	41	−24		....	1	....	80	.....	0.071	0.71	0.37	.....	.....	5.8
February					25.5	30.2	13.8	22.0	45	− 3		....	19	....	76	.....	.109	.89	.38	.....	.....	4.8
March					40.1	46.4	25.6	36.0	75	0		....	25	....	56	.....	.142	1.25	.88	.....	.....	4.5
April					49.3	54.1	37.4	45.8	79	15		....	36	....	63	.....	.224	2.55	.55	.....	.....	6.0
May					69.7	74.8	52.4	63.6	92	30		....	51	....	53	.....	.402	4.10	2.10	.....	.....	5.3
June					78.3	83.3	62.9	73.1	98	50		....	62	....	60	.....	.576	6.93	2.36	.....	.....	4.8
July					76.0	81.5	60.7	71.1	99	50		....	54	....	50	.....	.441	4.62	1.56	.....	.....	4.6
August					71.7	75.6	57.7	66.6	89	45		....	58	....	63	.....	.493	3.65	.66	.....	.....	6.0
September					62.8	68.1	50.4	59.2	88	41		....	53	....	71	.....	.407	5.83	2.08	.....	.....	6.4
October					48.0	52.6	39.1	45.8	72	23		....	38	....	69	.....	.241	6.42	2.87	.....	.....	6.0
November					26.1	30.7	15.3	23.0	44	0		....	20	....	76	.....	.113	1.25	.80	.....	.....	7.1
December					25.8	30.4	17.7	24.0	47	− 9		....	20	....	79	.....	.114	1.95	.62	.....	.....	7.5
Year					48.9	54.0	36.2	45.1	99	−24		....	36	....	66	.....	.278	40.15	2.87	.....	.....	5.7

MOBILE, ALA.

[ϕ=30° 41′ N.; λ=88° 02′ W.]

January	30.189	30.487	29.873	51.5	58.3	65.8	49.1	57.4	77	18		48	53	87	82	0.357	0.422	1.82	1.82	4.4	3.6	4.7
February	30.101	30.493	29.681	55.7	61.6	67.8	53.6	60.7	78	31		50	53	80	74	.400	.443	2.09	1.17	5.7	4.9	4.9
March	30.043	30.267	29.706	57.5	65.4	72.3	54.9	63.6	82	42		50	53	77	67	.387	.426	4.07	2.05	3.9	4.8	3.8
April	29.983	30.218	29.785	65.1	69.2	76.1	61.6	68.8	85	52		59	62	81	79	.513	.568	13.40	8.91	6.9	5.8	5.5
May	29.970	30.194	29.777	69.6	76.9	84.0	66.3	75.2	97	56		62	62	76	62	.567	.575	5.08	2.48	2.5	3.0	2.5
June	29.929	30.098	29.727	79.4	82.9	89.8	75.5	82.6	97	70		72	71	78	69	.779	.772	2.36	1.10	3.7	5.5	4.4
July	30.003	30.136	29.870	76.5	80.0	86.7	73.0	79.8	92	66		70	71	82	75	.750	.760	7.53	2.73	5.5	8.1	5.9
August	29.914	30.035	29.723	77.1	80.3	88.7	73.1	80.9	96	70		72	73	84	79	.783	.816	8.81	4.60	3.6	6.5	5.2
September	29.984	30.098	29.856	77.6	81.2	89.7	74.3	82.0	96	70		73	73	85	76	.799	.800	4.09	2.58	1.7	6.2	4.0
October	29.956	30.186	29.776	67.2	73.2	80.4	64.8	72.6	93	44		62	64	84	72	.581	.609	2.89	2.20	5.1	3.7	5.3
November	30.072	30.515	29.687	51.1	58.7	67.1	47.6	57.4	80	26		43	46	75	65	.320	.362	5.74	3.23	4.3	4.5	4.9
December	30.061	30.468	29.699	52.2	57.7	64.3	49.7	57.0	72	32		47	49	82	76	.352	.381	10.02	4.51	5.6	6.4	6.5
Year	30.017	30.515	29.681	65.0	70.4	77.7	62.0	69.8	97	18		59	61	81	73	.549	.578	67.90	8.91	4.5	5.2	4.8

MODENA, UTAH.

[ϕ=37° 48′ N.; λ=113° 54′ W.]

January	24.652	25.019	24.203	28.6	35.6	40.7	24.5	32.6	53	− 2		24	27	81	72	0.138	0.152	1.98	0.59	5.4	6.2	6.8
February	24.543	24.959	24.191	19.6	31.3	35.8	15.9	25.8	48	− 6		16	22	84	68	.096	.116	1.51	.66	3.9	5.0	5.5
March	24.653	24.903	24.379	32.0	49.4	53.4	29.1	41.2	72	22		27	26	80	45	.146	.142	1.07	.61	4.5	5.5	5.8
April	24.532	24.878	24.261	30.4	55.9	60.2	28.2	44.2	71	15		19	17	61	23	.105	.102	.06	.04	2.2	4.3	4.1
May	24.520	24.792	24.297	37.7	64.2	68.7	35.5	52.1	79	24		20	17	47	18	.103	.097	.06	.04	2.6	4.6	4.0
June	24.605	24.821	24.310	49.0	75.1	78.7	46.7	62.7	89	36		33	27	56	20	.196	.164	.73	.47	2.5	5.0	3.8
July	24.680	24.820	24.455	56.8	80.1	85.4	54.9	70.2	93	46		42	38	61	26	.284	.250	1.84	.85	4.7	7.5	5.9
August	24.642	24.751	24.466	54.8	82.4	86.0	53.1	69.6	91	44		35	32	50	18	.213	.184	.52	.44	1.2	3.6	3.0
September	24.627	24.754	24.428	47.5	72.0	76.0	44.1	60.0	89	34		29	28	49	24	.170	.170	1.76	1.19	3.2	3.7	4.0
October	24.644	24.916	24.295	33.2	56.8	62.3	29.9	46.1	74	18		22	22	62	26	.122	.121	.04	.03	1.9	2.7	3.0
November	24.697	24.965	24.153	22.8	40.0	48.4	18.1	33.2	60	− 1		13	15	65	34	.079	.088	.13	.09	1.3	3.0	3.0
December	24.589	24.980	24.247	12.7	27.2	36.6	7.9	22.2	54	−17		7	14	78	58	.060	.080	.76	.31	2.1	4.9	5.0
Year	24.615	25.019	24.153	35.4	55.8	61.0	32.3	46.7	93	−17		24	24	64	36	.143	.139	10.46	1.19	3.0	4.7	4.5

Annual meteorological summary for the year ending December 31, 1911—Continued.

MILWAUKEE, WIS.

[H=681 ft.; h_t=119 ft.; h_r=111 ft.; h_a=133 ft.]

Month.	Wind.														Number of days.															
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	10.9	SW.	36	SW.	0	5	3	2	4	8	17	10	13	0	7	6	18	11	7	10	8	0	1	13	0	29	0	0
February	12.1	NW.	47	E.	2	2	7	3	4	4	7	12	17	0	9	6	13	9	7	8	4	0	2	10	0	19	0	0
March	11.7	W.	35	SW.	0	8	3	7	3	13	7	11	10	0	13	7	11	7	1	7	4	0	0	3	0	24	0	0
April	10.2	E.	40	SE.	1	10	14	12	5	3	3	9	4	0	11	9	10	12	9	4	2	0	4	1	0	8	2	0
May	9.7	SW.	38	NE.	0	3	6	6	7	12	13	11	4	0	13	9	9	9	8	1	1	0	2	0	3	1	6	0
June	9.0	W.	40	SE.	1	3	6	13	6	7	4	16	5	0	15	8	7	11	8	0	0	0	2	0	5	0	5	0
July	10.1	W.	30	SE.	0	1	8	3	5	8	12	19	6	0	19	9	3	8	4	0	0	0	0	0	6	0	4	0
August	8.9	NE.	35	NE.	0	4	14	4	5	11	8	9	7	0	14	14	3	9	7	0	0	0	0	0	1	0	9	0
September	10.4	NE.	36	SE.	0	5	10	5	10	6	8	9	7	0	11	8	11	15	12	0	0	1	2	0	0	0	9	0
October	10.9	NW.	42	SE.	1	2	10	4	5	5	13	6	17	0	7	5	19	12	7	1	1	0	0	0	0	3	1	0
November	12.6	W.	45	SE.	2	0	0	2	6	5	18	13	16	0	8	11	11	11	8	10	4	1	0	7	0	22	1	0
December	11.2	SW.	49	SW.	3	1	4	6	4	6	22	13	5	1	9	8	14	10	7	6	4	0	5	5	0	25	0	0
Year	10.6	W.	49	SW.	10	44	85	67	64	88	132	138	111	1	136	100	129	124	85	47	28	2	18	39	15	131	37	0

MINNEAPOLIS, MINN.

[H=—— ft.; h_t=102 ft.; h_r=92 ft.; h_a=208 ft.]

January	12.6	NW.	44	N.	4	3	2	2	2	7	3	1	11	0	9	8	14	11	7	14	10	0	1	20	0	30	0	0
February	12.9	NW.	40	NW.	1	1	1	2	5	2	3	4	10	0	15	3	10	9	5	8	6	0	1	14	0	25	0	0
March	16.2	NW.	54	NW.	7	3	1	0	4	9	2	2	10	0	13	11	7	6	5	7	5	0	0	3	0	25	0	0
April	13.2	S.	50	SE.	4	4	3	5	3	9	0	2	4	0	10	7	13	12	11	7	6	0	0	0	0	10	1	0
May	13.7	S.	43	N.	3	4	1	1	3	11	0	7	4	0	10	11	10	9	8	0	0	1	0	0	3	2	7	0
June	11.8	SE.	50	SW.	4	0	2	4	7	6	1	4	6	0	12	9	9	10	9	0	0	1	0	0	8	0	11	0
July	12.3	W.	48	NW.	1	4	1	2	4	6	0	8	6	0	12	13	6	16	9	0	0	0	0	0	5	0	12	0
August	10.0	NW.	33	NW.	0	2	1	1	7	7	1	3	9	0	9	8	14	12	9	0	0	0	3	0	0	0	11	0
September	11.2	S.	43	E.	1	4	3	3	4	8	2	2	4	0	7	7	16	12	9	0	0	1	0	0	0	0	8	1
October	10.8	W.	48	E.	3	3	1	2	6	2	2	13	2	0	9	8	14	11	8	2	1	0	2	0	0	7	3	0
November	13.7	W.	43	NW.	2	0	1	3	5	3	3	8	7	0	7	4	19	11	7	12	7	0	1	16	0	27	0	0
December	11.0	W.	31	SE.	0	3	1	2	4	6	5	7	3	0	7	3	21	8	7	15	7	0	1	15	0	31	0	0
Year	12.4	NW.	54	NW.	30	31	18	27	54	76	22	61	76	0	120	92	153	127	94	65	42	3	9	68	16	157	53	1

MOBILE, ALA.

[H=57 ft.; h_t=98 ft.; h_r=91 ft.; h_a=106 ft.]

January	7.2	S.	30	N.	0	16	5	4	10	17	6	0	4	0	10	16	5	2	2	0	0	0	9	0	0	4	0	0
February	8.7	SE.	31	S.	0	9	3	6	12	11	4	1	9	1	12	10	6	7	5	0	0	0	1	0	0	2	2	0
March	8.2	S.	27	E.	0	13	7	1	7	14	5	6	9	0	18	8	5	5	4	0	0	0	2	0	0	0	2	0
April	8.9	SE.	35	SW.	0	10	4	12	16	12	2	0	4	0	6	17	7	9	9	0	0	0	1	0	0	0	4	0
May	6.7	N.	23	W.	0	17	6	3	4	12	10	4	6	0	23	6	2	5	5	0	0	0	2	0	7	0	8	0
June	7.3	SW.	23	SE.	0	7	0	0	7	17	17	9	2	1	11	15	4	9	8	0	0	0	0	0	13	0	14	0
July	6.0	SW.	24	SE.	0	10	4	2	2	15	20	5	4	0	7	12	12	14	12	0	0	0	0	0	7	0	15	0
August	6.2	SW.	35	SE.	0	12	4	5	4	8	12	7	10	0	9	18	4	16	14	0	0	0	0	0	11	0	14	0
September	5.4	NW.	24	NW.	0	9	6	5	4	10	7	2	17	0	17	6	7	7	6	0	0	0	0	0	14	0	9	0
October	6.7	N.	26	NW.	0	26	8	4	2	6	6	0	10	0	11	7	13	7	6	0	0	0	0	0	1	0	4	0
November	8.8	N.	44	NW.	1	22	6	4	5	6	4	3	8	2	14	7	9	8	5	0	0	0	2	0	0	3	1	0
December	7.3	N.	26	E.	0	16	6	11	9	4	3	1	8	4	9	3	19	13	12	0	0	0	4	0	0	1	0	0
Year	7.3	N.	44	NW.	1	167	59	57	82	132	96	38	91	8	147	125	93	102	88	0	0	0	21	0	53	10	73	0

MODENA, UTAH.

[H=5,479 ft.; h_t=10 ft.; h_r=2 ft.; h_a=43 ft.]

January	10.4	SW.	56	SW.	4	2	5	5	3	0	19	25	1	2	7	6	18	12	10	5	3	0	0	4	0	21	0	0
February	9.1	W.	48	SW.	3	4	0	13	7	1	14	13	4	0	7	13	8	10	5	12	10	0	0	9	0	28	0	0
March	8.8	W.	48	SW.	2	4	7	11	7	0	11	17	2	3	7	14	10	9	7	3	2	1	0	0	0	26	1	0
April	13.1	W.	50	SW.	5	3	3	3	6	0	18	22	4	1	14	13	3	3	1	0	0	1	0	0	0	20	0	0
May	14.8	SW.	52	SW.	10	3	1	5	3	0	25	21	2	2	15	13	3	2	1	0	0	0	0	0	0	7	0	0
June	12.6	SW.	58	SW.	5	1	1	3	6	3	18	24	3	1	18	9	3	5	3	0	0	0	2	0	0	0	9	0
July	9.4	W.	47	NW.	3	9	4	5	0	2	15	22	5	0	7	14	10	10	8	0	0	0	0	0	0	6	16	0
August	13.1	SW.	40	NW.	1	4	0	2	1	2	30	23	0	0	19	12	0	2	2	0	0	0	1	0	0	5	0	0
September	12.2	SW.	48	SW.	6	3	3	3	2	2	25	20	1	1	14	8	8	6	4	0	0	0	0	0	0	3	0	0
October	9.2	W.	50	SW.	1	5	3	13	1	3	10	25	2	0	18	10	3	2	0	0	0	0	0	0	0	20	0	0
November	10.0	W.	60	SW.	2	5	6	13	0	0	5	26	2	3	20	5	5	2	2	2	2	0	0	1	0	28	1	0
December	9.0	W.	44	N.	2	5	7	9	8	1	7	21	3	1	13	11	7	6	5	8	6	0	0	10	0	31	0	0
Year	10.9	W.	60	SW.	44	48	40	85	44	14	197	259	29	14	159	128	78	69	48	30	23	5	0	24	11	181	35	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

MONTGOMERY, ALA.

[ϕ=32° 23′ N.; λ=86° 18′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.				Extremes.			Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.012	30.319	29.659	46.0	56.8	62.7	42.9	52.8	78	14	41	44	84	64	0.284	0.311	4.37	3.83	5.9	5.0	6.0
February	29.919	30.296	29.493	50.2	59.3	65.3	47.9	56.6	78	26	46	46	84	63	.340	.336	3.07	1.62	6.5	4.2	5.8
March	29.857	30.142	29.454	52.7	65.5	71.6	49.4	60.5	85	34	43	40	72	43	.311	.280	1.91	1.07	5.5	2.6	3.3
April	29.830	30.116	29.609	59.8	68.0	74.4	56.3	65.4	85	47	53	52	78	61	.420	.415	7.34	2.67	6.7	5.0	5.5
May	29.802	30.055	29.610	67.4	78.6	85.3	63.8	74.6	98	50	58	58	73	53	.507	.506	4.59	1.95	2.8	3.6	2.8
June	29.748	29.916	29.525	75.3	83.2	92.2	71.4	81.8	100	66	68	65	79	58	.692	.624	3.24	1.55	6.1	6.5	5.4
July	29.822	29.977	29.677	73.4	80.0	88.1	70.0	79.0	95	62	69	68	86	68	.712	.683	4.19	1.64	7.5	7.3	6.6
August	29.757	29.911	29.558	73.9	79.9	88.8	71.1	80.0	96	68	70	70	87	73	.735	.728	4.09	1.02	5.3	6.4	5.9
September	29.816	29.954	29.696	74.1	82.0	91.7	71.5	81.6	96	66	71	69	90	66	.754	.710	1.36	.61	4.3	4.9	4.8
October	29.798	30.064	29.562	63.8	73.0	80.1	61.5	70.8	95	42	60	59	87	64	.536	.518	2.91	1.58	5.0	4.3	5.1
November	29.911	30.275	29.505	46.3	54.7	62.6	42.2	52.4	78	25	39	41	76	63	.268	.298	4.20	1.66	5.3	4.6	5.2
December	29.916	30.276	29.572	46.0	55.4	61.6	43.5	52.6	77	24	41	44	83	69	.282	.319	6.22	1.72	5.8	6.9	6.7
Year	29.849	30.319	29.454	60.7	69.7	77.0	57.6	67.3	100	14	55	55	82	62	.487	.477	47.49	3.83	5.6	5.1	5.3

MOORHEAD, MINN.

[ϕ=46° 52′ N.; λ=96° 44′ W.]

January	29.082	29.570	28.447	− 4.8	2.1	10.2	−11.5	− 0.6	32	−27	− 7	0	89	90	0.033	0.048	1.07	0.36	5.3	4.9	6.0
February	29.159	29.768	28.505	3.0	13.1	21.0	− 2.5	9.2	39	−18	2	12	93	94	.052	.079	.63	.32	3.9	3.8	3.9
March	28.967	29.545	28.442	22.0	35.1	44.3	18.2	31.2	65	− 2	20	27	91	74	.112	.148	.23	.16	3.1	4.6	3.5
April	29.002	29.517	28.514	34.0	48.1	54.3	31.3	42.8	84	10	29	34	84	64	.171	.206	1.95	.96	4.9	5.1	4.6
May	28.890	29.362	28.229	48.8	66.6	72.0	43.9	58.0	93	21	44	47	85	53	.313	.347	3.92	1.02	4.8	4.8	4.2
June	28.880	29.106	28.626	62.2	76.8	82.0	56.4	69.2	98	45	57	62	84	60	.476	.560	2.62	.83	4.5	3.5	4.4
July	28.937	29.270	28.587	59.5	75.1	81.2	54.4	67.8	100	43	54	55	83	52	.427	.451	2.38	1.18	2.9	3.0	3.5
August	28.985	29.347	28.678	55.7	69.7	76.2	52.5	64.4	90	40	54	56	93	64	.421	.468	2.96	1.09	4.7	3.0	4.8
September	28.997	29.268	28.608	47.9	59.4	67.4	44.4	55.9	87	34	46	50	92	72	.314	.308	2.15	.98	5.3	3.8	5.2
October	29.046	29.472	28.322	36.3	44.7	52.9	34.1	43.5	72	14	35	38	94	76	.215	.245	1.02	.39	5.5	4.9	5.5
November	29.006	29.759	28.561	13.7	20.1	26.7	7.6	17.2	48	−12	12	17	92	87	.083	.102	1.03	.42	5.3	4.6	5.5
December	29.038	29.453	28.361	13.2	17.3	22.6	8.7	15.6	43	−15	12	15	92	89	.079	.096	.65	.29	5.9	5.8	6.8
Year	28.999	29.768	28.229	32.6	44.0	50.9	28.1	39.5	100	−27	30	34	89	73	.225	.260	20.61	1.18	4.7	4.3	4.8

MOUNT TAMALPAIS, CAL.

[ϕ=37° 56′ N.; λ=122° 35′ W.]

January	27.556	27.912	27.193	43.4	44.0	48.4	39.5	44.0	66	32	36	37	81	82	0.220	0.225	12.36	2.46	5.1	4.9	7.3
February	27.548	27.943	27.102	37.5	41.5	45.2	35.5	40.4	58	28	32	35	82	79	.183	.206	3.87	1.19	2.2	3.7	5.3
March	27.558	27.754	27.105	46.4	50.5	54.4	43.4	48.9	77	32	36	42	73	76	.218	.270	3.07	.85	1.8	4.2	5.8
April	27.555	27.757	27.247	45.4	50.9	55.1	41.6	48.4	72	30	31	38	64	65	.178	.230	1.51	1.15	2.6	2.5	3.8
May	27.525	27.666	27.316	46.5	52.4	57.5	43.5	50.5	79	35	35	41	70	70	.205	.257	.77	.32	3.0	1.3	4.1
June	27.506	27.632	27.326	57.3	63.8	68.6	52.7	60.6	83	39	36	43	51	49	.222	.289	.01	.01	1.3	2.0	2.4
July	27.541	27.654	27.397	68.9	75.7	79.9	64.6	72.2	94	52	38	44	34	33	.236	.294	.02	.02	.8	.5	.8
August	27.531	27.654	27.410	61.8	69.3	74.1	58.1	66.1	89	44	39	44	47	42	.241	.294	.00	.00	.1	.4	.7
September	27.536	27.633	27.293	55.8	61.3	67.8	52.0	59.9	82	43	38	42	59	55	.239	.270	T.	T.	1.3	.9	2.2
October	27.553	27.639	27.349	54.3	58.8	64.4	50.5	57.4	82	41	38	41	61	57	.236	.262	.29	.20	1.6	2.3	3.3
November	27.667	27.901	27.366	50.3	53.2	58.1	47.6	52.8	69	29	30	35	51	55	.173	.209	1.49	1.07	1.2	2.1	2.9
December	27.624	27.804	27.311	42.6	45.3	49.2	39.8	44.5	61	30	30	32	66	66	.170	.186	3.22	1.04	1.8	3.5	4.8
Year	27.558	27.943	27.102	50.8	55.6	60.2	47.4	53.8	94	28	35	40	62	61	.210	.249	26.61	2.46	1.9	2.4	3.6

MOUNT WEATHER, VA.

[ϕ=39° 4′ N.; λ=77° 53′ W.]

January	28.273	28.769	27.652	32.2	35.1	43.1	26.1	34.6	66	12	25	29	75	79	0.150	0.173	3.61	0.79	5.6	5.2	5.9
February	28.225	28.652	27.826	28.5	32.4	38.8	25.1	32.0	61	13	23	24	81	74	.126	.135	1.51	.86	5.1	2.1	6.0
March	28.151	28.642	27.438	31.5	36.1	44.0	26.0	35.0	70	4	22	25	68	64	.122	.137	2.57	.78	5.1	3.3	5.4
April	28.268	28.662	27.693	41.8	47.4	54.3	37.0	45.6	72	17	34	35	75	66	.204	.220	2.80	.78	5.8	5.3	6.5
May	28.246	28.527	27.776	62.7	67.4	76.3	57.0	66.6	88	33	48	46	61	48	.367	.341	1.64	.97	2.5	4.2	3.3
June	28.170	28.393	27.908	64.4	68.4	75.1	60.1	67.6	91	52	57	57	78	70	.470	.472	4.66	1.02	4.1	4.6	5.5
July	28.253	28.430	27.951	69.8	74.3	81.4	65.4	73.4	91	57	59	58	69	59	.509	.503	1.25	.56	3.1	4.5	5.0
August	28.241	28.395	28.055	67.0	70.2	78.1	63.7	70.9	91	52	62	60	85	74	.561	.536	11.48	4.19	4.0	5.5	6.0
September	28.271	28.574	27.971	61.9	66.5	72.5	58.3	65.4	81	43	57	57	86	74	.484	.493	1.43	.95	4.6	3.4	5.7
October	28.250	28.622	27.915	49.1	53.0	59.5	45.5	52.5	75	35	45	46	86	78	.314	.319	4.37	2.13	4.4	4.5	5.9
November	28.191	28.709	27.571	34.8	37.8	44.9	30.2	37.6	61	13	28	26	75	64	.164	.155	2.43	.97	5.2	4.1	6.0
December	28.286	28.615	27.708	35.5	37.9	43.0	31.7	37.4	60	19	28	29	74	72	.162	.169	2.56	.61	5.8	4.7	6.8
Year	28.235	28.769	27.438	48.3	52.2	59.2	43.8	51.6	91	4	41	41	76	68	.303	.304	40.31	4.19	4.6	4.3	5.7

Annual meteorological summary for the year ending December 31, 1911—Continued.

MONTGOMERY, ALA.

[H=223 ft.; h_a=100 ft.; h_r=71 ft.; h_a=112 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow. T. or more.	Snow. 0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Electricity. Auroras.
	Miles.		*Mi.*																									
January	6.3	E.	23	NW.	0	6	5	12	7	9	11	6	5	1	9	8	14	8	6	0	0	0	2	1	0	5	0	0
February	7.1	S.	25	NW.	0	9	7	8	5	10	7	3	7	0	10	6	12	7	6	0	0	0	2	0	0	3	1	0
March	7.6	NW.	30	NW.	0	8	3	6	8	6	10	8	13	0	20	7	4	5	4	0	0	0	1	0	0	0	1	0
April	8.0	E.	37	SW.	0	9	4	18	7	9	7	5	1	0	8	14	8	9	7	0	0	0	1	0	0	0	5	0
May	5.7	NE.	24	SW.	0	11	17	7	10	4	4	6	3	0	17	13	1	6	6	0	0	0	0	0	8	0	4	0
June	5.5	SW.	25	S.	0	8	8	4	5	9	13	9	4	0	6	16	8	12	9	0	0	0	0	0	20	0	14	0
July	5.5	SW.	23	NE.	0	5	5	5	5	11	17	11	3	0	3	17	11	13	10	0	0	0	0	0	13	0	11	0
August	5.1	N.	27	SE.	0	12	5	12	9	3	5	5	11	0	4	20	7	14	11	0	0	0	0	0	12	0	7	0
September	4.4	E.	27	N.	0	4	7	14	9	7	7	8	4	0	7	21	2	9	6	0	0	0	0	0	23	0	11	0
October	5.6	NE.	23	SW.	0	9	14	11	5	5	9	1	8	0	11	13	7	7	7	0	0	0	0	0	8	0	2	0
November	7.5	N.	37	NW.	0	13	7	8	7	4	5	7	9	0	10	10	10	9	7	0	0	0	1	0	0	6	1	0
December	7.6	E.	27	N.	0	7	10	17	11	1	3	7	6	0	7	6	18	12	10	0	0	0	1	0	0	5	0	0
Year	6.3	E.	37	SW.	0	101	92	122	88	78	98	76	74	1	112	151	102	111	89	0	0	0	8	1	84	19	57	0

MOORHEAD, MINN.

[H=940 ft.; h_1=8 ft.; h_r=3 ft.; h_a=57 ft.]

January	9.9	NW.	36	NW.	0	11	5	1	9	12	4	1	19	0	8	7	16	10	7	11	10	0	0	30	0	31	0	0
February	8.4	NW.	30	NW.	0	7	4	1	8	2	11	4	19	0	15	6	7	6	5	7	6	0	0	24	0	28	0	0
March	11.9	NW.	39	NW.	0	13	2	1	7	10	8	4	17	0	19	6	6	5	1	7	4	0	0	8	0	29	0	1
April	11.5	SE.	36	NW.	0	9	6	4	18	9	2	4	8	0	16	3	11	10	9	7	6	0	0	3	0	16	1	0
May	9.9	NW.	39	NW.	0	9	8	1	11	10	6	2	15	0	15	9	7	11	8	1	1	0	0	0	2	4	7	0
June	7.9	SE.	30	NW.	0	12	3	3	15	11	5	2	9	0	11	14	5	12	10	0	0	0	0	0	6	0	12	0
July	8.0	NW.	29	S.	0	9	2	0	11	6	8	10	16	0	18	9	4	13	10	0	0	0	0	0	3	0	5	0
August	6.6	SE.	29	N.	0	8	11	5	10	10	7	1	10	0	12	11	8	12	8	0	0	0	0	0	1	0	5	0
September	7.1	SE.	26	NW.	0	11	7	5	13	8	8	4	4	0	11	7	12	10	6	0	0	0	0	0	0	0	5	0
October	7.4	SE.	34	NW.	0	10	1	0	15	6	7	10	13	0	11	6	14	7	6	0	0	0	0	1	0	12	1	0
November	9.9	NW.	34	NW.	0	12	3	0	9	9	6	8	13	0	10	8	12	10	6	10	8	0	0	16	0	29	0	0
December	8.1	S.	32	N.	0	12	6	3	5	14	9	3	9	1	8	4	19	13	5	18	13	0	0	24	0	31	0	0
Year	8.9	NW.	39	NW.	0	123	58	24	131	107	81	53	152	1	154	90	121	119	81	61	48	0	0	106	12	180	36	1

MOUNT TAMALPAIS, CAL.

[H=2,375 ft.; h_1=11 ft.; h_r=5 ft.; h_a=18 ft.]

January	22.3	SW.	59	SW.	15	7	7	4	11	4	21	4	4	0	7	4	20	17	17	1	1	2	21	0	0	0	0	0
February	17.0	NW.	66	NW.	12	10	3	4	9	4	3	3	19	1	12	4	12	11	11	4	3	0	12	1	0	8	0	0
March	16.2	NW.	66	SW.	12	10	9	4	11	3	9	4	12	0	9	11	11	10	10	1	1	3	14	0	0	1	1	0
April	17.3	NW.	86	NW.	13	6	6	0	0	2	6	12	26	2	17	4	9	8	6	0	0	0	10	0	0	2	0	0
May	18.8	NW.	78	NW.	14	10	1	0	0	1	13	6	31	0	17	4	10	8	4	0	0	0	13	0	0	0	0	0
June	15.3	NW.	78	NW.	9	8	0	0	1	0	4	7	39	1	21	8	1	1	0	0	0	0	4	0	0	0	0	0
July	13.2	NW.	56	NW.	10	2	3	1	0	0	11	5	40	0	28	3	0	1	0	0	0	0	0	0	2	0	1	0
August	13.1	NW.	56	NW.	10	6	0	0	0	1	8	8	39	0	29	2	0	0	0	0	0	0	2	0	0	0	0	0
September	14.6	NW.	76	NW.	6	6	2	2	1	1	12	10	26	0	22	5	3	0	0	0	0	0	8	0	0	0	0	0
October	13.7	NW.	62	NW.	7	10	10	2	4	0	9	8	19	0	17	9	5	3	3	0	0	0	4	0	0	0	0	0
November	20.5	NE.	78	NW.	10	18	13	6	1	2	2	3	15	0	21	4	5	5	5	0	0	0	4	0	0	2	0	0
December	22.6	N.	66	NW.	18	18	7	3	4	1	4	5	20	0	13	8	10	12	11	4	3	0	11	0	0	6	0	0
Year	17.0	NW.	86	NW.	136	111	61	26	42	19	102	75	290	4	213	66	86	76	67	10	8	5	103	1	2	19	2	0

MOUNT WEATHER, VA.

[H=1,725 ft.; h_1=10 ft.; h_r=3 ft.; h_a=75 ft.]

January	19.1	W.	74	W.	10	2	0	3	8	10	6	15	18	0	10	7	14	15	13	6	5	0	9	8	0	21	0	0
February	20.5	W.	68	NW.	13	0	1	9	11	4	1	17	13	0	8	9	11	11	9	7	4	0	15	13	0	24	0	0
March	22.2	W.	80	W.	12	4	0	3	10	7	3	19	16	0	10	9	12	14	10	9	5	1	8	3	0	24	2	0
April	16.8	NW.	49	NW.	10	1	0	9	11	13	2	10	14	0	7	9	14	11	9	6	3	0	11	1	0	10	0	0
May	12.2	W.	56	N.	1	4	1	7	10	6	0	19	15	0	19	10	2	7	4	0	0	0	2	0	0	0	5	0
June	12.8	W.	46	W.	1	6	0	9	6	6	3	17	13	0	9	13	8	15	12	0	0	0	8	0	1	0	13	0
July	11.5	W.	54	W.	1	1	1	7	8	8	4	20	13	0	11	17	3	7	6	0	0	1	2	0	1	0	10	0
August	12.2	SE.	38	NW.	0	2	3	11	22	2	1	9	12	0	8	11	12	14	11	0	0	0	14	0	1	0	11	0
September	13.1	NW.	39	W.	0	4	3	5	14	8	7	6	13	0	7	15	8	6	4	0	0	0	12	0	0	0	5	0
October	15.1	NW.	52	NW.	7	3	2	4	14	10	2	8	19	0	8	10	13	15	11	0	0	0	14	0	0	0	0	0
November	21.6	NW.	66	NW.	16	0	0	2	11	10	3	8	26	0	8	9	13	10	9	6	0	0	10	2	0	18	0	0
December	17.5	NW.	69	NW.	11	1	0	4	11	11	6	8	21	0	6	7	18	12	9	4	3	0	12	5	0	20	0	0
Year	16.2	NW.	80	W.	82	28	11	73	136	95	38	156	193	0	111	126	128	137	107	38	20	2	117	32	3	117	46	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

NANTUCKET, MASS.

[ϕ=41° 17′ N.; λ=70° 06′ W.]

Month.	Pressure.			Temperature.							Moisture.								Cloudiness.		
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.				
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.109	30.662	29.169	32.6	34.2	39.8	28.0	33.9	53	12	29	30	85	83	0.170	0.177	3.77	1.18	6.5	5.4	6.8
February	30.053	30.535	29.580	29.4	30.5	35.5	25.1	30.3	48	15	25	26	83	82	.139	.142	3.88	.98	6.7	5.2	6.3
March	29.966	30.605	29.157	33.7	34.4	40.6	28.9	34.8	50	18	28	29	79	81	.161	.169	3.35	.98	5.1	4.4	4.4
April	30.115	30.713	29.448	41.8	39.7	47.9	35.7	41.8	72	27	36	36	79	86	.215	.215	5.17	2.51	3.4	3.5	4.5
May	30.042	30.400	29.560	54.1	51.2	61.8	46.9	54.4	74	36	50	48	86	90	.367	.345	.82	.42	3.6	2.9	4.8
June	29.906	30.232	29.592	62.8	59.3	69.0	55.7	62.4	78	47	58	56	87	89	.493	.452	2.56	.81	5.2	4.4	5.6
July	29.993	30.264	29.508	71.8	67.6	77.6	64.3	71.0	88	59	66	65	84	90	.651	.611	3.20	2.12	3.5	4.7	4.7
August	30.018	30.273	29.571	67.0	64.6	73.8	61.0	67.4	85	54	64	63	89	94	.592	.575	8.03	4.57	4.3	5.1	5.7
September	30.046	30.398	29.561	61.4	60.0	66.4	56.0	61.2	75	46	58	57	89	90	.493	.476	3.34	.78	5.4	3.1	6.5
October	30.075	30.518	29.566	53.3	52.4	58.8	48.4	53.6	70	37	49	48	86	87	.357	.349	2.57	.76	5.4	4.9	6.3
November	29.982	30.489	29.336	43.3	43.4	50.2	37.5	43.8	63	28	38	38	81	80	.250	.239	6.30	1.55	5.7	5.1	6.6
December	30.103	30.475	29.318	38.1	38.9	45.4	34.7	40.0	60	24	34	34	84	84	.205	.209	3.76	1.23	6.5	4.9	6.5
Year	30.034	30.713	29.157	49.1	48.0	55.6	43.5	49.6	88	12	45	44	84	86	.341	.330	46.75	4.57	5.1	4.5	5.7

NARRAGANSETT PIER, R. I.

[ϕ=41° 19′ N.; λ=71° 17′ W.]

January						39.5	23.5	31.5	52	6							4.09	1.06			
February						34.5	20.1	27.3	50	6							2.32	.56			
March						40.9	25.2	33.0	49	10							3.87	1.35			
April						50.1	33.1	41.6	72	20							4.29	1.98			
May						64.8	47.5	56.2	79	28							1.68	.74			
June						70.9	55.5	63.2	83	46							2.41	1.29			
July						78.8	63.0	70.9	91	53							3.63	1.69			
August						75.5	60.3	67.9	87	52							7.43	2.58			
September						69.4	54.9	62.2	82	36							3.26	.84			
October						59.4	43.8	51.6	72	27							3.44	1.05			
November						50.3	32.7	41.5	63	20							7.92	1.36			
December						45.8	30.1	38.0	58	13							3.69	1.32			
Year						56.7	40.8	48.7	91	6							48.03	2.58			

NASHVILLE, TENN.

[ϕ=36° 10′ N.; λ=86° 47′ W.]

January	29.657	30.014	29.250	40.2	46.5	53.0	35.4	44.2	78	1	35	37	81	71	0.230	0.246	2.00	0.80	7.2	5.8	7.1
February	29.589	29.968	29.049	40.8	48.9	56.2	37.1	46.6	74	17	37	38	86	69	.237	.253	4.68	1.60	6.0	5.0	5.9
March	29.509	29.890	28.967	44.9	55.6	61.9	39.8	50.8	84	20	38	38	76	55	.242	.256	2.22	.74	4.7	4.1	4.8
April	29.499	29.844	29.056	53.4	62.1	67.1	49.4	58.2	85	31	47	49	78	65	.343	.364	5.11	1.29	6.4	5.0	6.4
May	29.499	29.784	29.120	64.3	77.0	83.4	59.4	71.4	96	40	56	54	75	47	.476	.434	1.67	1.55	2.6	2.7	3.1
June	29.417	29.598	29.177	73.1	82.7	89.5	67.9	78.7	99	60	63	61	72	50	.587	.547	4.58	4.11	3.1	4.2	4.0
July	29.490	29.646	29.252	71.2	80.5	85.8	67.5	76.6	97	57	65	64	82	60	.631	.614	3.34	1.50	4.5	4.7	5.5
August	29.446	29.596	29.338	70.6	78.7	84.9	68.0	76.4	95	60	67	69	90	74	.676	.714	5.17	1.26	5.3	5.5	6.5
September	29.491	29.670	29.334	69.3	79.9	87.8	67.4	77.6	93	59	66	68	90	67	.648	.678	1.89	.96	4.1	3.2	4.7
October	29.498	29.823	29.241	56.4	65.9	72.7	53.4	63.0	90	35	52	53	88	65	.412	.427	2.21	1.50	5.4	3.7	5.1
November	29.567	30.124	29.049	39.7	47.4	54.4	35.4	44.9	76	18	33	35	77	65	.205	.230	4.38	1.88	6.0	5.0	5.8
December	29.583	29.987	29.090	41.1	47.5	53.6	37.3	45.4	67	20	36	39	81	74	.225	.260	11.01	4.10	6.3	6.4	6.7
Year	29.520	30.124	28.967	55.4	64.4	70.9	51.5	61.2	99	1	50	50	81	64	.409	.419	48.26	4.11	5.1	4.6	5.5

NEW HAVEN, CONN.

[ϕ=41° 18′ N.; λ=72° 56′ W.]

January	30.017	30.560	29.116	29.3	33.2	39.2	25.0	32.1	51	10	22	24	72	68	0.131	0.141	3.20	1.15	6.2	4.7	6.0
February	29.984	30.487	29.550	25.3	30.0	35.3	21.1	28.2	50	7	18	18	70	61	.104	.105	3.45	1.52	5.9	4.6	5.7
March	29.876	30.552	29.036	31.4	36.6	43.8	27.3	35.6	65	14	21	24	64	60	.118	.137	4.48	1.44	4.7	3.6	4.3
April	30.018	30.595	29.424	42.8	46.2	55.0	36.8	45.9	82	24	30	32	61	59	.174	.194	4.31	1.89	4.2	3.8	3.9
May	29.927	30.278	29.443	59.5	60.4	71.2	51.7	61.4	85	33	50	49	72	69	.378	.370	.74	.30	5.0	4.2	4.3
June	29.812	30.105	29.491	65.2	67.5	75.5	57.8	66.6	86	51	55	55	71	67	.438	.449	2.73	.69	4.8	5.9	5.2
July	29.883	30.159	29.484	73.4	75.1	83.7	66.0	74.8	98	55	62	64	70	70	.574	.605	2.17	.90	4.5	4.2	4.3
August	29.912	30.183	29.510	68.3	70.0	78.4	62.1	70.2	90	53	60	61	76	74	.522	.545	5.57	2.11	5.4	5.5	4.9
September	29.945	30.295	29.522	61.2	64.5	72.9	55.5	64.2	84	39	54	55	77	73	.434	.456	2.33	.75	5.8	3.5	4.6
October	29.970	30.431	29.472	48.9	54.6	61.2	45.3	53.2	71	32	42	46	77	73	.275	.322	7.44	4.54	5.2	4.5	5.3
November	29.894	30.389	29.201	38.1	40.9	48.8	32.9	40.8	66	24	30	29	73	63	.185	.175	6.40	1.71	4.7	3.9	5.4
December	30.019	30.441	29.323	33.4	37.8	43.6	30.7	37.2	57	17	26	27	74	66	.154	.158	4.04	1.55	5.6	4.5	5.5
Year	29.938	30.595	29.036	48.1	51.4	59.0	42.7	50.8	98	7	39	40	71	67	.291	.305	46.86	4.54	5.2	4.4	5.0

Annual meteorological summary for the year ending December 31, 1911—Continued.

NANTUCKET, MASS.

[H=12 ft.; h_t=14 ft.; h_r=4 ft.; h_a=90 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	16.6	NW.	48	NW.	3	6	6	1	6	5	12	13	13	0	8	9	14	19	17	5	4	0	9	4	0	23	0	0
February	17.2	W.	52	E.	3	11	7	2	3	2	5	13	13	0	11	4	13	12	10	11	10	0	2	9	0	25	1	0
March	20.3	SW.	54	W.	10	9	6	2	5	7	14	11	8	0	15	9	7	13	12	6	2	1	2	5	0	25	3	0
April	17.6	SW.	70	NE.	5	7	9	1	6	3	14	10	10	0	16	8	6	10	8	4	3	0	3	0	0	7	0	0
May	15.0	SW.	42	SW.	1	0	9	8	4	7	23	7	4	0	14	10	7	8	4	0	0	0	17	0	0	0	3	0
June	13.4	SW.	41	N.	1	5	9	8	7	5	15	5	6	0	10	13	7	9	8	0	0	0	12	0	0	0	5	0
July	14.8	SW.	65	NE.	1	4	3	2	5	4	30	12	2	0	14	12	5	6	5	0	0	0	10	0	0	0	3	0
August	12.6	SW.	36	W.	0	2	14	9	4	5	17	7	4	0	11	11	9	12	10	0	0	0	15	0	0	0	3	0
September	16.3	NE.	48	NE.	3	11	17	3	3	7	14	3	2	0	8	9	13	13	8	0	0	0	12	0	0	0	3	0
October	14.5	NE.	58	NE.	4	9	13	6	8	4	8	9	5	0	10	7	14	12	9	0	0	0	7	0	0	0	0	0
November	17.8	W.	48	SW.	3	5	5	2	3	6	7	20	12	0	4	11	15	16	15	1	0	0	2	0	0	11	2	0
December	15.3	W.	55	W.	4	5	6	4	6	2	10	15	14	0	10	4	17	10	8	4	2	0	3	0	0	10	0	0
Year	16.0	SW.	70	NE.	38	74	104	48	60	57	169	125	93	0	131	107	127	140	114	31	21	1	94	18	0	101	23	0

NARRAGANSETT PIER, R. I.

[H=— ft.; h_t=9 ft.; h_r=3 ft.; h_a=— ft.]

January	.....	NW.	....	.....	....	2	2	1	3	3	5	7	8	0	14	8	9	16	15	5	2	0	4	6	0	25	0	0
February	.....	W.	....	.....	....	6	2	2	0	0	6	8	4	0	14	2	12	9	9	12	7	1	0	14	0	28	1	0
March	.....	SW.	....	.....	....	1	3	4	2	1	10	6	5	0	20	3	8	14	12	6	4	0	0	4	0	22	1	0
April	.....	SW.	....	.....	....	2	5	0	2	5	9	3	4	0	17	5	8	7	7	4	4	0	1	0	0	15	0	0
May	.....	SW.	....	.....	....	1	1	3	2	8	12	2	2	0	18	2	11	7	7	0	0	0	9	0	0	1	2	0
June	.....	SW.	....	.....	....	4	6	3	1	3	7	6	0	0	18	6	6	9	8	0	0	1	4	0	0	0	5	0
July	.....	SW.	....	.....	....	0	2	2	2	3	18	4	0	0	21	6	4	9	7	0	0	0	1	0	0	0	3	0
August	.....	SW.	....	.....	....	1	6	2	4	2	10	6	0	0	19	3	9	11	10	0	0	0	1	0	0	0	3	0
September	.....	SW.	....	.....	....	4	6	2	3	4	7	1	3	0	13	7	10	10	8	0	0	0	1	0	0	0	1	0
October	.....	W.	....	.....	....	4	6	2	4	2	4	7	2	0	15	3	13	12	12	0	0	0	1	0	0	1	0	0
November	.....	SW.	....	.....	....	1	1	3	2	2	9	6	6	0	16	8	6	14	13	1	0	0	1	0	0	15	1	0
December	.....	W.	....	.....	....	3	2	2	0	6	5	9	4	0	15	6	10	8	7	3	2	0	3	0	0	19	0	0
Year	.....	SW.	....	.....	....	29	41	26	25	39	102	65	38	0	200	59	106	126	115	31	19	2	26	24	2	126	17	0

NASHVILLE, TENN.

[H=546 ft.; h_t=168 ft.; h_r=161 ft.; h_a=191 ft.]

January	11.2	S.	40	SW.	2	8	5	2	9	18	7	7	6	0	5	8	18	9	7	2	1	0	1	2	0	13	2	0
February	11.1	NW.	44	W.	2	7	5	5	8	7	5	7	11	1	8	10	10	11	10	3	0	0	0	1	0	8	2	0
March	12.5	W.	46	NW.	4	7	7	4	9	7	9	11	8	0	11	11	9	10	10	2	0	1	2	0	0	6	4	0
April	12.8	SE.	62	SE.	3	7	10	2	15	10	2	5	9	0	6	12	12	12	11	0	0	0	0	0	0	1	6	0
May	7.3	N.	39	W.	0	13	11	7	7	3	7	7	7	0	19	8	4	5	4	0	0	0	0	0	0	4	0	0
June	8.1	NE.	48	W.	1	4	17	8	6	11	3	8	3	0	14	9	7	6	5	0	0	0	0	0	0	10	0	0
July	6.4	NE.	40	SW.	1	5	11	8	7	10	7	7	7	0	9	12	10	9	8	0	0	0	1	0	0	10	0	0
August	6.3	SE.	48	NW.	1	9	8	11	12	4	7	6	5	0	4	15	12	13	11	0	0	0	2	0	0	9	0	0
September	5.7	SW.	34	W.	0	5	6	9	4	10	10	8	8	0	10	15	5	7	5	0	0	0	2	0	0	10	0	0
October	7.5	NE.	30	SE.	0	9	16	4	1	8	7	6	11	0	11	10	10	6	6	0	0	0	4	0	0	0	0	0
November	11.4	SE.	48	S.	3	2	10	3	11	4	10	10	10	0	10	6	14	10	9	4	0	0	1	2	0	14	0	0
December	10.2	SE.	41	NW.	2	6	9	9	12	8	4	8	6	0	9	5	17	16	13	1	0	0	0	0	0	9	1	0
Year	9.2	NE.	62	SE.	19	82	115	72	101	100	78	90	91	1	116	121	128	114	99	12	1	1	13	5	41	51	58	0

NEW HAVEN, CONN.

[H=106 ft.; h_t=117 ft.; h_r=111 ft.; h_a=155 ft.]

January	8.8	NW.	48	W.	2	10	4	3	5	8	5	12	15	0	9	8	14	15	12	5	3	0	1	5	0	22	0	0
February	10.1	N.	35	N.	0	11	11	3	0	4	9	10	8	0	9	8	11	11	9	13	9	0	0	10	0	26	1	0
March	11.8	NW.	42	NW.	2	8	7	0	6	7	11	10	13	0	13	13	5	13	7	8	5	0	1	3	0	20	1	0
April	9.8	NW.	40	NE.	1	7	13	2	6	8	3	10	11	0	16	10	4	10	7	6	4	0	0	0	0	9	0	0
May	7.5	S.	31	W.	0	4	9	2	16	16	5	6	4	0	16	9	6	12	5	0	0	0	0	0	0	9	4	0
June	8.2	N.	29	N.	0	14	5	5	4	4	6	5	17	0	11	11	8	16	12	0	0	0	0	0	0	9	7	0
July	7.5	S.	31	S.	0	6	5	2	7	15	12	6	9	0	16	9	6	6	5	0	0	0	0	0	0	7	5	0
August	7.5	S.	27	NW.	0	14	6	8	2	15	7	3	7	0	12	10	9	10	10	0	0	0	0	0	2	0	3	0
September	8.9	N.	29	S.	0	16	8	0	6	9	7	0	14	0	13	11	6	9	8	0	0	0	0	0	0	9	2	0
October	9.0	N.	34	N.	0	19	9	1	3	8	5	6	11	0	11	7	13	11	10	0	0	0	0	0	0	1	0	0
November	10.0	W.	38	S.	0	12	1	1	1	3	16	11	15	0	9	12	9	12	10	4	2	0	0	0	0	14	0	0
December	7.9	N.	37	W.	0	15	7	1	1	6	9	9	14	0	10	10	11	10	9	7	3	0	3	2	0	17	0	0
Year	8.9	NW.	48	W.	5	136	85	28	57	103	95	88	138	0	145	118	102	135	104	43	26	0	5	20	9	109	23	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

NEW ORLEANS, LA.

[ϕ=29° 58′ N.; λ=90° 4′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.182	30.527	29.876	55.1	61.5	69.1	52.7	60.9	81	22	52	55	90	79	0.418	0.456	2.31	1.98	5.2	4.3	5.0
February	30.093	30.544	29.795	57.8	63.8	71.2	55.9	63.6	81	35	52	55	84	75	.437	.471	1.35	.55	5.0	3.8	5.9
March	30.038	30.263	29.754	59.5	68.4	75.6	57.8	66.7	86	46	55	57	87	68	.456	.479	5.82	4.16	6.0	4.0	4.8
April	29.951	30.183	29.699	67.0	71.8	78.8	63.5	71.2	86	54	63	64	88	79	.593	.610	13.76	4.37	5.8	5.9	6.1
May	29.974	30.204	29.739	71.9	77.5	84.1	67.6	75.8	96	57	64	63	78	63	.621	.589	2.20	2.47	2.9	4.2	3.7
June	29.927	30.101	29.757	79.5	84.2	91.1	75.2	83.2	98	70	72	70	78	65	.786	.738	6.23	2.16	5.2	6.0	5.5
July	30.002	30.112	29.879	77.8	80.0	86.7	73.7	80.2	92	70	72	72	82	77	.785	.782	8.40	2.71	7.2	9.2	6.9
August	29.917	30.044	29.778	78.1	80.1	89.5	74.2	81.8	97	69	73	73	86	79	.822	.807	8.15	1.99	5.2	8.2	6.9
September	29.982	30.078	29.878	78.7	80.9	89.5	75.6	82.6	94	72	74	74	85	80	.836	.842	5.43	1.33	3.8	4.9	5.7
October	29.960	30.171	29.790	69.0	73.7	80.8	67.3	74.0	93	52	63	66	83	78	.608	.672	1.99	.86	4.5	2.7	4.6
November	30.078	30.553	29.696	53.3	59.5	67.4	50.4	58.9	89	31	47	49	79	69	.362	.393	4.08	2.52	5.3	3.8	5.0
December	30.051	30.457	29.715	54.0	57.9	64.8	50.7	57.8	77	35	50	51	86	81	.391	.402	8.14	2.85	7.2	7.0	7.8
Year	30.013	30.553	29.696	66.8	71.6	79.0	63.7	71.4	98	22	61	62	84	74	.593	.603	67.86	4.37	5.3	5.3	5.6

NEW YORK, N. Y.

[ϕ=40° 43′ N.; λ=74° 0′ W.]

January	29.801	30.343	28.969	32.8	35.6	41.1	28.4	34.8	54	15	26	25	74	66	0.149	0.153	2.27	0.76	6.1	4.7	6.6
February	29.760	30.279	29.291	29.3	33.2	37.5	25.2	31.4	56	15	23	23	75	66	.126	.129	3.17	1.48	6.7	5.3	6.5
March	29.661	30.273	28.865	33.2	39.1	44.5	30.6	37.6	67	16	25	28	70	63	.138	.159	2.87	.91	5.2	3.7	5.4
April	29.791	30.321	29.169	44.0	49.9	55.6	40.8	48.2	78	24	34	37	68	62	.204	.234	3.06	1.30	4.8	4.8	5.3
May	29.704	30.046	29.192	61.7	62.6	72.3	54.8	63.6	84	36	50	50	68	66	.393	.392	.91	.56	4.9	5.0	4.9
June	29.599	29.876	29.320	65.6	68.9	76.0	60.6	68.3	89	52	57	58	75	70	.474	.489	4.63	1.49	5.5	6.2	6.1
July	29.675	29.922	29.285	72.8	76.8	83.6	68.4	76.0	98	62	63	63	72	64	.586	.590	1.55	.55	4.7	4.9	5.4
August	29.698	29.925	29.351	69.5	71.2	78.5	65.0	71.8	92	54	62	61	78	72	.564	.550	7.38	3.53	6.1	5.0	6.2
September	29.724	30.043	29.336	63.7	67.5	73.5	59.6	66.6	83	48	56	56	78	68	.471	.466	1.51	.52	5.9	2.8	5.4
October	29.746	30.185	29.320	52.3	56.6	61.7	49.6	55.6	72	39	44	47	73	72	.297	.339	5.38	1.82	5.6	6.0	6.4
November	29.694	30.207	29.005	39.6	41.8	48.5	34.4	41.4	68	24	31	29	71	61	.189	.172	4.22	1.42	5.3	3.8	6.0
December	29.810	30.207	29.182	36.8	40.2	45.5	32.9	39.2	60	18	28	29	72	65	.166	.170	3.39	.90	7.4	4.4	6.4
Year	29.722	30.343	28.865	50.1	53.6	59.9	45.9	52.9	98	15	42	42	73	66	.313	.320	40.34	3.53	5.7	4.7	5.9

NORFOLK, VA.

[ϕ=36° 51′ N.; λ=76° 17′ W.]

January	30.121	30.693	29.440	41.6	46.4	53.5	36.5	45.0	72	26	35	38	78	74	0.228	0.253	2.39	0.78	6.0	5.1	5.6
February	30.047	30.542	29.561	38.9	45.2	51.5	36.3	43.9	71	25	32	36	78	71	.192	.220	2.18	.79	5.7	3.6	5.3
March	29.976	30.535	29.201	41.8	47.7	56.2	37.8	47.0	77	24	34	39	73	72	.202	.250	3.70	1.35	4.9	3.6	4.1
April	30.063	30.464	29.451	51.6	54.0	62.0	47.3	54.6	80	36	42	47	72	79	.284	.340	3.30	.85	5.6	4.6	6.0
May	29.966	30.271	29.622	65.7	69.4	77.9	60.5	69.2	94	48	57	59	74	72	.488	.523	.56	.54	3.8	2.3	3.7
June	29.866	30.062	29.583	72.7	75.6	83.9	67.2	75.6	98	61	63	66	73	73	.587	.640	3.65	1.32	5.2	5.3	4.7
July	29.952	30.172	29.669	76.1	79.3	87.4	71.1	79.2	97	64	68	69	76	72	.684	.710	5.10	1.50	4.3	4.2	4.3
August	29.935	30.100	29.720	76.3	78.0	86.3	71.3	78.8	94	66	69	70	79	78	.715	.743	5.93	2.15	4.1	2.9	4.3
September	29.978	30.234	29.697	71.3	73.5	81.3	67.5	74.4	88	58	65	66	83	78	.643	.652	.63	.34	5.4	2.2	5.3
October	29.990	30.340	29.637	60.1	62.3	68.8	56.4	62.6	89	48	55	56	83	81	.436	.459	2.77	.72	6.7	4.6	6.3
November	30.015	30.550	29.340	46.5	50.3	58.3	41.2	49.8	74	30	39	40	75	70	.259	.271	4.12	1.51	5.5	4.4	5.6
December	30.099	30.473	29.435	43.1	47.8	55.8	39.5	47.6	70	30	38	40	81	74	.241	.260	4.62	1.45	4.6	5.7	5.5
Year	30.001	30.693	29.201	57.1	60.8	68.6	52.7	60.6	98	24	50	52	77	74	.413	.443	38.95	2.15	5.2	4.0	5.1

NORTHFIELD, VT.

[ϕ=44° 10′ N.; λ=72° 41′ W.]

January	29.126	29.568	28.116	17.4	19.6	30.5	6.6	18.6	55	−11	12	15	81	82	0.086	0.098	1.25	0.29	6.8	6.1	6.3
February	28.118	29.082	28.568	9.1	16.0	25.3	2.0	13.6	50	−18	7	12	89	83	.062	.080	1.61	.57	7.6	5.9	6.9
March	28.985	29.719	28.027	17.5	25.1	33.8	10.5	22.2	53	−11	12	18	78	75	.080	.105	2.07	.52	5.8	4.8	5.5
April	29.169	29.727	28.638	35.0	38.7	49.8	24.0	36.9	80	− 1	25	28	66	67	.142	.163	1.10	.44	3.8	4.4	4.7
May	29.077	29.499	28.533	58.2	60.4	72.9	44.1	58.5	93	27	47	47	67	64	.345	.355	.99	.50	4.9	4.6	4.7
June	29.017	29.335	28.625	60.3	60.9	70.0	48.0	59.0	84	37	52	53	74	76	.393	.408	2.36	.43	6.1	6.0	6.6
July	29.057	29.366	28.645	68.2	68.9	82.0	53.9	68.0	98	43	58	61	71	77	.494	.547	3.41	1.30	4.6	4.5	5.2
August	29.099	29.408	28.725	62.1	62.8	75.2	51.5	63.4	88	40	56	57	81	83	.454	.482	4.46	3.00	6.2	5.0	6.2
September	29.132	29.526	28.618	51.2	53.4	65.9	41.5	53.7	82	25	47	49	86	85	.340	.357	2.53	.51	7.0	4.7	6.0
October	29.149	29.593	28.568	40.3	43.9	54.5	33.1	43.8	68	19	36	38	86	80	.223	.236	3.96	1.85	5.5	4.7	6.0
November	28.995	29.473	28.398	28.9	31.6	39.9	22.5	31.2	62	6	25	25	86	76	.142	.139	2.17	.61	7.9	5.9	7.5
December	29.150	29.585	28.397	26.8	28.7	36.4	22.3	29.4	61	2	23	24	86	80	.134	.136	2.01	.58	7.8	6.3	7.1
Year	29.090	29.727	28.027	39.6	42.5	53.0	30.0	41.5	98	−18	33	36	79	77	.241	.259	27.92	3.00	6.2	5.2	6.1

Annual meteorological summary for the year ending December 31, 1911—Continued.

NEW ORLEANS, LA.

[H=51 ft.; h_t=90 ft.; h_r=78 ft.; h_a=121 ft.]

Month.	Wind.														Number of days.												
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	8.0	E.	30	N.	0	9	5	17	9	11	5	1	5	0	10	17	4	5	4	0	0	0	12	0	0	2	0	0
February	9.8	SE.	28	SE.	0	9	5	11	11	7	7	2	4	0	8	8	12	5	5	0	0	0	6	0	0	0	1	0
March	8.5	SE.	22	S.	0	7	6	9	12	6	6	12	4	0	15	8	8	7	5	0	0	0	5	0	0	0	1	0
April	9.5	E.	33	N.	0	1	9	23	10	9	1	6	0	1	6	13	11	12	11	0	0	2	2	0	0	0	7	0
May	7.2	E.	36	N.	0	10	7	9	13	9	6	5	3	0	15	13	3	6	5	0	0	0	0	0	6	0	5	0
June	6.8	S.	25	S.	0	2	2	1	9	18	18	7	3	0	11	8	11	11	10	0	0	0	0	0	18	0	17	0
July	6.3	SE.	32	SE.	0	2	4	5	16	10	15	7	3	0	0	16	15	14	13	0	0	0	0	0	6	0	15	0
August	6.7	SW.	40	NE.	1	6	4	5	4	14	16	12	1	0	5	18	8	14	13	0	0	0	1	0	12	0	15	0
September	5.2	SE.	26	SE.	0	4	8	7	14	12	7	4	4	0	3	21	6	16	14	0	0	0	0	0	13	0	12	0
October	7.0	N.	26	N.	0	22	14	4	10	4	1	1	6	0	14	10	7	7	6	0	0	0	0	0	4	0	3	0
November	9.7	N.	42	N.	1	8	16	10	2	10	5	1	8	0	12	8	10	6	5	0	0	0	4	0	0	2	1	0
December	9.0	E.	34	NW.	0	6	15	11	8	9	2	6	5	0	5	4	22	17	15	0	0	0	2	0	0	0	4	0
Year	7.8	S.	42	N.	2	86	95	112	118	119	89	64	46	1	104	144	117	120	106	0	0	2	32	0	59	4	81	0

NEW YORK, N. Y.

[H=314 ft.; h_t=414 ft.; h_r=407 ft.; h_a=454 ft.]

January	12.7	NW.	66	NW.	4	3	2	4	3	7	10	12	21	0	6	11	14	12	10	3	3	0	4	6	0	20	0	0
February	14.0	NW.	42	NW.	2	3	9	6	1	1	4	14	18	0	6	11	11	11	10	13	7	0	0	7	0	24	1	0
March	15.1	NW.	59	NW.	10	0	5	4	2	7	8	10	26	0	9	14	8	11	8	8	4	1	0	2	0	16	2	0
April	11.3	NW.	48	NW.	2	3	5	8	6	10	5	1	22	0	10	11	9	10	9	3	2	0	1	0	0	3	0	0
May	13.7	SW.	55	NW.	4	8	4	10	7	10	16	4	3	0	11	12	8	10	8	0	0	0	6	0	0	0	4	0
June	14.7	NW.	72	N.	9	9	9	9	5	6	5	6	11	0	6	11	13	17	13	0	0	0	0	0	0	0	9	0
July	13.7	SW.	62	NW.	7	6	7	1	6	3	18	11	10	0	9	14	8	8	7	0	0	0	0	0	0	7	9	0
August	13.1	SW.	64	NW.	4	2	7	7	11	7	14	7	7	0	6	11	14	12	10	0	0	0	1	0	1	0	3	0
September	14.9	N.	62	N.	3	10	6	9	7	5	9	5	9	0	11	11	8	11	7	0	0	0	1	0	0	1	1	0
October	14.8	SW.	54	NW.	6	7	9	11	5	6	8	6	10	0	8	8	15	12	10	0	0	0	3	0	0	0	0	0
November	21.1	NW.	72	NW.	13	7	1	5	1	1	10	10	25	0	8	11	11	11	9	4	2	0	4	0	0	15	0	0
December	16.5	NW.	71	NW.	9	13	4	6	3	2	5	8	21	0	9	8	14	11	10	5	3	0	3	1	0	13	0	0
Year	14.6	NW.	72	NW.	73	71	68	80	57	65	112	94	183	0	99	133	133	136	111	36	21	1	23	16	8	91	29	0

NORFOLK, VA.

[H=91 ft.; h_t=102 ft.; h_r=96 ft.; h_a=111 ft.]

January	10.7	S.	34	SW.	0	11	7	2	3	19	11	3	5	1	12	6	13	11	11	3	2	0	1	1	0	13	0	0
February	9.5	NE.	30	SW.	0	5	11	5	4	9	10	6	6	0	10	8	10	8	7	0	0	0	4	0	0	5	1	0
March	12.5	S.	48	NW.	2	7	10	2	5	19	6	9	4	0	17	7	7	13	10	3	3	2	0	0	0	7	4	0
April	10.3	S.	34	W.	0	9	11	4	8	22	1	2	3	0	7	10	13	13	12	0	0	0	0	0	0	0	2	0
May	8.9	S.	33	S.	0	3	13	8	3	18	12	2	3	0	14	14	3	3	1	0	0	0	0	0	5	0	2	0
June	7.4	S.	42	S.	1	3	10	8	6	10	13	6	4	0	9	15	6	10	7	0	0	1	0	0	9	0	10	0
July	8.0	S.	36	NW.	0	4	3	3	6	22	16	4	2	2	13	15	3	12	8	0	0	1	0	0	11	0	8	0
August	8.4	S.	34	NW.	0	2	3	9	8	26	10	1	3	0	13	14	4	11	9	0	0	0	0	0	10	0	8	0
September	7.8	NE.	24	S.	0	6	17	5	6	13	9	4	0	0	10	12	8	6	4	0	0	0	1	0	0	0	1	0
October	8.5	NE.	30	NE.	0	12	19	6	3	12	3	2	5	0	9	7	15	13	12	0	0	0	1	0	0	0	2	0
November	10.1	S.	39	NW.	0	7	8	4	2	13	6	8	11	1	10	8	12	12	11	0	0	0	1	0	0	1	1	0
December	8.2	S.	38	SW.	0	10	5	3	9	13	7	9	5	1	14	2	15	12	10	0	0	0	5	0	0	5	0	0
Year	9.2	S.	48	NW.	3	79	117	59	63	196	104	56	51	5	138	118	109	124	102	6	5	4	13	1	35	31	39	0

NORTHFIELD, VT.

[H=876 ft.; h_t=12 ft.; h_r=3 ft.; h_a=60 ft.]

January	8.7	N.	33	NW.	0	16	5	1	0	20	14	1	5	0	10	4	17	16	10	15	9	0	0	14	0	30	0	1
February	7.3	N.	30	N.	0	15	1	0	1	21	11	2	5	0	5	9	14	14	8	18	13	0	0	22	0	28	0	1
March	8.2	S.	35	NW.	0	10	3	2	2	19	10	1	5	1	11	8	12	17	13	17	14	0	1	11	0	30	0	2
April	7.4	S.	25	SW.	0	24	6	0	1	19	5	0	5	0	10	12	8	7	6	8	4	0	0	3	0	24	0	1
May	7.6	S.	29	N.	0	11	6	1	1	32	6	1	4	0	13	8	10	8	4	1	1	0	1	0	3	6	5	1
June	6.9	S.	28	S.	0	13	10	1	2	20	10	0	4	0	7	9	14	17	11	0	0	2	1	0	0	0	4	0
July	5.8	SW.	36	SW.	0	5	9	0	1	25	18	1	2	1	9	14	8	10	8	0	0	1	2	0	7	0	9	0
August	6.3	S.	27	S.	0	12	4	2	0	25	18	1	0	0	11	6	14	10	7	0	0	0	2	0	0	0	6	0
September	6.8	S.	26	N.	0	16	0	1	1	24	12	0	5	1	6	14	10	16	13	1	0	0	2	0	0	8	3	1
October	6.9	S.	34	N.	0	10	5	0	1	28	15	1	1	1	8	11	12	13	12	3	3	0	5	0	0	17	0	1
November	8.6	S.	35	S.	0	14	5	1	2	20	13	1	3	1	4	7	19	17	10	19	9	0	0	8	0	27	0	0
December	7.5	S.	35	NW.	0	18	4	0	1	21	10	2	5	1	7	4	20	12	10	11	6	0	1	11	0	26	0	0
Year	7.3	S.	36	SW.	0	173	58	9	13	274	142	11	44	6	101	106	158	157	112	93	59	3	15	69	10	196	27	8

Annual meteorological summary for the year ending December 31, 1911—Continued.

NORTH HEAD, WASH.

[ϕ=46° 16′ N.; λ=124° 4′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.760	30.450	29.036	38.9	40.4	43.1	35.6	39.4	49	25	37	37	92	88	0.221	0.224	8.32	2.11	8.1	8.4	8.4
February	29.881	30.358	28.995	38.9	43.2	45.1	36.2	40.6	50	28	36	38	90	81	.215	.225	3.27	.64	7.0	5.8	5.2
March	29.903	30.258	29.341	43.5	47.1	49.4	41.4	45.4	62	38	40	41	89	81	.248	.256	1.62	.91	5.8	4.9	5.5
April	29.903	30.319	29.361	42.7	45.3	47.8	40.3	44.0	63	33	40	39	89	80	.245	.243	2.70	.76	6.6	5.0	5.6
May	29.819	30.337	29.096	46.5	49.0	50.6	45.0	47.8	58	42	44	45	92	87	.290	.301	5.14	1.39	8.3	7.8	7.8
June	29.917	30.130	29.668	49.8	52.6	53.6	48.8	51.2	60	46	47	47	90	82	.321	.327	.83	.44	8.5	6.2	7.0
July	29.889	30.124	29.649	54.6	57.5	60.1	52.6	56.4	87	48	51	52	90	83	.380	.390	.46	.22	6.6	5.5	6.6
August	29.873	30.020	29.723	55.1	58.6	61.0	53.8	57.4	75	51	52	52	89	80	.383	.394	.23	.11	5.8	4.9	5.8
September	29.837	30.087	29.515	53.3	55.7	57.7	51.9	54.8	64	47	51	51	93	86	.372	.381	2.15	.65	5.2	6.3	6.5
October	29.864	30.180	29.333	51.3	55.6	57.5	49.7	53.6	71	45	48	50	91	82	.342	.358	2.32	.66	5.1	5.4	5.6
November	29.890	30.268	29.276	46.4	47.4	50.1	43.3	46.7	58	27	44	44	92	88	.293	.291	7.56	2.27	6.9	8.4	8.7
December	29.877	30.375	29.262	43.8	44.6	47.1	40.5	43.8	59	32	41	41	91	86	.263	.255	8.17	1.13	8.1	7.4	8.1
Year	29.868	30.450	28.995	47.1	49.8	51.9	44.9	48.4	87	25	44	45	91	84	.298	.304	42.77	2.27	6.8	6.3	6.7

NORTH PLATTE, NEBR.

[ϕ=41° 8′ N.; λ=100° 45′ W.]

January	27.106	27.509	26.570	16.9	29.8	42.3	13.1	27.7	69	−22	13	20	84	65	0.087	0.110	0.28	0.24	4.4	3.9	5.2
February	27.169	27.769	26.661	18.9	34.2	43.4	16.1	29.8	70	− 2	16	18	89	53	.092	.101	.39	.31	5.0	4.2	4.8
March	27.103	27.576	26.597	30.1	52.8	60.7	27.0	43.8	80	14	23	22	75	30	.125	.118	.20	.19	3.9	4.5	3.6
April	27.053	21.550	26.466	36.1	53.9	59.9	32.5	46.2	75	18	29	29	74	45	.165	.176	2.48	1.16	5.8	4.8	5.1
May	27.028	27.352	26.393	50.5	67.5	72.5	46.5	59.5	95	23	44	43	80	48	.302	.295	1.73	.77	6.3	5.2	5.1
June	27.030	27.347	26.718	63.4	83.7	89.3	58.1	73.7	104	43	53	55	69	39	.406	.437	1.13	.63	3.5	4.7	3.1
July	27.121	27.455	26.796	62.4	78.8	86.1	59.2	72.6	99	43	55	57	79	50	.443	.474	3.31	.80	5.3	4.5	3.9
August	27.120	27.401	26.859	58.3	74.4	82.5	56.3	69.4	97	41	55	57	88	57	.439	.479	2.19	.84	4.1	5.3	4.3
September	27.093	27.328	26.838	55.9	70.9	80.0	53.2	66.6	98	38	52	54	89	57	.407	.417	1.37	.61	5.6	4.0	5.2
October	27.146	27.557	26.694	35.9	49.4	58.4	33.6	46.0	77	20	33	38	89	66	.198	.243	3.66	2.62	3.8	4.9	5.4
November	27.100	27.774	26.661	21.8	34.2	46.2	19.1	32.6	63	− 4	18	23	83	64	.100	.126	.04	.02	3.9	4.3	4.6
December	27.088	27.420	26.653	14.8	24.8	34.8	11.0	22.9	55	−14	12	18	88	76	.081	.104	.65	.54	3.6	3.4	4.8
Year	27.096	27.774	26.393	38.8	54.5	63.0	35.5	49.2	104	−22	34	36	82	54	.237	.257	17.43	2.62	4.6	4.5	4.6

OKLAHOMA, OKLA.

[ϕ=35° 26′ N.; λ=97° 33′ W.]

January	28.840	29.286	28.351	35.1	44.5	53.1	30.1	41.6	83	− 9	30	30	81	60	0.195	0.190	0.17	0.14	5.7	5.4	5.6
February	28.819	29.442	28.264	37.4	47.2	53.5	34.5	44.0	80	14	30	30	77	57	.187	.182	2.05	1.05	5.5	5.6	5.5
March	28.772	29.168	28.357	44.8	60.6	68.6	42.0	55.3	89	24	34	33	69	40	.212	.205	.02	.02	3.6	3.4	3.9
April	28.680	29.204	28.236	51.4	64.5	70.2	48.6	59.4	86	38	45	46	79	54	.314	.322	2.93	.99	6.2	5.6	5.1
May	28.708	29.012	28.214	62.7	77.3	83.0	59.4	71.2	95	37	53	50	72	42	.422	.389	2.65	1.02	4.5	4.2	3.6
June	28.649	28.855	28.367	75.4	91.7	96.3	71.9	84.1	106	63	61	54	62	30	.542	.433	.26	.21	3.0	2.6	2.3
July	28.716	29.039	28.418	73.2	84.2	89.0	70.0	79.5	103	58	66	64	78	54	.634	.606	3.74	1.70	5.7	4.7	4.7
August	28.687	28.880	28.452	71.3	86.6	92.2	68.9	80.6	105	54	64	62	80	47	.612	.572	.94	.50	3.4	2.2	2.8
September	28.711	28.895	28.485	70.8	82.6	90.8	69.2	80.0	98	56	66	65	84	58	.631	.626	1.38	.86	2.9	2.8	2.9
October	28.766	29.007	28.453	53.6	64.4	72.2	51.1	61.6	93	34	48	46	81	55	.365	.344	1.29	.73	4.2	3.1	4.7
November	28.806	29.434	28.253	37.2	47.6	57.7	33.3	45.5	83	11	29	29	72	51	.184	.178	.54	.45	3.9	3.3	4.1
December	28.790	29.150	28.256	33.2	38.9	45.5	30.5	38.0	66	8	29	32	85	77	.170	.186	3.86	2.05	4.4	4.1	4.8
Year	28.745	29.442	28.214	53.8	65.8	72.7	50.8	61.7	106	− 9	46	45	77	52	.372	.353	19.83	2.05	4.4	3.9	4.2

OMAHA, NEBR.

[ϕ=41° 16′ N.; λ=95° 56′ W.]

January	28.916	29.385	28.373	20.8	27.2	34.4	16.4	25.4	60	−14	16	17	82	65	0.102	0.106	0.45	0.40	6.5	5.6	7.0
February	28.957	29.563	28.331	25.1	32.1	36.8	22.1	29.4	54	5	21	22	83	65	.119	.122	2.13	.81	4.9	4.2	5.6
March	28.854	29.424	28.277	34.7	47.3	53.7	32.3	43.0	76	15	26	26	71	46	.147	.148	1.29	.59	4.2	3.3	4.6
April	28.819	29.314	28.153	43.8	56.3	60.7	41.2	51.0	78	26	35	36	76	51	.218	.229	2.34	.72	6.3	4.8	5.0
May	28.763	29.197	28.190	59.1	71.5	76.2	56.4	66.3	94	33	50	52	72	52	.376	.404	2.70	.74	5.6	4.9	4.8
June	28.731	28.963	28.430	70.6	85.7	90.0	68.2	79.1	102	61	60	58	69	41	.514	.492	.94	.41	4.7	3.3	4.6
July	28.800	29.094	28.470	70.3	85.0	89.1	68.0	78.6	107	54	56	56	62	38	.466	.459	1.08	.62	4.5	3.3	4.9
August	28.810	29.118	28.589	66.2	80.5	85.6	65.1	75.4	100	48	58	58	75	48	.496	.502	.71	.38	4.2	4.2	5.0
September	28.813	29.078	28.458	62.3	73.5	79.4	60.4	69.9	97	45	56	58	81	60	.466	.496	2.55	1.98	6.6	4.9	6.2
October	28.871	29.294	28.356	45.2	54.2	60.2	43.5	51.8	76	29	40	42	82	64	.265	.262	1.26	.65	5.2	4.9	5.7
November	28.849	29.585	28.387	27.2	36.8	42.2	23.4	32.8	59	1	21	23	76	58	.121	.132	.42	.16	5.9	3.6	5.3
December	28.864	29.248	28.265	25.3	31.8	35.5	22.8	29.2	54	− 3	21	23	82	69	.119	.130	2.59	1.33	4.5	5.4	5.2
Year	28.837	29.585	28.153	45.9	56.8	62.0	43.3	52.7	107	−14	38	39	76	55	.284	.292	18.46	1.98	5.3	4.4	5.3

Annual meteorological summary for the year ending December 31, 1911—Continued.

NORTH HEAD, WASH.

[H=211 ft.; h_t=11 ft.; h_r=3 ft.; h_a=56 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow. T. or more.	Snow. 0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Electricity. Auroras.
	Miles.		*Mi.*																									
January	17.3	SE.	78	S.	13	2	4	11	17	5	8	8	7	0	3	4	24	27	22	8	7	3	5	0	0	8	0	0
February	15.6	E.	84	SE.	8	7	1	16	6	5	8	1	12	0	12	6	10	17	14	2	2	1	0	0	0	3	0	0
March	14.4	NW.	72	SE.	9	6	3	8	10	7	4	4	20	0	13	4	14	12	8	0	0	0	4	0	0	0	0	0
April	18.2	NW.	71	SE.	7	7	0	5	5	5	1	4	33	0	10	8	12	15	11	1	1	3	0	0	0	0	0	0
May	20.4	NW.	78	SE.	8	4	0	0	10	10	5	8	25	0	2	7	22	17	15	0	0	0	4	0	0	0	0	0
June	17.1	NW.	46	SE.	4	3	0	1	4	4	0	6	42	0	6	9	15	8	5	0	0	0	2	0	0	0	0	0
July	13.6	NW.	42	NW.	1	9	0	0	4	10	4	8	27	0	6	10	15	7	4	0	0	0	7	0	0	0	0	0
August	10.7	NW.	36	SE.	0	17	0	0	2	2	0	6	35	0	10	7	14	4	3	0	0	0	4	0	0	0	0	0
September	11.3	NW.	56	SE.	1	7	0	3	14	9	3	4	20	0	6	9	15	16	13	0	0	0	5	0	0	0	0	0
October	14.0	SE.	74	SE.	5	8	5	10	17	5	5	3	9	0	10	8	13	13	9	0	0	0	2	0	0	0	0	0
November	21.0	NW.	78	SE.	12	3	1	9	13	11	7	4	12	0	2	3	25	25	22	3	3	2	4	0	0	3	0	0
December	16.4	E.	66	SE.	14	2	0	17	12	9	2	5	15	0	5	5	21	25	22	0	0	0	2	0	0	1	1	0
Year	15.8	NW.	84	SE.	82	75	14	80	114	82	47	61	257	0	85	80	200	186	148	14	13	9	39	0	0	15	1	0

NORTH PLATTE, NEBR.

[H=2,821 ft.; h_t=11 ft.; h_r=3 ft.; h_a=51 ft.]

January	7.3	W.	39	NE.	0	3	5	4	11	8	8	13	10	0	8	14	9	3	2	3	3	0	0	7	0	30	0	0
February	7.7	N.	31	N.	0	14	6	5	10	1	3	10	7	0	10	11	7	2	2	5	2	1	0	7	0	28	0	0
March	9.8	W.	43	N.	1	8	3	4	7	7	5	17	9	2	15	11	5	3	1	1	1	0	0	0	0	20	0	0
April	10.0	SE.	37	N.	0	7	8	5	14	7	2	9	7	1	13	8	9	7	6	5	4	1	0	0	0	17	3	0
May	9.6	S.	36	NW.	0	11	3	5	20	6	4	6	6	1	11	11	9	11	9	1	1	2	0	0	5	2	2	0
June	8.7	SE.	44	SW.	1	9	5	10	20	6	2	5	3	0	17	13	0	8	4	0	0	0	0	15	0	11	0	0
July	7.2	SE.	33	SW.	0	7	9	9	14	11	3	4	5	0	12	19	0	12	10	0	0	1	0	0	10	0	11	0
August	7.0	SE.	36	SW.	0	8	12	6	12	16	1	2	5	0	11	18	2	9	6	0	0	1	0	0	5	0	10	0
September	6.7	SE.	26	N.	0	4	4	17	11	9	4	4	7	0	8	15	7	11	8	0	0	0	2	0	5	0	4	0
October	6.9	N.	30	W.	0	16	6	4	8	7	1	12	8	0	9	12	10	8	5	3	0	0	0	0	12	2	0	0
November	9.8	W.	36	N.	0	12	4	3	5	9	1	13	13	0	10	14	6	2	0	6	1	0	0	6	0	29	0	0
December	6.4	W.	30	NW.	0	7	2	6	3	8	5	21	10	0	11	12	8	3	2	8	3	0	1	14	0	31	0	0
Year	8.1	SE.	44	SW.	2	106	67	78	135	95	39	116	90	4	135	158	72	79	55	32	15	6	3	34	40	169	43	0

OKLAHOMA, OKLA.

[H=1,214 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

January	16.1	S.	42	S.	4	20	2	1	6	25	2	1	5	0	9	10	12	3	1	0	0	0	4	2	0	19	0	0
February	16.9	N.	42	SW.	4	16	6	2	4	17	2	0	9	0	10	8	10	10	10	2	1	0	0	3	0	11	1	0
March	15.7	S.	48	NW.	3	18	7	1	3	20	8	1	4	0	16	11	4	1	0	0	0	0	0	0	0	5	0	0
April	15.9	S.	48	N.	8	7	12	5	10	16	3	1	6	0	8	16	6	10	7	0	0	3	0	0	0	5	5	0
May	16.7	S.	42	S.	3	8	3	5	8	33	0	0	5	0	16	12	3	7	6	0	0	0	0	0	0	7	5	0
June	14.2	S.	40	NW.	1	9	3	5	9	28	3	0	3	0	25	4	1	2	2	0	0	1	0	0	27	0	7	0
July	12.3	S.	44	W.	1	7	2	4	15	30	4	0	0	0	10	17	4	12	10	0	0	0	0	0	11	0	10	0
August	11.4	S.	60	W.	2	7	12	7	12	22	1	0	1	0	19	10	2	7	5	0	0	0	0	0	19	0	2	0
September	14.5	S.	35	S.	0	2	3	4	3	45	3	0	0	0	21	5	4	4	4	0	0	0	0	0	21	0	2	0
October	15.1	S.	40	S.	2	15	4	3	8	24	1	1	6	0	16	16	5	6	5	0	0	0	1	0	3	0	2	0
November	17.3	S.	62	NW.	7	14	4	1	3	22	5	1	10	0	17	4	9	4	2	5	3	0	0	4	0	13	0	0
December	13.1	S.	38	S.	0	13	2	4	5	16	7	4	11	0	15	4	12	12	11	4	4	0	2	5	0	17	0	0
Year	14.9	S.	62	NW.	35	136	60	42	86	298	39	9	60	0	176	117	72	78	63	11	8	4	7	14	88	65	34	0

OMAHA, NEBR.

[H=1,105 ft.; h_t=115 ft.; h_r=107 ft.; h_a=121 ft.]

January	9.7	S.	36	NW.	0	15	1	3	3	23	2	5	10	0	4	11	16	3	2	7	3	0	2	12	0	27	0	0
February	10.5	N.	38	NW.	0	14	1	3	4	12	2	5	15	0	10	8	10	6	5	5	1	0	0	10	0	22	0	0
March	10.8	S.	40	NW.	1	11	2	1	4	19	6	3	13	3	14	7	10	6	6	4	3	0	1	0	0	17	1	0
April	9.1	E.	41	N.	1	10	6	12	10	8	3	4	7	0	10	12	8	10	7	1	1	1	0	0	0	6	3	0
May	8.9	S.	39	N.	0	10	5	3	5	27	4	2	5	1	13	8	10	11	10	1	1	0	0	0	5	0	10	0
June	8.3	S.	44	N.	1	10	4	7	13	18	0	1	6	1	10	14	6	4	4	0	0	0	0	16	0	4	0	0
July	7.7	S.	36	N.	0	15	6	5	3	22	2	4	5	0	13	13	5	7	6	0	0	1	0	0	14	0	5	0
August	7.1	S.	30	N.	0	15	8	7	4	19	3	3	3	0	7	17	7	8	3	0	0	0	0	10	0	12	0	0
September	7.3	S.	34	NW.	0	10	10	5	8	19	1	3	4	0	9	7	14	8	3	0	0	0	1	0	6	0	7	0
October	7.9	N.	27	NW.	0	14	7	5	5	4	10	6	11	0	8	12	11	7	6	1	0	0	0	0	3	1	0	0
November	11.0	NW.	39	NW.	0	11	0	2	5	13	8	6	15	0	11	10	9	7	3	9	5	0	1	4	0	23	0	0
December	8.1	S.	43	N.	1	4	8	2	2	14	8	6	16	2	12	6	13	10	6	8	8	0	1	11	0	27	0	0
Year	8.9	S.	44	N.	4	139	58	55	66	198	49	48	110	7	121	125	119	86	61	36	22	2	6	37	51	125	43	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

OSWEGO, N. Y.

[ϕ=43° 29′ N.; λ=76° 35′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.741	30.184	28.990	24.7	26.7	33.4	18.2	25.8	48	1	21	22	84	82	0.118	0.124	1.68	0.50	8.7	6.3	8.3
February	29.715	30.200	29.155	22.6	25.0	31.6	17.3	24.4	47	0	19	20	86	82	.107	.111	2.89	1.22	8.1	7.1	8.2
March	29.608	30.214	28.824	26.6	30.8	36.8	22.1	29.4	61	3	21	23	78	71	.118	.123	2.37	.47	7.0	6.4	6.4
April	29.747	30.264	29.038	39.7	44.5	49.9	34.8	42.4	73	20	31	32	72	65	.183	.191	1.79	.48	6.5	5.6	5.1
May	29.647	30.068	28.991	58.3	61.1	69.1	49.6	59.4	91	30	48	48	70	64	.369	.369	1.80	.67	4.4	4.9	3.7
June	29.569	29.873	29.257	62.3	63.1	70.4	55.3	62.8	86	48	55	54	76	73	.433	.429	6.67	2.22	6.2	6.4	5.8
July	29.615	29.894	29.122	70.0	72.5	79.7	62.8	71.2	97	53	61	60	73	66	.537	.528	4.06	3.71	4.6	4.4	3.8
August	29.638	29.953	29.351	67.0	69.5	75.9	62.0	69.0	90	51	60	59	79	71	.530	.518	3.86	1.34	6.8	5.8	5.7
September	29.680	30.008	29.239	57.7	60.1	67.3	52.3	59.8	82	39	51	52	80	77	.394	.412	3.03	2.17	4.7	4.5	4.5
October	29.704	30.096	29.225	47.2	50.3	56.4	43.6	50.0	74	30	42	43	83	77	.279	.286	3.03	.93	7.4	4.4	6.1
November	29.594	30.080	28.926	35.0	36.9	43.1	30.2	36.6	68	15	30	31	80	78	.168	.177	2.75	.69	9.1	8.0	8.4
December	29.747	30.212	29.018	33.0	35.5	40.7	29.6	35.2	59	14	29	29	85	78	.165	.167	2.97	1.03	8.8	8.0	7.7
Year	29.667	30.264	28.824	45.3	48.0	54.5	39.8	47.2	97	Zero.	39	39	79	74	.283	.286	36.90	3.71	6.8	6.0	6.1

PALESTINE, TEX.

[ϕ=31° 45′ N.; λ=95° 40′ W.]

January	29.651	30.052	29.262	50.1	58.3	64.7	47.2	56.0	84	9	47	44	89	62	0.371	0.337	0.48	0.34	7.1	4.1	5.8
February	29.573	30.218	29.238	52.7	59.6	65.9	49.2	57.6	82	24	48	46	83	65	.376	.357	3.16	2.20	6.9	6.9	6.6
March	29.547	29.801	29.251	54.4	68.5	72.8	53.0	62.9	90	34	48	47	80	50	.365	.348	4.65	2.26	6.3	5.6	4.8
April	29.433	29.816	29.091	60.4	68.8	73.8	57.3	65.6	87	47	57	58	89	71	.481	.499	8.24	1.76	7.6	7.1	6.5
May	29.493	29.747	29.095	64.8	77.7	82.1	62.2	72.2	96	46	59	58	82	54	.523	.505	0.77	.66	4.7	3.5	3.4
June	29.422	29.589	29.255	74.8	88.5	92.6	71.9	82.2	99	66	67	64	77	46	.660	.605	0.55	.41	3.2	2.7	2.9
July	29.480	29.721	29.288	73.9	82.3	88.3	71.5	79.9	95	63	70	69	89	66	.750	.710	3.72	1.58	7.6	6.1	6.1
August	29.413	29.526	29.263	74.5	86.4	92.5	72.8	82.6	100	60	71	68	88	56	.755	.684	3.01	2.88	6.4	4.1	4.5
September	29.475	29.608	29.309	73.3	86.2	92.5	72.3	82.4	96	65	71	67	93	54	.764	.663	.59	.40	3.9	2.9	3.6
October	29.513	29.747	29.251	59.3	70.4	76.1	57.7	66.9	94	38	56	54	88	59	.480	.450	3.04	1.84	5.2	3.3	4.8
November	29.611	30.065	29.163	46.7	56.2	63.1	42.3	52.7	85	21	38	37	73	51	.282	.272	2.35	1.21	5.5	4.3	4.8
December	29.561	29.974	29.206	42.6	49.9	55.5	39.7	47.6	72	22	37	39	84	70	.245	.260	6.68	1.37	6.1	5.6	6.4
Year	29.514	30.218	29.091	60.6	71.1	76.7	58.1	67.4	100	9	56	54	85	59	.504	.474	37.24	2.88	5.9	4.7	5.0

PARKERSBURG, W. VA.

[ϕ=39° 16′ N.; λ=81° 36′ W.]

January	29.541	30.021	28.913	35.0	38.8	46.3	30.2	38.2	64	11	31	32	86	80	0.193	0.203	4.39	0.82	8.4	7.0	7.8
February	29.492	29.879	29.073	34.9	39.9	46.9	31.4	39.2	72	18	31	34	84	79	.177	.203	1.65	0.50	8.4	5.6	6.7
March	29.403	29.899	28.742	36.9	43.7	51.2	31.7	41.4	73	10	31	32	81	66	.181	.189	1.99	0.59	6.7	5.4	6.2
April	29.467	29.928	28.924	46.1	54.3	60.4	42.0	51.2	82	21	40	46	79	76	.257	.327	4.01	0.89	6.5	6.1	5.8
May	29.430	29.764	29.026	62.1	73.0	81.5	56.7	69.1	94	35	54	58	74	61	.436	.503	1.77	0.53	3.7	2.4	3.3
June	29.344	29.576	29.073	67.8	76.9	83.3	64.3	73.8	97	58	60	62	78	62	.534	.567	2.73	1.26	5.4	4.1	4.6
July	29.412	29.607	29.081	70.1	79.5	88.2	64.9	76.6	102	54	62	64	77	62	.575	.619	1.63	0.61	4.4	5.0	4.3
August	29.382	29.544	29.243	69.6	78.0	86.1	66.2	76.2	98	52	64	66	83	68	.598	.644	5.79	2.07	5.1	6.1	5.5
September	29.431	29.639	29.190	64.7	71.5	79.9	60.9	70.4	90	48	61	64	87	78	.543	.604	3.89	1.73	5.1	4.1	6.1
October	29.441	29.800	29.054	50.9	57.2	65.7	47.6	56.6	83	33	47	52	88	82	.342	.398	4.45	1.74	5.8	4.5	7.1
November	29.445	30.044	28.948	36.6	41.5	49.1	32.4	40.8	72	15	32	34	82	76	.188	.214	2.91	0.82	7.7	5.6	7.4
December	29.526	29.923	28.970	36.0	40.9	48.0	32.6	40.3	70	18	33	35	88	80	.198	.214	3.25	0.70	7.9	6.9	7.5
Year	29.443	30.044	28.742	50.9	57.9	65.6	46.7	56.2	102	10	46	48	82	72	.352	.390	38.46	2.07	6.3	5.2	6.0

PENSACOLA, FLA.

[ϕ=30° 25′ N.; λ=87° 13′ W.]

January	30.198	30.457	29.958	52.5	.....	64.2	50.2	57.2	73	18	49	....	88	.....	0.377	.....	1.80	1.80	5.5	.....	4.8
February	30.109	30.463	29.871	56.5	.....	66.6	54.5	60.6	77	30	51	....	82	.....	.418	.....	.38	.24	5.5	.....	5.4
March	30.052	30.267	29.740	58.9	.....	70.4	57.1	63.8	79	45	51	....	79	.....	.412	.....	2.95	1.72	3.6	.....	4.0
April	29.992	30.205	29.818	64.9	.....	73.5	62.7	68.1	85	54	58	....	82	.....	.513	.....	9.96	3.41	7.6	.....	6.6
May	29.978	30.203	29.827	71.3	.....	81.2	68.5	74.8	92	57	63	....	76	.....	.598	.....	2.12	.71	3.8	.....	3.3
June	29.940	30.096	29.821	80.0	.....	86.4	76.4	81.4	95	70	72	....	79	.....	.805	.....	3.74	1.63	4.4	.....	5.3
July	30.013	30.134	29.915	77.8	.....	85.0	74.2	79.6	89	68	70	....	79	.....	.754	.....	2.65	.79	6.4	.....	6.5
August	29.916	30.043	29.674	77.4	.....	86.8	74.2	80.5	96	71	73	....	85	.....	.802	.....	7.21	4.48	4.7	.....	5.5
September	29.996	30.117	29.927	78.4	.....	87.6	75.8	81.7	94	69	73	....	85	.....	.813	.....	2.60	1.12	3.8	.....	4.6
October	29.956	30.176	29.733	68.8	.....	79.5	66.7	73.1	88	46	63	....	83	.....	.612	.....	8.63	5.16	5.0	.....	5.6
November	30.069	30.500	29.662	53.2	.....	67.1	49.5	58.3	80	25	46	....	78	.....	.352	.....	3.96	2.83	6.2	.....	5.1
December	30.065	30.445	29.703	53.6	.....	63.7	51.0	57.4	71	33	49	....	84	.....	.379	.....	8.70	4.32	6.8	.....	6.6
Year	30.024	30.500	29.662	66.1	.....	76.0	63.4	69.7	96	18	60	....	82	.....	.570	.....	54.72	5.16	5.2	.....	5.8

Annual meteorological summary for the year ending December 31, 1911—Continued.

OSWEGO, N. Y.

[H=335 ft.; h_t=76 ft.; h_r=68 ft.; h_n=91 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Aurora.
	Miles.		*Mi.*																									
January	13.2	S.	48	NW.	2	4	4	1	8	19	10	4	11	1	2	6	23	12	7	18	4	0	2	10	0	26	0	1
February	13.6	NW.	38	SW.	0	5	4	6	8	10	4	6	13	0	1	9	18	17	13	22	15	0	0	13	0	26	1	0
March	14.3	S.	40	NW.	1	7	4	3	6	16	6	6	14	0	7	5	19	15	11	20	12	0	0	9	0	27	1	0
April	10.9	S.	33	NW.	0	2	6	5	6	14	4	10	11	0	11	5	14	10	8	6	4	0	0	3	0	9	0	1
May	8.7	SW.	32	SW.	0	1	3	3	6	14	16	12	7	0	15	11	5	8	8	2	0	0	1	0	1	3	7	0
June	8.3	W.	32	NW.	0	6	3	3	9	9	6	17	7	0	4	18	8	11	8	0	0	1	0	0	0	0	8	0
July	7.5	W.	43	N.	1	0	2	4	8	10	11	17	4	0	12	15	4	7	6	0	0	0	0	0	3	0	6	0
August	7.6	S.	26	N.	0	3	3	4	10	22	9	4	6	1	7	12	12	11	10	0	0	1	0	0	1	0	6	0
September	8.4	S.	30	NE.	0	6	8	1	11	20	1	9	4	0	16	4	10	12	7	0	0	0	2	0	0	0	2	0
October	9.8	SE.	35	NW.	0	0	8	2	16	13	7	7	9	0	9	7	15	11	9	1	0	1	2	0	0	1	2	1
November	14.7	S.	48	SW.	2	4	2	0	9	17	12	7	9	0	1	6	23	19	14	17	14	0	0	2	0	17	0	0
December	12.1	S.	42	NW.	2	2	3	2	9	21	6	6	13	0	5	4	22	17	13	15	8	0	0	7	0	15	0	0
Year	10.8	S.	48	NW.	8	40	52	34	106	191	92	105	108	2	90	102	173	150	114	101	57	3	7	44	5	124	33	3

PALESTINE, TEX.

[H=510 ft.; h_t=73 ft.; h_r=68 ft.; h_n=79 ft.]

January	9.4	S.	27	S.	0	7	7	3	6	23	12	0	4	0	8	13	10	6	4	2	0	0	3	1	0	4	0	0
February	9.7	S.	37	W.	0	7	8	5	8	14	5	2	7	0	5	9	14	10	9	0	0	0	2	0	0	4	3	0
March	8.3	S.	28	S.	0	8	14	2	6	15	11	3	4	0	12	10	9	5	5	0	0	0	0	0	1	0	2	0
April	8.6	S.	32	W.	0	4	13	5	9	17	5	2	4	1	8	8	14	17	12	0	0	1	0	0	0	0	10	0
May	6.8	S.	35	S.	0	3	8	5	14	22	8	0	2	0	17	11	3	3	2	0	0	1	0	0	2	0	5	0
June	7.7	S.	36	NW.	0	4	7	1	4	24	19	1	0	0	21	7	2	4	3	0	0	1	0	0	25	0	4	0
July	7.1	S.	38	N.	0	1	6	2	12	29	12	0	0	0	4	19	8	12	10	0	0	0	0	0	9	0	12	0
August	7.4	S.	31	NE.	0	1	8	11	10	17	13	0	2	0	12	14	5	5	2	0	0	0	0	0	23	0	5	0
September	6.4	S.	24	S.	0	0	5	2	19	25	9	0	0	0	17	12	1	2	2	0	0	0	0	0	25	0	4	0
October	6.9	NE.	22	NW.	0	13	15	4	7	14	2	1	5	1	14	8	9	8	5	0	0	0	0	0	6	0	3	0
November	9.3	S.	42	NW.	1	5	12	3	7	13	12	1	7	0	12	6	12	7	7	0	0	0	1	0	0	7	0	0
December	7.7	NE.	30	NW.	0	8	11	11	8	5	6	3	10	0	9	4	18	13	12	0	0	0	1	0	0	4	0	0
Year	7.9	S.	42	NW.	1	61	114	54	109	218	114	13	45	2	139	121	105	92	73	2	0	3	7	1	91	19	48	0

PARKERSBURG, W. VA.

[H=638 ft.; h_t=77 ft.; h_r=70 ft.; h_n=84 ft.]

January	7.5	S.	37	NW.	0	8	2	2	3	20	11	5	11	0	5	6	20	15	14	8	5	0	0	6	0	20	0	0
February	6.9	NW.	26	NW.	0	4	6	3	1	11	10	6	15	0	6	7	15	11	8	7	4	0	0	2	0	14	0	0
March	8.1	S.	36	NW.	0	8	6	6	6	10	9	9	8	0	10	7	14	15	11	6	4	0	0	1	0	16	2	0
April	7.4	N.	40	S.	1	14	6	1	11	9	6	6	7	0	11	7	12	18	12	3	2	1	0	0	0	2	4	0
May	4.7	S.	36	SE.	0	11	8	5	6	12	8	7	5	0	21	6	4	6	4	0	0	1	0	0	10	0	7	0
June	5.0	SW.	28	W.	0	9	7	6	3	11	11	6	7	0	13	11	6	12	8	0	0	1	0	0	4	0	10	0
July	4.7	SW.	34	NW.	0	7	7	8	5	11	11	10	3	0	14	13	4	6	5	0	0	0	0	0	12	0	8	0
August	4.5	N.	24	W.	0	16	6	2	5	13	8	8	4	0	10	11	10	15	11	0	0	0	0	0	15	0	8	0
September	4.1	SW.	26	NW.	0	11	8	7	4	7	12	6	4	1	6	11	13	14	13	0	0	0	0	0	1	0	6	0
October	4.2	N.	23	W.	0	12	7	6	10	6	7	10	4	0	8	5	18	11	10	0	0	0	5	0	0	0	3	0
November	7.5	S.	38	NW.	0	2	0	5	7	16	11	10	9	0	6	6	18	10	8	5	4	0	0	2	0	14	0	0
December	5.6	SE.	31	W.	0	5	4	6	14	11	4	11	7	0	7	3	21	16	14	5	3	0	0	2	0	15	0	0
Year	5.8	S.	40	S.	1	107	67	57	75	137	108	94	84	1	117	93	155	149	118	34	22	3	5	13	42	81	48	0

PENSACOLA, FLA.

[H=56 ft.; h_t=140 ft.; h_r=131 ft.; h_n=183 ft.]

January	12.0	NE.	39	NW.	0	5	9	6	2	2	3	1	3	0	9	14	8	2	2	0	0	0	9	0	0	3	1	0
February	13.0	S.	60	S.	1	3	6	3	6	1	4	1	4	0	8	14	6	4	2	0	0	0	5	0	0	2	0	0
March	13.8	S.	53	E.	2	5	5	4	3	1	1	9	3	0	15	8	8	5	3	0	0	0	4	0	0	0	2	0
April	14.6	SE.	68	E.	4	2	7	9	5	3	1	1	2	0	3	14	13	7	6	0	0	0	3	0	0	0	4	0
May	10.7	S.	37	S.	0	3	9	3	3	3	0	2	8	0	16	13	2	7	5	0	0	0	0	0	0	4	5	0
June	11.0	SW.	50	E.	2	4	2	0	0	5	8	7	4	0	10	9	11	9	7	0	0	0	0	0	0	4	15	0
July	9.8	SW.	39	SW.	0	5	9	0	2	3	2	7	3	0	5	12	14	12	12	0	0	0	0	0	0	0	12	0
August	11.0	NW.	80	SE.	4	6	9	2	2	2	0	2	8	0	8	14	9	17	11	0	0	0	0	0	0	5	13	0
September	8.5	S.	31	E.	0	12	8	1	1	1	0	2	5	0	13	11	6	7	7	0	0	0	0	0	4	0	12	0
October	11.1	NE.	37	S.	0	8	12	3	0	1	0	2	5	0	13	5	13	10	7	0	0	0	1	0	0	0	6	0
November	14.0	N.	56	NW.	2	7	8	6	1	0	1	1	5	1	12	9	9	11	4	0	0	0	2	0	0	4	2	0
December	14.6	E.	80	SE.	2	3	9	8	2	3	0	2	4	0	8	4	19	12	8	0	0	1	4	0	0	0	2	0
Year	12.0	NE.	80	SE.	17	63	93	45	27	25	20	37	54	1	120	127	118	103	74	0	0	1	28	0	17	9	74	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

PEORIA, ILL.

[ϕ=40° 43′ N.; λ=89° 36′ W.]

Month.	Pressure.			Temperature.							Moisture.									Cloudiness		
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.					
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.		8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	29.482	29.900	28.845	24.3	29.4	35.7	19.0	27.4	56	−5	20	24	85	80	0.126	0.139	2.37	1.23		8.0	6.3	7.6
February	29.481	30.034	28.804	28.2	34.5	40.2	24.3	32.2	63	5	24	27	84	74	.142	.159	2.39	.69		6.1	6.2	6.0
March	29.388	29.848	28.839	31.8	43.0	51.2	29.3	40.2	76	13	26	30	79	60	.146	.177	2.64	1.28		4.4	4.4	4.7
April	29.395	29.883	28.744	43.4	51.9	57.5	39.2	48.4	72	22	37	40	78	66	.234	.266	2.69	.63		5.3	6.3	6.5
May	29.364	29.762	28.864	60.5	73.1	81.3	55.1	68.2	95	30	52	51	74	48	.414	.405	1.03	.76		4.0	4.2	4.5
June	29.296	29.505	29.042	68.8	81.4	87.6	63.4	75.5	100	51	61	62	77	54	.543	.565	6.64	4.74		4.1	3.7	4.6
July	29.360	29.567	28.953	68.5	81.7	87.1	63.0	75.0	100	46	61	60	78	50	.555	.545	2.58	1.03		3.5	3.2	5.0
August	29.366	29.617	29.160	64.4	75.8	84.0	60.1	72.0	95	47	60	62	88	62	.542	.566	1.73	.52		5.2	4.4	5.3
September	29.383	29.670	29.167	61.1	69.5	78.1	57.6	67.8	95	44	59	62	92	77	.505	.559	12.30	3.37		6.8	5.5	6.4
October	29.411	29.756	28.998	46.1	51.8	61.3	41.4	51.4	86	25	43	44	90	77	.296	.311	2.65	1.49		6.8	5.5	6.7
November	29.375	30.154	28.736	30.0	34.0	42.1	24.5	33.3	77	6	26	27	83	76	.154	.158	3.01	1.40		5.9	5.6	6.4
December	29.460	29.983	28.840	29.8	33.6	40.2	25.8	33.0	61	3	26	29	86	82	.150	.163	2.13	.58		5.9	4.5	6.1
Year	29.396	30.154	28.736	46.4	55.0	62.2	41.9	52.0	100	−5	41	43	83	67	.317	.334	42.16	4.74		5.5	5.0	5.8

PHILADELPHIA, PA.

[ϕ=39° 57′ N.; λ=75° 9′ W.]

January	30.060	30.615	29.290	34.2	38.3	44.1	30.1	37.1	56	17	27	29	73	68	0.157	0.171	3.22	1.02		6.7	5.5	6.9
February	30.010	30.520	29.555	31.8	36.1	40.8	28.9	34.8	63	17	25	25	74	63	.136	.135	2.69	1.24		6.5	6.1	6.5
March	29.913	30.515	29.000	35.0	41.3	48.2	31.9	40.0	69	17	25	27	67	58	.143	.157	2.72	1.28		5.5	4.3	5.5
April	30.024	30.525	29.390	45.9	51.8	58.4	41.5	50.0	76	28	36	38	69	61	.222	.244	3.68	1.45		5.7	5.3	6.1
May	29.929	30.259	29.387	63.4	69.3	78.6	57.2	67.9	94	40	50	51	65	55	.393	.408	1.68	.86		4.7	5.0	4.0
June	29.825	30.083	29.528	68.1	72.5	80.1	63.0	71.6	93	55	58	59	71	65	.487	.515	5.10	1.11		5.5	6.8	5.7
July	29.897	30.138	29.540	75.2	79.2	87.0	70.0	78.5	99	64	65	64	71	61	.623	.612	4.19	2.06		5.1	5.3	5.2
August	29.912	30.100	29.617	71.0	74.2	82.3	66.7	74.5	94	57	64	64	79	72	.598	.609	12.10	4.93		5.9	5.1	5.9
September	29.949	30.241	29.572	64.9	69.5	75.9	61.2	68.6	86	46	60	61	84	76	.525	.559	2.52	1.13		5.9	3.9	5.4
October	29.970	30.407	29.587	53.1	58.1	64.4	50.3	57.4	76	41	45	48	77	71	.318	.356	4.20	.96		5.7	5.6	6.2
November	29.945	30.485	29.244	41.1	44.1	51.0	36.0	43.5	71	26	33	32	72	62	.202	.194	5.58	1.31		6.6	4.6	6.1
December	30.054	30.461	29.408	39.0	42.4	47.7	35.3	41.5	63	24	31	31	74	66	.184	.188	3.67	1.09		6.6	4.4	6.4
Year	29.957	30.615	29.000	51.9	56.4	63.2	47.7	55.4	99	17	43	44	73	65	.332	.346	51.35	4.93		5.9	5.2	5.8

PHOENIX, ARIZ.

[ϕ=33° 28′ N.; λ=112° 0′ W.]

January	28.915	29.235	28.612	46.5	62.8	66.8	43.6	55.2	76	25	41	46	80	56	0.273	0.329	1.14	0.93		4.5	5.4	4.7
February	28.805	29.209	28.577	44.8	61.4	68.9	42.0	53.0	75	31	39	42	80	50	.241	.273	.66	.60		3.8	4.1	3.9
March	28.816	29.047	28.587	52.2	74.5	77.2	49.9	63.6	88	42	42	47	70	40	.276	.321	.64	.49		3.4	4.5	3.8
April	28.686	28.862	28.414	64.6	79.9	82.0	52.6	67.3	90	43	34	37	48	24	.206	.229	.02	.02		2.2	2.3	2.1
May	28.646	28.783	28.452	59.6	87.9	90.4	57.8	74.1	99	49	30	27	34	12	.171	.154	0	0		2.2	2.1	1.9
June	28.636	28.796	28.383	71.4	96.5	98.9	68.8	83.8	104	58	40	42	33	17	.260	.283	T.	T.		3.5	3.3	3.0
July	28.686	28.843	28.488	76.8	94.7	97.9	74.2	86.0	109	65	66	61	71	36	.648	.543	6.47	4.98		5.9	5.7	4.8
August	28.656	28.795	28.493	76.2	99.9	101.4	74.0	87.7	108	66	59	55	57	24	.515	.437	1.68	.68		3.0	3.5	2.8
September	28.682	28.836	28.488	73.0	91.3	96.0	70.6	83.3	106	64	59	58	63	35	.508	.496	1.16	.45		3.2	4.9	3.9
October	28.730	28.892	28.439	58.0	78.8	83.1	55.0	69.0	94	47	44	46	64	37	.313	.332	2.24	1.23		1.7	2.7	2.2
November	28.862	29.260	28.579	47.5	66.5	72.2	42.9	57.6	80	30	33	36	59	34	.203	.226	T.	T.		1.0	2.1	1.5
December	28.839	29.112	28.534	35.8	54.8	60.5	32.8	46.6	80	22	25	30	67	41	.135	.166	.11	.06		1.5	2.8	2.5
Year	28.747	29.260	28.383	58.0	79.1	82.5	55.4	68.9	109	22	43	44	60	34	.312	.316	14.12	4.98		3.0	3.6	3.1

PIERRE, S. DAK.

[ϕ=44° 22′ N.; λ=100° 21′ W.]

January	28.364	28.924	27.785	10.6	21.6	31.2	5.3	18.2	63	−20	6	14	79	74	0.061	0.096	0.05	0.01		4.5	5.1	5.6
February	28.494	29.201	27.821	12.4	26.4	33.0	9.5	21.2	58	− 3	7	16	76	64	.059	.091	.55	.36		2.8	4.6	3.7
March	28.335	29.010	27.812	32.0	49.4	55.3	28.6	42.0	82	8	20	19	62	33	.110	.103	.19	.08		4.0	3.6	4.7
April	28.323	28.773	27.946	37.0	54.0	58.4	35.6	47.0	81	19	28	26	69	41	.157	.148	1.35	.64		5.0	5.3	5.5
May	28.247	28.696	27.695	51.6	69.7	74.9	49.1	62.0	96	26	43	42	73	41	.291	.289	1.66	.67		4.1	4.6	4.8
June	28.223	28.577	27.855	66.6	85.4	89.6	63.5	76.6	102	51	53	50	63	31	.406	.372	.87	.60		3.9	4.4	3.8
July	28.319	28.694	27.886	63.8	81.8	86.0	59.8	72.9	99	47	51	46	65	32	.384	.326	1.52	.48		3.3	3.3	3.7
August	28.346	28.730	27.954	60.1	75.7	80.3	58.6	69.4	104	39	54	52	80	48	.424	.410	2.20	1.00		5.5	4.7	5.2
September	28.334	28.595	28.026	54.1	68.9	74.0	52.6	63.3	96	41	47	48	77	52	.332	.362	2.79	1.57		5.3	4.9	5.2
October	28.418	28.862	27.873	40.2	49.3	55.2	38.3	46.8	77	19	35	37	80	64	.214	.236	.48	.20		4.8	4.4	5.3
November	28.390	29.166	27.885	20.1	28.6	36.2	16.6	26.4	60	− 3	13	18	70	64	.081	.101	.47	.26		4.4	5.2	5.3
December	28.385	28.741	27.728	18.3	24.1	30.3	15.2	22.8	52	−15	12	16	73	69	.090	.097	.54	.30		6.0	3.8	5.9
Year	28.348	29.201	27.695	38.9	52.9	58.7	36.1	47.4	104	−20	31	32	72	51	.217	.219	12.67	1.57		4.5	4.5	4.9

Annual meteorological summary for the year ending December 31, 1911—Continued.

PEORIA, ILL.

[H=609 ft.; h_t=11 ft.; h_r=4 ft.; h_a=45 ft.]

Month.	Wind.														Number of days.														
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	8.9	S.	41	W.	1	4	5	1	5	20	7	7	11	2	2	12	17	9	7	11	3	0	5	11	0	28	1	0
February	9.2	N.	34	E.	0	9	3	5	6	7	2	10	14	0	9	5	14	11	10	6	4	0	0	9	0	22	0	0
March	10.0	S.	39	W.	0	8	6	4	5	15	4	8	12	0	13	11	7	8	4	3	1	0	1	1	0	21	2	0
April	8.9	SE.	34	W.	0	5	11	7	14	8	1	7	7	0	8	8	14	11	10	1	1	0	0	0	0	7	5	0
May	7.8	S.	28	S.	0	3	4	4	5	23	12	7	3	1	13	10	8	7	4	0	0	0	0	0	7	2	7	0
June	6.2	S.	36	SW.	0	0	12	4	12	16	3	4	9	0	13	12	5	7	5	0	0	0	0	0	11	0	11	0
July	5.8	S.	25	W.	0	7	2	3	5	24	7	8	5	1	10	18	3	7	5	0	0	0	0	0	11	0	8	0
August	5.3	S.	29	N.	0	6	13	5	9	16	4	1	6	2	7	18	6	9	7	0	0	0	1	0	5	0	6	0
September	5.9	S.	24	SW.	0	12	12	5	11	8	2	3	4	3	5	11	14	20	17	0	0	1	1	0	3	0	15	0
October	6.2	N.	25	SW.	0	12	13	5	6	8	7	7	4	0	5	11	15	11	9	2	0	0	0	0	0	6	2	0
November	9.9	S.	37	SW.	0	2	0	2	11	11	8	9	16	1	8	8	14	11	7	7	4	1	1	5	0	26	3	0
December	8.4	S.	39	SW.	0	4	7	6	5	17	8	11	4	0	7	13	11	10	6	7	2	0	4	3	0	25	0	0
Year	7.7	S.	41	W.	1	72	88	51	94	173	65	82	95	10	100	137	128	121	91	37	15	3	13	29	37	137	60	0

PHILADELPHIA, PA.

[H=117 ft.; h_t=123 ft.; h_r=114 ft.; h_a=184 ft.]

January	9.7	NW.	36	NW.	0	6	4	2	5	4	14	6	21	0	8	6	17	15	10	6	3	0	2	2	0	15	0	0
February	10.7	NW.	32	NW.	0	4	15	2	0	2	12	4	17	0	8	5	15	12	8	9	7	0	0	4	0	22	1	0
March	12.2	NW.	48	NW.	1	8	9	2	3	7	10	9	14	0	10	9	12	11	10	9	5	0	0	1	0	14	2	0
April	10.6	NW.	36	N.	0	10	5	4	8	7	10	3	13	0	8	10	12	11	10	7	1	0	1	0	0	3	0	0
May	8.7	NE.	28	NW.	0	5	10	7	9	11	9	4	7	0	15	9	7	7	5	0	0	0	0	0	3	0	5	0
June	9.2	NW.	45	SW.	1	6	12	9	4	2	9	5	13	0	10	10	10	14	14	0	0	1	0	0	2	0	6	0
July	7.7	SW.	24	SW.	0	7	4	8	8	6	12	8	9	0	6	17	8	9	7	0	0	0	0	0	10	0	9	0
August	8.3	SE.	38	S.	0	3	12	8	13	6	11	1	8	0	10	7	14	14	14	0	0	0	0	0	3	0	13	0
September	8.5	N.	26	N.	0	18	7	8	5	4	9	2	7	0	9	16	5	7	7	0	0	0	1	0	0	0	1	0
October	8.3	N.	33	SW.	0	14	13	2	4	10	7	2	10	0	8	9	14	13	11	0	0	0	2	0	0	0	0	0
November	10.4	NW.	37	S.	0	5	4	1	5	8	7	12	18	0	7	11	12	11	9	1	0	0	1	0	0	7	0	0
December	9.2	NW.	36	NW.	0	9	8	5	1	7	8	10	14	0	9	7	15	10	10	5	2	0	1	0	0	7	0	0
Year	9.5	NW.	48	NW.	2	95	103	58	65	74	118	66	151	0	108	116	141	134	115	37	18	1	8	7	18	68	37	0

PHOENIX, ARIZ.

[H=1,108 ft.; h_t=50 ft.; h_r=41 ft.; h_a=56 ft.]

January	3.2	E.	19	N.	0	2	5	19	2	5	6	15	7	1	12	15	4	9	4	0	0	0	2	0	0	5	0	0
February	4.1	E.	29	SE.	0	4	4	16	3	1	7	10	11	0	15	9	4	5	2	0	0	1	0	0	0	1	1	0
March	3.7	E.	17	W.	0	8	5	22	2	2	2	10	11	0	17	12	2	6	3	0	0	0	0	0	0	0	0	0
April	4.9	E.	17	S.	0	3	5	21	1	1	13	6	10	0	20	10	0	1	0	0	0	0	0	0	1	0	1	0
May	4.8	E.	33	SW.	0	2	3	24	2	1	6	10	14	0	23	8	0	0	0	0	0	0	0	0	19	0	0	0
June	4.7	E.	26	E.	0	7	7	21	5	0	1	7	12	0	16	13	1	0	0	0	0	0	0	0	28	0	3	0
July	2.9	E.	27	SW.	0	7	6	16	10	4	5	7	6	1	9	19	3	9	8	0	0	0	0	0	29	0	11	0
August	2.5	E.	21	S.	0	2	8	21	6	2	4	14	5	0	21	9	1	6	4	0	0	0	0	0	30	0	9	0
September	1.9	E.	38	W.	0	3	5	28	2	2	3	10	7	0	14	13	3	6	4	0	0	0	0	0	26	0	7	0
October	3.6	E.	17	NE.	0	6	5	23	7	2	7	6	6	0	20	8	3	5	5	0	0	0	0	0	3	0	3	0
November	3.8	E.	22	NW.	0	8	5	20	6	2	4	5	10	0	24	4	2	0	0	0	0	0	0	0	0	1	0	0
December	3.5	E.	22	NW.	0	4	8	19	4	2	7	8	10	0	21	8	2	3	2	1	0	0	1	0	0	18	0	0
Year	3.6	E.	38	W.	0	56	66	250	50	24	65	108	109	2	212	128	25	50	32	1	0	1	3	0	136	25	35	0

PIERRE, S. DAK.

[H=1,572 ft.; h_t=70 ft.; h_r=63 ft.; h_a=75 ft.]

January	10.0	E.	46	NW.	5	6	12	18	7	2	1	5	11	0	11	7	13	5	0	12	4	0	0	15	0	31	0	0
February	8.8	NW.	42	NW.	1	9	3	16	2	2	3	4	17	0	12	14	2	3	3	5	3	0	0	12	0	28	0	0
March	12.0	NW.	58	N.	5	12	5	9	8	4	9	5	10	0	11	16	4	5	2	5	3	0	0	1	0	21	0	0
April	13.2	E.	48	NW.	3	8	5	14	14	0	8	1	10	0	10	8	12	4	4	2	2	0	0	0	0	13	1	0
May	12.6	SE.	43	NW.	1	5	1	11	18	3	4	4	16	0	12	12	7	10	8	0	0	0	1	1	0	3	2	7
June	12.4	SE.	48	W.	1	5	6	10	19	2	2	2	14	0	12	17	1	6	2	0	0	0	0	0	16	0	9	0
July	10.2	NW.	50	W.	3	15	6	14	9	3	4	3	8	0	16	11	4	11	5	0	0	0	0	0	10	0	8	0
August	9.7	E.	42	SE.	1	4	8	13	15	0	8	5	9	0	8	14	9	7	7	0	0	0	1	0	0	7	6	0
September	9.6	SE.	37	E.	0	5	12	17	12	0	1	4	9	0	10	12	8	10	4	0	0	0	1	2	0	1	6	0
October	8.9	NW.	54	W.	1	8	10	10	7	1	9	7	10	0	11	7	13	8	2	3	2	0	0	3	0	8	1	0
November	11.1	NW.	40	NW.	1	5	8	8	7	2	3	4	23	0	11	10	9	5	3	8	4	0	0	11	0	29	0	0
December	8.3	NW.	37	NW.	0	6	7	8	10	2	6	8	15	0	9	11	11	9	4	14	9	0	0	15	0	31	0	0
Year	10.6	NW.	58	N.	22	88	83	148	128	21	58	52	152	0	133	139	93	83	44	49	27	3	6	54	37	163	38	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

PITTSBURGH, PA.

[ϕ=40° 32′ N.; λ=80° 02′ W.

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.249	29.752	28.638	33.1	36.7	43.1	27.4	35.2	60	9	29	28	84	72	0.178	0.169	3.30	0.61	8.7	6.5	7.4
February	29.193	29.548	28.766	32.3	36.7	42.9	27.7	35.3	64	14	28	30	83	75	.160	.173	1.98	.56	7.3	7.5	7.5
March	29.118	29.653	28.428	34.2	38.5	46.4	27.8	37.1	66	4	26	25	71	61	.147	.138	1.90	.30	5.6	5.1	5.6
April	29.195	29.662	28.615	44.7	51.5	56.3	39.9	48.1	78	22	35	36	70	59	.216	.227	5.42	.68	6.7	6.4	6.3
May	29.157	29.511	28.639	63.2	71.9	78.7	57.2	68.0	93	34	50	49	64	46	.386	.372	.42	.28	3.1	2.5	3.3
June	29.069	29.314	28.793	67.4	73.8	80.2	61.7	71.0	94	55	59	57	73	58	.501	.472	2.63	.56	4.9	4.3	5.1
July	29.140	29.367	28.761	71.1	80.0	85.7	65.1	75.4	100	54	60	57	69	46	.529	.478	2.17	1.12	3.2	4.1	4.3
August	29.129	29.297	28.966	69.1	75.7	82.4	65.1	73.8	97	51	62	62	79	64	.567	.564	6.30	2.33	5.7	5.0	5.5
September	29.166	29.414	28.859	63.1	70.3	76.9	59.1	68.0	86	45	57	59	82	68	.481	.508	6.36	2.38	5.1	3.5	5.0
October	29.178	29.529	28.724	49.5	56.4	62.5	45.9	54.2	77	29	44	46	83	70	.301	.327	4.94	1.83	6.1	4.0	6.2
November	29.142	29.742	28.577	36.8	39.9	46.4	32.2	39.3	69	13	29	30	72	68	.164	.177	2.02	.58	7.8	5.7	7.7
December	29.244	29.624	28.706	36.2	40.4	45.7	32.5	39.1	66	14	31	32	81	74	.182	.193	3.79	.70	7.5	8.4	7.7
Year	29.165	29.752	28.428	50.1	56.0	62.3	45.1	53.7	100	4	42	43	76	63	.318	.316	41.23	2.38	6.0	5.2	6.0

POCATELLO, IDAHO.

[ϕ=42° 52′ N.; λ=112° 29′ W.]

January	25.461	25.921	24.862	28.7	32.6	38.7	21.7	30.2	52	− 6	22	24	76	70	0.127	0.132	4.28	1.46	6.1	6.9	7.0
February	25.479	25.918	25.117	18.3	28.1	32.7	13.7	23.2	45	− 2	12	18	76	65	.078	.097	1.50	.35	4.6	6.0	5.4
March	25.540	25.889	25.187	31.8	47.8	51.6	29.3	40.4	68	8	25	27	74	46	.133	.145	1.12	.52	3.4	4.3	3.8
April	25.413	25.882	25.053	35.6	50.7	54.6	33.1	43.8	73	20	25	24	66	41	.136	.133	1.58	.51	5.4	5.8	5.1
May	25.385	25.743	25.070	42.3	60.7	64.7	39.7	52.2	81	31	33	28	70	33	.190	.151	1.62	.45	5.4	6.0	4.9
June	25.401	25.733	25.203	53.6	70.6	75.5	50.3	62.9	92	34	43	42	70	40	.290	.276	3.13	.90	4.4	6.8	5.0
July	25.527	25.701	25.196	56.4	81.7	84.8	54.4	69.6	93	41	41	35	57	20	.260	.211	.47	.42	2.1	2.6	2.5
August	25.470	25.694	25.245	53.6	82.1	84.7	51.9	68.3	94	41	32	38	44	15	.179	.155	.01	.01	1.1	2.7	1.9
September	25.468	25.724	25.208	48.7	68.9	72.9	45.3	59.1	90	31	33	29	57	24	.196	.165	.60	.32	4.7	5.0	4.7
October	25.541	25.854	25.220	35.8	50.3	57.6	32.0	44.8	73	20	27	27	71	42	.151	.151	1.74	.72	2.9	3.8	3.5
November	25.566	25.975	24.947	28.5	34.9	40.9	24.1	32.5	53	5	22	24	74	64	.122	.131	2.02	.43	4.6	5.8	5.8
December	25.494	25.881	25.064	21.2	27.4	32.6	17.5	25.0	51	5	16	18	78	68	.087	.096	.41	.10	6.1	6.7	6.0
Year	25.484	25.975	24.862	37.9	53.0	57.6	34.4	46.0	94	− 6	28	27	68	44	.162	.154	18.48	1.46	4.2	5.2	4.6

POINT REYES LIGHT, CAL.

[ϕ=38° 11′ N.; λ=122° 51′ W.]

January	29.483	29.828	29.146	.....	50.2	54.3	45.7	50.0	67	41	....	45	....	85	.....	0.305	7.00	1.24	.....	6.7	6.7
February	29.492	29.805	29.065	.....	48.5	51.5	43.7	47.6	57	37	....	43	....	82	.....	.281	2.24	.58	.....	4.9	4.7
March	29.484	29.669	29.081	.....	51.8	55.1	46.7	50.9	77	40	....	48	....	86	.....	.330	2.50	.58	.....	6.9	7.1
April	29.496	29.709	29.244	.....	50.6	52.8	46.0	49.4	65	42	....	46	....	85	.....	.313	.92	.75	.....	5.3	5.7
May	29.457	29.565	29.190	.....	52.5	54.3	47.0	50.6	76	45	....	48	....	85	.....	.331	.42	.17	.....	3.4	5.0
June	29.419	29.552	29.176	.....	51.9	53.7	47.6	50.6	58	46	....	49	....	90	.....	.346	.02	.02	.....	4.6	6.8
July	29.434	29.522	29.277	.....	53.6	55.3	49.2	52.2	62	47	....	52	....	94	.....	.382	T.	T.	.....	4.0	8.4
August	29.435	29.567	29.258	.....	53.9	55.1	49.8	52.4	58	47	....	52	....	93	.....	.388	.00	.00	.....	3.3	7.6
September	29.443	29.590	29.243	.....	57.1	59.0	51.5	55.2	71	47	....	52	....	95	.....	.394	T.	T.	.....	2.1	4.6
October	29.454	29.577	29.272	.....	56.8	61.9	51.7	56.8	87	48	....	52	....	85	.....	.385	.20	.14	.....	4.1	4.2
November	29.586	29.802	29.326	.....	53.6	59.6	49.6	54.6	73	43	....	47	....	82	.....	.330	.49	.21	.....	3.0	3.4
December	29.564	29.711	29.282	.....	50.3	54.4	46.6	50.5	70	38	....	46	....	86	.....	.313	1.83	.66	.....	5.2	4.5
Year	29.479	29.828	29.065	.....	52.6	55.6	47.9	51.7	87	37	....	48	....	86	.....	.342	15.62	1.24	.....	4.5	5.7

PORT CRESCENT, WASH.

[ϕ=48° 8′ N.; λ=123° 41′ W.]

January	29.630	30.251	28.817	.....	36.2	39.3	30.0	34.6	51	18	....	33	....	88	.....	0.190	5.84	1.02	.....	8.7	8.2
February	29.790	30.319	28.734	.....	40.3	42.4	29.6	36.0	48	23	....	33	....	77	.....	.190	1.82	.87	.....	6.3	6.0
March	29.829	30.175	29.350	.....	46.1	48.6	33.2	40.9	57	25	....	39	....	77	.....	.238	1.14	.37	.....	4.6	5.8
April	29.818	30.264	29.320	.....	46.2	48.9	31.4	40.2	62	27	....	38	....	73	.....	.228	1.75	.63	.....	4.7	4.9
May	29.729	30.219	28.909	.....	51.4	54.4	40.6	47.5	67	33	....	44	....	78	.....	.293	2.89	.75	.....	6.2	6.4
June	29.843	30.033	29.562	.....	53.5	57.2	42.1	49.6	70	35	....	47	....	80	.....	.324	1.07	.49	.....	4.9	5.5
July	29.838	30.083	29.544	.....	60.6	65.4	46.4	55.9	88	38	....	50	....	72	.....	.364	.18	.11	.....	3.0	4.3
August	29.825	29.967	29.625	.....	58.6	63.4	46.9	55.2	83	40	....	51	....	78	.....	.374	.42	.42	.....	4.8	5.2
September	29.775	30.042	29.451	.....	54.1	57.5	43.1	50.3	66	32	....	49	....	84	.....	.352	2.59	.93	.....	6.7	6.7
October	29.839	30.133	29.295	.....	51.7	54.5	38.4	46.4	62	30	....	45	....	80	.....	.305	1.11	.45	.....	6.4	6.3
November	29.780	30.255	29.107	.....	43.4	46.7	34.3	40.5	56	13	....	38	....	83	.....	.240	6.39	1.56	.....	8.5	7.9
December	29.790	30.291	29.148	.....	40.6	44.5	33.7	39.1	53	28	....	37	....	88	.....	.222	3.24	.98	.....	8.9	7.7
Year	27.790	30.319	28.734	.....	48.6	51.9	37.5	44.7	88	13	....	42	....	80	.....	.277	28.44	1.56	.....	6.1	6.2

Annual meteorological summary for the year ending December 31, 1911—Continued.

PITTSBURGH, PA.

[H=842 ft.; h_t=353 ft.; h_r=345 ft.; h_a=410 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	1.5	SW.	54	W.	3	4	2	4	4	6	15	13	14	0	7	3	21	16	13	10	6	1	5	5	0	20	1	0
February	13.4	NW.	42	SE.	2	4	3	7	5	0	9	11	17	0	4	7	17	13	7	11	6	0	3	4	0	20	0	0
March	15.3	W.	52	NW.	9	3	5	4	11	4	7	12	16	0	10	7	14	21	13	16	11	1	1	2	0	21	1	0
April	12.8	NW.	56	NW.	4	5	4	6	10	5	10	2	18	0	7	10	13	18	16	7	5	0	1	0	0	7	3	0
May	9.3	NW.	57	NW.	1	7	4	2	10	3	9	7	20	0	16	12	3	3	2	1	0	0	0	0	5	0	6	0
June	10.0	NW.	58	NW.	5	9	6	5	3	1	11	5	20	0	8	15	7	9	8	0	0	1	0	0	4	0	8	0
July	8.5	NW.	42	NW.	2	5	5	3	6	2	13	16	11	1	12	16	3	7	6	0	0	0	0	0	7	0	6	0
August	9.0	NW.	42	S.	1	6	7	5	10	7	6	8	12	0	10	10	11	13	11	0	0	0	0	0	5	0	8	0
September	9.2	NW.	44	NW.	1	8	5	7	6	1	13	4	16	0	10	13	7	13	10	0	0	0	2	0	0	0	9	0
October	9.3	NW.	50	NW.	2	6	6	9	12	2	6	6	13	2	9	8	14	14	14	0	0	0	6	0	0	1	1	0
November	15.0	W.	50	W.	4	0	1	4	9	3	11	19	13	0	2	8	20	11	10	12	5	0	0	1	0	16	0	0
December	11.1	SW.	51	W.	3	4	0	5	12	7	13	13	8	0	4	7	20	19	13	9	6	0	3	3	0	17	0	0
Year	11.2	NW.	58	NW.	37	61	48	61	98	41	123	116	179	3	99	116	150	157	123	66	39	3	21	15	21	102	43	0

POCATELLO, IDAHO.

[H=4,477 ft.; h_t=46 ft.; h_r=37 ft.; h_a=54 ft.]

January	11.3	SE.	40	SW.	1	1	1	4	21	8	11	7	9	0	6	5	20	14	12	12	5	0	1	7	0	22	2	0
February	6.9	SE.	42	SW.	1	0	1	1	17	5	10	15	6	1	11	5	12	9	7	11	9	0	0	15	0	27	0	0
March	8.2	SE.	40	W.	1	2	1	2	24	4	13	10	6	0	17	9	5	5	5	5	2	0	0	0	0	18	0	0
April	8.8	SW.	44	SW.	1	1	0	2	16	5	23	6	6	1	9	14	7	10	6	9	2	0	0	0	0	15	2	0
May	8.8	SE.	48	SW.	1	0	2	7	20	1	9	16	7	0	11	13	7	13	10	1	0	0	0	0	0	1	2	0
June	7.6	SE.	36	SW.	0	1	1	4	28	7	9	7	2	1	9	16	5	14	10	0	0	0	0	0	1	0	11	0
July	7.7	SE.	36	SW.	0	2	2	4	20	8	14	8	3	1	20	11	0	5	1	0	0	0	0	0	5	0	4	0
August	7.8	SE.	26	SW.	0	0	1	2	24	6	5	19	5	0	23	8	0	1	0	0	0	0	0	0	6	0	0	0
September	8.6	SE.	32	SW.	0	1	0	4	27	7	7	10	4	0	12	11	7	7	5	0	0	0	0	0	1	1	5	0
October	7.1	SE.	36	SW.	0	2	2	1	21	6	14	10	3	3	18	8	5	5	5	1	1	0	0	0	0	16	1	0
November	10.4	SE.	35	SW.	0	2	0	0	25	6	20	7	0	0	9	9	12	12	9	12	9	0	0	4	0	23	0	0
December	8.4	SE.	36	SE.	0	0	2	4	33	4	8	9	2	0	7	15	9	11	5	19	11	0	2	15	0	31	0	0
Year	8.5	SE.	48	SW.	5	12	13	35	276	67	143	124	53	7	152	124	89	106	75	70	39	0	3	41	13	154	27	0

POINT REYES LIGHT, CAL.

[H=490 ft.; h_t=7 ft.; h_r=3 ft.; h_a=18 ft.]

January	19.9	S.	62	SW.	14	3	3	1	2	11	2	2	7	0	8	6	17	18	16	0	0	0	12	0	0	0	0	0
February	21.0	NW.	83	NW.	13	3	0	0	1	5	0	4	15	0	14	3	11	12	9	1	0	1	3	0	0	0	2	0
March	22.3	NW.	76	S.	12	7	0	1	0	7	3	0	13	0	6	5	20	11	9	0	0	1	3	0	0	0	2	0
April	25.4	NW.	77	NW.	16	3	0	0	0	3	1	0	23	0	10	7	13	5	3	0	0	0	6	0	0	0	0	0
May	26.7	NW.	80	NW.	18	2	0	0	0	6	2	0	21	0	12	9	10	6	4	0	0	0	10	0	0	0	0	0
June	27.7	NW.	79	NW.	14	2	0	0	0	1	1	1	25	0	5	8	17	1	0	0	0	0	12	0	0	0	0	0
July	20.3	NW.	54	NW.	6	5	0	0	0	3	1	0	22	0	3	4	24	0	0	0	0	0	24	0	0	0	0	0
August	24.3	NW.	62	NW.	16	2	0	0	0	3	1	2	23	0	5	5	21	0	0	0	0	0	26	0	0	0	0	0
September	21.4	NW.	72	NW.	9	1	0	0	0	4	2	0	23	0	13	10	7	0	0	0	0	0	14	0	0	0	0	0
October	16.9	NW.	67	NW.	7	6	0	0	0	3	3	1	18	0	15	8	8	4	2	0	0	0	8	0	0	0	0	0
November	19.9	NW.	70	NW.	12	6	2	0	0	4	0	0	18	0	18	8	4	5	3	0	0	0	10	0	0	0	0	0
December	22.1	NW.	74	NW.	12	1	1	0	1	4	0	0	24	0	15	5	11	11	7	0	0	2	3	0	0	0	0	0
Year	22.3	NW.	83	NW.	149	41	6	2	4	54	16	10	232	0	124	78	163	73	53	1	1	4	131	0	0	0	4	0

PORT CRESCENT, WASH.

[H=259 ft.; h_t=8 ft.; h_r=4 ft.; h_a=53 ft.]

January	5.4	S.	26	S.	0	0	0	6	2	10	3	10	0	0	0	10	21	21	17	10	9	0	0	4	0	23	0	0
February	5.8	S.	36	NE.	0	1	0	7	3	9	1	7	0	0	3	16	9	12	8	3	2	0	0	0	0	22	0	0
March	5.1	S.	15	S.	0	0	2	7	0	5	1	3	13	0	4	20	7	10	7	0	0	0	6	0	0	12	0	0
April	6.2	W.	20	S.	0	0	1	2	0	3	0	12	12	0	8	18	4	9	6	4	3	0	0	0	0	19	0	0
May	4.9	W.	16	N.	0	2	0	3	0	1	0	9	16	0	2	18	11	16	14	0	0	0	3	0	0	0	0	0
June	5.7	W.	18	NW.	0	1	0	3	0	0	0	13	13	0	6	19	5	9	6	0	0	0	0	0	0	0	0	0
July	5.0	W.	18	S.	0	7	0	1	0	4	0	8	11	0	12	14	5	5	2	0	0	0	2	0	0	0	0	0
August	4.8	W.	14	S.	0	3	0	3	0	0	0	15	10	0	7	20	4	1	1	0	0	0	7	0	0	0	2	0
September	4.3	S.	16	NW.	0	1	1	4	2	0	2	6	14	0	3	14	13	12	8	0	0	0	3	0	0	1	1	0
October	4.9	S.	15	SE.	0	1	1	2	11	4	2	3	7	0	3	19	9	7	5	0	0	0	4	0	0	4	0	1
November	5.9	S.	33	NE.	0	0	1	4	6	7	5	7	0	0	0	12	18	20	18	5	5	0	1	3	0	11	0	0
December	4.8	S.	26	S.	0	0	1	3	6	7	11	3	0	0	0	17	14	20	13	5	3	0	0	0	0	12	0	0
Year	5.2	W.	36	NE.	0	16	7	45	30	50	25	96	96	0	48	197	120	142	105	27	22	0	26	7	0	104	3	1

Annual meteorological summary for the year ending December 31, 1911—Continued.

PORT HURON, MICH.

[ϕ=43° 0′ N.; λ=82° 26′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.400	29.831	28.668	23.6	26.8	32.5	18.9	25.7	45	1	20	22	86	80	0.118	0.125	1.16	0.45	7.2	7.7	7.8
February	29.380	29.816	28.915	24.6	27.6	33.6	20.8	27.2	53	9	21	21	86	76	.119	.115	1.76	.76	6.4	7.8	7.0
March	29.290	29.876	28.561	28.3	31.9	39.6	22.8	31.2	54	5	24	23	81	69	.131	.126	2.07	.72	5.7	5.1	5.5
April	29.397	29.865	28.605	40.2	43.9	50.3	34.5	42.4	72	15	34	34	78	68	.206	.207	1.72	.59	5.2	6.0	5.5
May	29.336	29.688	28.803	57.8	61.9	72.3	49.3	60.8	90	28	48	49	72	65	.369	.384	2.10	.80	3.9	4.5	3.9
June	29.262	29.557	28.885	64.1	67.5	75.4	56.5	66.0	94	49	56	58	77	72	.462	.484	1.74	1.05	5.3	5.1	6.2
July	29.307	29.553	28.825	68.5	74.0	82.0	61.0	71.5	101	49	58	59	70	60	.499	.507	1.61	.70	4.1	3.7	5.1
August	29.332	29.601	29.106	65.0	69.5	77.2	59.2	68.2	91	48	58	59	78	70	.492	.506	2.22	.75	5.3	3.7	5.1
September	29.363	29.635	28.980	58.0	62.8	69.8	53.0	61.4	88	39	52	54	82	76	.403	.435	3.64	1.22	6.0	5.1	5.3
October	29.379	29.690	28.950	45.6	49.6	56.3	41.9	49.1	68	29	41	43	83	77	.263	.282	4.10	.88	5.8	4.3	6.1
November	29.259	29.875	28.537	32.2	35.3	41.2	28.3	34.8	66	14	28	28	83	73	.158	.162	2.87	.75	7.9	7.3	8.0
December	29.401	29.863	28.685	30.6	32.7	37.8	27.8	32.8	58	13	27	28	85	82	.149	.159	1.51	.34	6.6	7.5	7.6
Year	29.342	29.876	28.537	44.9	48.6	55.7	39.5	47.6	101	1	39	40	80	72	.281	.291	26.50	1.22	5.8	5.6	6.1

PORTLAND, ME.

[ϕ=43° 39′ N.; λ=70° 15′ W.]

January	29.964	30.476	28.917	22.0	25.6	32.6	15.6	24.1	50	0	14	15	70	65	0.095	0.099	2.58	0.59	6.2	4.7	6.2
February	29.952	30.427	29.419	16.8	20.9	27.2	11.1	19.2	48	0	7	10	64	61	.066	.074	5.62	1.62	5.9	3.8	5.2
March	29.815	30.604	28.840	26.5	31.1	37.0	22.0	29.5	50	7	17	21	65	66	.102	.122	5.60	1.75	4.5	2.3	4.5
April	29.991	30.592	29.471	40.2	40.8	49.4	32.8	41.1	80	16	24	27	54	59	.138	.154	2.25	1.45	3.8	3.1	4.5
May	29.896	30.316	29.311	56.8	55.6	66.2	47.4	56.8	91	27	43	42	62	63	.292	.285	1.37	.55	5.3	4.7	5.1
June	29.812	30.178	29.444	62.1	60.8	69.0	53.4	61.2	88	46	49	50	66	70	.359	.367	2.74	.84	5.0	4.8	6.0
July	29.840	30.179	29.480	71.5	71.8	80.5	63.0	71.8	103	54	58	59	65	68	.497	.515	4.71	2.79	4.6	5.0	5.1
August	29.908	30.237	29.396	64.0	63.8	72.2	57.1	64.6	86	51	55	55	75	76	.440	.445	2.56	.68	5.7	4.3	6.0
September	29.939	30.321	29.440	55.9	58.0	65.8	49.9	57.8	82	37	47	48	74	72	.344	.353	2.84	.52	6.3	3.7	5.3
October	29.976	30.451	29.390	46.3	49.6	56.9	41.9	49.4	71	28	37	39	70	68	.229	.251	1.85	.49	5.0	3.9	5.4
November	29.826	30.336	29.137	35.1	37.7	44.6	30.1	37.4	64	19	24	25	65	60	.146	.149	3.51	1.26	5.0	3.5	5.7
December	29.979	30.392	29.210	30.2	33.0	39.5	26.6	33.0	65	10	22	23	70	67	.128	.134	4.49	2.69	5.4	4.8	5.5
Year	29.908	30.604	28.840	44.0	45.7	53.4	37.6	45.5	103	0	33	34	67	66	.236	.246	39.52	2.79	5.2	4.0	5.4

PORTLAND, OREG.

[ϕ=45° 32′ N.; λ=122° 41′ W.]

January	29.853	30.495	29.217	36.6	40.5	42.6	34.2	38.4	54	23	33	35	88	81	0.192	0.206	8.53	4.61	8.8	8.2	8.7
February	29.951	30.385	29.208	36.6	43.9	46.0	34.5	40.2	52	27	31	31	81	63	.175	.177	3.34	1.02	6.6	5.8	6.5
March	29.938	30.275	29.411	41.6	47.9	58.8	39.5	49.2	75	31	37	38	84	51	.222	.237	.63	.16	4.3	3.1	4.1
April	29.926	30.354	29.545	40.9	56.6	58.4	39.2	48.8	79	30	36	36	82	50	.210	.216	2.11	.70	4.7	4.4	5.1
May	29.853	30.314	29.241	47.4	60.5	62.2	46.4	54.3	84	39	44	48	87	65	.284	.339	3.95	1.02	7.5	6.7	7.3
June	29.913	30.122	29.668	51.6	67.4	68.6	50.6	59.6	87	43	46	53	82	60	.314	.405	.87	.60	6.7	5.1	6.3
July	29.879	30.133	29.580	58.8	80.0	81.1	57.9	69.5	99	47	53	57	81	48	.401	.471	.01	.01	4.5	2.9	4.0
August	29.872	30.040	29.692	58.0	76.1	77.0	57.1	67.0	90	51	52	54	81	49	.390	.421	.28	.15	5.7	2.1	4.3
September	29.879	30.155	29.542	52.2	63.7	65.9	50.9	58.4	82	43	49	50	89	63	.351	.363	5.19	2.88	6.1	6.1	7.5
October	29.934	30.260	29.407	47.8	60.0	62.5	46.0	54.2	78	34	44	48	88	67	.292	.342	.99	.52	4.5	5.0	6.4
November	29.994	30.345	29.401	43.4	49.1	51.6	40.5	46.0	63	24	39	43	85	80	.244	.282	2.64	.84	5.8	7.1	8.8
December	29.985	30.431	29.389	39.8	43.4	45.5	37.2	41.4	55	29	37	40	90	88	.221	.250	4.74	.88	7.6	7.7	8.9
Year	29.915	30.495	29.208	46.2	58.3	60.0	44.5	52.2	99	23	42	44	85	64	.275	.309	33.28	4.61	6.1	5.4	6.5

PROVIDENCE, R. I.

[ϕ=41° 50′ N.; λ=71° 25′ W.]

January	29.948	30.490	28.986	28.9	32.8	39.5	23.6	31.6	56	7	21	23	72	66	0.129	0.143	2.71	0.87	6.7	5.0	6.5
February	29.913	30.396	29.443	24.3	27.9	33.7	18.8	26.2	49	6	16	18	68	65	.094	.103	2.38	.79	7.1	4.5	6.2
March	29.804	30.508	28.940	30.6	35.2	42.5	25.9	34.2	63	14	19	24	60	62	.114	.135	3.16	1.12	4.9	3.7	4.9
April	29.956	30.539	29.431	42.0	44.3	54.0	35.0	44.5	81	22	31	30	66	61	.187	.182	3.14	1.50	3.7	3.3	4.7
May	29.875	30.240	29.363	59.2	58.7	70.8	50.7	60.8	85	33	48	47	69	67	.360	.346	2.04	.89	5.5	4.7	4.4
June	29.758	30.073	29.421	64.5	65.7	74.9	57.0	66.0	85	51	55	54	74	68	.442	.429	1.86	1.28	5.6	5.8	6.1
July	29.830	30.121	29.454	74.2	75.0	84.2	66.1	75.2	99	56	66	63	76	69	.643	.596	3.33	2.07	4.0	5.3	4.8
August	29.867	30.155	29.451	67.1	68.9	78.3	60.6	69.4	90	54	63	63	87	79	.581	.555	4.86	1.69	5.2	5.1	5.7
September	29.896	30.261	29.448	61.0	62.6	71.0	54.1	62.6	83	38	57	56	87	78	.480	.464	2.01	.61	6.1	4.0	5.4
October	29.933	30.410	29.420	48.1	52.5	59.8	44.1	52.0	70	29	44	47	86	82	.283	.335	2.79	.73	5.6	4.8	5.5
November	29.828	30.324	29.125	38.3	40.5	49.1	32.1	40.6	67	22	33	32	81	70	.208	.193	5.61	1.27	4.5	4.8	5.5
December	29.958	30.365	29.217	33.8	37.6	45.3	30.2	37.8	67	13	28	29	78	70	.163	.199	3.01	1.08	5.0	4.7	5.7
Year	29.880	30.539	28.940	47.7	50.1	58.6	41.5	50.1	99	6	40	40	75	70	.308	.304	36.80	2.07	5.3	4.6	5.4

Annual meteorological summary for the year ending December 31, 1911—Continued.

PORT HURON, MICH.

[H=638 ft.; h_t=70 ft.; h_r=63 ft.; h_a=120 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	32° or Minimum temperature below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	12.7	SW.	46	NW.	3	4	2	1	2	15	16	8	14	0	3	8	20	15	9	13	5	0	6	12	0	28	0	0
February	13.0	NW.	36	SE.	0	2	1	6	7	6	10	12	12	0	6	5	17	9	5	10	4	0	5	13	0	25	1	0
March	13.6	NW.	48	NW.	3	7	2	6	8	14	5	8	12	0	11	6	14	16	9	18	11	0	1	10	0	29	0	0
April	11.8	NE.	47	SW.	1	9	10	8	6	10	5	6	6	0	12	7	11	11	9	1	0	0	0	2	0	11	0	0
May	9.6	NE.	38	W.	0	4	13	2	1	15	12	5	10	0	16	7	8	10	7	2	0	0	2	1	0	2	2	0
June	8.3	NE.	42	SE.	1	12	12	4	3	4	8	9	8	0	7	11	12	7	6	0	0	0	1	0	2	0	5	0
July	9.6	SW.	40	W.	1	2	12	1	4	12	11	15	5	0	13	9	9	10	5	0	0	0	0	0	6	0	5	1
August	8.5	NE.	38	SW.	0	10	11	9	5	11	6	3	7	0	9	13	9	10	8	0	0	0	2	0	1	0	8	0
September	9.0	NE.	36	NW.	0	7	12	6	9	6	6	4	10	0	11	8	11	13	9	0	0	0	4	0	0	0	5	0
October	10.6	NE.	44	W.	1	4	12	10	8	7	8	5	8	0	10	7	14	11	9	0	0	0	4	0	0	4	3	0
November	14.4	SW.	45	W.	2	0	0	3	6	8	17	14	12	0	2	8	20	13	10	14	10	0	0	6	0	22	0	0
December	11.3	SW.	44	W.	2	1	2	7	6	8	18	8	12	0	7	2	22	14	11	12	8	0	5	4	0	24	0	0
Year	11.0	SW.	48	NW.	14	62	89	63	65	116	122	97	116	0	107	91	167	139	97	70	38	2	29	47	11	145	36	1

PORTLAND, ME.

[H=103 ft.; h_t=82 ft.; h_r=75 ft.; h_a=117 ft.]

January	10.0	NW.	37	NW.	0	10	5	0	2	4	12	10	19	0	8	15	8	12	10	9	6	0	2	11	0	28	0	0
February	10.1	N.	34	NW.	0	21	1	1	1	3	6	6	17	0	13	3	12	12	9	11	11	0	0	19	0	28	0	0
March	11.2	W.	38	W.	0	8	1	1	2	12	12	16	9	1	14	7	10	13	12	9	7	0	0	7	0	28	2	0
April	10.0	NW.	32	NW.	0	9	5	1	2	7	13	10	13	0	14	8	8	6	5	4	3	0	2	1	0	14	0	0
May	9.6	S.	36	W.	0	3	4	9	3	15	14	9	5	0	14	6	11	9	3	1	0	1	3	0	1	2	5	1
June	8.4	NW.	31	NW.	0	7	10	9	2	7	4	6	15	0	9	7	14	14	12	0	0	0	0	6	0	0	3	0
July	8.2	W.	40	N.	1	6	0	4	2	14	15	16	5	0	13	6	12	10	9	0	0	0	4	0	0	0	6	0
August	7.4	S.	28	NW.	0	3	2	6	10	10	13	8	10	0	7	10	14	11	9	0	0	0	0	10	0	0	1	0
September	9.4	NW.	36	S.	0	7	5	2	5	7	8	5	21	0	10	11	9	14	10	0	0	0	0	1	0	0	1	2
October	8.8	NW.	37	NW.	0	13	4	3	2	4	12	9	15	0	13	5	13	12	10	0	0	0	1	0	0	0	0	0
November	10.4	W.	50	S.	1	7	1	0	2	7	15	15	13	0	9	8	13	13	9	5	3	0	1	0	0	20	0	0
December	8.8	NW.	52	NW.	1	18	3	1	2	5	6	9	16	2	10	7	14	9	7	7	5	0	2	6	0	25	0	0
Year	9.4	NW.	52	NW.	3	112	41	37	35	95	130	119	158	3	134	93	138	135	105	46	35	1	32	44	8	145	18	3

PORTLAND, OREG.

[H=153 ft.; h_t=68 ft.; h_r=63 ft.; h_a=106 ft.]

January	6.1	S.	26	SW.	0	7	2	8	5	17	13	2	8	0	1	5	25	18	14	7	4	0	0	2	0	8	0	0
February	7.1	NW.	32	SW.	0	3	6	5	7	9	8	6	12	0	8	8	12	14	9	4	3	1	1	0	0	4	0	0
March	5.9	NW.	28	SW.	0	7	5	2	9	8	5	3	22	1	15	9	7	8	7	0	0	1	2	0	0	1	0	0
April	6.6	NW.	30	SW.	0	11	1	0	10	6	7	6	19	0	11	9	10	9	8	1	0	1	2	0	0	1	0	0
May	6.6	NW.	32	S.	0	8	2	4	5	9	13	4	17	0	4	7	20	18	14	0	0	0	0	0	0	0	0	0
June	6.2	NW.	22	NW.	0	13	2	0	4	8	8	4	20	1	5	12	13	6	5	0	0	0	0	0	0	0	0	0
July	6.2	NW.	21	NW.	0	10	4	0	6	6	1	2	33	0	16	10	5	1	0	0	0	0	0	0	0	0	1	0
August	5.8	NW.	17	NW.	0	13	1	1	4	6	2	0	35	0	13	12	6	3	2	0	0	0	0	1	0	0	0	0
September	5.1	NW.	37	W.	0	7	2	1	5	12	10	5	18	0	3	8	19	16	11	0	0	0	0	4	0	0	3	0
October	5.3	NW.	25	S.	0	10	4	4	4	14	7	7	12	0	6	11	14	5	5	0	0	0	0	3	0	0	0	0
November	8.0	SW.	33	SW.	0	9	1	5	5	9	19	5	7	0	0	5	25	18	13	3	3	0	0	5	0	0	2	0
December	5.9	S.	30	S.	0	2	1	6	9	18	8	11	7	0	0	6	25	20	17	2	1	0	7	0	0	4	0	0
Year	6.2	NW.	37	W.	0	100	31	36	73	122	101	55	210	2	82	102	181	136	105	17	11	3	25	2	9	20	4	0

PROVIDENCE, R. I.

[H=160 ft.; h_t=141 ft.; h_r=134 ft.; h_a=165 ft.]

January	11.2	NW.	60	NW.	2	8	2	1	9	8	10	3	21	0	7	8	16	15	12	11	3	0	2	6	0	27	0	0
February	11.8	NW.	48	NW.	2	14	5	1	3	2	6	8	17	0	8	7	13	9	8	16	9	0	0	14	0	27	1	0
March	13.8	NW.	52	NW.	3	10	2	1	13	4	5	9	18	0	14	7	10	12	10	8	4	0	0	6	0	23	2	0
April	11.1	NW.	37	NW.	0	10	6	0	14	4	6	6	14	0	13	8	9	9	7	5	5	0	1	0	0	10	0	0
May	10.4	SE.	38	W.	0	4	8	1	20	13	6	3	7	0	16	8	7	7	6	0	0	0	2	0	0	0	3	0
June	9.2	NW.	30	NW.	0	12	9	4	8	1	9	7	10	0	7	11	12	8	6	0	0	0	1	0	0	0	2	0
July	9.0	SE.	37	SE.	0	8	1	1	14	11	14	5	8	0	13	11	7	8	3	0	0	0	1	0	0	8	2	0
August	7.8	NW.	30	NW.	0	8	13	1	6	10	12	3	9	0	10	10	11	10	9	0	0	0	0	0	0	0	2	0
September	9.0	N.	34	N.	0	18	9	0	6	9	6	1	11	0	8	14	8	11	10	0	0	0	0	0	0	0	1	0
October	8.6	N.	40	NW.	1	15	7	5	2	6	9	5	13	0	11	7	13	12	10	0	0	0	2	0	0	1	0	0
November	12.2	NW.	46	S.	1	5	3	1	3	10	4	17	17	0	10	12	8	13	11	4	0	0	1	0	0	14	1	0
December	9.7	NW.	62	NW.	2	11	5	5	3	5	5	8	20	0	12	4	15	8	6	6	3	0	5	2	0	18	0	0
Year	10.3	NW.	62	NW.	11	123	70	21	101	83	92	75	165	0	129	107	129	122	98	50	24	0	15	28	8	120	14	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

PUEBLO, COLO.

[ϕ=38° 18′ N.; λ=104° 36′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	25.265	25.570	24.934	29.7	46.4	54.6	23.6	39.1	73	−12	14	20	57	36	0.088	0.106	0.04	0.04	2.6	3.4	3.4
February	25.283	25.824	24.849	22.4	37.2	42.5	15.6	29.0	67	−10	10	16	61	50	.074	.090	.99	.33	4.1	4.0	3.9
March	25.292	25.665	24.865	36.7	56.2	61.6	31.4	46.5	75	2	24	26	62	35	.131	.143	.29	.13	2.9	5.4	4.0
April	25.205	25.731	24.811	39.4	60.0	65.3	36.6	51.0	79	23	26	24	60	30	.146	.134	.82	.38	4.2	4.7	4.4
May	25.225	25.459	24.722	49.1	71.6	75.8	46.5	61.2	88	31	34	30	59	28	.205	.184	.40	.18	4.3	5.1	4.6
June	25.281	25.582	25.035	59.0	82.3	87.9	57.4	72.6	97	48	42	39	56	25	.277	.253	.46	.45	3.3	5.6	4.5
July	25.374	25.671	25.096	62.2	76.6	84.5	60.7	72.6	93	54	53	53	74	48	.412	.410	2.81	1.57	4.9	7.8	5.9
August	25.339	25.548	25.095	59.3	79.7	86.9	57.9	72.4	98	47	48	47	67	38	.335	.338	.37	.22	3.0	5.2	4.0
September	25.319	25.481	25.051	55.6	77.5	82.9	53.6	68.2	94	41	43	43	64	32	.285	.281	.32	.15	4.1	5.0	4.2
October	25.329	25.593	24.847	38.1	55.4	63.2	35.7	49.4	86	19	30	33	72	48	.173	.190	1.09	.36	3.4	3.3	3.5
November	25.284	25.715	24.751	27.7	41.4	52.4	22.5	37.4	68	− 3	17	22	64	48	.098	.120	.31	.18	2.4	3.7	3.2
December	25.234	25.614	24.823	12.6	25.9	36.3	6.4	21.4	62	−15	7	14	76	65	.062	.085	1.10	.48	2.7	2.8	3.2
Year	25.286	25.824	24.722	41.0	59.2	66.2	37.3	51.7	98	−15	29	31	64	40	.190	.194	9.00	1.57	3.5	4.7	4.1

RALEIGH, N. C.

[ϕ=35° 45′ N.; λ=78° 37′ W.]

January	29.823	30.335	29.256	40.3	47.8	55.5	36.2	45.8	75	24	33	35	76	63	0.215	0.228	1.81	0.55	5.5	4.3	6.1
February	29.744	30.168	29.299	38.8	48.3	55.3	36.6	46.0	74	22	32	34	78	60	.194	.209	2.52	1.22	6.3	3.6	5.6
March	29.679	30.188	29.021	41.5	51.8	58.8	38.2	48.5	77	24	31	32	67	51	.189	.194	3.52	1.14	5.1	3.9	4.6
April	29.739	30.130	29.244	51.8	58.9	66.2	46.8	56.5	85	35	43	43	74	59	.294	.297	2.56	.78	5.4	5.6	5.9
May	29.667	29.942	29.385	65.1	73.9	81.9	53.9	70.4	92	43	55	52	72	49	.464	.420	2.10	.68	2.6	3.7	3.3
June	29.571	29.751	29.283	73.2	78.6	88.8	68.0	78.4	100	57	63	62	72	60	.584	.569	1.26	.68	4.4	5.6	5.1
July	29.654	29.873	29.390	74.1	79.5	88.8	68.7	78.8	98	62	66	66	78	64	.659	.639	2.95	.85	4.0	5.1	5.2
August	29.629	29.793	29.462	73.9	78.4	88.1	69.4	78.8	96	60	68	68	85	72	.702	.685	7.36	2.02	4.7	4.1	5.1
September	29.676	29.924	29.395	69.9	76.7	85.4	66.8	76.1	92	52	66	66	87	71	.638	.647	1.74	.61	4.9	2.7	5.2
October	29.683	30.013	29.356	56.8	63.5	71.2	53.8	62.5	92	43	52	56	86	77	.405	.457	3.08	1.79	6.4	4.3	5.9
November	29.718	30.226	29.145	42.8	48.6	57.8	37.7	47.8	75	26	35	36	75	64	.231	.235	4.26	1.97	5.2	3.7	5.5
December	29.793	30.139	29.303	42.0	48.7	55.6	38.0	46.8	70	25	34	36	75	64	.223	.233	4.80	1.70	5.5	5.3	5.7
Year	29.698	30.335	29.021	55.8	62.9	71.1	51.6	61.4	100	22	48	49	77	63	.400	.401	37.96	2.02	5.0	4.3	5.3

RAPID CITY, S. DAK.

[ϕ=44° 4′ N.; λ=103° 12′ W.]

January	26.531	26.991	25.869	23.2	27.3	41.9	13.5	27.7	62	−14	11	13	64	56	0.082	0.086	0.11	0.07	6.4	5.0	5.7
February	26.661	27.290	26.148	17.4	29.4	37.9	13.6	25.8	60	0	10	13	72	53	.067	.079	.43	.28	5.1	5.7	5.2
March	26.577	27.090	26.141	34.1	48.2	55.3	28.8	42.0	76	11	18	20	54	37	.098	.110	.44	.34	4.9	4.6	4.9
April	26.556	26.976	26.227	36.9	50.1	55.3	32.6	44.0	80	14	26	25	68	44	.148	.142	1.34	.78	5.6	5.4	4.9
May	26.516	26.903	26.067	49.5	65.6	69.9	43.9	56.9	89	26	35	35	62	36	.214	.213	.50	.19	4.6	6.0	4.9
June	26.550	26.895	26.244	63.4	80.3	85.2	50.7	71.0	97	44	48	42	58	30	.339	.291	.73	.33	5.0	5.7	4.9
July	26.650	27.013	26.232	63.0	77.6	83.1	56.7	69.9	98	46	45	42	53	32	.305	.276	.68	.27	4.2	4.7	4.7
August	26.648	26.933	26.342	57.6	73.0	77.0	54.1	65.6	97	36	48	47	72	45	.342	.335	2.01	.75	5.7	4.5	5.4
September	26.616	26.845	26.345	53.4	66.2	72.3	49.5	60.9	89	37	42	43	68	49	.284	.302	.92	.76	5.8	5.7	4.8
October	26.665	27.004	26.230	38.4	47.4	54.7	34.8	44.8	79	13	29	30	70	56	.167	.175	1.21	.40	5.3	4.0	4.6
November	26.599	27.252	26.092	24.7	28.3	38.9	17.6	28.2	58	− 8	16	19	69	67	.096	.106	1.40	.43	5.3	5.2	5.2
December	26.568	26.874	26.064	22.2	24.7	34.0	16.5	25.2	57	−19	13	16	68	70	.084	.094	.78	.48	4.8	4.5	4.9
Year	26.595	27.290	25.869	40.3	51.5	58.8	34.9	46.8	98	−19	28	29	65	48	.186	.184	10.55	.78	5.2	5.1	5.0

RED BLUFF, CAL.

[ϕ=40° 10′ N.; λ=122° 15′ W.]

January	29.690	30.104	29.163	41.7	50.6	52.5	39.4	46.0	73	30	35	37	80	67	0.212	0.228	9.06	2.21	5.3	6.3	6.3
February	29.708	30.126	29.161	40.1	51.9	53.4	38.3	45.8	62	29	32	31	74	50	.188	.186	2.20	.94	3.6	5.0	4.2
March	29.675	29.966	29.322	47.9	65.5	66.8	46.4	56.6	86	39	39	41	74	47	.244	.267	5.88	2.88	4.1	4.8	4.2
April	29.640	29.944	29.300	48.4	67.5	68.7	47.1	57.9	87	34	40	38	75	38	.257	.241	.97	.90	4.1	3.3	3.4
May	29.587	29.873	29.318	51.9	71.0	73.3	51.2	62.2	90	41	41	36	68	33	.260	.224	1.03	.90	3.7	4.8	4.1
June	29.525	29.687	29.273	61.7	86.5	87.7	61.3	74.5	100	52	48	45	62	24	.336	.300	.27	.27	2.8	2.7	2.8
July	29.520	29.691	29.321	70.3	97.5	98.6	69.1	83.8	112	59	47	45	46	18	.335	.310	.00	.00	1.2	1.1	1.0
August	29.529	29.700	29.337	62.5	91.9	92.6	60.7	76.6	102	54	45	40	55	17	.310	.252	.00	.00	.1	.3	.3
September	29.573	29.736	29.259	56.7	79.0	80.6	54.7	67.6	91	48	41	39	59	26	.267	.242	.65	.61	2.4	2.0	2.1
October	29.622	29.788	29.342	52.2	72.3	74.8	49.6	62.2	90	42	39	39	64	35	.242	.250	.82	.57	1.5	3.1	2.7
November	29.777	30.055	29.326	45.8	63.9	66.6	42.5	54.6	84	30	32	31	60	31	.187	.179	.13	.08	2.4	3.2	3.0
December	29.781	29.995	29.396	39.5	51.8	55.3	36.3	45.8	68	26	29	30	68	48	.164	.170	1.66	.90	3.7	4.4	4.6
Year	29.636	30.126	29.161	51.6	70.8	72.6	49.7	61.1	112	26	39	38	65	36	.250	.238	22.69	2.88	2.9	3.4	3.2

Annual meteorological summary for the year ending December 31, 1911—Continued.

PUEBLO, COLO.

[H=4,685 ft.; h_1=80 ft.; h_2=72 ft.; h_3=86 ft.]

Month.	Wind.														Number of days.													
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.		32° or	Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	8.3	NW.	50	W.	5	5	4	5	7	1	10	16	14	0	18	10	3	1	1	2	1	0	0	2	0	24	0	0
February	7.1	NW.	47	NW.	1	4	0	14	11	0	4	11	12	0	13	10	5	9	6	9	9	0	0	10	0	27	0	0
March	7.6	NW.	45	N.	2	4	6	7	11	0	3	9	22	0	13	15	3	5	4	4	1	0	0	0	0	15	0	0
April	8.3	SE.	48	W.	1	5	6	3	15	0	4	14	13	0	13	11	6	4	3	2	0	1	1	0	0	8	4	0
May	8.0	SE.	47	NW.	2	6	2	5	15	0	6	16	12	0	11	14	6	5	3	0	0	0	0	0	0	1	7	0
June	7.0	NW.	38	W.	0	7	6	3	10	0	4	10	19	1	12	12	6	2	1	0	0	1	0	0	11	0	4	0
July	6.4	SE.	40	NW.	1	10	6	8	11	1	6	7	12	1	5	17	9	13	9	0	0	0	0	0	8	0	15	0
August	6.5	SE.	38	W.	0	8	3	7	15	0	2	10	17	0	15	11	5	7	4	0	0	0	0	0	15	0	6	0
September	6.5	NW.	33	NE.	0	4	4	6	14	0	7	11	14	0	13	13	4	6	3	0	0	0	0	0	7	0	4	0
October	6.1	NW.	48	NW.	2	10	4	10	14	0	2	3	18	1	16	9	6	7	7	5	4	0	0	1	0	13	0	0
November	9.0	NW.	45	NW.	2	9	6	5	8	3	2	15	11	1	18	7	5	5	3	5	5	0	0	4	0	24	0	0
December	4.4	NW.	27	NE.	0	9	3	7	3	2	0	12	26	0	19	8	4	7	7	9	7	0	0	16	0	31	0	0
Year	7.1	NW.	50	W.	16	81	50	80	134	7	50	134	190	4	166	137	62	71	51	36	27	2	1	33	41	143	40	0

RALEIGH, N. C.

[H=376 ft.; h_1=103 ft.; h_2=94 ft.; h_3=110 ft.]

January	8.8	SW.	36	W.	0	5	13	3	0	4	20	9	7	1	6	12	13	11	7	1	1	0	2	1	0	10	0	0
February	8.1	NE.	26	SW.	0	10	11	7	2	1	8	10	7	0	10	6	12	9	7	0	0	0	1	0	0	6	1	0
March	10.6	NE.	41	SW.	1	6	14	3	6	6	10	12	5	0	13	8	10	14	9	2	1	0	1	0	0	11	2	0
April	9.2	NE.	33	NW.	0	5	12	8	10	4	13	4	4	0	8	10	12	13	10	0	0	0	1	0	0	0	3	0
May	7.9	SW.	41	NE.	1	5	11	9	3	4	15	11	4	0	19	9	3	5	4	0	0	0	0	0	6	0	3	0
June	7.0	NE.	34	NE.	0	7	15	8	2	3	10	11	4	0	9	17	4	11	7	0	0	0	0	0	12	0	10	0
July	6.8	SW.	29	SE.	0	3	10	1	6	12	21	7	2	0	9	16	6	9	9	0	0	0	0	0	13	0	11	0
August	6.7	SW.	33	W.	0	4	10	7	11	7	15	6	2	0	9	16	6	11	11	0	0	0	0	0	12	0	11	0
September	6.0	NE.	24	N.	0	5	13	10	5	3	12	6	6	0	7	18	5	8	7	0	0	0	1	0	3	0	4	0
October	7.0	NE.	28	NE.	0	9	26	3	8	3	5	7	1	0	9	9	13	14	8	0	0	0	3	0	1	0	1	0
November	8.6	NE.	35	S.	0	9	15	3	4	2	9	11	7	0	11	7	12	10	10	0	0	0	1	0	0	9	0	0
December	7.3	NE.	34	NW.	0	6	20	3	5	4	9	9	5	1	12	4	15	11	11	0	0	0	3	0	0	7	0	0
Year	7.8	NE.	41	SW.	2	74	170	65	62	53	147	103	54	2	122	132	111	126	100	3	2	0	13	1	47	43	46	0

RAPID CITY, S. DAK.

[H=3,234 ft.; h_1=46 ft.; h_2=35 ft.; h_3=50 ft.]

January	8.1	W.	45	SW.	3	5	9	2	10	6	4	20	6	0	11	7	13	5	1	7	4	0	0	5	0	29	0	0
February	7.0	W.	38	W.	0	12	3	4	6	4	3	18	6	0	9	8	11	6	4	11	6	0	0	9	0	28	0	0
March	9.8	W.	51	SW.	2	12	1	2	6	5	4	15	17	0	10	11	10	4	3	5	2	0	0	0	0	22	0	0
April	8.2	W.	36	SE.	0	9	2	6	14	4	2	8	15	0	12	7	11	12	6	5	4	0	2	2	0	15	4	0
May	9.8	SE.	40	SW.	1	7	0	3	16	6	6	16	8	0	9	16	6	8	5	0	0	0	0	0	0	3	8	0
June	8.3	W.	29	N.	0	8	4	5	8	2	8	14	10	1	9	16	5	6	5	0	0	0	0	0	10	0	8	0
July	8.2	W.	36	NW.	0	10	0	7	13	3	4	13	12	0	9	16	6	8	5	0	0	0	0	0	5	0	10	0
August	7.1	SE.	33	N.	0	12	7	8	12	4	2	10	7	0	9	13	9	13	9	0	0	0	1	0	6	0	9	0
September	7.4	W.	28	N.	0	9	2	11	12	0	5	17	4	0	13	7	10	7	4	0	0	0	1	0	0	0	6	0
October	7.8	W.	38	W.	0	6	5	0	9	3	1	25	13	0	15	5	11	10	5	7	5	0	0	0	0	12	1	0
November	7.4	NW.	30	N.	0	6	1	2	7	3	2	20	19	0	9	13	8	9	8	12	9	0	0	9	0	29	0	0
December	6.0	W.	38	W.	0	4	2	3	8	1	1	33	9	1	14	9	8	8	5	11	8	0	2	12	0	27	0	0
Year	7.9	W.	51	SW.	6	100	36	53	121	41	42	209	126	2	129	128	108	96	60	58	38	0	6	37	21	165	46	0

RED BLUFF, CAL.

[H=332 ft.; h_1=50 ft.; h_2=40 ft.; h_3=56 ft.]

January	7.0	NW.	27	SE.	0	1	2	2	18	8	1	3	24	3	11	2	18	15	15	1	0	0	0	0	0	2	0	0
February	7.4	NW.	40	N.	1	6	0	1	12	7	1	1	28	0	14	4	10	9	7	1	0	1	0	0	0	3	0	0
March	6.4	NW.	30	SE.	0	7	1	0	19	10	0	3	21	1	17	5	9	8	8	0	0	0	0	0	0	0	0	0
April	7.0	SE.	30	NW.	0	6	2	1	22	10	2	3	13	1	18	7	5	6	2	0	0	0	0	0	0	0	0	0
May	6.2	SE.	27	NW.	0	5	3	1	25	4	1	1	22	0	13	11	7	4	2	0	0	0	0	0	1	0	2	0
June	5.5	SE.	27	NW.	0	0	1	0	28	6	3	5	17	0	19	9	2	2	2	0	0	0	0	0	13	0	0	0
July	4.9	SE.	26	NW.	0	4	3	1	29	11	0	4	8	2	29	1	1	0	0	0	0	0	0	0	30	0	0	0
August	4.3	SE.	18	N.	0	0	0	0	40	9	2	4	7	0	31	0	0	0	0	0	0	0	0	0	22	0	0	0
September	5.3	SE.	30	NW.	0	2	1	0	26	6	3	4	18	0	22	6	2	2	2	0	0	0	0	0	3	0	1	0
October	5.2	NW.	24	NW.	0	4	2	4	13	5	1	7	26	0	21	6	4	5	3	0	0	0	0	0	0	0	2	0
November	5.9	NW.	27	NW.	0	18	1	0	4	3	3	1	29	1	21	4	5	2	2	0	0	0	0	0	0	1	0	0
December	6.4	NW.	29	NW.	0	12	1	0	10	5	4	2	28	0	13	9	9	8	6	2	2	0	0	0	0	7	0	0
Year	6.0	SE.	40	N.	1	65	17	10	246	84	21	38	241	8	229	64	72	61	49	4	2	2	0	0	69	13	5	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

RENO, NEV.

[ϕ= 39° 32′ N.; λ= 119° 49′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	25.444	25.930	24.902	28.4	37.6	42.5	23.8	33.2	61	5	25	27	87	68	0.137	0.150	5.23	1.41	5.6	5.5	5.5
February	25.416	25.810	25.017	23.4	36.9	41.4	19.5	30.4	54	5	19	21	83	53	.104	.112	.57	.20	4.0	5.0	4.6
March	25.498	25.788	25.185	33.1	51.8	56.1	30.8	43.4	76	24	28	27	81	44	.151	.148	1.65	1.00	4.2	4.9	4.7
April	25.426	25.766	25.079	35.6	55.0	59.4	32.3	45.8	76	17	26	25	68	32	.145	.137	.32	.32	2.2	2.1	2.8
May	25.401	25.671	25.199	39.4	58.2	63.4	36.5	50.0	80	25	28	28	64	34	.153	.155	.32	.19	3.9	4.7	4.5
June	25.443	25.607	25.203	49.6	74.3	78.7	47.9	63.3	90	37	40	43	71	34	.253	.280	.22	.22	2.7	3.0	2.4
July	25.533	25.678	25.336	55.0	81.8	88.9	53.9	71.4	95	42	44	44	68	29	.302	.299	1.59	.75	1.5	3.4	2.3
August	25.483	25.592	25.338	50.4	82.1	86.1	49.1	67.6	93	42	34	31	54	16	.197	.175	T.	T.	.4	.8	.4
September	25.455	25.609	25.173	43.7	69.3	73.8	41.1	57.4	85	31	32	31	64	26	.183	.175	T.	T.	1.7	2.0	1.9
October	25.494	25.774	25.173	36.7	61.8	66.1	33.9	50.0	80	27	27	28	68	28	.146	.149	.11	.09	1.7	2.7	2.7
November	25.563	25.831	25.090	29.4	47.0	54.4	25.3	39.8	64	16	22	24	75	40	.118	.128	.24	.21	1.8	2.2	2.5
December	25.520	25.819	25.060	21.6	36.2	42.8	16.8	29.8	56	− 6	17	21	81	55	.091	.113	.32	.21	2.8	5.0	4.6
Year	25.476	25.930	24.902	37.2	57.7	62.8	34.2	48.5	95	− 6	28	29	72	38	.165	.168	16.57	1.41	2.7	3.4	3.2

RICHMOND, VA.

[ϕ= 37° 32′ N.; λ= 77° 27′ W.]

January	30.068	30.619	29.380	36.9	.....	52.0	31.5	41.8	73	22	32	....	81	....	0.194	.....	3.65	1.44	6.3	....	6.0
February	29.993	30.466	29.596	34.9	.....	50.0	32.0	41.0	70	21	30	....	81	....	.169	.....	2.20	.57	6.0	.....	6.0
March	29.938	30.478	29.229	38.4	.....	55.1	34.0	44.6	74	20	30	....	72	....	.177	.....	2.15	.65	4.9	.....	4.9
April	30.006	30.408	29.390	49.2	.....	61.9	42.8	52.4	80	29	41	....	74	....	.269	.....	4.00	.82	5.8	.....	5.8
May	29.920	30.234	29.638	65.4	.....	81.6	58.0	69.8	95	38	55	....	69	....	.455	.....	.60	.35	4.2	.....	4.1
June	29.812	30.009	29.557	71.0	.....	85.1	64.8	75.0	98	56	63	....	77	....	.578	.....	2.83	.85	6.0	.....	5.5
July	29.898	30.092	29.640	75.2	.....	90.9	68.2	79.6	100	60	65	....	73	....	.633	.....	.57	.39	4.4	.....	5.1
August	29.883	30.026	29.661	73.6	.....	87.7	67.7	77.7	97	58	67	....	81	....	.672	.....	7.26	2.03	4.8	.....	5.0
September	29.929	30.183	29.638	68.1	72.4	81.6	63.4	72.5	91	48	63	65	86	78	.598	0.627	1.85	.70	6.1	3.8	5.7
October	29.952	30.332	29.608	55.4	59.8	68.6	49.9	59.2	85	40	50	53	84	79	.379	.416	3.61	1.27	7.3	5.2	5.6
November	29.966	30.527	29.295	40.7	45.6	54.9	35.2	45.0	72	26	34	34	78	65	.219	.208	4.33	1.51	5.2	4.6	5.8
December	30.053	30.415	29.445	37.3	44.3	52.5	34.0	43.2	70	23	32	34	82	69	.195	.211	3.95	1.62	4.7	5.3	6.1
Year	29.952	30.619	29.229	53.8	.....	68.5	48.5	58.5	100	20	47	....	78	....	.378	.....	37.00	2.03	5.5	.....	5.5

ROCHESTER, N. Y.

[ϕ= 43° 8′ N.; λ= 77° 42′ W.]

January	29.541	29.996	28.796	26.4	27.5	34.5	21.2	27.8	51	6	20	21	76	74	0.116	0.119	1.72	0.55	8.4	6.1	8.1
February	29.510	29.947	28.883	24.9	26.5	32.5	20.9	26.7	48	6	20	19	80	72	.112	.105	3.22	1.08	8.3	8.0	8.1
March	29.418	30.012	28.661	28.5	31.4	39.1	23.6	31.4	64	4	21	21	71	64	.116	.113	2.68	.54	6.6	5.2	6.4
April	29.551	30.040	28.862	41.1	45.3	53.0	35.7	44.4	76	19	30	32	65	61	.177	.193	1.80	.61	5.0	5.7	5.7
May	29.469	29.871	28.843	60.1	64.6	74.5	52.9	63.7	93	27	48	48	65	57	.364	.373	2.10	.62	3.7	3.6	3.6
June	29.389	29.687	29.065	65.1	67.2	75.5	57.6	66.6	92	49	54	54	69	63	.435	.422	2.04	.75	6.4	5.4	6.0
July	29.447	29.712	28.945	70.0	74.0	83.2	63.0	73.1	101	52	58	58	67	58	.498	.491	4.35	1.86	3.7	4.5	4.1
August	29.463	29.761	29.192	66.5	70.5	78.9	61.8	70.4	94	50	59	57	76	65	.506	.484	4.29	2.55	5.0	4.9	6.0
September	29.502	29.805	29.078	57.8	61.8	70.1	52.7	61.4	84	37	51	52	79	71	.392	.404	3.56	2.12	4.8	4.4	5.0
October	29.522	29.895	29.048	46.7	50.3	58.1	42.6	50.4	75	28	41	41	81	72	.270	.267	2.41	.64	6.7	3.7	5.9
November	29.409	29.942	28.745	34.7	36.2	42.8	30.4	36.6	70	18	27	28	74	73	.154	.161	1.94	.68	8.6	6.9	7.5
December	29.552	30.022	28.825	33.7	35.9	41.3	31.1	36.2	67	16	29	29	83	75	.168	.166	2.77	.98	8.2	8.3	8.0
Year	29.481	30.040	28.661	46.3	49.3	57.0	41.1	49.1	101	4	38	38	74	67	.276	.275	32.88	2.55	6.4	5.6	6.2

ROSEBURG, OREG.

[ϕ= 43° 13′ N.; λ= 123° 20′ W.]

January	29.481	30.099	28.931	36.1	41.6	44.0	33.5	38.8	61	23	34	36	91	81	0.194	0.210	4.81	1.35	8.0	7.8	7.4
February	29.547	29.987	28.907	32.9	45.8	47.9	29.7	38.8	57	22	31	33	91	64	.172	.192	2.61	.74	5.1	4.1	5.1
March	29.526	29.856	28.994	36.9	61.6	62.8	34.6	48.7	82	23	34	39	90	46	.201	.239	.76	.31	3.2	2.6	4.1
April	29.534	29.901	29.183	38.4	57.7	60.0	35.6	47.8	78	28	35	38	86	51	.202	.230	2.43	1.00	5.6	4.9	5.8
May	29.473	29.907	28.979	43.8	62.7	65.5	42.0	53.8	87	34	41	42	89	50	.254	.274	1.75	.66	7.1	5.7	5.8
June	29.514	29.672	29.331	47.9	71.9	72.9	46.8	59.8	91	37	43	46	84	41	.286	.314	.59	.52	5.1	3.5	3.7
July	29.478	29.674	29.202	53.9	86.9	88.4	52.9	70.6	105	43	49	50	84	30	.352	.374	.03	.03	2.3	1.0	1.7
August	29.473	29.666	29.279	52.4	81.1	82.4	50.6	66.5	93	45	48	49	85	34	.333	.348	.0	.0	3.9	.9	2.1
September	29.497	29.748	29.202	48.9	66.0	68.6	46.9	57.8	84	37	47	48	93	54	.290	.334	2.84	.73	5.3	4.8	4.9
October	29.529	29.836	29.021	43.4	60.7	63.0	40.5	51.8	78	32	42	46	96	60	.270	.313	1.21	.48	3.9	3.9	4.8
November	29.649	29.963	29.095	41.9	48.6	52.2	37.9	45.0	60	25	39	42	92	90	.244	.275	3.18	.75	8.1	5.9	6.6
December	29.634	30.029	29.111	37.4	42.5	45.6	34.3	40.0	55	29	35	37	92	82	.206	.220	4.37	1.20	7.0	6.6	6.7
Year	29.528	30.099	28.907	42.8	60.6	62.8	40.4	51.6	105	22	40	42	89	56	.250	.277	24.58	1.35	5.4	4.3	4.9

Annual meteorological summary for the year ending December 31, 1911—Continued.

RENO, NEV.

[H=4,532 ft.; h_1=74 ft.; h_2=67 ft.; h_3=81 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	6.6	W.	47	W.	1	4	3	1	5	12	13	14	10	0	13	5	13	15	12	12	7	0	0	3	0	26	0	0
February	6.8	W.	40	SW.	1	7	2	2	6	8	13	14	4	0	9	12	7	6	5	9	6	0	0	3	0	28	0	0
March	6.0	SW.	29	SE.	0	4	4	1	14	6	15	10	8	0	13	8	10	11	9	9	8	0	0	0	0	19	0	0
April	9.3	W.	48	W.	6	4	6	1	3	1	7	28	9	1	21	5	4	1	1	2	0	0	0	0	0	13	0	0
May	9.0	W.	38	W.	0	3	3	2	2	4	5	37	6	0	12	10	9	4	2	2	1	0	0	0	0	6	3	0
June	7.8	W.	33	W.	0	3	1	1	4	2	13	33	2	1	21	8	1	2	1	0	0	0	0	0	1	0	2	0
July	6.3	W.	37	NW.	0	0	3	0	6	0	13	34	4	2	22	6	3	5	5	0	0	1	0	0	13	0	10	0
August	7.0	W.	28	W.	0	0	2	1	2	3	17	33	4	0	31	0	0	0	0	0	0	0	0	0	4	0	1	0
September	6.6	W.	44	W.	1	4	1	1	2	5	18	25	4	0	24	5	1	0	0	0	0	0	0	0	0	1	0	0
October	5.1	W.	35	W.	0	6	8	5	5	7	13	18	0	0	20	7	4	3	1	0	0	0	0	0	0	8	1	0
November	6.4	SW.	54	W.	3	3	8	3	2	7	18	17	1	1	20	10	0	3	2	2	1	0	0	0	0	25	0	0
December	4.6	SW.	44	SW.	2	10	4	1	6	3	18	13	6	1	11	14	6	4	4	10	4	0	1	6	0	31	0	0
Year	6.8	W.	54	W.	14	48	45	19	57	58	163	276	58	6	217	90	58	54	42	46	27	1	1	12	18	157	17	0

RICHMOND, VA.

[H=144 ft.; h_1=11 ft.; h_2=3 ft.; h_3=52 ft.]

January	8.7	S.	36	SW.	0	8	8	2	3	19	15	2	5	0	8	12	11	13	10	4	3	0	2	1	0	18	0	0
February	7.7	NE.	30	SW.	0	3	12	6	4	7	11	2	11	0	8	6	14	10	8	1	0	0	1	0	0	15	0	0
March	11.1	SW.	48	SW.	3	6	10	3	7	10	16	2	8	0	12	9	10	13	11	4	2	1	1	0	0	13	2	0
April	9.1	S.	34	SW.	0	9	10	9	8	16	3	2	3	0	9	9	12	14	12	0	0	1	0	0	0	2	5	0
May	6.9	SE.	40	SW.	1	5	7	9	13	12	8	3	5	0	13	14	4	5	2	0	0	0	0	0	8	0	6	0
June	6.1	NE.	36	NW.	0	5	17	9	7	10	6	2	4	0	7	17	6	11	8	0	0	0	0	0	8	0	10	0
July	6.8	SW.	34	SW.	0	6	10	7	12	11	13	1	2	0	7	19	5	3	2	0	0	0	1	0	19	0	7	0
August	6.6	S.	42	S.	1	4	13	5	8	18	10	1	3	0	11	15	5	14	10	0	0	0	1	0	14	0	13	0
September	5.9	NE.	45	NW.	1	11	17	4	3	8	11	1	5	0	6	15	9	6	5	0	0	0	1	0	1	0	4	0
October	6.9	NE.	27	SW.	0	14	20	6	6	7	5	0	3	1	9	8	14	11	7	0	0	0	2	0	0	0	1	0
November	8.1	SW.	36	SW.	0	7	8	1	5	11	14	7	6	1	13	5	12	11	9	0	0	0	1	0	0	12	1	0
December	6.7	SE.	38	SW.	0	10	10	0	13	9	13	1	6	0	10	5	16	11	8	1	0	0	2	0	0	13	0	0
Year	7.6	NE.	48	SW.	6	88	142	61	89	138	125	24	61	2	113	134	118	122	92	10	5	2	12	1	50	73	49	0

ROCHESTER, N. Y.

[H=523 ft.; h_1=86 ft.; h_2=77 ft.; h_3=102 ft.]

January	10.2	W.	44	W.	2	1	2	4	6	10	15	15	9	0	3	6	22	17	11	14	9	0	1	11	0	7	0	0
February	11.3	W.	38	SW.	0	1	5	8	5	6	5	20	8	0	1	9	18	20	15	20	18	0	0	14	0	25	1	0
March	11.0	W.	38	W.	0	0	3	3	8	6	13	17	12	0	5	10	16	19	12	19	13	1	0	11	0	27	3	0
April	9.0	W.	40	W.	1	2	7	5	7	6	8	21	4	0	9	8	13	12	11	7	5	0	0	2	0	10	1	0
May	8.1	W.	39	SW.	0	2	3	3	3	9	19	21	2	0	16	12	3	10	9	2	1	0	0	0	3	3	8	0
June	7.4	W.	27	W.	0	2	3	8	4	6	12	18	7	0	5	14	11	10	6	0	0	0	0	1	0	7	0	0
July	7.9	SW.	42	W.	1	1	4	5	3	4	23	17	5	0	13	14	4	9	9	0	0	1	0	0	9	0	9	0
August	6.2	SW.	28	W.	0	0	4	6	6	6	20	14	6	0	6	13	12	11	7	0	0	0	1	0	1	0	7	0
September	6.8	W.	29	W.	0	3	4	6	1	11	11	15	7	2	13	6	11	13	7	0	0	0	1	0	0	0	1	0
October	7.7	SW.	44	W.	1	4	5	3	6	9	19	10	6	0	6	14	11	13	8	0	0	0	2	0	0	1	0	0
November	11.3	W.	40	W.	2	1	0	2	5	12	13	22	5	0	5	8	17	17	13	15	11	0	0	4	0	20	0	0
December	9.9	W.	44	SW.	2	1	2	4	6	8	14	20	7	0	4	5	22	18	14	13	10	0	0	6	0	15	0	0
Year	8.9	W.	44	SW.	9	18	42	57	60	93	172	210	76	2	86	119	160	169	122	90	67	2	5	48	14	108	37	0

ROSEBURG, OREG.

[H=510 ft.; h_1=9 ft.; h_2=4 ft.; h_3=57 ft.]

January	3.2	S.	24	S.	0	8	5	4	6	14	9	1	14	1	1	14	16	21	14	9	9	0	2	1	0	13	0	0
February	3.4	S.	30	SW.	0	5	2	9	7	10	7	5	9	2	7	12	9	14	13	5	5	0	1	0	0	23	0	0
March	2.8	NW.	20	S.	0	10	4	4	2	5	9	6	17	5	12	15	4	8	7	0	0	0	2	0	0	8	0	0
April	3.8	NW.	20	SW.	0	20	4	2	2	7	3	3	15	4	7	11	12	7	7	3	3	0	1	0	0	7	0	0
May	4.6	NW.	24	SW.	0	16	4	1	5	10	10	3	10	3	7	12	12	16	11	0	0	0	0	0	0	0	0	0
June	4.2	NW.	17	N.	0	25	2	1	2	3	3	1	21	2	17	8	5	4	2	0	0	0	0	0	1	0	1	0
July	3.7	N.	18	N.	0	25	3	2	1	0	0	1	21	9	22	9	0	1	0	0	0	0	0	0	11	0	1	0
August	3.5	N.	21	NW.	0	30	3	3	0	1	1	1	19	4	21	9	1	0	0	0	0	0	0	0	3	0	0	0
September	2.8	NW.	22	SW.	0	16	7	4	4	5	5	3	14	2	9	15	6	14	8	0	0	0	0	1	0	0	2	0
October	2.0	S.	16	S.	0	6	7	1	4	15	11	6	10	2	8	17	6	6	5	0	0	0	0	14	0	0	0	0
November	2.7	S.	18	S.	0	6	6	4	11	12	7	7	6	1	3	13	14	15	11	1	1	0	7	0	0	4	0	0
December	2.6	S.	22	S.	0	6	4	10	7	16	6	4	9	0	1	18	12	18	14	3	2	0	7	0	0	7	0	0
Year	3.3	N.	30	SW.	0	173	51	45	51	98	71	41	165	35	115	153	97	124	92	21	20	0	35	1	15	62	4	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

ROSWELL, N. MEX.

[ϕ=33° 24′ N.; λ=104° 27′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	26.444	26.752	26.138	35.9	55.5	63.9	31.7	47.8	83	− 3	26	29	71	40	0.156	0.173	0.14	0.11	4.7	5.0	5.3
February	26.406	26.966	26.078	34.4	49.8	54.4	31.0	42.7	79	16	27	28	74	49	.146	.156	1.92	1.11	6.4	7.1	7.2
March	26.411	26.720	26.110	41.1	66.5	71.4	38.6	55.0	89	28	34	33	76	32	.197	.192	.29	.16	4.8	5.1	4.5
April	26.282	26.781	25.967	47.5	70.8	76.0	45.0	60.5	87	34	38	35	72	32	.240	.213	2.16	1.71	6.3	4.8	4.9
May	26.311	26.518	25.943	53.4	77.4	83.0	52.0	67.5	93	39	47	46	82	37	.338	.328	3.38	1.68	3.8	3.7	3.8
June	26.343	26.559	26.146	61.4	85.7	91.3	60.8	76.0	102	54	54	54	78	37	.422	.430	.45	.33	3.9	5.4	4.3
July	26.389	26.709	26.188	65.3	84.0	90.2	64.8	77.5	98	58	61	62	87	50	.543	.562	2.93	.74	3.5	6.2	4.7
August	26.363	26.546	26.136	61.2	87.9	92.6	60.8	76.7	102	54	54	55	79	36	.428	.444	1.23	.96	3.4	3.7	3.4
September	26.386	26.565	26.198	59.6	80.2	88.8	58.5	73.6	95	51	55	56	86	45	.442	.456	1.71	.86	3.4	4.4	3.9
October	26.400	26.658	26.036	43.5	63.7	73.1	41.4	57.2	92	26	38	42	81	50	.245	.284	1.14	.44	3.1	3.0	3.5
November	26.432	26.864	25.995	31.5	49.8	59.2	28.0	43.6	79	10	25	26	78	42	.139	.142	.46	.35	3.4	3.3	3.5
December	26.348	26.760	25.997	24.6	40.0	48.0	22.4	35.2	66	12	20	26	79	58	.108	.141	.56	.28	3.5	3.9	4.3
Year	26.376	26.966	25.943	46.6	67.6	74.3	44.6	59.4	102	− 3	40	41	79	42	.284	.293	16.37	1.71	4.2	4.6	4.4

SACRAMENTO, CAL.

[ϕ=38° 35′ N.; λ=121° 30′ W.]

January	30.002	30.378	29.623	43.2	52.4	53.9	40.2	47.0	71	34	40	44	90	77	0.256	0.295	12.72	3.22	4.8	5.8	5.6
February	29.997	30.409	29.529	42.1	52.2	53.6	40.2	46.9	63	32	39	43	90	72	.245	.281	1.88	.83	3.2	4.3	3.9
March	29.973	30.192	29.703	49.5	62.5	63.4	47.9	55.6	80	41	47	53	92	73	.328	.403	4.30	1.36	3.0	4.4	4.3
April	29.945	30.193	29.641	48.3	63.7	64.9	46.5	55.7	78	41	44	49	86	62	.290	.363	.66	.65	2.5	2.9	3.1
May	29.887	30.109	29.635	50.4	69.2	70.2	49.4	59.8	89	44	46	50	87	55	.316	.374	.03	.02	4.6	3.3	3.5
June	29.820	29.975	29.587	54.8	78.0	80.1	53.9	67.0	93	49	51	60	87	55	.371	.531	.12	.12	2.5	1.9	1.9
July	29.817	29.953	29.647	58.7	86.9	88.7	57.3	73.0	100	51	52	60	78	42	.383	.523	.00	.00	1.2	1.2	.7
August	29.832	29.985	29.651	54.4	82.5	84.0	53.5	68.8	93	50	50	56	86	41	.357	.454	.00	.00	.5	.3	.6
September	29.869	29.989	29.660	54.5	76.2	78.1	52.9	65.5	92	48	49	54	82	48	.348	.427	T.	T.	1.0	1.5	1.5
October	29.907	30.042	29.704	51.1	72.5	74.1	49.2	61.6	86	44	45	52	82	50	.304	.389	.18	.18	.9	1.4	1.8
November	30.069	30.345	29.719	44.6	63.8	65.7	42.1	53.9	77	31	39	47	81	56	.239	.330	.15	.13	1.0	2.1	2.5
December	30.066	30.291	29.752	38.9	52.7	54.5	36.7	45.6	66	30	34	43	85	72	.201	.283	1.07	.32	3.1	3.4	3.7
Year	29.932	30.409	29.529	49.2	67.7	69.3	47.5	58.4	100	30	45	51	86	59	.303	.388	21.11	3.22	2.4	2.7	2.8

ST. JOSEPH, MO.

[ϕ=39° 49′ N.; λ=94° 51′ W.]

January	29.075	29.517	28.585	26.5	31.2	38.0	21.3	29.6	63	−11	22	22	83	73	0.129	0.133	1.76	1.57	7.5	6.5	7.6
February	29.093	29.673	28.461	28.9	36.6	41.8	26.5	34.2	69	9	24	26	82	67	.138	.154	6.19	3.01	5.7	4.1	5.5
March	29.002	29.464	28.498	36.3	49.9	56.5	33.8	45.2	75	20	28	30	72	48	.159	.177	.84	.37	4.2	4.0	4.5
April	28.959	29.454	28.351	43.9	57.3	63.4	41.9	52.6	82	29	36	37	74	50	.226	.237	1.98	.92	6.4	4.5	5.9
May	28.931	29.334	28.388	60.7	73.1	78.2	57.8	68.0	94	35	51	52	72	50	.393	.409	5.31	1.45	6.1	4.7	5.0
June	28.880	29.080	28.506	71.9	87.4	91.3	68.8	80.0	100	58	61	60	71	42	.550	.531	.27	.10	4.0	2.9	3.7
July	28.945	29.208	28.587	71.0	86.1	90.1	68.2	79.2	100	53	62	60	75	44	.573	.552	4.16	2.35	3.8	2.9	3.9
August	28.941	29.219	28.726	67.9	82.8	87.6	66.1	76.8	103	53	63	64	84	54	.582	.602	4.43	2.24	4.0	2.2	3.2
September	28.955	29.204	28.641	64.4	75.5	82.1	62.8	72.4	96	47	61	66	88	75	.545	.662	5.72	2.97	5.8	4.4	5.3
October	29.014	29.405	28.571	48.5	54.7	61.9	45.5	53.7	80	32	45	47	89	76	.324	.339	5.44	4.01	6.3	4.9	6.3
November	29.000	29.812	28.344	31.6	38.5	46.2	26.1	36.2	67	5	27	28	82	65	.161	.168	1.56	.69	5.0	3.7	5.1
December	29.024	29.375	28.400	28.5	34.9	40.4	25.4	32.9	57	− 4	25	28	86	75	.141	.158	2.29	.98	4.9	4.9	5.0
Year	28.985	29.812	28.344	48.3	59.0	64.8	45.4	55.1	106	−11	42	43	80	60	.327	.342	39.95	4.01	5.3	4.1	5.1

ST. LOUIS, MO.

[ϕ=38° 38′ N.; λ=90° 12′ W.]

January	29.554	29.961	29.096	31.8	38.0	44.5	26.5	35.5	74	− 2	26	30	78	73	0.161	0.181	0.85	0.28	7.4	4.8	7.3
February	29.536	30.060	28.956	33.9	41.0	46.4	30.3	38.4	84	16	28	31	78	69	.165	.192	3.02	.97	6.2	5.1	5.3
March	29.444	29.878	28.915	38.8	51.2	57.4	36.3	46.8	80	21	30	33	72	51	.178	.199	2.22	.82	4.0	5.3	4.7
April	29.422	29.867	28.783	48.2	67.5	62.5	45.8	54.2	74	32	40	41	74	58	.262	.279	7.46	2.50	6.5	7.1	6.0
May	29.420	29.801	29.000	65.1	75.7	80.9	61.7	71.3	94	39	52	53	64	47	.418	.431	2.26	1.22	3.0	4.4	2.9
June	29.341	29.539	29.055	72.8	85.1	88.6	70.1	79.4	98	63	61	63	69	50	.552	.590	1.34	.48	3.9	4.1	4.4
July	29.410	29.617	29.074	73.0	83.7	88.1	70.5	79.3	101	58	61	60	68	48	.558	.537	.64	.34	3.0	4.5	4.0
August	29.394	29.594	29.224	69.5	79.1	84.0	67.7	75.8	96	52	64	64	82	62	.602	.616	3.51	1.48	4.4	5.1	4.9
September	29.414	29.679	29.224	68.2	77.5	82.8	65.7	74.2	95	56	64	67	88	71	.616	.669	7.09	3.05	5.1	4.4	5.2
October	29.452	29.780	29.114	52.5	59.2	64.5	50.2	57.4	88	35	47	48	83	69	.347	.369	2.63	1.00	5.9	5.5	6.5
November	29.458	30.205	28.832	36.0	41.4	47.6	30.9	39.2	78	12	29	31	74	67	.179	.190	3.44	.97	5.7	4.8	5.7
December	29.507	29.907	29.035	34.8	39.5	44.8	32.1	38.4	65	12	30	34	82	80	.172	.203	1.67	.44	5.9	5.6	7.1
Year	29.446	30.205	28.783	52.0	60.7	66.0	49.0	57.5	101	− 2	44	46	76	62	.351	.371	36.13	3.05	5.1	5.1	5.3

Annual meteorological summary for the year ending December 31, 1911—Continued.

ROSWELL, N. MEX.

[H=3,566 ft.; h_1=9 ft.; h_2=4 ft.; h_3=57 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	32° or below. Minimum temperature	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	6.2	S.	32	S.	0	15	3	2	3	14	5	11	9	0	10	12	9	3	1	1	1	0	0	1	0	13	0	0
February	7.0	N.	37	W.	0	14	7	1	6	7	8	8	5	0	4	8	16	7	7	5	3	0	0	5	0	16	0	0
March	6.4	S.	38	SW.	0	9	6	2	8	14	5	10	8	0	12	12	7	5	3	0	0	0	0	0	0	3	3	0
April	6.8	SE.	36	NW.	0	10	6	6	10	8	6	12	2	0	9	16	5	4	4	0	0	0	0	0	0	0	1	0
May	6.5	S.	39	N.	0	6	4	1	8	27	6	8	2	0	13	14	4	6	4	0	0	2	0	0	5	0	6	0
June	5.3	S.	27	NW.	0	4	2	2	3	28	11	7	2	1	14	10	6	5	2	0	0	0	0	0	22	0	4	0
July	4.9	S.	31	NW.	0	6	6	4	10	13	7	6	10	0	11	16	4	12	10	0	0	0	0	0	19	0	13	0
August	4.6	S.	24	NE.	0	8	4	6	7	23	10	2	2	0	19	8	4	5	4	0	0	0	1	0	21	0	1	0
September	3.9	S.	23	SE.	0	6	1	6	7	19	9	6	6	0	14	12	4	5	3	0	0	0	0	0	18	0	2	0
October	5.1	W.	30	SW.	0	9	8	3	7	11	6	11	7	0	17	9	5	7	7	1	0	0	0	1	7	1	0	0
November	6.1	N.	39	NW.	0	14	2	0	4	16	5	11	8	0	16	10	4	5	2	1	1	0	0	1	0	22	0	0
December	5.4	N.	37	NW.	0	21	6	1	7	13	2	3	9	0	16	5	10	6	3	5	4	0	0	1	0	29	0	0
Year	5.7	S.	39	NW.	0	122	55	34	80	193	80	95	76	1	155	132	78	70	50	13	9	2	1	8	86	90	31	0

SACRAMENTO, CAL.

[H=69 ft.; h_1=106 ft.; h_2=100 ft.; h_3=117 ft.]

January	8.0	SE.	36	SE.	0	11	2	3	25	8	3	2	8	0	12	4	15	17	16	0	0	0	0	0	0	0	0	0
February	8.6	SE.	33	S.	0	12	4	9	12	5	2	2	10	0	16	3	9	12	11	2	0	0	0	0	0	2	1	0
March	8.5	S.	40	SE.	1	12	1	2	22	12	3	2	8	0	19	4	8	9	8	0	0	0	0	0	0	0	0	0
April	10.6	S.	37	NW.	0	7	0	1	13	22	10	0	7	0	19	7	4	3	2	0	0	0	0	0	0	0	0	0
May	10.0	S.	40	SW.	1	1	2	0	18	15	11	3	12	0	14	13	4	2	0	0	0	0	0	0	0	0	0	0
June	8.7	S.	27	NW.	0	1	0	1	18	31	7	0	2	0	25	4	1	1	1	0	0	0	0	0	3	0	0	0
July	7.9	S.	18	S.	0	0	0	1	11	40	3	0	7	0	29	2	0	0	0	0	0	0	0	14	0	0	0	0
August	8.9	S.	21	S.	0	0	0	0	22	36	2	0	1	1	31	0	0	0	0	0	0	0	0	6	0	0	0	0
September	7.1	S.	29	SW.	0	3	5	0	21	22	1	2	6	0	25	4	1	0	0	0	0	0	0	1	0	0	0	0
October	6.0	SE.	25	SW.	0	12	3	1	16	7	4	2	14	3	24	6	1	1	1	0	0	0	0	0	0	0	0	0
November	6.1	SE.	31	S.	0	10	10	8	8	8	0	1	12	3	22	6	2	2	1	0	0	0	0	0	1	0	0	0
December	7.6	SE.	40	N.	1	14	2	7	16	7	3	0	13	0	19	3	9	6	4	1	0	0	1	0	0	5	0	0
Year	8.2	S.	40	SE.	3	83	29	33	202	213	49	14	100	7	255	56	54	53	42	3	0	0	1	0	24	8	1	0

ST. JOSEPH, MO.

[H=967 ft.; h_1=11 ft.; h_2=3 ft.; h_3=49 ft.]

January	9.0	S.	35	NW.	0	3	7	6	7	18	4	3	14	0	3	8	20	6	4	8	3	0	2	11	0	24	1	0
February	9.8	NW.	35	NW.	0	11	7	4	7	8	2	3	14	0	10	6	12	10	8	7	5	0	0	5	0	20	2	0
March	10.2	NW.	48	NW.	3	6	8	6	11	11	3	3	14	0	15	7	9	5	5	5	1	0	0	0	0	15	3	0
April	9.8	E.	36	SE.	0	8	4	14	15	3	4	5	7	0	7	9	14	10	8	1	0	2	0	0	0	2	3	0
May	9.5	S.	40	NW.	1	4	5	6	7	25	6	2	7	0	13	10	8	13	12	1	0	1	0	0	6	0	7	0
June	7.8	SE.	30	NW.	0	1	7	5	15	17	3	4	8	0	16	11	3	5	3	0	0	0	0	0	16	0	7	0
July	6.6	S.	34	NW.	0	1	7	6	8	21	6	7	5	1	16	11	4	10	7	0	0	0	0	0	16	0	9	0
August	5.8	SE.	39	NW.	0	6	13	10	14	7	4	2	5	1	19	10	2	5	5	0	0	0	0	0	11	0	6	0
September	6.7	SE.	23	NW.	0	6	9	11	15	9	6	1	3	0	11	8	11	14	11	0	0	0	0	2	0	10	0	12
October	7.2	NW.	31	NW.	0	9	9	9	10	6	2	6	11	0	6	12	13	8	5	1	0	0	0	0	0	1	4	0
November	10.7	NW.	41	NW.	2	5	1	6	7	12	6	5	18	0	11	10	9	7	5	7	2	0	1	4	0	22	2	0
December	8.7	S.	33	NW.	0	1	5	10	8	12	4	8	14	0	14	6	11	6	6	5	4	0	2	5	0	25	0	0
Year	8.5	S.	48	NW.	6	61	82	93	124	149	50	49	120	2	141	108	116	99	79	35	15	3	7	25	59	109	56	0

ST. LOUIS, MO.

[H=567 ft.; h_1=208 ft.; h_2=199 ft.; h_3=217 ft.]

January	11.8	S.	34	S.	0	7	7	4	7	11	12	5	9	0	6	6	19	7	6	4	1	1	2	7	0	23	1	0
February	12.5	NW.	36	NW.	0	2	12	3	7	9	4	6	13	0	10	7	11	6	6	3	0	0	5	0	0	18	2	0
March	12.6	SE.	46	W.	2	3	8	5	15	5	4	9	13	0	15	6	10	8	7	2	1	1	1	0	0	9	3	0
April	11.2	SE.	46	SW.	3	5	2	13	17	8	3	6	5	1	10	8	12	13	12	0	0	1	1	1	0	1	8	0
May	9.7	S.	36	NW.	0	2	3	5	9	21	11	5	6	0	22	7	2	4	3	0	0	1	0	0	5	0	4	0
June	9.2	S.	40	W.	1	1	5	7	14	13	6	8	6	0	12	13	5	8	7	0	0	0	0	0	13	0	7	0
July	8.9	S.	36	NW.	0	3	5	6	8	15	14	4	6	1	16	16	5	5	4	0	0	0	0	0	12	0	2	0
August	7.8	S.	32	N.	0	3	7	13	15	16	4	2	1	1	11	10	10	11	6	0	0	0	0	0	8	0	8	0
September	8.6	SE.	39	NW.	0	5	8	9	12	7	11	3	6	0	9	13	8	14	13	0	0	0	2	0	5	0	11	0
October	9.4	NE.	30	SW.	0	6	9	5	10	9	7	6	10	0	9	6	16	10	6	2	0	0	1	0	0	3	0	0
November	13.1	S.	48	NW.	2	8	0	2	12	12	9	6	11	0	9	10	11	11	8	7	5	0	2	2	0	16	2	0
December	10.7	S.	40	NW.	1	2	7	8	11	17	1	10	6	0	6	6	19	12	9	6	3	0	2	2	0	18	0	0
Year	10.5	S.	48	NW.	9	47	73	80	137	143	86	69	92	3	135	102	128	109	87	27	13	4	9	16	43	85	51	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

ST. PAUL, MINN.

[ϕ=44° 58′ N.; λ=93° 03′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.155	29.694	28.505	8.5	13.4	21.0	1.0	11.0	40	−24	5	7	82	72	0.063	0.065	0.73	0.41	6.7	4.3	6.2
February	29.196	29.784	28.582	17.8	25.7	30.4	14.1	22.2	44	− 5	14	18	83	69	.089	.102	.87	.40	5.0	4.5	4.5
March	29.047	29.611	28.445	28.9	39.8	45.3	25.4	35.4	74	1	22	21	76	48	.124	.120	.74	.51	5.0	4.6	4.0
April	29.113	29.626	28.596	38.1	48.8	53.4	36.5	45.0	78	15	31	31	75	54	.182	.186	2.22	.60	5.5	6.6	5.8
May	29.014	29.446	28.316	55.2	69.3	74.0	51.4	62.7	90	29	45	45	70	45	.329	.337	3.99	2.38	5.1	4.5	4.2
June	29.002	29.265	28.728	65.1	77.6	82.1	61.5	71.8	96	46	57	58	76	55	.478	.502	5.79	1.68	4.5	4.8	4.3
July	29.041	29.321	28.622	63.7	76.0	81.5	59.6	70.6	99	46	55	53	74	47	.443	.417	5.15	1.47	4.5	3.8	4.1
August	29.097	29.424	28.802	59.5	71.1	75.3	56.9	66.1	90	44	53	55	80	57	.415	.440	5.50	2.78	4.4	5.2	4.7
September	29.107	29.352	28.679	52.7	62.7	67.9	50.1	59.0	88	39	48	51	85	68	.343	.390	5.27	1.27	5.4	5.9	6.1
October	29.143	29.515	28.553	40.4	48.1	53.0	38.7	45.8	70	22	36	37	84	66	.221	.232	7.55	3.61	5.4	5.6	5.8
November	29.072	29.872	28.578	19.2	26.1	31.2	14.5	22.8	45	− 2	15	19	82	73	.093	.108	1.12	.66	6.3	6.8	7.0
December	29.119	29.641	28.583	22.5	26.1	31.4	17.7	24.6	48	−10	18	19	80	72	.101	.106	1.51	.46	6.0	6.4	7.4
Year	29.092	29.872	28.316	39.3	48.7	53.9	35.6	44.8	99	−24	33	34	79	60	.240	.250	40.44	3.61	5.3	5.2	5.3

SALT LAKE CITY, UTAH.

[ϕ=40° 46′ N.; λ=111° 54′ W.]

January	25.640	26.118	25.097	34.2	38.6	43.6	28.9	36.2	60	6	23	24	64	56	0.125	0.129	1.24	0.66	5.2	6.5	6.9
February	25.595	26.047	25.208	27.2	33.9	37.8	23.0	30.4	56	11	19	20	71	58	.102	.105	1.94	.56	3.7	5.1	5.6
March	25.676	26.005	25.317	39.0	49.9	53.1	35.6	44.4	67	24	28	27	65	43	.154	.147	2.04	.78	3.5	4.4	4.5
April	25.540	25.978	25.200	41.5	55.4	57.3	38.5	47.9	76	23	29	23	63	30	.165	.124	1.65	.71	5.0	4.2	4.4
May	25.501	25.836	25.247	49.5	65.2	68.3	46.2	57.2	85	32	34	28	58	28	.197	.156	1.84	.81	4.8	5.4	4.5
June	25.578	25.813	25.229	59.4	75.1	78.6	56.7	67.6	93	44	42	40	55	31	.278	.260	.45	.14	2.9	5.8	4.8
July	25.646	25.792	25.337	64.4	84.0	85.7	62.6	74.2	93	46	45	39	50	22	.303	.251	.02	.02	2.6	3.1	3.3
August	25.589	25.724	25.349	65.7	84.5	86.5	63.1	74.8	96	52	41	36	42	18	.263	.216	.05	.04	0.8	2.5	2.7
September	25.593	25.819	25.323	58.1	71.7	75.5	53.9	64.7	92	42	40	40	52	36	.251	.262	1.63	1.11	4.5	3.4	5.0
October	25.660	25.977	25.276	43.4	55.5	60.5	39.5	50.0	77	31	32	33	63	43	.179	.193	1.65	1.08	1.9	2.5	3.4
November	25.726	26.092	25.167	33.4	39.4	44.6	29.4	37.0	59	13	25	28	69	64	.134	.154	1.48	.62	4.8	4.8	6.1
December	25.643	26.072	25.253	24.5	30.3	34.8	21.1	28.0	54	12	19	23	76	73	.100	.122	1.14	.39	5.9	5.4	7.7
Year	25.616	26.118	25.097	45.0	57.0	60.5	41.5	51.0	96	6	31	30	61	42	.188	.177	15.13	1.11	3.8	4.4	4.9

SAN ANTONIO, TEX.

[ϕ=29° 27′ N.; λ=98° 28′ W.]

January	29.436	29.880	29.067	51.5	63.8	69.1	49.1	59.1	87	16	46	46	84	55	0.365	0.352	0.02	0.01	6.2	3.4	6.2
February	29.343	30.024	29.013	54.1	63.8	68.9	51.3	60.1	85	29	50	48	86	60	.405	.381	1.66	.96	7.7	5.3	6.8
March	29.328	29.881	29.006	57.1	71.7	75.8	56.1	66.0	92	39	52	53	86	64	.417	.424	2.72	1.01	7.2	4.9	6.3
April	29.198	29.557	28.920	62.2	72.4	77.3	60.0	68.6	92	49	59	60	90	69	.510	.533	3.41	.98	7.7	6.8	7.0
May	29.260	29.479	28.893	65.5	80.1	84.4	62.6	74.0	96	54	61	59	87	60	.559	.507	2.01	1.02	7.0	3.5	5.3
June	29.215	29.382	29.043	74.4	91.3	95.8	72.5	84.2	101	68	69	66	83	37	.703	.528	.30	.30	4.2	2.5	3.8
July	29.255	29.513	29.056	74.7	89.9	94.9	73.2	84.0	102	64	70	64	84	45	.723	.610	1.03	.33	5.5	4.5	5.2
August	29.198	29.324	29.042	75.1	93.0	98.2	74.3	86.2	102	67	70	62	84	38	.731	.551	.48	.30	3.9	3.1	2.7
September	29.253	29.373	29.080	74.7	88.4	94.8	74.3	84.6	97	68	71	66	88	49	.758	.636	.12	.11	5.2	2.8	3.7
October	29.295	29.573	29.042	61.7	74.4	80.5	60.4	70.4	95	40	55	54	80	51	.481	.453	3.57	2.47	6.1	3.6	5.3
November	29.404	29.901	28.989	49.6	60.1	66.3	45.8	56.0	87	23	41	40	72	51	.303	.305	2.01	1.20	5.4	4.1	5.9
December	29.337	29.744	29.024	45.3	55.5	60.5	42.7	51.6	76	30	38	42	76	64	.248	.288	1.35	.64	6.6	5.6	6.3
Year	29.293	30.024	28.893	62.2	75.4	80.5	60.3	70.4	102	16	57	54	83	52	.517	.464	18.68	2.47	6.1	4.2	5.4

SAN DIEGO, CAL.

[ϕ=32° 43′ N.; λ=117° 10′ W.]

January	30.000	30.240	29.729	51.2	59.1	63.5	48.9	56.2	77	41	41	46	73	66	0.278	0.325	3.35	2.17	4.9	5.5	4.7
February	29.962	30.233	29.725	48.1	55.6	59.1	45.4	52.2	70	34	41	45	79	69	.268	.303	4.92	1.69	5.7	4.8	4.0
March	29.976	30.108	29.782	53.7	60.3	63.8	52.3	58.0	77	44	48	50	84	71	.343	.364	.92	.37	7.7	6.8	4.5
April	29.902	30.061	29.740	53.5	60.6	63.2	52.2	57.7	79	44	48	50	84	71	.346	.363	.65	.36	6.9	3.7	3.7
May	29.859	29.961	29.716	55.4	61.7	64.3	54.3	59.3	74	49	50	53	83	73	.365	.402	.01	.01	7.5	2.4	3.3
June	29.839	29.909	29.644	58.4	63.8	67.2	57.5	62.4	91	53	55	55	88	74	.429	.439	.01	.01	9.3	3.9	4.6
July	29.838	29.937	29.716	61.9	67.2	71.1	61.2	66.2	93	59	59	60	91	79	.507	.524	.12	.05	8.6	3.9	4.4
August	29.814	29.889	29.708	63.3	69.9	72.8	62.1	67.4	84	58	59	62	88	76	.508	.551	.00	.00	7.1	2.2	2.0
September	29.826	29.922	29.637	61.0	69.4	72.3	60.1	66.2	76	54	58	61	90	75	.480	.534	.10	.09	5.4	3.5	2.5
October	29.836	29.976	29.608	57.1	66.6	70.6	55.4	63.0	84	50	50	56	81	71	.375	.450	.28	.28	4.0	2.6	1.9
November	29.946	30.164	29.744	55.9	65.7	70.5	52.9	61.7	82	44	39	47	58	58	.280	.346	.02	.02	3.6	2.6	2.0
December	29.984	30.175	29.641	47.7	58.0	61.9	45.0	53.4	78	36	35	45	64	64	.215	.307	1.39	.56	2.8	1.8	2.2
Year	29.897	30.240	29.608	55.6	63.2	66.7	53.9	60.3	93	34	49	52	80	71	.364	.409	11.77	2.17	6.1	3.6	3.3

Annual meteorological summary for the year ending December 31, 1911—Continued.

ST. PAUL, MINN.

[H=837 ft.; h_1=203 ft.; h_2=196 ft.; h_3=212 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	32° or Minimum temperature below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	12.4	NW.	52	NW.	4	10	2	4	12	12	2	7	13	0	6	11	14	11	4	14	11	0	1	21	0	30	0	0
February	13.1	NW.	44	NW.	2	10	1	6	9	3	6	9	12	0	16	4	8	6	5	6	5	0	2	14	0	25	0	0
March	16.6	S.	60	NW.	8	11	1	3	9	16	5	4	13	0	11	16	4	5	4	8	4	0	0	3	0	25	0	0
April	12.7	SE.	48	NW.	3	10	4	9	11	11	5	4	6	0	8	11	11	13	11	6	6	0	0	2	0	12	0	0
May	12.3	S.	45	S.	4	11	1	2	11	18	4	9	6	0	10	18	3	9	8	0	0	0	0	0	1	2	6	0
June	10.9	S.	50	NW.	2	10	1	7	13	11	5	3	10	0	11	16	3	13	9	0	0	0	1	0	7	0	11	0
July	11.1	NW.	54	N.	5	8	2	2	11	14	6	7	12	0	12	16	3	17	11	0	0	0	0	0	5	0	10	0
August	8.8	SE.	41	N.	1	15	2	5	14	10	6	4	6	0	11	15	5	14	9	0	0	0	3	0	1	0	11	0
September	8.6	SE.	36	E.	0	11	6	7	14	7	7	4	4	0	7	12	11	13	11	0	0	1	0	0	0	0	10	0
October	6.6	SE.	40	NW.	1	6	4	4	16	2	10	11	9	0	8	10	13	13	11	1	0	0	1	0	0	8	2	0
November	11.0	NW.	42	NW.	2	5	0	6	13	4	8	12	12	0	4	12	14	11	6	11	7	0	1	15	0	28	0	0
December	9.7	S.	36	N.	0	8	2	6	11	16	4	7	8	0	4	7	20	9	7	16	8	0	2	13	0	30	0	0
Year	11.2	SE.	60	NW.	32	115	26	61	144	124	68	81	111	0	108	148	109	134	96	62	41	1	11	68	14	160	50	0

SALT LAKE CITY, UTAH.

[H=4,360 ft.; h_1=147 ft.; h_2=141 ft.; h_3=189 ft.]

January	9.3	S.	60	N.	2	1	3	6	13	24	4	2	9	0	3	12	16	6	4	6	4	0	1	6	0	20	2	0
February	8.6	NW.	49	SE.	2	9	5	8	7	5	3	3	16	0	10	7	11	9	7	10	9	0	0	10	0	25	0	0
March	7.8	NW.	48	N.	2	2	5	6	6	13	4	2	24	0	18	4	9	7	5	4	1	0	1	0	0	5	1	0
April	8.2	NW.	44	S.	1	14	4	5	4	9	2	1	21	0	17	7	6	10	9	4	4	0	0	0	0	5	2	0
May	9.7	NW.	45	SW.	2	9	5	2	10	11	6	1	18	0	15	13	3	9	7	2	2	0	0	0	0	1	1	0
June	8.4	NW.	43	NW.	1	5	4	6	12	5	3	2	23	0	10	13	7	7	6	0	0	0	0	0	1	0	2	0
July	7.3	NW.	36	NW.	0	7	7	1	10	9	0	0	28	0	19	11	1	2	0	0	0	0	0	0	5	0	1	0
August	8.0	SE.	31	NE.	0	10	4	7	7	13	1	1	16	0	24	7	0	2	1	0	0	0	0	0	8	0	4	0
September	8.6	SE.	35	SW.	0	6	3	6	11	19	1	0	14	0	15	7	8	6	5	0	0	0	0	0	2	0	4	0
October	7.0	SE.	38	E.	0	6	6	7	13	6	2	1	21	0	20	6	5	3	3	2	2	0	0	0	0	2	0	0
November	6.5	NW.	47	NW.	1	10	3	7	11	7	5	6	11	0	9	8	13	9	8	5	3	0	0	2	0	17	0	0
December	4.7	SE.	32	S.	0	3	8	6	19	6	2	4	14	0	3	6	22	8	7	12	8	0	0	12	0	31	0	0
Year	7.8	NW.	60	N.	11	82	57	67	123	127	33	23	218	0	163	101	101	78	62	45	33	0	2	30	16	106	17	0

SAN ANTONIO, TEX.

[H=701 ft.; h_1=80 ft.; h_2=72 ft.; h_3=91 ft.]

January	6.5	SE.	28	N.	0	8	7	1	16	14	7	1	2	6	7	14	10	2	0	0	0	0	6	0	0	4	0	0
February	7.9	SE.	28	N.	0	14	5	3	17	8	1	0	6	2	4	10	14	9	7	0	0	0	1	0	0	2	1	0
March	6.4	SE.	24	N.	0	11	13	3	19	8	1	2	2	3	8	11	12	7	4	0	0	0	3	0	2	0	2	0
April	8.7	SE.	34	N.	0	11	13	7	18	2	5	0	2	2	3	13	14	10	8	0	0	0	2	0	1	0	6	0
May	5.8	SE.	30	NE.	0	4	6	12	37	2	0	0	0	1	7	20	4	6	4	0	0	0	0	0	4	0	2	0
June	6.4	SE.	20	N.	0	2	5	0	45	6	0	0	0	2	15	14	1	1	1	0	0	0	0	0	30	0	1	0
July	6.8	SE.	32	N.	0	3	2	6	43	4	1	0	0	3	12	11	8	7	7	0	0	0	0	0	29	0	0	0
August	6.1	SE.	27	N.	0	2	5	10	37	3	2	0	1	2	21	8	2	2	2	0	0	0	0	0	30	0	4	0
September	5.0	SE.	22	N.	0	2	1	14	39	0	0	0	0	4	16	12	2	2	1	0	0	0	0	0	30	0	2	0
October	5.2	N.	22	N.	0	23	10	6	16	3	0	1	3	0	12	9	10	5	4	0	0	0	1	0	7	0	2	0
November	5.9	N.	42	N.	2	17	5	1	6	10	10	2	7	2	9	7	14	8	5	0	0	0	2	0	0	3	0	0
December	4.9	N.	27	NW.	0	13	12	4	4	4	9	5	10	1	8	6	17	10	5	0	0	0	1	0	0	2	0	0
Year	6.1	SE.	42	N.	2	110	84	67	297	64	36	11	33	28	122	135	108	69	48	0	0	0	16	0	133	11	20	0

SAN DIEGO, CAL.

[H=87 ft.; h_1=94 ft.; h_2=86 ft.; h_3=102 ft.]

January	4.9	NE.	21	S.	0	6	12	9	3	3	3	4	21	1	15	5	11	9	8	0	0	0	4	0	0	0	0	0
February	6.5	E.	26	W.	0	3	12	8	3	5	5	6	14	0	13	8	7	11	11	0	0	1	1	0	0	0	0	0
March	5.6	NW.	26	S.	0	8	9	7	9	3	6	6	14	0	14	9	8	7	5	0	0	0	0	0	0	0	0	0
April	6.3	NW.	23	S.	0	7	8	8	2	5	2	13	15	0	16	10	4	5	4	0	0	0	0	0	0	0	0	0
May	6.6	NW.	21	NW.	0	2	5	12	2	1	15	9	16	0	20	8	3	1	0	0	0	0	2	0	0	0	0	0
June	6.7	NW.	23	NW.	0	8	6	4	1	2	8	9	22	0	13	11	6	1	0	0	0	0	1	0	1	0	0	0
July	6.2	NW.	26	NW.	0	10	4	3	0	1	8	7	29	0	15	12	4	4	2	0	0	0	3	0	1	0	3	0
August	6.0	NW.	22	NW.	0	3	14	4	1	1	7	7	25	0	28	3	0	0	0	0	0	0	3	0	0	0	0	0
September	6.3	NW.	23	NW.	0	6	12	1	1	3	6	0	31	0	25	2	3	2	1	0	0	0	6	0	0	0	0	0
October	5.2	NW.	21	NW.	0	6	16	2	1	0	4	10	23	0	23	8	0	2	2	0	0	0	5	0	0	0	0	0
November	5.4	NE.	19	NW.	0	6	18	6	1	4	3	7	15	0	22	7	1	1	0	0	0	0	0	0	0	0	0	0
December	5.8	NE.	26	NW.	0	5	13	13	2	0	5	1	23	0	21	8	2	8	7	0	0	1	0	0	0	0	2	0
Year	6.0	NW.	26	W.	0	70	129	77	26	28	72	79	248	1	225	91	49	51	40	0	0	2	26	0	2	0	5	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

SANDUSKY, OHIO.

[ϕ=41° 25′ N.; λ=82° 40′ W.]

Month.	Pressure.			Temperature.								Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.	
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	29.459	29.919	28.980	29.3	.....	37.9	23.5	30.7	57	0	25	....	84	....	0.149	.....	2.77	0.88	7.6	.....	7.2	
February	29.406	29.859	29.022	28.8	.....	37.8	25.0	31.4	62	15	25	....	84	....	.140	.....	1.93	.74	7.5	.....	7.2	
March	29.325	29.881	28.617	32.9	.....	43.5	27.5	35.5	65	9	27	....	79	....	.153	.....	1.66	.38	6.4	.....	5.2	
April	29.413	29.892	28.727	43.5	.....	53.9	39.8	46.8	72	22	36	....	76	....	.227	.....	3.46	1.66	5.2	.....	5.3	
May	29.376	29.729	28.833	62.6	.....	75.3	56.3	65.8	91	33	52	....	70	....	.425	.....	1.72	.54	3.6	.....	3.0	
June	29.287	29.555	28.994	67.8	.....	78.4	63.2	70.8	96	55	60	....	78	....	.531	.....	3.90	1.72	5.5	.....	4.3	
July	29.353	29.582	28.971	70.7	.....	83.7	65.0	74.4	98	53	61	....	72	....	.548	.....	2.09	.74	3.0	.....	3.5	
August	29.344	29.539	29.178	68.5	.....	78.8	64.9	71.8	93	56	62	....	81	....	.566	.....	5.31	2.52	4.9	.....	4.7	
September	29.377	29.627	29.033	63.4	.....	73.3	59.7	66.5	90	47	58	....	82	....	.484	.....	3.53	1.64	6.2	.....	4.5	
October	29.389	29.711	29.001	48.9	.....	59.2	45.5	52.4	79	32	44	....	85	....	.304	.....	5.06	1.41	5.6	.....	5.7	
November	29.320	29.956	28.833	34.5	.....	43.5	31.0	37.2	70	13	30	....	82	....	.173	.....	2.19	.70	7.4	.....	6.8	
December	29.439	29.889	28.895	33.6	.....	41.5	30.5	36.0	62	16	30	....	85	....	.171	.....	2.20	.54	7.9	.....	7.4	
Year	29.374	29.956	28.617	48.7	.....	58.9	44.3	51.6	98	0	42	....	80	....	.323	.....	35.82	2.52	5.9	.....	5.4	

SAN FRANCISCO, CAL.

[ϕ=37° 48′ N.; λ=122° 26′ W.]

January	29.894	30.240	29.539	47.9	52.9	56.3	45.8	51.0	72	41	43	43	84	74	0.279	0.286	13.79	2.48	5.7	6.1	6.1	
February	29.898	30.299	29.455	45.3	52.1	54.9	43.7	49.3	67	38	39	38	79	62	.240	.239	3.02	.68	4.2	4.1	4.3	
March	29.881	30.093	29.493	50.0	56.8	60.3	43.4	54.4	79	42	45	45	84	68	.303	.303	4.57	1.98	5.7	5.0	5.5	
April	29.885	30.111	29.603	49.6	55.2	59.0	48.2	53.6	73	42	41	42	74	65	.260	.273	.89	.81	6.4	4.2	4.1	
May	29.839	30.034	29.598	50.3	57.8	61.9	49.2	55.6	85	46	44	44	81	63	.293	.292	.28	.15	6.0	3.9	4.3	
June	29.796	29.952	29.595	50.4	56.4	60.7	49.4	55.0	77	47	47	47	89	73	.323	.328	.03	.03	7.5	3.7	5.0	
July	29.804	29.930	29.624	51.9	57.2	61.9	50.8	56.4	84	49	50	51	92	79	.355	.371	T.	T.	8.3	3.3	4.5	
August	29.807	29.939	29.654	52.0	57.7	62.0	51.1	56.6	79	49	49	50	92	78	.359	.366	.00	.00	8.4	3.7	5.4	
September	29.816	29.921	29.616	54.5	60.7	66.8	53.3	60.0	82	49	50	50	87	68	.366	.357	T.	T.	4.8	1.9	4.2	
October	29.837	29.978	29.644	54.9	62.5	68.5	53.3	60.9	87	50	49	47	82	61	.353	.324	.28	.16	3.9	2.2	3.2	
November	29.974	30.225	29.711	51.0	59.4	65.1	49.5	57.3	77	42	43	41	76	53	.282	.264	.60	.45	1.7	1.8	3.2	
December	29.906	30.155	29.664	47.7	54.0	57.6	45.8	51.7	71	39	38	38	72	58	.238	.233	2.54	.66	2.8	4.1	3.4	
Year	29.866	30.299	29.455	50.5	56.9	61.2	49.0	55.2	87	38	45	45	83	67	.304	.303	26.00	2.48	5.4	3.7	4.4	

SAN JOSE, CAL.

[ϕ=37° 20′ N.; λ=121° 54′ W.]

January	29.913	30.281	29.585	.....	55.8	59.5	39.6	49.6	74	29	....	45	....	71	.....	0.306	12.38	4.56	.....	5.9	5.9	
February	29.911	30.324	29.563	.....	54.0	56.6	37.2	46.9	66	27	....	39	....	59	.....	.243	2.03	.63	.....	4.5	4.6	
March	29.895	30.111	29.529	.....	60.5	63.3	45.9	54.6	83	40	....	49	....	68	.....	.350	6.26	2.60	.....	5.1	5.6	
April	29.900	30.158	29.688	.....	61.2	65.0	42.7	53.8	79	33	....	44	....	56	.....	.295	.45	.34	.....	2.6	3.8	
May	29.851	30.071	29.646	.....	65.2	69.2	43.8	56.5	88	37	....	47	....	54	.....	.329	.21	.12	.....	2.0	3.3	
June	29.811	29.981	29.657	.....	69.0	73.6	49.4	61.5	87	41	....	52	....	57	.....	.393	.07	.07	.....	1.2	2.8	
July	29.807	29.957	29.636	.....	74.4	78.6	52.9	65.8	91	46	....	57	....	55	.....	.465	.00	.00	.....	0.4	2.3	
August	29.815	29.972	29.663	.....	71.2	75.6	49.3	62.4	88	42	....	55	....	57	.....	.431	.00	.00	.....	0.1	2.1	
September	29.837	29.968	29.648	.....	69.9	75.7	46.1	60.9	86	42	....	51	....	53	.....	.380	.00	.00	.....	1.6	3.3	
October	29.848	30.007	29.652	.....	68.0	73.6	44.4	59.0	90	38	....	49	....	53	.....	.344	.80	.47	.....	1.8	2.5	
November	29.986	30.249	29.756	.....	61.7	67.0	36.4	51.7	78	29	....	40	....	48	.....	.260	.18	.15	.....	1.7	1.7	
December	29.976	30.181	29.748	.....	54.5	58.7	36.1	47.4	70	25	....	37	....	55	.....	.228	2.03	.79	.....	3.5	3.0	
Year	29.879	30.324	29.529	.....	63.8	68.0	43.6	55.8	91	25	....	47	....	57	.....	.335	24.41	4.56	.....	2.5	3.4	

SAN JUAN, P. R.

[ϕ=18° 29′ N.; λ=66° 7′ W.]

January	29.971	30.066	29.952	74.0	.....	78.9	69.2	74.0	82	66	66	....	75	....	0.630	.....	6.92	1.56	5.5	.....	5.3	
February	29.927	30.090	29.849	72.9	.....	79.1	69.2	74.2	81	66	64	....	75	....	.600	.....	2.22	.81	6.7	.....	5.4	
March	29.953	30.083	29.936	74.2	.....	79.6	68.7	74.2	83	63	63	....	68	....	.575	.....	2.20	.78	4.2	.....	3.2	
April	29.915	30.046	29.822	77.5	.....	81.8	71.2	76.5	89	67	69	....	74	....	.668	.....	5.13	1.44	4.8	.....	4.8	
May	29.868	29.968	29.812	78.3	.....	82.8	72.2	77.5	88	69	71	....	77	....	.754	.....	10.49	1.96	5.8	.....	7.0	
June	29.967	30.032	29.910	82.0	.....	85.9	75.1	80.5	90	71	72	....	71	....	.775	.....	2.89	1.69	3.9	.....	3.8	
July	29.969	30.055	29.878	81.2	.....	85.4	74.8	80.1	87	72	72	....	75	....	.794	.....	5.19	1.39	3.5	.....	5.0	
August	29.906	29.978	29.832	82.6	.....	86.8	75.9	81.4	89	71	73	....	73	....	.808	.....	2.96	.91	3.4	.....	3.4	
September	29.869	29.999	29.781	82.4	.....	86.6	75.4	81.0	88	73	73	....	73	....	.809	.....	5.83	1.81	2.9	.....	4.8	
October	29.840	29.966	29.796	80.8	.....	87.1	74.6	80.8	91	72	73	....	77	....	.803	.....	3.30	1.23	3.1	.....	4.6	
November	29.868	30.008	29.817	79.3	.....	85.2	73.5	79.4	89	70	72	....	77	....	.777	.....	3.49	.87	2.9	.....	3.6	
December	29.881	30.033	29.753	76.3	.....	82.2	71.4	76.8	87	66	69	....	79	....	.714	.....	10.86	2.37	4.7	.....	5.5	
Year	29.911	30.090	29.753	78.5	.....	83.4	72.6	78.0	91	63	70	....	74	....	.728	.....	61.39	2.37	4.3	.....	4.7	

Annual meteorological summary for the year ending December 31, 1911—Continued.

SANDUSKY, OHIO.

[H=629 ft.; h_1=62 ft.; h_2=55 ft.; h_3=70 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	32° or below. Minimum temperature below	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	9.5	SW	40	W.	1	2	2	1	0	4	12	7	3	0	7	5	19	11	7	9	3	0	1	10	0	24	0	0
February	9.9	W.	32	W.	0	4	0	4	2	2	5	7	4	0	5	6	17	11	8	9	5	0	2	9	0	23	0	0
March	10.7	W.	38	NW.	0	0	3	4	2	4	4	9	5	0	11	10	10	12	8	11	6	1	0	4	0	25	1	0
April	9.1	E.	36	NW.	0	5	1	5	2	5	6	4	2	0	11	4	15	13	9	2	1	0	1	1	0	5	0	0
May	7.2	SW.	34	W.	0	0	4	2	0	4	10	11	0	0	16	12	3	11	8	1	0	0	0	0	2	0	8	0
June	7.0	W.	38	N.	0	0	5	1	2	4	4	12	2	0	12	10	8	9	8	0	0	0	0	0	3	0	6	0
July	6.8	SW.	44	W.	1	0	2	0	0	7	11	8	2	0	15	11	5	8	5	0	0	1	0	0	9	0	4	0
August	6.4	NE	32	N.	0	1	4	1	4	7	8	5	0	1	10	14	7	9	7	0	0	0	0	0	2	0	6	0
September	7.0	NE.	31	NW.	0	6	2	1	5	4	6	3	2	0	14	9	7	12	8	0	0	0	0	0	1	0	7	0
October	7.5	SW.	34	W.	0	3	3	1	7	4	5	5	3	0	10	6	15	15	13	0	0	1	3	0	0	4	0	0
November	10.2	SW.	36	W.	0	2	0	0	4	2	13	6	3	0	4	13	13	12	8	9	7	0	0	2	0	19	0	0
December	8.4	SW.	35	W.	0	0	0	5	2	4	10	7	3	0	5	7	19	19	11	9	7	0	0	3	0	20	0	0
Year	8.3	SW.	44	W.	2	23	28	25	30	51	94	84	29	1	120	107	138	142	100	50	29	3	7	29	17	116	36	0

SAN FRANCISCO, CAL.

[H=155 ft.; h_1=200 ft.; h_2=191 ft.; h_3=204 ft.]

January	5.9	S.	44	SW.	1	10	5	1	2	15	8	12	8	1	11	5	15	18	16	0	0	0	0	0	0	0	0	0
February	6.7	NW.	27	NE.	0	7	9	0	4	7	4	15	10	0	15	4	9	11	10	2	1	1	1	0	0	0	1	0
March	8.2	W.	33	S.	0	5	5	0	5	10	4	23	9	1	10	10	11	10	10	0	0	0	0	0	0	0	1	0
April	8.9	W.	30	SW.	0	8	1	0	0	3	7	34	7	0	12	11	7	6	2	0	0	0	0	0	0	0	0	0
May	9.2	W.	27	SW.	0	3	0	1	0	1	15	37	5	0	13	12	6	4	3	0	0	0	0	0	0	0	0	0
June	11.5	W.	32	W.	0	0	0	0	2	2	11	43	2	0	11	14	5	1	0	0	0	0	0	0	0	0	0	0
July	12.5	W.	34	SW.	0	0	0	0	0	2	28	31	1	0	11	16	4	0	0	0	0	0	2	0	0	0	0	0
August	11.1	SW.	30	W.	0	0	0	0	0	0	26	34	2	0	6	18	7	0	0	0	0	0	3	0	0	0	0	0
September	8.5	W.	33	W.	0	0	0	0	2	4	14	35	5	0	14	11	5	0	0	0	0	0	1	0	0	0	0	0
October	5.9	SW.	30	SW.	0	4	2	0	2	5	13	28	8	0	18	9	4	3	2	0	0	0	2	0	0	0	0	0
November	5.2	NW.	28	SW.	0	8	8	3	2	5	2	22	10	0	18	10	2	5	3	0	0	0	0	0	0	0	0	0
December	4.9	NW.	30	NE.	0	8	9	3	1	5	4	19	12	1	18	6	7	12	9	0	0	0	1	0	0	0	0	0
Year	8.2	W.	44	SW.	1	53	39	8	20	59	136	333	79	3	157	126	82	70	55	2	1	1	10	0	0	0	2	0

SAN JOSE, CAL.

[H=141 ft.; h_1=12 ft.; h_2=3 ft.; h_3=110 ft.]

January	7.4	SE.	31	S.	0	1	0	1	11	3	1	7	7	0	12	2	17	19	18	0	0	0	0	0	0	5	0	0
February	6.8	SE.	35	NW.	0	0	0	0	6	1	1	9	11	0	15	1	12	9	7	0	0	0	1	0	0	2	0	0
March	7.1	NW.	36	SE.	0	2	0	0	4	2	2	9	12	0	10	10	11	11	9	0	0	0	1	0	0	0	0	0
April	6.3	NW.	25	E.	0	0	1	0	0	2	1	7	19	0	12	13	5	7	3	0	0	0	0	0	0	0	1	0
May	6.8	NW.	23	NW.	0	0	0	0	0	0	1	2	28	0	19	9	3	3	2	0	0	0	0	0	0	0	0	0
June	6.7	NW.	24	SE.	0	0	0	0	0	0	0	2	28	0	22	7	1	1	0	0	0	0	0	0	0	0	0	0
July	5.9	NW.	18	SE.	0	0	0	0	0	0	0	0	22	0	29	2	0	0	0	0	0	0	2	0	0	0	0	0
August	5.6	NW.	22	SE.	0	0	0	0	0	0	0	5	26	0	31	0	0	0	0	0	0	0	3	0	0	0	0	0
September	4.9	NW.	22	NW.	0	0	0	0	0	0	1	4	25	0	25	3	2	0	0	0	0	0	1	0	0	0	0	0
October	4.2	NW.	20	NW.	0	0	0	0	1	0	1	4	25	0	23	7	1	5	3	0	0	0	1	0	0	2	0	0
November	4.1	NW.	28	NW.	0	1	0	1	0	0	2	5	21	0	25	4	1	2	1	0	0	0	1	0	0	6	0	0
December	4.3	SE.	24	N.	0	1	0	0	2	3	3	12	10	0	19	7	5	11	8	0	0	0	1	0	0	9	0	0
Year	5.8	NW.	36	SE.	0	5	1	2	24	11	13	75	234	0	242	65	58	68	52	0	0	0	10	0	3	22	1	0

SAN JUAN, P. R.

[H=82 ft.; h_1=48 ft.; h_2=40 ft.; h_3=90 ft.]

January	14.9	E.	40	NE.	1	0	10	9	7	2	3	0	0	0	7	17	7	26	23	0	0	0	0	0	0	0	0	0
February	10.7	NE.	30	N.	0	2	5	6	8	1	4	1	1	0	6	18	4	16	9	0	0	0	0	0	0	0	0	0
March	10.2	NE.	30	NE.	0	0	12	4	10	3	2	0	0	0	18	12	1	11	9	0	0	0	0	0	0	0	0	0
April	11.4	NE.	31	NE.	0	0	7	12	10	0	0	1	0	0	12	10	8	15	12	0	0	0	0	0	0	0	3	0
May	9.6	E.	31	W.	0	0	1	15	11	1	1	0	1	1	4	11	16	24	23	0	0	0	0	0	0	0	11	0
June	13.1	E.	34	E.	0	0	1	20	8	1	0	0	0	0	17	11	2	12	9	0	0	0	0	0	1	0	4	0
July	10.7	E.	31	SE.	0	0	1	18	9	3	0	0	0	0	11	15	5	15	14	0	0	0	0	0	0	0	9	0
August	10.8	E.	31	SE.	0	0	2	19	9	0	1	0	0	0	19	10	2	17	11	0	0	0	0	0	0	0	5	0
September	9.0	E.	28	SE.	0	0	0	14	13	1	2	0	0	0	11	14	5	20	18	0	0	0	0	0	0	0	12	0
October	6.4	SE.	25	SE.	0	0	0	2	19	5	3	1	1	0	11	15	5	19	11	0	0	0	0	0	0	0	12	0
November	7.9	SE.	27	E.	0	0	0	4	14	6	5	1	0	0	17	11	2	22	17	0	0	0	0	0	0	0	6	0
December	9.4	SE.	36	E.	0	0	2	8	12	6	2	1	0	0	9	13	9	25	22	0	0	0	0	0	0	0	4	0
Year	10.3	E.	40	NE.	1	2	41	131	130	29	23	5	3	1	142	157	66	222	178	0	0	0	0	0	2	0	66	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

SAN LUIS OBISPO, CAL.

[ϕ=35° 18′ N.; λ=120° 39′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.891	30.190	29.573	48.4	58.0	60.9	44.3	52.6	78	33	40	44	75	61	0.254	0.303	14.31	3.26	5.6	5.8	6.4
February	29.868	30.203	29.550	43.1	53.9	56.4	40.9	48.6	70	34	38	44	83	71	.233	.294	4.86	1.65	3.5	4.1	5.1
March	29.864	30.000	29.568	50.9	59.5	63.6	49.0	56.3	81	43	46	51	82	74	.307	.370	11.92	5.98	6.5	6.5	7.0
April	29.844	30.050	29.651	49.2	57.2	62.5	47.0	54.8	78	38	43	47	79	70	.276	.324	1.32	.78	5.1	5.7	4.6
May	29.801	29.942	29.593	48.4	59.4	65.1	46.4	55.8	93	41	43	48	83	67	.280	.330	.08	.08	4.2	3.8	4.7
June	29.768	29.851	29.554	51.2	63.0	69.2	49.5	59.4	94	43	46	50	84	64	.313	.365	T.	T.	3.0	2.9	5.2
July	29.771	29.887	29.643	52.6	69.2	74.8	51.5	63.2	90	48	48	53	86	57	.338	.407	T.	T.	3.9	1.3	4.2
August	29.750	29.844	29.591	53.2	68.8	75.3	50.6	63.0	95	45	46	51	80	55	.316	.378	.00	.00	6.4	0.1	2.8
September	29.762	29.861	29.593	53.3	66.9	76.3	50.0	61.6	86	43	48	50	83	57	.332	.368	.02	.02	3.6	1.8	3.4
October	29.767	29.942	29.586	52.2	66.4	73.9	48.6	61.2	95	41	45	48	78	56	.300	.336	.12	.12	2.0	1.6	3.6
November	29.893	30.101	29.691	49.8	66.0	70.9	45.0	58.0	83	34	36	38	65	42	.217	.244	.46	.46	1.9	1.8	2.7
December	29.906	30.103	29.710	43.5	57.2	60.0	40.0	50.0	78	28	32	38	67	53	.191	.243	3.72	1.58	1.4	2.9	3.5
Year	29.824	30.203	29.550	49.6	62.1	67.2	46.9	57.0	95	28	43	47	79	61	.280	.330	36.81	5.98	4.8	3.0	4.4

SANTA FE, N. MEX.

[ϕ=35° 41′ N.; λ=105° 57′ W.]

January	23.290	23.477	22.893	29.1	35.8	44.2	24.7	34.4	58	− 8	20	25	69	65	0.118	0.141	0.45	.16	4.1	5.6	4.6
February	23.187	23.523	22.874	25.9	34.2	40.3	20.9	30.6	54	− 2	17	21	68	60	.095	.113	1.90	.76	5.9	5.2	4.9
March	23.280	23.494	22.971	33.1	48.4	53.5	29.9	41.7	67	10	24	26	67	45	.128	.143	.67	.26	3.5	5.2	4.1
April	23.179	23.494	22.928	38.6	54.0	58.9	35.3	47.1	68	27	25	34	58	35	.138	.134	.48	.37	4.0	5.4	4.3
May	23.241	23.412	23.000	50.3	64.5	69.3	43.8	53.6	78	30	31	27	49	27	.181	.155	1.00	.47	2.4	4.9	3.4
June	23.336	23.540	23.174	58.6	71.3	76.8	53.1	65.0	84	43	38	37	50	32	.244	.230	.66	.44	3.7	6.8	4.6
July	23.392	23.579	23.202	58.5	67.2	74.4	54.7	64.6	81	51	52	51	78	60	.383	.379	5.50	1.77	5.3	7.9	5.5
August	23.371	23.484	23.197	58.5	74.2	79.5	54.8	67.2	87	46	43	42	59	35	.284	.279	.51	.27	2.6	5.4	3.8
September	23.369	23.482	23.195	53.3	67.8	74.3	51.3	62.8	80	43	43	44	69	46	.282	.299	1.17	.44	3.5	6.3	4.1
October	23.296	23.464	23.055	38.7	49.5	57.7	35.8	46.8	74	21	29	33	69	56	.169	.194	3.13	1.83	3.1	3.3	2.9
November	23.264	23.493	22.865	25.3	32.1	43.2	21.4	32.3	59	− 8	18	24	73	68	.102	.126	1.34	.40	3.5	3.1	3.1
December	23.138	23.546	22.874	18.0	24.9	35.6	12.5	24.0	52	− 6	9	16	64	68	.062	.088	.22	.08	2.3	3.1	3.0
Year	23.279	23.579	22.865	40.7	52.0	59.0	36.5	47.8	87	− 8	29	32	64	50	.182	.190	17.12	1.83	3.7	5.2	4.0

SAULT STE. MARIE, MICH.

[ϕ=46° 30′ N.; λ=84° 21′ W.]

January	29.348	29.761	28.558	11.8	16.2	23.0	5.2	14.1	37	−17	8	12	84	82	0.070	0.080	1.00	0.34	8.1	8.2	8.6
February	29.389	29.832	28.896	14.4	19.9	25.0	9.2	17.1	46	−18	10	15	83	80	.075	.088	1.48	.78	7.6	6.8	7.9
March	29.275	29.882	28.684	18.8	25.5	32.1	13.6	22.8	50	− 6	14	19	80	74	.089	.105	1.45	.48	5.8	5.2	6.0
April	29.413	29.891	28.582	34.1	40.2	47.2	28.8	38.0	74	6	27	28	74	64	.154	.163	1.22	.80	5.3	4.6	5.4
May	29.316	29.690	28.749	48.8	55.2	63.9	42.0	53.0	90	22	43	43	82	66	.299	.305	4.19	.99	5.5	6.4	5.8
June	29.274	29.595	28.850	58.0	63.1	70.0	49.9	60.0	80	41	53	53	83	71	.403	.414	3.19	1.03	7.0	5.8	6.6
July	29.262	29.586	28.543	60.6	67.0	74.2	53.2	63.7	97	39	56	56	86	71	.452	.467	3.31	1.36	4.7	5.6	5.2
August	29.335	29.671	29.005	58.4	62.7	71.8	52.7	62.2	83	40	55	56	88	78	.439	.452	2.39	.94	4.8	5.1	5.9
September	29.380	29.704	28.960	49.3	54.4	62.3	44.7	53.5	78	29	46	48	90	79	.323	.340	1.83	.59	6.3	5.3	6.3
October	29.379	29.632	28.694	39.7	45.3	51.5	36.0	43.8	70	21	37	38	90	77	.228	.239	3.17	.92	7.0	6.1	7.9
November	29.192	29.782	28.383	26.8	30.5	35.4	22.1	28.8	58	8	23	26	86	81	.129	.143	3.55	1.40	8.5	8.3	9.0
December	29.360	29.894	28.617	25.5	27.4	31.1	21.8	26.4	47	4	22	24	86	86	.125	.133	2.30	.99	9.3	6.4	8.5
Year	29.327	29.894	28.383	37.2	42.3	49.0	31.6	40.3	97	−18	33	35	84	76	.232	.244	29.08	1.40	6.7	6.2	6.9

SAVANNAH, GA.

[ϕ=32° 5′ N.; λ=81° 5′ W.]

January	30.197	30.555	29.836	48.5	54.5	64.1	44.5	54.3	77	26	45	46	87	76	0.317	0.332	1.03	0.47	5.3	3.1	4.4
February	30.093	30.476	29.728	50.1	56.6	66.9	46.5	56.7	79	31	44	46	81	72	.315	.338	.70	.50	4.9	1.7	4.2
March	30.039	30.378	29.512	53.0	59.9	68.7	49.5	59.1	86	36	46	45	79	63	.332	.327	1.35	1.17	4.6	1.8	3.8
April	30.052	30.340	29.733	61.9	64.6	73.9	57.5	65.7	86	45	56	56	82	76	.467	.462	2.69	1.55	6.4	4.7	5.9
May	29.991	30.173	29.826	69.2	71.7	80.9	64.2	72.6	96	49	62	63	79	74	.579	.582	.13	.07	4.3	3.5	4.2
June	29.928	30.107	29.716	77.4	79.1	91.2	71.3	81.2	99	64	69	70	77	74	.719	.729	6.11	2.72	4.0	6.6	4.8
July	30.004	30.190	29.818	76.7	78.5	87.4	71.2	79.3	92	65	71	70	83	77	.762	.742	3.89	2.02	5.5	6.4	6.3
August	29.920	30.125	29.947	77.1	79.3	87.6	72.4	80.0	94	66	72	73	86	81	.800	.808	5.77	2.95	5.7	6.2	6.2
September	30.000	30.159	29.800	75.9	78.4	87.9	72.3	80.1	95	69	72	72	88	83	.791	.800	4.00	1.66	4.8	1.9	5.4
October	29.969	30.180	29.720	67.3	71.1	78.7	64.3	71.5	93	53	63	64	86	79	.593	.606	4.58	1.72	6.9	4.7	6.2
November	30.062	30.426	29.729	52.2	56.8	65.4	47.1	56.2	80	28	46	46	80	69	.352	.344	1.23	0.69	6.5	4.7	5.9
December	30.109	30.459	29.787	49.8	56.4	63.6	47.7	55.6	75	30	45	48	83	75	.328	.368	4.69	2.14	6.0	4.5	5.8
Year	30.030	30.555	28.947	63.3	67.2	76.4	59.0	67.7	99	26	58	58	83	75	.530	.536	36.17	2.95	5.4	4.2	5.3

Annual meteorological summary for the year ending December 31, 1911—Continued.

SAN LUIS OBISPO, CAL.

[H=201 ft.; h_t=47 ft.; h_r=40 ft.; h_a=54 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	5.7	SE.	25	S.	0	14	3	1	12	10	3	9	9	1	8	8	15	14	14	0	0	0	2	0	0	0	1	0
February	5.4	W.	30	W.	0	11	0	1	4	9	3	17	11	0	11	6	11	12	12	0	0	3	0	0	0	0	0	0
March	6.4	NW.	30	SE.	0	9	2	1	8	12	5	11	13	1	7	4	20	12	11	0	0	0	1	0	0	0	0	0
April	6.0	NW.	24	W.	0	10	2	0	1	5	1	24	17	0	15	4	11	7	3	0	0	0	1	0	0	0	1	0
May	6.8	NW.	30	W.	0	14	1	0	1	6	2	22	16	0	12	8	11	2	1	0	0	0	5	0	1	0	0	0
June	5.5	NW.	24	NW.	0	9	0	0	4	1	4	27	15	0	7	15	8	0	0	0	0	0	1	0	1	0	0	0
July	4.4	NW.	16	NW.	0	5	0	0	2	4	3	15	33	0	15	14	2	0	0	0	0	0	2	0	2	0	0	0
August	5.0	NW.	22	N.	0	11	0	1	1	2	4	19	19	5	18	13	0	0	0	0	0	0	3	0	3	0	0	0
September	5.2	NW.	22	W.	0	14	0	2	2	4	3	19	13	3	20	3	7	1	0	0	0	0	5	0	0	0	0	0
October	5.0	NW.	22	NE.	0	13	5	2	2	3	5	14	15	3	15	10	6	1	1	0	0	0	6	0	3	0	0	0
November	5.1	N.	25	N.	0	18	5	0	6	3	1	11	13	3	19	7	4	1	1	0	0	0	2	0	0	0	0	0
December	4.9	N.	20	N.	0	23	3	1	1	2	3	13	15	1	19	4	8	8	6	0	0	0	0	0	0	4	0	0
Year	5.4	W.	30	W.	0	151	21	9	44	61	37	201	189	17	166	96	103	58	49	0	0	3	28	0	10	4	3	0

SANTA FE, N. MEX.

[H=7,013 ft.; h_t=8 ft.; h_r=3 ft.; h_a=56 ft.]

January	7.8	NE.	42	N.	1	10	22	8	6	2	8	2	4	0	13	12	6	9	5	6	2	0	3	3	0	23	0	0
February	8.0	NE.	30	N.	0	10	7	6	6	13	9	3	2	0	11	10	7	10	9	12	8	0	1	8	0	26	0	0
March	8.5	NE.	39	W.	0	9	18	4	10	5	5	6	5	0	13	15	3	9	5	3	0	2	3	0	0	22	2	0
April	9.7	SW.	45	SE.	1	7	13	9	10	1	12	5	3	0	13	15	2	8	2	2	2	0	0	0	0	8	3	0
May	10.7	SE.	40	E.	1	3	11	7	16	3	16	4	2	0	18	11	2	7	4	1	1	2	0	0	0	3	13	0
June	8.6	SW.	38	E.	0	4	11	13	13	3	11	4	1	0	11	18	1	7	7	0	0	1	0	0	0	0	12	0
July	6.9	NE.	35	E.	0	6	17	17	19	2	6	1	3	0	7	17	7	19	12	0	0	0	1	0	0	0	22	0
August	7.4	NE.	34	NW.	0	5	20	9	6	4	7	6	5	0	14	16	1	8	5	0	0	0	1	0	0	0	13	0
September	6.8	SW.	35	N.	0	6	13	10	7	9	9	4	2	0	12	16	2	8	5	0	0	0	0	0	0	0	11	0
October	7.4	NE.	33	N.	0	8	21	5	7	2	13	4	2	0	22	4	5	8	6	4	4	0	0	0	0	13	1	0
November	9.5	NE.	42	NW.	1	9	27	6	5	4	4	2	3	0	18	9	3	9	7	11	9	0	3	4	0	28	0	0
December	8.6	NE.	32	N.	0	7	32	8	13	1	0	1	0	0	18	12	1	6	4	11	6	0	0	13	0	31	0	0
Year	8.3	NE.	45	SE.	4	84	212	102	109	49	100	42	32	0	170	155	40	108	71	50	32	5	11	28	0	154	77	0

SAULT STE. MARIE, MICH.

[H=614 ft.; h_t=11 ft.; h_r=3 ft.; h_a=61 ft.]

January	9.8	E.	49	W.	5	3	3	18	11	2	5	6	14	0	4	1	26	18	11	24	18	0	0	23	0	31	0	0
February	11.0	E.	38	W.	0	1	3	17	7	1	7	7	13	0	5	3	20	15	8	14	13	0	1	23	0	28	0	0
March	10.8	NW.	46	NW.	1	5	3	13	12	0	5	7	16	1	10	6	15	12	6	14	10	0	0	15	0	30	1	0
April	9.1	W.	34	W.	0	2	3	14	10	0	5	16	10	0	11	8	11	9	5	8	5	0	0	2	0	19	0	0
May	9.0	SE.	34	W.	0	3	2	11	14	5	7	13	7	0	10	10	11	14	11	1	1	0	1	1	1	5	6	0
June	7.6	SE.	37	W.	0	0	3	10	19	6	3	11	7	1	7	9	14	11	9	0	0	0	0	0	0	0	6	0
July	8.2	W.	48	NW.	1	0	1	10	14	4	9	13	11	0	12	10	9	15	11	0	0	0	0	0	0	3	3	0
August	7.6	NW.	36	W.	0	4	1	11	8	3	5	11	18	1	9	10	12	6	5	0	0	0	1	0	0	0	3	0
September	7.3	SE.	36	NW.	0	7	5	11	12	4	4	7	10	0	8	10	12	14	9	0	0	0	1	0	0	1	1	2
October	7.4	E.	48	W.	1	0	8	12	9	3	12	7	11	0	5	3	23	15	12	3	1	0	2	0	0	6	1	0
November	11.9	E.	46	NW.	2	4	3	10	10	4	9	8	12	0	2	3	25	19	13	18	14	0	0	12	0	26	1	0
December	8.6	SW.	36	W.	0	6	7	10	14	3	17	1	4	0	3	2	26	14	9	15	11	0	0	12	0	27	0	0
Year	9.0	E.	49	W.	10	35	42	147	140	35	88	107	133	3	86	75	204	162	109	97	73	1	5	88	4	173	22	2

SAVANNAH, GA.

[H=65 ft.; h_t=150 ft.; h_r=143 ft.; h_a=194 ft.]

January	11.7	W.	32	W.	0	9	10	2	7	11	7	12	4	0	14	9	8	5	4	0	0	0	3	0	0	3	0	0
February	11.9	SW.	32	E.	0	7	5	6	1	14	9	6	8	0	13	8	7	3	3	0	0	0	5	0	0	2	0	0
March	13.7	W.	54	W.	3	4	10	5	4	13	10	10	6	0	17	6	8	5	5	0	0	0	2	0	0	0	0	0
April	14.7	E.	39	E.	0	3	9	11	9	13	8	3	4	0	10	7	13	11	7	0	0	0	0	0	0	0	1	0
May	11.7	SE.	39	E.	0	6	9	8	15	15	1	7	1	0	15	10	6	5	2	0	0	0	1	0	0	3	0	2
June	10.2	SW.	46	N.	2	3	1	1	8	13	15	14	4	1	8	18	6	9	8	0	0	0	1	0	0	18	0	15
July	9.3	SW.	36	SW.	0	2	2	3	9	13	12	14	7	0	2	20	9	12	10	0	0	0	0	0	0	5	0	11
August	11.4	S.	88	NW.	3	8	5	4	11	18	3	9	4	0	3	18	10	15	13	0	0	0	0	0	0	8	0	10
September	8.0	SW.	35	E.	0	5	6	6	7	17	8	5	6	0	6	19	5	13	12	0	0	0	0	0	10	0	10	0
October	10.4	NE.	39	E.	0	10	19	6	8	5	5	4	5	0	8	11	12	8	8	0	0	0	0	0	3	0	2	0
November	12.0	NE.	44	NW.	1	9	14	5	3	5	3	12	9	0	7	13	10	8	5	1	0	0	0	4	0	2	0	0
December	12.0	NE.	42	NW.	2	9	21	9	1	5	5	6	6	0	9	8	14	11	9	0	0	0	4	0	0	1	0	0
Year	11.4	S.	88	NW.	11	75	111	66	83	142	86	102	64	1	112	145	108	105	86	1	0	1	19	0	47	8	51	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

SCRANTON, PA.

[ϕ=41° 24′ N.; λ=75° 42′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.272	29.770	28.527	28.9	33.1	39.1	23.8	31.4	51	8	23	26	77	76	0.129	0.154	2.67	0.73	7.0	5.3	6.5
February	29.226	29.709	28.767	26.2	29.5	35.2	21.2	28.2	56	9	21	23	79	76	.115	.130	1.90	.45	8.1	7.1	7.5
March	29.136	29.729	28.356	28.8	34.8	42.2	24.6	33.4	65	9	23	28	79	76	.129	.160	1.99	.75	5.7	6.5	6.5
April	29.264	29.748	28.754	40.9	49.8	56.4	35.9	46.2	82	19	31	38	68	66	.182	.243	2.85	.60	5.6	4.9	5.3
May	29.193	29.567	28.605	60.5	68.9	77.8	53.7	65.8	93	33	50	55	69	64	.392	.477	2.26	.80	4.3	4.8	5.1
June	29.107	29.391	28.806	63.2	69.9	76.4	56.7	66.6	93	46	57	60	80	71	.469	.522	4.90	1.30	6.1	5.3	6.2
July	29.177	29.415	28.785	70.2	77.1	84.8	62.8	73.8	99	49	61	64	72	66	.550	.619	2.88	1.07	4.4	5.4	4.9
August	29.194	29.416	28.907	66.8	72.1	79.3	60.8	70.0	93	47	59	61	77	70	.514	.551	6.84	2.90	6.0	6.3	6.4
September	29.224	29.542	28.826	59.0	65.0	71.9	52.9	62.4	86	34	55	57	86	75	.441	.479	2.90	.99	6.8	3.3	5.1
October	29.238	29.653	28.824	46.3	53.4	59.5	42.6	51.0	74	26	42	45	85	75	.278	.314	4.00	1.02	6.0	5.7	6.6
November	29.166	29.670	28.498	35.5	39.1	45.7	30.4	38.0	66	21	29	30	76	70	.167	.176	1.86	.64	7.1	7.1	7.8
December	29.287	29.696	28.641	33.6	37.5	44.3	30.8	37.6	65	14	28	31	79	76	.163	.181	2.36	.65	7.8	6.3	7.6
Year	29.207	29.770	28.356	46.7	52.5	59.4	41.4	50.4	99	8	40	43	77	72	.294	.334	37.41	2.90	6.2	5.7	6.3

SEATTLE, WASH.

[ϕ=47° 38′ N.; λ=122° 20′ W.]

January	29.842	30.502	29.035	36.5	39.5	41.7	34.2	38.0	50	19	34	34	90	82	0.197	0.203	3.67	1.26	8.7	8.8	8.8
February	29.978	30.485	29.065	36.3	43.0	45.1	34.4	39.8	51	27	31	33	82	69	.178	.192	1.42	.30	7.2	6.4	7.1
March	29.995	30.378	29.424	39.4	51.8	53.6	38.1	45.8	63	31	37	39	90	62	.221	.238	.88	.42	6.5	4.7	5.8
April	29.967	30.433	29.493	39.8	51.7	54.8	38.4	46.6	71	31	37	36	89	56	.219	.210	1.21	.82	7.0	5.4	5.9
May	29.879	30.359	29.199	46.5	58.0	59.9	45.5	52.7	78	40	43	43	88	59	.277	.277	2.48	.54	8.3	6.2	7.1
June	29.962	30.173	29.700	50.0	63.2	64.7	49.2	57.0	77	45	46	46	85	56	.307	.321	.44	.27	8.2	4.8	6.3
July	29.950	30.212	29.625	56.2	72.4	74.6	55.3	65.0	92	50	50	50	82	47	.367	.362	.18	.12	6.7	3.7	4.5
August	29.937	30.118	29.778	54.6	69.4	71.4	53.8	62.6	81	50	52	51	90	54	.381	.373	.13	.13	6.7	3.9	5.3
September	29.919	30.195	29.603	52.0	59.9	63.4	50.8	57.1	75	42	49	49	91	69	.354	.353	3.27	1.64	7.7	6.7	7.2
October	29.986	30.280	29.459	47.4	56.7	59.3	45.7	52.5	74	36	45	46	91	69	.297	.314	1.00	.39	6.7	5.5	6.8
November	29.978	30.421	29.345	42.7	46.4	49.3	40.1	44.7	57	22	38	39	85	78	.240	.248	3.26	1.01	8.1	8.0	8.2
December	29.986	30.478	29.389	40.7	42.5	44.7	37.7	41.2	53	30	38	39	89	86	.228	.236	3.75	.75	7.8	8.5	8.8
Year	29.948	30.502	29.035	45.2	54.5	56.9	43.6	50.2	92	19	42	42	88	66	.272	.277	21.69	1.64	7.5	6.0	6.8

SHERIDAN, WYO.

[ϕ=44° 48′ N.; λ=106° 57′ W.]

January	26.014	26.502	25.542	14.3	22.2	33.9	5.2	19.6	57	−27	9	15	84	76	0.077	0.094	1.39	0.50	6.3	6.4	5.6
February	26.133	26.713	25.631	12.0	24.6	32.7	8.2	20.4	52	−20	10	17	91	72	.068	.094	.40	.23	5.1	4.8	4.7
March	26.084	26.478	25.621	28.7	47.4	53.2	24.3	38.8	71	− 4	21	27	74	47	.113	.142	.30	.24	5.2	3.7	3.5
April	26.034	26.498	25.604	32.1	51.6	55.2	29.0	42.1	76	6	25	25	76	40	.138	.140	.75	.25	5.3	6.1	5.7
May	26.014	26.330	25.572	43.4	61.2	66.4	38.4	52.4	86	28	37	38	79	48	.226	.240	1.22	.47	5.0	6.5	6.0
June	26.063	26.431	25.766	55.7	75.5	80.7	50.0	65.4	91	38	49	47	77	41	.349	.341	1.66	1.24	4.4	6.1	5.7
July	26.172	26.540	25.743	54.1	76.6	80.9	46.8	63.8	97	36	44	45	69	35	.286	.301	.80	.50	3.5	4.7	4.5
August	26.146	26.394	25.867	51.1	73.0	78.1	47.8	63.0	94	31	45	47	80	44	.305	.327	1.24	.52	4.2	6.2	5.8
September	26.112	26.321	25.896	43.8	64.8	71.7	41.0	56.4	89	29	39	42	83	47	.240	.277	1.54	.34	5.2	5.8	5.5
October	26.169	26.581	25.670	30.6	46.0	55.2	26.7	41.0	82	11	26	31	83	59	.144	.175	1.22	.42	4.3	4.5	5.7
November	26.092	26.656	25.590	20.1	28.6	38.5	13.7	26.1	58	−15	16	20	85	71	.097	.114	.58	.37	5.6	6.0	7.2
December	26.052	26.408	25.507	15.6	21.2	32.0	8.7	20.4	53	−24	12	16	84	78	.078	.093	.54	.40	4.7	4.7	5.5
Year	26.090	26.715	25.507	33.5	49.4	56.5	28.3	42.4	97	−27	28	31	80	55	.177	.195	11.64	1.24	4.9	5.5	5.4

SHREVEPORT, LA.

[ϕ=32° 30′ N.; λ=93° 40′ W.]

January	29.935	30.347	29.487	48.8	57.8	63.8	46.1	55.0	83	12	44	46	85	67	0.337	0.356	0.68	0.58	6.5	3.7	5.7
February	29.857	30.476	29.430	51.4	59.9	65.9	48.7	57.3	82	26	47	46	84	63	.358	.352	1.79	.80	7.1	6.2	6.6
March	29.816	30.138	29.497	53.2	68.2	72.7	51.9	62.3	90	33	46	46	78	49	.338	.338	2.32	.87	3.9	3.9	3.9
April	29.721	30.109	29.355	59.2	68.6	74.3	55.9	65.1	89	44	54	56	85	66	.443	.459	9.90	3.77	7.3	5.8	5.9
May	29.772	30.044	29.387	66.4	79.6	84.6	62.6	73.6	97	47	58	57	75	48	.503	.475	.89	.49	2.0	2.2	2.4
June	29.688	29.803	29.518	76.6	89.8	94.7	73.3	84.0	101	66	67	64	73	46	.668	.615	1.23	.71	2.1	3.5	2.7
July	29.750	29.988	29.553	73.5	82.5	89.1	71.5	80.3	98	63	68	69	85	66	.704	.715	3.66	1.17	6.4	7.0	6.3
August	29.683	29.804	29.550	73.8	83.7	91.3	72.0	81.6	102	62	68	69	84	65	.700	.722	9.75	5.25	4.9	5.8	5.3
September	29.755	29.888	29.502	74.2	85.3	92.0	73.0	82.5	96	66	71	72	90	65	.757	.781	.93	.87	2.1	2.5	2.8
October	29.782	30.061	29.545	58.6	70.0	77.0	56.8	66.9	94	38	55	56	89	63	.409	.479	.73	.35	4.4	3.4	4.4
November	29.881	30.342	29.392	45.6	56.2	63.2	41.5	52.4	83	22	38	40	74	56	.271	.284	2.66	1.13	4.8	2.9	4.8
December	29.843	30.274	29.433	42.8	50.6	55.5	40.2	47.8	71	25	38	40	84	71	.252	.272	10.44	2.36	5.7	5.5	6.3
Year	29.790	30.476	29.355	60.3	71.0	77.0	57.8	67.4	102	12	54	55	82	60	.483	.487	44.98	5.25	4.8	4.4	4.8

Annual meteorological summary for the year ending December 31, 1911—Continued.

SCRANTON, PA.

[H=805 ft.; h_t=111 ft.; h_r=102 ft.; h_a=119 ft.]

Month.	Wind.				Number of winds, 8 a. m. and 8 p. m.									Number of days.												
	By self-register.																Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	7.0	SW.	39	W.	0	5	3	4	1	9	20	6	14	0	6	12	13	15	11	10	4	0	7	6	0	24	0	0
February	8.7	SW.	31	W.	0	7	8	2	2	7	12	9	9	0	4	7	17	12	10	18	10	0	1	10	0	26	0	0
March	10.1	SW.	46	W.	3	3	12	3	4	7	16	6	11	0	7	8	16	16	10	13	10	0	0	5	0	26	2	0
April	7.7	NE.	28	W.	0	11	12	1	8	4	10	4	10	0	9	11	10	12	11	5	4	0	0	0	0	10	0	0
May	6.0	S.	42	S.	2	10	11	3	5	11	9	3	9	1	11	9	11	10	7	1	0	0	0	0	6	0	11	0
June	6.1	NW.	32	NW.	0	7	12	0	2	9	14	4	12	0	5	13	12	14	14	0	0	1	0	0	1	0	12	0
July	5.7	SW.	36	NW.	0	6	8	3	6	17	11	3	8	0	9	16	6	13	9	0	0	2	0	0	9	0	13	0
August	5.5	N.	35	W.	0	12	8	5	8	7	10	3	9	0	7	10	14	18	14	0	0	0	0	0	1	0	7	0
September	5.9	S.	22	SE.	0	8	10	5	3	12	6	2	14	0	9	14	7	11	8	0	0	0	0	0	0	0	1	0
October	5.7	N.	28	SW.	0	22	10	1	5	8	6	0	10	0	9	6	16	14	12	0	0	0	6	0	0	3	0	0
November	8.5	S.	37	SW.	0	6	2	1	4	17	15	8	7	0	1	12	17	8	6	12	4	0	1	2	0	20	0	0
December	6.9	S.	42	W.	1	11	6	3	2	15	11	5	9	0	5	7	19	15	10	7	5	0	1	4	0	19	0	0
Year	7.0	SW.	46	W.	6	108	102	31	50	123	140	53	122	1	82	125	158	158	122	66	37	3	16	27	17	128	46	0

SEATTLE, WASH.

[H=123 ft.; h_t=215 ft.; h_r=209 ft.; h_a=250 ft.]

January	10.9	S.	55	S.	3	4	1	11	14	22	7	1	2	0	0	7	24	19	12	12	10	0	0	2	0	7	0	0
February	9.0	SE.	48	S.	2	7	6	12	10	7	0	2	0	4	10	14	12	8	5	3	0	0	0	0	0	9	0	0
March	7.7	N.	47	SW.	3	15	4	4	11	8	8	0	12	0	8	12	11	8	6	0	0	0	5	0	0	2	0	0
April	7.9	N.	49	SW.	2	10	7	5	7	4	7	3	15	2	3	19	8	5	5	1	1	2	4	0	0	1	1	0
May	8.7	S.	34	SW.	0	5	5	3	8	21	9	2	9	0	6	9	16	18	15	0	0	0	0	0	0	0	0	0
June	7.7	S.	33	SW.	0	7	10	2	10	8	10	5	8	0	8	10	12	6	3	0	0	1	0	0	0	0	1	0
July	6.8	N.	34	SW.	0	13	8	0	4	10	6	5	16	0	14	9	8	4	3	0	0	0	0	0	2	0	0	0
August	5.8	N.	24	N.	0	16	9	0	3	8	12	8	12	0	12	9	10	2	2	0	0	0	2	0	0	0	2	0
September	7.1	S.	36	N.	0	12	7	1	13	12	4	4	7	0	3	10	17	10	8	0	0	0	2	0	0	0	3	0
October	6.0	N.	32	S.	0	16	6	3	10	10	7	2	7	1	5	10	16	8	6	0	0	0	10	0	0	0	0	0
November	11.9	S.	52	SW.	5	6	7	3	19	10	13	1	1	0	1	8	21	19	15	3	3	1	5	1	0	4	0	0
December	9.3	SE.	53	S.	1	2	5	2	24	16	9	0	4	0	0	6	25	21	16	6	4	2	5	0	0	1	0	0
Year	8.2	S.	55	S.	16	107	75	46	135	139	99	31	95	3	64	119	182	133	99	27	21	6	33	3	2	24	7	0

SHERIDAN, WYO.

[H=3,790 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

January	6.9	NW.	50	NW.	6	4	5	1	13	10	10	4	15	0	10	6	15	9	7	13	8	0	2	12	0	31	0	0
February	4.9	NW.	35	SW.	0	4	6	4	13	11	2	1	15	0	11	9	8	6	2	11	6	0	0	12	0	28	0	0
March	7.5	NW.	46	NW.	2	5	4	4	7	8	9	4	20	1	17	9	5	3	2	4	2	0	0	0	0	28	0	0
April	8.4	NW.	48	SW.	2	6	3	6	12	4	5	5	19	0	10	7	13	11	6	8	5	0	0	0	0	20	1	0
May	8.6	NW.	44	NW.	1	0	8	4	12	4	4	4	25	1	9	8	14	12	6	1	0	0	0	0	0	5	7	0
June	6.1	NW.	48	NW.	2	7	7	8	14	5	4	3	12	0	8	13	9	8	6	0	0	2	0	0	3	0	12	0
July	6.2	NW.	46	NW.	2	5	7	7	9	7	5	2	20	0	14	5	12	9	5	0	0	0	0	0	4	0	10	0
August	5.8	NW.	37	SE.	0	7	6	4	7	11	1	7	19	0	10	9	12	8	5	0	0	0	0	0	5	1	11	0
September	5.7	NW.	37	W.	0	1	7	9	7	9	4	8	15	0	12	6	12	9	9	0	0	0	0	0	0	5	5	0
October	6.5	NW.	46	NW.	1	8	4	0	9	13	2	11	15	0	10	5	16	10	7	7	5	0	0	1	0	23	0	0
November	6.6	NW.	50	NW.	2	7	5	1	12	9	3	7	16	0	6	6	18	10	3	13	8	0	1	8	0	29	0	0
December	5.2	NW.	44	SW.	1	3	1	2	13	14	7	1	21	0	10	13	8	7	3	12	7	0	1	12	0	31	0	0
Year	6.5	NW.	50	NW.	19	57	63	50	128	105	56	57	212	2	127	96	142	102	61	69	41	2	4	45	12	201	46	0

SHREVEPORT, LA.

[H=249 ft.; h_t=68 ft.; h_r=59 ft.; h_a=74 ft.]

January	6.7	S.	18	SW.	0	3	6	10	9	24	6	0	4	0	9	11	11	6	3	1	1	0	0	1	0	5	0	0
February	7.0	S.	26	NW.	0	8	4	12	11	16	0	0	5	0	8	3	17	8	7	0	0	0	0	0	0	4	2	0
March	6.6	S.	26	NW.	0	10	2	10	12	19	3	3	3	0	18	8	5	6	5	0	0	0	0	0	0	2	2	0
April	6.8	E.	25	NE.	0	2	10	15	14	11	1	4	3	0	8	9	13	14	13	0	0	0	0	0	0	0	12	0
May	4.9	SE.	29	NW.	0	1	3	12	25	11	4	1	5	0	24	4	3	3	2	0	0	0	0	0	0	0	2	0
June	5.4	S.	26	NE.	0	2	5	6	18	23	3	0	3	0	24	4	2	4	3	0	0	0	0	0	25	0	3	0
July	4.8	SE.	21	SE.	0	2	3	8	22	20	3	1	3	0	4	16	11	12	10	0	0	0	0	0	14	0	13	0
August	4.9	S.	24	E.	0	2	9	8	15	23	2	0	2	1	10	13	8	11	10	0	0	0	0	0	21	0	8	0
September	4.3	SE.	21	S.	0	0	1	13	34	11	0	1	0	0	22	5	3	5	2	0	0	0	0	0	24	0	4	0
October	5.0	SE.	18	N.	0	9	14	9	21	4	0	4	1	0	15	6	10	6	3	0	0	0	0	0	6	0	0	0
November	7.0	SE.	32	NW.	0	5	10	7	15	10	4	1	7	1	14	5	11	8	7	0	0	0	1	0	0	7	0	0
December	5.9	SE.	24	S.	0	5	9	9	19	7	4	2	7	0	9	5	17	17	15	0	0	0	0	0	0	4	0	0
Year	5.7	SE.	32	NW.	0	49	76	119	215	179	30	17	43	2	165	89	111	100	80	1	1	0	1	1	100	20	46	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

SIOUX CITY, IOWA.

[ϕ=42° 29′ N.; λ=96° 24′ W.]

Month.	Pressure.			Temperature.							Moisture.											
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.	
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	28.872	29.385	28.313	14.8	21.4	29.9	9.3	19.6	56	−20	11	15	83	76	0.082	0.098	0.65	0.52	6.0	6.6	6.7	
February	28.932	29.558	28.297	19.8	27.3	32.2	15.9	24.0	49	− 2	16	21	84	75	.098	.116	1.58	1.10	5.9	4.4	5.2	
March	28.806	29.332	28.263	32.0	45.6	51.8	28.7	40.2	72	10	24	24	71	46	.134	.137	.38	.19	3.8	3.9	4.0	
April	28.788	29.272	28.119	39.6	52.9	56.8	37.4	47.1	73	22	32	33	74	54	.189	.205	3.48	1.01	5.9	4.9	5.7	
May	28.686	29.141	28.082	56.2	70.6	74.9	53.5	64.2	92	31	47	50	72	51	.340	.389	1.54	1.40	4.3	4.3	4.5	
June	28.601	28.925	28.436	67.7	84.0	87.6	64.4	76.0	101	54	57	57	70	42	.474	.481	2.12	1.36	3.8	3.8	3.3	
July	28.757	29.071	28.439	66.8	82.1	86.3	62.1	74.2	103	49	56	55	69	41	.456	.445	1.56	.78	3.0	2.9	3.3	
August	28.778	29.119	28.491	62.2	78.1	81.6	60.4	71.0	95	43	56	58	82	52	.468	.504	2.86	.96	5.2	4.5	4.2	
September	28.778	29.044	28.514	58.1	70.0	75.8	55.4	65.6	96	38	53	57	85	66	.424	.434	3.14	1.43	6.3	3.7	5.3	
October	28.840	29.269	28.322	41.9	50.5	55.8	40.3	48.0	73	23	39	42	88	73	.250	.280	3.22	2.14	5.6	4.2	4.8	
November	28.807	29.634	28.337	23.2	32.2	37.9	19.4	28.6	54	− 1	18	22	79	66	.106	.125	.62	.36	5.9	4.5	5.4	
December	28.827	29.222	28.323	21.7	27.2	32.8	17.9	25.4	51	− 8	18	21	87	79	.105	.121	2.87	.93	5.5	4.8	5.5	
Year	28.797	29.634	28.082	42.0	53.5	58.6	38.7	48.7	103	−20	36	38	79	60	.260	.282	24.02	2.14	5.1	4.4	4.8	

SOUTHEAST FARALLON ISLAND, CAL.

[ϕ=37° 42′ N.; λ=123° 0′ W.]

January	30.022	30.376	29.684	.....	51.0	53.4	48.3	50.8	58	43	....	46	....	86	.....	0.318	7.57	1.38	.....	5.7	6.0	
February	30.037	30.342	29.597	.....	49.9	52.0	46.9	49.4	58	39	....	43	....	77	.....	.277	2.67	.69	.....	3.7	4.2	
March	30.024	30.207	29.610	.....	51.8	54.1	48.5	51.3	66	42	....	47	....	84	.....	.323	2.84	1.12	.....	6.0	6.0	
April	30.048	30.252	29.808	.....	50.8	51.9	48.5	50.2	56	46	....	45	....	81	.....	.300	1.00	.66	.....	4.7	4.7	
May	30.007	30.129	29.776	.....	51.7	52.7	49.2	51.0	60	48	....	48	....	86	.....	.330	.25	.17	.....	3.2	3.8	
June	29.970	30.092	29.767	.....	51.8	53.1	49.4	51.2	59	47	....	48	....	88	.....	.338	T.	T.	.....	5.7	6.1	
July	29.975	30.065	29.798	.....	54.1	54.9	51.2	53.0	60	48	....	52	....	92	.....	.383	.00	.00	.....	7.6	6.9	
August	29.976	30.114	29.803	.....	54.6	55.4	52.1	53.8	59	48	....	52	....	93	.....	.394	T.	T.	.....	5.9	6.8	
September	29.978	30.049	29.789	.....	56.7	58.0	53.3	55.6	63	48	....	53	....	89	.....	.408	.11	.10	.....	3.2	3.5	
October	29.984	30.103	29.795	.....	56.3	58.5	53.5	56.0	77	49	....	52	....	87	.....	.395	.12	.06	.....	4.1	3.7	
November	30.118	30.335	29.867	.....	54.4	56.0	51.3	53.6	64	46	....	48	....	82	.....	.345	.30	.16	.....	2.3	2.7	
December	30.095	30.244	29.821	.....	52.6	54.5	49.8	52.2	62	42	....	46	....	80	.....	.315	1.60	.59	.....	4.5	4.1	
Year	30.020	30.376	29.597	.....	53.0	54.5	50.2	52.3	77	39	....	48	....	85	.....	.344	16.46	1.38	.....	4.7	4.9	

SPOKANE, WASH.

[ϕ=47° 40′ N.; λ=117° 25′ W.]

January	27.898	28.557	27.189	28.2	33.2	36.2	25.0	30.6	46	10	21	24	73	68	0.116	0.131	0.51	0.34	7.1	8.2	8.4	
February	28.025	28.466	27.392	26.3	34.9	37.0	23.2	30.1	44	13	20	23	77	62	.109	.122	1.08	.41	5.0	6.4	6.1	
March	28.002	28.369	27.621	34.8	52.9	54.6	32.4	43.5	70	16	28	30	77	43	.156	.165	.83	.56	3.6	5.7	4.9	
April	27.926	28.407	27.575	37.9	57.0	58.7	35.6	47.2	77	28	28	25	67	30	.153	.139	.19	.08	5.0	5.7	4.6	
May	27.891	28.299	27.418	43.9	59.7	63.0	42.0	52.5	87	33	38	36	79	44	.229	.213	1.33	.30	6.1	7.7	7.1	
June	27.902	28.111	27.698	54.5	73.0	74.6	53.4	64.0	92	44	43	41	66	34	.286	.260	.75	.47	6.0	6.2	6.2	
July	27.960	28.204	27.700	58.4	82.7	84.3	57.1	70.7	98	48	42	37	58	21	.279	.222	.25	.06	3.4	4.4	3.6	
August	27.953	28.197	27.806	54.6	77.1	79.1	53.4	66.2	91	47	46	42	74	32	.313	.274	1.16	.52	3.0	4.8	4.3	
September	27.953	28.186	27.709	47.3	65.8	68.1	45.0	56.6	92	31	40	38	76	38	.254	.233	.75	.47	6.0	6.7	6.5	
October	28.054	28.357	27.542	38.8	56.9	59.5	36.3	47.9	84	19	32	32	75	41	.183	.185	.39	.23	4.2	5.1	5.2	
November	28.030	28.630	27.359	31.2	39.5	42.2	27.7	35.0	56	8	26	29	81	67	.147	.168	2.58	1.14	6.3	7.7	7.8	
December	28.025	28.351	27.546	28.2	31.8	34.3	24.2	29.2	46	2	25	27	87	81	.137	.148	2.04	.35	8.1	8.6	8.6	
Year	27.968	28.630	27.189	40.3	55.4	57.6	37.9	47.8	98	2	32	32	74	47	.197	.188	11.86	1.14	5.3	6.4	6.1	

SPRINGFIELD, ILL.

[ϕ=39° 48′ N.; λ=89° 39′ W.]

January	29.461	29.877	28.906	27.7	32.7	39.3	22.5	30.9	66	− 2	22	26	80	75	0.140	0.153	2.34	1.30	7.5	6.7	8.1	
February	29.449	29.992	28.816	31.7	37.5	42.6	28.4	35.5	67	14	26	29	78	70	.150	.172	1.73	.59	6.1	6.0	5.9	
March	29.361	29.818	28.822	34.9	46.1	52.9	32.4	42.6	74	17	28	30	74	55	.157	.181	1.86	1.08	4.5	4.9	5.3	
April	29.355	29.831	28.681	46.1	54.7	60.3	42.5	51.4	73	29	38	40	73	62	.246	.273	4.40	.98	5.5	6.9	6.4	
May	29.342	29.732	28.899	63.3	74.0	82.2	58.0	70.1	95	35	52	52	67	49	.415	.428	1.18	.77	3.4	4.2	3.9	
June	29.268	29.476	28.993	71.4	83.4	89.5	66.3	77.9	101	58	61	61	70	49	.543	.546	3.44	1.85	4.6	3.9	4.8	
July	29.334	29.544	28.947	71.8	81.4	88.0	66.4	77.2	101	53	61	60	70	50	.551	.537	4.87	1.50	3.0	4.4	4.7	
August	29.325	29.551	29.139	67.0	76.8	83.7	63.5	73.6	94	49	61	63	81	63	.545	.588	3.37	1.55	4.3	4.9	5.0	
September	29.352	29.624	29.145	64.3	71.8	78.2	61.9	70.0	92	51	61	64	90	79	.552	.616	10.68	2.64	5.9	5.5	6.2	
October	29.383	29.713	29.006	49.2	56.2	62.3	46.4	54.4	86	34	45	46	85	68	.313	.334	2.00	.60	6.7	5.9	6.3	
November	29.369	30.125	28.658	32.7	36.8	44.1	27.8	36.0	76	10	27	29	79	73	.165	.171	3.10	1.20	6.3	5.5	5.6	
December	29.425	29.848	28.887	31.8	35.7	41.1	28.6	34.8	61	10	28	30	85	79	.161	.172	1.86	.53	6.9	4.3	6.4	
Year	29.369	30.125	28.658	49.3	57.3	63.7	45.4	54.5	101	− 2	42	44	78	64	.328	.348	40.83	2.64	5.4	5.3	5.7	

Annual meteorological summary for the year ending December 31, 1911—Continued.

SIOUX CITY, IOWA.

[H=1,135 ft.; h_1=94 ft.; h_3=86 ft.; h_a=164 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	32° or Minimum temperature below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	14.4	S.	56	NW.	10	6	2	2	13	18	3	0	18	0	6	11	14	5	3	7	4	0	3	15	0	30	0	0
February	13.9	NW.	51	NW.	1	11	3	3	7	6	2	4	20	0	11	7	10	3	2	5	2	0	4	15	0	25	0	0
March	15.3	S.	56	NW.	7	11	3	2	10	14	1	4	16	1	16	6	9	5	3	5	3	0	2	0	0	21	0	0
April	14.6	SE.	73	NW.	5	7	5	10	19	2	4	0	13	0	9	10	11	10	9	4	3	1	0	0	0	10	3	0
May	13.6	S.	48	S.	7	5	4	5	11	20	1	3	10	3	11	14	6	6	3	1	1	0	0	0	2	2	3	0
June	13.5	S.	46	NW.	3	5	5	3	21	15	0	1	10	0	16	12	2	9	9	0	0	0	0	0	13	0	12	0
July	11.8	S.	41	NW.	1	7	6	3	10	17	4	3	12	0	17	13	1	11	8	0	0	0	0	0	9	0	12	0
August	10.5	S.	42	W.	2	7	9	10	14	10	0	4	8	0	15	12	4	9	5	0	0	0	0	0	3	0	9	0
September	10.7	S.	41	S.	1	3	12	9	15	10	1	3	7	0	9	14	7	10	7	0	0	2	1	0	1	0	6	0
October	10.7	NW.	39	NW.	0	9	7	7	10	5	4	3	17	0	13	9	9	11	8	3	2	0	1	0	0	7	3	0
November	15.4	NW.	48	NW.	5	6	0	3	10	11	2	3	25	0	11	8	11	9	4	8	6	0	1	12	0	27	0	0
December	11.5	NW.	46	NW.	2	7	4	6	12	11	2	6	14	0	11	10	10	12	9	13	10	0	1	14	0	30	0	0
Year	13.0	NW.	73	NW.	44	84	60	63	152	139	24	34	170	4	145	126	94	100	70	46	31	3	13	56	28	152	48	0

SOUTHEAST FARALLON ISLANDS, CAL.

[H=30 ft.; h_1= 9 ft.; h_3=3 ft.; h_a=17 ft.]

January	15.8	S.	54	N.	6	6	1	1	2	7	7	1	6	0	11	4	16	18	17	0	0	1	0	0	0	0	0	0
February	17.1	NW.	62	NW.	9	3	0	1	3	2	1	5	13	0	14	5	9	11	10	0	0	3	1	0	0	0	1	0
March	16.7	NW.	56	S.	8	3	1	0	0	5	4	0	17	1	10	5	16	10	9	0	0	0	2	0	0	0	1	0
April	18.2	NW.	55	NW.	6	0	0	0	0	3	1	1	25	0	14	6	10	7	5	0	0	0	0	0	0	0	0	0
May	19.2	NW.	51	NW.	8	1	0	0	0	5	2	1	22	0	16	10	5	7	2	0	0	0	1	0	0	0	0	0
June	19.7	NW.	54	NW.	8	0	0	0	1	0	0	2	27	0	8	9	13	0	0	0	0	0	5	0	0	0	0	0
July	13.4	NW.	48	NW.	1	0	0	0	0	2	1	2	26	0	4	9	18	0	0	0	0	0	7	0	0	0	0	0
August	15.2	NW.	45	NW.	3	0	0	0	0	1	2	1	27	0	8	4	19	0	0	0	0	0	7	0	0	0	0	0
September	13.4	NW.	50	NW.	5	0	0	0	0	2	5	2	21	0	17	7	6	2	1	0	0	0	2	0	0	0	0	0
October	13.0	NW.	41	NW.	3	1	0	1	0	1	2	4	22	0	18	5	8	3	2	0	0	0	6	0	0	0	0	0
November	17.0	NW.	52	NW.	8	3	0	0	1	2	1	1	22	0	20	7	3	4	2	0	0	0	1	0	0	0	0	0
December	19.9	NW.	59	NW.	12	2	2	0	1	2	1	0	23	0	16	6	9	11	10	0	0	0	0	0	0	0	0	0
Year	16.6	NW.	62	NW.	77	19	4	3	8	32	27	20	251	1	156	77	132	73	58	0	0	4	32	0	0	0	2	0

SPOKANE, WASH.

[H=1,929 ft.; h_1=101 ft.; h_3=94 ft.; h_a=110 ft.]

January	7.8	S.	33	S.	0	5	3	5	2	22	17	4	4	0	0	8	23	5	5	11	5	0	0	7	0	25	0	0
February	6.2	S.	25	NE.	0	2	8	8	4	18	8	3	1	4	9	3	16	11	8	14	11	0	1	3	0	28	0	0
March	6.4	SW.	38	W.	0	0	2	7	2	17	18	8	5	3	13	8	10	6	5	4	2	1	2	0	0	14	0	0
April	6.9	SW.	34	SW.	0	1	7	4	1	14	22	2	4	5	14	8	8	5	2	4	1	0	0	0	0	7	0	0
May	7.4	SW.	28	SW.	0	3	8	3	8	15	17	2	2	4	4	9	18	12	10	0	0	2	0	0	0	0	0	0
June	7.2	SW.	30	S.	0	0	6	7	0	18	22	4	3	0	8	8	14	8	6	0	0	0	0	0	2	0	6	0
July	6.3	NW.	26	SW.	0	6	6	9	2	10	10	6	12	1	16	9	6	4	2	0	0	0	0	0	11	0	1	0
August	4.9	NE.	24	SW.	0	7	15	9	5	5	9	3	3	6	13	12	6	6	3	0	0	0	2	0	2	0	5	0
September	5.9	SW.	30	SW.	0	4	11	4	3	11	15	6	3	3	6	9	15	9	4	0	0	1	0	0	1	1	2	0
October	4.1	SW.	24	S.	0	4	11	9	2	11	11	5	3	6	10	13	8	3	3	0	0	0	1	0	0	11	0	0
November	6.4	SW.	32	SW.	0	2	10	9	5	10	16	1	2	5	2	10	18	14	12	8	7	0	2	3	0	21	0	0
December	4.5	NE.	27	SW.	0	3	15	9	3	10	10	4	3	5	2	3	26	16	15	16	14	0	5	9	0	28	0	0
Year	6.2	SW.	38	W.	0	37	102	83	37	161	175	48	45	42	97	100	168	99	75	57	40	4	13	22	16	135	14	0

SPRINGFIELD, ILL.

[H=644 ft.; h_1=10 ft.; h_3=4 ft.; h_a=91 ft.]

January	10.0	S.	33	W.	0	5	3	3	7	18	8	6	12	0	3	7	21	10	4	7	4	0	1	8	0	26	1	0
February	10.5	NW.	32	SE.	0	6	4	4	7	9	5	9	12	0	10	4	14	11	8	5	4	0	0	3	0	19	1	0
March	10.6	W.	38	NW.	0	8	5	4	10	9	6	8	12	0	11	5	15	7	5	5	0	0	2	0	0	20	4	0
April	9.9	SE.	36	SE.	0	4	9	5	15	8	4	7	8	0	8	8	14	13	12	1	0	2	0	0	0	3	6	0
May	8.6	S.	29	S.	0	0	4	2	5	25	14	5	7	0	15	13	3	7	4	0	0	0	0	0	0	7	0	0
June	8.1	S.	24	W.	0	3	9	4	6	18	9	8	3	0	13	8	9	10	8	0	0	1	0	0	12	0	8	0
July	7.1	S.	29	SE.	0	4	2	5	9	19	10	8	5	0	11	16	4	8	7	0	0	1	0	0	12	0	6	0
August	6.4	S.	29	N.	0	9	10	9	11	12	6	4	1	0	11	9	11	9	7	0	0	0	1	0	6	0	5	0
September	7.4	SE.	48	NW.	2	3	8	8	10	12	8	3	7	1	9	6	15	19	16	0	0	0	2	0	2	0	12	0
October	7.7	S.	25	SW.	0	7	7	7	5	12	6	10	8	0	5	14	12	8	5	0	0	0	0	0	0	0	2	0
November	11.4	S.	40	SE.	1	2	0	2	9	15	11	9	12	0	9	10	11	13	8	6	5	0	0	4	0	20	3	0
December	9.1	S.	33	S.	0	4	3	5	9	19	4	13	5	0	7	8	16	8	6	6	1	0	3	2	0	24	0	0
Year	8.9	S.	48	NW.	3	55	64	58	103	176	91	90	92	1	112	108	145	123	90	30	14	4	9	17	39	112	54	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

SPRINGFIELD, MO.

[ϕ=37° 12′ N.; λ=93° 18′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	28.723	29.104	28.280	34.9	39.9	48.1	27.8	38.0	73	− 9	30	31	83	74	0.194	0.195	0.28	0.15	7.1	4.4	7.2
February	28.704	29.255	28.146	34.0	43.8	49.5	30.7	40.1	84	10	29	33	82	68	.177	.202	3.21	1.48	5.6	4.5	4.9
March	28.651	29.034	28.260	41.0	52.0	59.6	37.6	48.6	85	21	32	34	71	54	.197	.211	2.28	1.05	3.1	3.7	4.2
April	28.599	29.025	28.101	48.8	58.6	64.5	44.6	54.6	78	32	44	45	83	63	.298	.319	3.84	1.05	4.6	5.1	5.1
May	28.633	28.982	28.171	61.4	73.3	77.9	58.5	68.2	89	33	54	52	77	51	.437	.413	.34	.13	3.3	3.1	3.2
June	28.572	28.733	28.307	71.8	85.0	89.2	68.0	78.6	97	60	62	58	71	43	.555	.501	1.12	.54	3.1	3.1	3.7
July	28.636	28.864	28.407	70.6	80.0	84.9	67.5	76.2	98	54	64	61	79	56	.594	.557	6.36	1.88	4.8	4.3	5.9
August	28.607	28.703	28.427	68.4	77.0	81.5	66.7	74.1	94	53	66	66	91	71	.640	.657	6.92	1.96	5.5	3.4	4.7
September	28.642	28.859	28.452	67.7	76.0	82.9	65.4	74.2	92	53	64	67	90	74	.616	.663	4.38	1.73	3.6	2.9	3.8
October	28.661	28.922	28.361	52.0	58.3	65.4	49.8	57.6	88	33	49	50	90	74	.374	.381	3.04	.82	5.6	5.1	5.4
November	28.663	29.336	28.143	34.6	41.6	50.5	30.4	40.4	80	9	30	30	85	66	.188	.181	2.16	.62	4.7	4.2	4.6
December	28.672	29.008	28.260	33.2	39.1	44.5	29.7	37.1	59	4	30	31	87	75	.176	.182	2.65	1.25	4.4	3.8	5.8
Year	28.647	29.336	28.101	51.5	60.4	66.5	48.1	57.3	98	− 9	46	46	82	64	.370	.372	36.58	1.96	4.6	4.0	4.9

SYRACUSE, N. Y.

[ϕ=43° 2′ N.; λ=76° 10′ W.]

January	29.465	29.931	28.740	25.7	.....	35.0	19.2	27.1	52	− 2	20	....	78	....	0.116	.....	2.11	0.60	8.7	.....	7.3
February	29.424	29.931	28.881	22.5	.....	31.6	17.2	24.4	50	1	18	....	83	....	.105	.....	2.66	.86	8.0	.....	7.6
March	29.328	29.930	28.538	26.7	.....	36.6	21.3	29.0	60	2	20	....	76	....	.113	.....	2.71	.55	6.7	.....	6.0
April	29.491	29.991	28.965	40.1	.....	52.6	34.7	43.6	80	16	30	....	70	....	.175	.....	2.03	.74	5.3	.....	5.5
May	29.409	29.804	28.958	61.0	.....	74.7	54.6	64.6	92	27	48	....	64	....	.371	.....	2.21	.94	3.4	.....	3.6
June	29.309	29.611	29.025	63.3	.....	73.2	55.8	64.5	87	49	56	....	77	....	.453	.....	3.22	.91	5.4	.....	5.9
July	29.371	29.649	28.924	70.6	.....	82.7	62.8	72.8	100	52	60	....	71	....	.538	.....	3.06	1.53	3.0	.....	3.5
August	29.388	29.689	29.175	66.7	.....	77.5	61.1	69.3	89	48	58	....	76	....	.501	.....	2.45	1.35	6.8	.....	6.2
September	29.422	29.756	29.056	57.6	.....	69.3	52.0	60.6	85	34	51	....	78	....	.387	.....	2.76	1.46	5.1	.....	4.8
October	29.451	29.843	28.996	47.2	.....	56.9	43.3	50.1	78	29	41	....	79	....	.205	.....	2.16	.47	6.6	.....	6.4
November	29.336	29.836	28.684	34.5	.....	42.0	29.6	35.8	67	16	28	....	75	....	.155	.....	1.49	.46	8.0	.....	8.1
December	29.485	29.913	28.773	32.6	.....	40.5	29.1	34.8	63	9	27	....	80	....	.156	.....	3.63	.66	8.3	.....	7.7
Year	29.407	29.991	28.538	45.7	.....	56.0	40.1	48.0	100	− 2	38	....	76	....	.278	.....	30.49	1.53	6.3	.....	6.0

TACOMA, WASH.

[ϕ=47° 16′ N.; λ=122° 23′ W.]

January	29.747	30.395	29.007	36.2	40.1	42.7	33.4	38.0	53	18	34	35	91	82	0.198	0.206	4.65	1.53	8.3	9.1	8.6
February	29.874	30.364	28.980	36.0	42.9	44.7	33.5	39.1	52	27	32	34	85	71	.180	.196	1.86	.51	7.1	6.6	5.7
March	29.892	30.271	29.329	38.4	52.3	53.6	36.4	45.0	62	27	36	40	92	66	.216	.253	1.33	.43	4.4	4.7	4.8
April	29.863	30.325	29.399	38.5	53.3	55.6	36.6	46.1	73	30	35	35	87	52	.205	.202	1.14	.53	5.2	5.9	5.2
May	29.783	30.251	29.105	45.7	57.9	59.8	44.5	52.2	76	36	43	43	90	62	.276	.283	3.18	.92	7.5	7.2	6.7
June	29.865	30.064	29.602	49.6	63.9	65.4	48.0	56.7	79	42	45	45	85	52	.303	.307	.59	.47	7.1	5.8	6.6
July	29.854	30.109	29.541	55.3	72.5	74.5	53.9	64.2	92	48	.....	50	.....	47	.....	.359	.06	.04	.....	4.8	5.0
August	29.844	30.007	29.690	53.7	70.3	71.5	52.7	62.1	82	47	.....	51	.....	52	.....	.377	.17	.17	.....	4.9	6.5
September	29.825	30.097	29.501	50.2	60.0	62.9	48.7	55.8	74	37	.....	49	.....	69	.....	.353	4.70	1.54	.....	7.2	7.6
October	29.885	30.184	29.383	45.8	57.2	59.1	43.4	51.2	73	33	.....	48	.....	71	.....	.331	.96	.43	.....	6.7	7.5
November	29.882	30.306	29.253	41.8	46.3	49.0	38.8	43.9	56	19	.....	42	.....	85	.....	.273	5.44	1.44	.....	8.6	8.5
December	29.880	30.370	29.287	39.4	42.5	45.0	36.1	40.6	53	30	.....	39	.....	87	.....	.239	3.71	.68	.....	8.5	8.8
Year	29.850	30.395	28.980	44.2	54.9	57.0	42.2	49.6	92	18	.....	43	.....	66	.....	.282	27.79	1.54	.....	6.7	6.8

TAMPA, FLA.

[ϕ=27° 57′ N.; λ=82° 27′ W.]

January	30.201	30.390	30.012	56.2	63.6	72.8	54.2	63.5	80	31	54	57	94	80	0.436	0.477	0.76	0.55	3.5	1.3	3.8
February	30.130	30.386	29.932	57.4	64.6	74.2	55.0	64.6	82	37	54	58	89	80	.443	.505	.05	.04	2.6	1.4	3.3
March	30.075	30.300	29.753	61.4	67.2	77.0	58.4	67.7	85	47	57	57	87	73	.484	.493	2.57	2.04	4.4	2.4	4.1
April	30.031	30.215	29.875	69.5	73.7	82.8	64.9	73.8	88	57	64	64	84	78	.605	.608	.81	.81	4.2	3.7	4.3
May	29.968	30.125	29.812	71.7	75.2	85.0	66.2	75.6	92	55	66	65	82	71	.646	.617	3.14	1.11	3.6	4.0	4.1
June	29.994	30.136	29.828	79.0	79.8	89.6	72.9	81.2	95	68	72	71	79	76	.798	.766	4.59	1.30	3.1	4.6	3.9
July	30.051	30.178	29.929	79.0	78.2	89.1	73.1	81.1	92	68	73	72	82	83	.816	.797	6.46	2.27	3.9	7.7	5.6
August	29.966	30.094	29.857	78.2	78.7	88.3	73.2	80.8	93	66	74	74	87	85	.840	.825	6.71	1.69	4.6	6.8	5.8
September	30.005	30.149	29.874	77.4	79.0	90.2	72.4	81.3	93	69	73	73	87	82	.829	.805	7.01	2.18	1.2	4.8	3.6
October	29.938	30.075	29.771	73.6	77.4	86.2	70.4	78.3	92	62	70	71	89	82	.737	.764	5.66	2.82	3.8	3.6	4.8
November	30.034	30.408	29.870	63.4	68.0	75.8	60.2	68.0	86	39	60	62	88	82	.553	.587	3.91	2.36	5.0	4.4	6.3
December	30.086	30.413	29.877	59.8	65.5	73.5	57.4	65.4	83	36	57	59	90	80	.495	.525	2.46	1.95	6.1	2.4	5.6
Year	30.040	30.413	29.753	68.9	72.6	82.0	64.9	73.4	95	31	64	65	86	79	.638	.647	44.13	2.82	3.8	3.9	4.6

Annual meteorological summary for the year ending December 31, 1911—Continued.

SPRINGFIELD, MO.

[H=1,324 ft.; h_t=98 ft.; h_r=6 ft.; h_a=104 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	12.2	S.	35	SW.	0	5	5	5	12	17	4	5	7	2	4	9	18	9	2	3	0	0	1	7	0	17	0	0
February	12.6	S.	40	SE.	1	7	9	3	10	10	2	3	12	0	10	9	9	8	7	4	2	0	0	3	0	18	1	0
March	13.0	SE.	47	W.	3	10	4	3	14	5	6	10	10	0	13	10	8	7	5	2	2	0	1	1	0	9	2	0
April	11.9	SE.	43	SE.	1	6	6	9	15	8	4	5	7	0	9	13	8	13	12	0	0	2	1	0	0	1	7	0
May	10.0	S.	38	W.	0	4	2	7	16	16	10	4	3	0	19	6	6	5	3	1	0	0	0	0	0	0	3	0
June	9.8	SE.	35	NW.	0	3	3	7	21	13	6	1	6	0	17	8	5	8	5	0	0	0	0	0	14	0	7	0
July	9.1	SE.	34	S.	0	2	3	4	17	21	6	6	3	0	8	10	13	14	10	0	0	0	0	0	7	0	10	0
August	7.5	SE.	29	SE.	0	4	11	9	20	14	3	0	1	0	14	6	11	11	10	0	0	0	1	0	5	0	5	0
September	8.5	S.	25	SE.	0	0	11	4	13	23	5	2	2	0	15	11	4	10	9	0	0	0	1	0	3	0	6	0
October	9.8	SE.	28	SE.	0	10	6	5	18	9	5	3	6	0	12	7	12	9	6	1	1	0	2	0	0	0	4	0
November	13.2	SE.	54	NW.	1	5	3	1	14	12	8	5	12	0	14	6	10	6	5	4	3	1	0	3	0	15	3	0
December	11.5	SE.	43	E.	1	5	7	5	19	9	6	7	4	0	10	7	14	13	9	5	3	0	2	2	0	20	0	0
Year	10.8	SE.	54	NW.	7	61	70	62	189	157	65	51	73	2	145	102	118	113	83	20	11	3	9	16	29	80	48	0

SYRACUSE, N. Y.

[H=597 ft.; h_t=97 ft.; h_r=65 ft.; h_a=113 ft.]

January	14.0	NW.	57	NW.	8	3	1	1	4	16	8	11	18	0	7	4	20	19	13	16	8	0	2	9	0	25	1	0
February	13.9	NW.	55	S.	3	4	6	7	3	9	7	8	12	0	3	8	17	21	13	23	18	0	0	14	0	26	0	0
March	15.3	S.	50	W.	8	5	2	5	8	7	8	15	12	0	9	6	16	23	14	21	19	0	0	11	0	27	1	0
April	12.6	NW.	48	S.	2	5	6	6	6	11	3	12	11	0	9	10	11	12	10	7	5	0	0	3	0	14	0	0
May	10.1	S.	36	W.	0	6	2	0	4	20	6	16	8	0	17	7	7	9	7	2	0	1	0	0	4	3	9	0
June	9.6	NW.	39	SW.	0	6	2	9	6	8	6	13	10	0	7	11	12	13	10	0	0	0	0	0	0	0	9	0
July	9.1	S.	43	NW.	3	3	5	3	2	18	11	15	5	0	16	13	2	11	8	0	0	0	0	0	8	0	8	0
August	9.1	S.	36	W.	0	3	3	4	5	27	4	8	8	0	6	13	12	10	7	0	0	0	0	0	0	0	7	0
September	10.1	S.	44	S.	1	9	1	6	7	12	4	11	10	0	13	9	8	12	10	0	0	0	0	0	0	0	4	0
October	10.6	S.	48	SW.	2	4	5	2	10	18	6	9	8	0	5	11	15	11	8	1	0	0	0	0	0	1	0	1
November	16.2	S.	50	S.	6	2	2	0	5	17	12	15	7	0	3	5	22	17	12	17	10	0	0	5	0	20	0	0
December	12.1	S.	45	SW.	2	1	1	7	6	18	8	12	9	0	4	5	22	16	13	12	7	0	0	7	0	16	0	0
Year	11.9	S.	57	NW.	35	51	36	50	66	181	83	145	118	0	99	102	164	174	125	99	67	1	2	49	12	132	39	1

TACOMA, WASH.

[H=213 ft.; h_t=113 ft.; h_r=104 ft.; h_a=120 ft.]

January	7.5	SW.	34	SW.	0	3	2	3	4	11	35	3	1	0	2	3	26	21	15	9	4	1	0	2	0	9	0	0
February	7.4	SW.	32	NE.	0	12	7	3	5	10	17	0	2	0	10	7	11	13	10	6	1	1	2	0	0	8	0	0
March	5.5	N.	33	SW.	0	26	3	1	1	8	14	5	3	1	16	5	10	9	8	0	0	0	10	0	0	4	0	0
April	6.2	N.	27	SW.	0	18	1	0	3	6	20	7	2	1	12	9	9	8	6	3	0	2	3	0	0	6	0	0
May	6.7	SW.	24	SW.	0	19	1	0	2	5	24	9	0	2	7	7	17	18	13	0	0	1	2	0	0	0	1	0
June	6.1	N.	22	NE.	0	23	1	0	1	2	22	7	4	0	8	9	13	3	2	0	0	0	0	0	0	0	1	0
July	5.7	N.	19	N.	0	31	1	0	0	2	12	6	9	1	14	7	10	2	1	0	0	0	0	0	1	0	0	0
August	5.1	N.	24	N.	0	24	4	1	0	1	12	18	1	1	8	6	17	2	2	0	0	0	0	0	0	0	1	0
September	5.2	SW.	20	SW.	0	15	3	1	1	3	24	7	5	1	4	6	20	14	11	0	0	0	1	7	0	0	4	0
October	4.1	N.	29	SW.	0	25	0	1	0	3	15	11	5	2	5	8	18	9	7	0	0	0	0	9	0	0	0	0
November	7.6	SW.	34	W.	0	4	8	3	2	4	30	5	4	0	2	4	24	20	16	5	2	0	4	2	0	6	0	1
December	6.0	SW.	32	SW.	0	4	1	2	5	11	33	6	0	0	1	4	26	20	16	6	4	0	5	0	0	3	0	0
Year	6.1	SW.	34	SW.	0	204	32	15	26	66	258	84	36	9	89	75	201	139	107	29	11	6	42	4	1	36	7	1

TAMPA, FLA.

[H=35 ft.; h_t=79 ft.; h_r=71 ft.; h_a=96 ft.]

January	6.8	NE.	23	S.	0	16	24	1	2	1	2	4	12	0	16	10	5	3	2	0	0	0	7	0	0	1	0	0
February	6.6	NW.	24	W.	0	5	14	4	1	3	6	8	15	0	15	12	1	2	1	0	0	0	5	0	0	0	0	0
March	8.1	NE.	32	SW.	0	5	15	2	3	3	8	10	14	2	16	9	6	4	3	0	0	0	5	0	0	0	1	0
April	8.9	NE.	28	E.	0	4	16	12	5	3	4	8	8	0	14	12	4	1	1	0	0	0	1	0	0	0	1	0
May	7.8	NE.	25	N.	0	5	31	9	1	2	3	5	6	0	14	12	5	8	7	0	0	0	2	0	0	2	0	0
June	6.7	W.	42	SE.	1	4	8	4	9	8	6	15	5	1	14	13	3	12	9	0	0	0	0	0	0	17	0	14
July	5.6	NE.	33	E.	0	5	23	4	7	3	4	8	7	1	9	14	8	15	11	0	0	0	0	0	0	12	0	21
August	6.7	NE.	27	NW.	0	3	14	11	5	2	13	8	3	3	7	15	9	16	15	0	0	0	1	0	0	12	0	21
September	5.6	NE.	42	SE.	1	4	31	7	2	5	1	5	5	0	14	16	0	14	12	0	0	0	2	0	0	19	0	17
October	6.7	NE.	22	SW.	0	7	22	15	6	1	3	0	7	1	13	10	8	9	9	0	0	0	2	0	0	7	0	5
November	8.6	NE.	27	NE.	0	9	31	2	0	4	3	1	9	1	4	14	12	6	6	0	0	0	6	0	0	0	2	0
December	8.1	NE.	28	NE.	0	7	28	4	7	7	4	1	3	1	7	15	9	6	3	0	0	0	2	0	0	0	1	0
Year	7.2	NE.	42	SE.	2	74	257	75	48	42	57	73	94	10	143	152	70	96	79	0	0	0	33	0	69	1	91	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

TATOOSH ISLAND, WASH.

[ϕ= 48° 23′ N.; λ= 124° 44′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.795	30.505	28.918	37.7	37.8	41.0	34.9	38.0	47	24	34	34	87	88	0.200	0.203	8.07	1.04	9.4	9.2	9.5
February	29.947	30.516	28.832	38.8	41.5	43.8	36.5	40.2	52	29	34	35	84	79	.199	.205	3.77	.93	5.8	6.7	6.2
March	29.997	30.394	29.416	42.2	44.9	47.5	39.9	43.7	53	36	39	40	90	83	.242	.246	3.20	1.08	6.9	7.0	7.2
April	29.985	30.463	29.323	41.4	45.7	48.3	39.1	43.7	55	34	38	37	88	73	.229	.228	3.03	1.15	6.2	4.7	5.0
May	29.895	30.437	29.059	45.4	49.3	51.7	44.2	48.0	66	40	42	44	90	84	.272	.294	4.25	1.24	8.7	6.7	7.3
June	30.008	30.247	29.746	47.9	51.1	53.6	46.6	50.1	59	44	45	47	90	85	.301	.318	2.05	1.08	7.1	6.3	7.2
July	29.904	30.287	29.729	51.4	56.3	60.2	50.0	55.1	73	44	49	51	92	84	.349	.379	.44	.32	4.9	4.2	5.2
August	29.983	30.146	29.794	50.6	54.9	57.6	49.4	53.5	68	47	49	51	96	88	.352	.376	.35	.17	4.9	5.4	6.9
September	29.933	30.227	29.606	51.3	53.8	55.9	49.3	52.6	61	43	49	50	93	89	.351	.368	4.14	1.11	6.3	5.4	6.6
October	29.973	30.333	29.444	50.3	52.6	55.2	48.2	51.7	62	44	47	48	89	84	.321	.330	2.78	.85	5.1	5.8	6.2
November	29.931	30.398	29.234	45.5	45.8	48.3	42.2	45.2	54	25	40	41	84	85	.262	.268	11.12	2.81	6.5	8.3	8.7
December	29.939	30.486	29.277	43.5	44.0	46.0	40.8	43.4	51	33	40	40	89	84	.253	.245	9.38	1.11	6.7	7.7	7.8
Year	29.948	30.516	28.832	45.5	48.1	50.8	43.4	47.1	73	24	42	43	89	84	.278	.288	52.58	2.81	6.5	6.4	7.0

TAYLOR, TEX.

[ϕ= 30° 35′ N.; γ= 97° 20′ W.]

January	29.571	30.025	29.208	49.6	58.4	66.1	46.0	56.0	88	11	45	....	84	....	0.350	.....	0.20	0.09	6.5	.....	4.9
February	29.481	30.161	29.191	51.9	58.9	66.0	48.6	57.3	83	25	47	....	85	....	.370	.....	1.65	.85	6.6	.....	6.2
March	29.467	29.723	29.214	55.2	62.2	74.0	53.2	63.6	93	35	51	....	87	....	.404	.....	1.90	.52	5.6	.....	5.1
April	29.334	29.704	29.069	61.2	68.7	74.5	58.2	66.4	88	47	58	....	91	....	.503	.....	5.92	1.73	6.9	.....	6.1
May	29.401	29.530	29.079	65.2	76.6	82.9	62.6	72.8	96	47	62	....	90	....	.571	.....	2.85	2.08	4.1	.....	3.3
June	29.349	29.489	29.268	74.1	88.9	94.2	71.5	82.8	102	66	68	....	82	....	.687	.....	.91	.72	1.4	.....	1.5
July	29.388	29.641	29.264	74.8	85.6	92.8	72.7	82.8	98	66	71	....	88	....	.762	.....	2.59	2.34	5.5	.....	4.4
August	29.330	29.433	29.265	75.6	89.5	96.3	74.2	85.2	101	65	70	....	84	....	.741	.....	2.41	2.13	2.8	.....	2.3
September	29.395	29.480	29.309	73.6	86.0	93.7	72.5	83.1	97	65	71	....	91	....	.755	.....	.20	.08	2.5	.....	2.8
October	29.431	29.669	29.285	59.1	70.3	77.6	57.7	67.6	95	38	55	....	87	....	.490	.....	1.77	.63	4.2	.....	3.9
November	29.527	30.007	29.163	46.2	56.7	65.2	42.0	53.6	86	19	40	....	77	....	.294	.....	1.52	1.21	4.6	.....	3.9
December	29.468	29.869	29.163	41.8	50.5	57.1	38.5	47.8	73	24	37	....	82	....	.240	.....	3.69	1.74	5.9	.....	5.7
Year	29.428	30.161	29.069	60.7	71.5	78.4	58.1	68.2	102	11	56	....	86	....	.513	.....	25.61	2.34	4.7	.....	4.2

THOMASVILLE, GA.

[ϕ= 30° 48′ N.; λ= 83° 58′ W.]

January	29.964	30.255	29.698	46.8	55.2	68.7	43.6	56.2	79	22	44	48	91	78	0.316	0.364	1.82	1.79	4.5	3.4	3.9
February	29.874	30.208	29.606	50.4	58.8	70.9	46.9	58.9	82	28	46	50	85	72	.343	.377	.51	.24	4.6	2.1	3.8
March	29.805	30.057	29.401	53.7	63.4	75.8	49.3	62.6	88	33	47	51	79	55	.347	.391	4.65	2.68	4.7	2.9	3.5
April	29.787	30.019	29.581	62.6	68.2	79.3	57.3	68.3	86	47	55	57	78	69	.453	.476	3.40	1.74	6.6	3.8	4.5
May	29.742	29.960	29.611	68.2	74.5	86.3	62.8	74.6	97	46	61	60	79	64	.560	.540	2.50	.95	3.8	4.1	3.9
June	29.713	29.871	29.510	75.6	78.4	92.8	69.7	81.2	99	65	70	69	84	74	.748	.708	4.30	1.98	3.0	6.3	5.4
July	29.780	29.949	29.652	74.6	76.4	88.9	68.9	78.9	97	60	70	70	87	82	.744	.739	7.61	1.90	4.4	6.8	6.3
August	29.696	29.858	29.438	75.1	77.5	89.9	71.0	80.4	97	66	72	72	89	84	.775	.791	3.87	2.17	3.9	7.1	6.6
September	29.764	29.919	29.617	75.2	78.0	91.9	71.0	81.4	97	67	72	72	90	84	.785	.796	2.52	.76	2.8	2.9	4.0
October	29.721	29.921	29.470	67.0	71.1	83.6	63.2	73.4	97	48	63	64	88	79	.606	.607	4.90	2.50	5.4	3.5	5.0
November	29.825	30.176	29.515	51.0	55.6	67.9	45.4	56.6	84	25	46	48	85	76	.358	.372	2.53	1.39	6.1	3.3	5.0
December	29.852	30.166	29.549	50.1	56.2	66.8	46.7	56.8	78	26	46	50	87	79	.347	.385	7.54	2.03	5.3	4.9	5.7
Year	29.794	30.255	29.401	62.5	67.8	80.2	53.0	69.1	99	22	58	59	85	76	.532	.546	46.15	2.68	4.6	4.3	4.8

TOLEDO, OHIO.

[ϕ= 41° 40′ N.; λ= 83° 34′ W.]

January	29.453	29.915	28.787	28.4	30.8	37.4	22.8	30.1	55	4	24	24	81	74	0.138	0.138	2.14	0.95	7.0	7.1	6.9
February	29.428	29.870	28.955	28.5	32.0	38.2	24.5	31.4	62	13	24	24	81	72	.133	.134	2.22	1.07	7.4	7.1	6.3
March	29.338	29.907	28.629	32.8	37.5	44.9	26.8	35.8	66	7	25	25	72	62	.141	.139	1.61	.67	5.8	5.1	4.9
April	29.415	29.901	28.714	43.3	48.0	55.5	38.9	47.2	73	22	36	37	75	66	.224	.237	4.16	2.24	5.4	6.0	5.2
May	29.364	29.736	28.722	63.0	70.6	78.0	56.8	67.4	95	38	51	53	66	55	.406	.427	1.63	.68	3.5	3.4	3.9
June	29.290	29.569	28.975	67.8	74.2	79.8	62.3	71.0	96	52	59	61	75	66	.513	.549	7.86	2.79	5.0	3.6	4.0
July	29.347	29.583	28.965	70.4	77.3	84.6	64.7	74.6	100	52	59	59	67	56	.508	.522	1.25	.49	2.6	3.3	2.8
August	29.352	29.563	29.164	67.7	74.3	80.0	63.5	71.8	94	49	60	61	78	65	.533	.552	3.87	1.89	5.0	3.7	4.2
September	29.389	29.641	29.072	61.8	68.3	74.0	58.1	66.0	89	48	56	58	82	70	.459	.490	3.26	1.09	5.2	4.6	4.5
October	29.403	29.730	28.966	47.3	53.0	58.6	44.1	51.4	78	33	43	45	85	74	.288	.308	4.46	1.15	5.5	5.0	5.5
November	29.328	29.963	28.632	33.6	37.9	43.5	30.3	36.9	70	13	28	29	78	69	.160	.172	3.48	.88	7.1	6.1	6.1
December	29.441	29.894	28.779	32.8	35.9	40.9	29.5	35.2	58	15	28	30	82	77	.160	.170	3.17	.80	7.6	7.5	7.5
Year	29.379	29.963	28.629	48.1	53.3	59.6	43.5	51.6	100	4	41	42	77	67	.305	.320	39.11	2.79	5.6	5.2	5.1

Annual meteorological summary for the year ending December 31, 1911—Continued.

TATOOSH ISLAND, WASH.

[H=86 ft.; h_t=7 ft.; h_r=4 ft.; h_a=57 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	19.0	SE.	66	SE.	10	0	17	2	16	12	10	3	2	0	0	1	30	26	26	11	8	2	1	4	0	8	0	0
February	17.3	NE.	62	SE.	7	5	20	3	15	4	3	4	2	0	9	5	14	15	12	5	4	0	0	3	7	0	2	0	0
March	14.7	NE.	56	W.	5	3	14	4	5	12	9	11	4	0	6	4	21	10	10	1	1	0	6	0	0	0	0	0	0
April	13.5	W.	49	S.	3	2	8	4	4	6	6	26	4	0	13	7	10	11	9	4	1	2	0	0	0	0	0	1	0
May	12.2	S.	68	S.	6	2	4	6	5	15	14	14	2	0	6	6	19	13	12	0	0	0	3	0	0	0	0	0	0
June	11.8	S.	40	S.	1	0	4	2	4	19	19	12	0	0	4	9	17	12	7	0	0	0	5	0	0	0	0	0	0
July	10.8	S.	39	NE.	0	3	6	3	3	23	12	11	1	0	12	6	13	4	3	0	0	0	10	0	0	0	0	0	0
August	10.0	S.	28	NE.	0	2	3	4	2	23	18	5	4	1	7	5	19	8	3	0	0	0	17	0	0	0	0	0	0
September	11.1	S.	46	S.	2	1	13	3	6	25	9	2	0	1	6	8	16	14	13	0	0	0	12	0	0	0	0	2	0
October	12.9	NE.	49	SW.	2	0	27	10	9	8	3	4	1	0	11	3	17	12	9	0	0	0	2	0	0	0	0	0	1
November	21.6	NE.	70	S.	20	0	12	10	8	6	12	11	1	0	2	5	23	24	21	4	2	0	3	1	0	3	0	0	0
December	18.6	SE.	66	S.	10	2	9	6	16	11	4	11	3	0	4	4	23	26	22	2	1	0	2	0	0	0	0	0	0
Year	14.5	S.	70	S.	66	20	137	57	93	164	119	114	24	2	80	63	222	175	147	27	17	4	61	5	0	13	3	1

TAYLOR, TEX.

[H=583 ft.; h_t=55 ft.; h_r=48 ft.; h_a=63 ft.]

January	10.0	S.	30	S.	0	7	0	0	2	17	3	1	1	0	19	12	9	6	2	1	0	0	2	1	0	5	0	0
February	11.0	N.	32	S.	0	8	0	2	4	7	1	3	3	0	9	6	13	11	8	0	0	0	0	0	0	5	1	0
March	8.9	S.	36	N.	0	7	1	1	5	7	5	2	3	0	12	7	12	8	7	0	0	0	1	0	0	1	0	3
April	9.3	N.	44	W.	2	10	2	1	1	10	1	0	4	1	7	11	12	13	9	0	0	3	1	0	0	0	3	0
May	7.9	S.	38	NE.	0	5	1	3	6	11	3	1	1	0	17	11	3	5	2	0	0	0	0	0	0	3	0	0
June	9.1	S.	24	S.	0	3	2	0	2	22	1	0	0	0	26	4	0	2	2	0	0	0	0	0	29	0	3	0
July	9.2	S.	30	S.	0	2	0	0	2	25	1	0	0	1	13	14	4	7	4	0	0	0	0	0	24	0	6	0
August	8.3	S.	28	E.	0	2	0	1	0	17	5	1	3	2	22	8	1	3	3	0	0	0	0	0	26	0	5	0
September	6.9	S.	28	SE.	0	2	1	2	4	16	2	1	1	1	21	8	1	4	2	0	0	0	1	0	28	0	4	0
October	7.9	N.	27	NW.	0	11	1	1	3	7	0	3	4	1	19	3	9	9	7	0	0	0	1	0	6	0	4	0
November	9.3	SW.	34	N.	0	6	1	0	2	6	6	4	4	1	17	7	6	7	4	0	0	0	0	0	0	7	0	0
December	7.5	N.	30	NW.	0	11	1	6	1	3	6	0	3	0	12	14	5	13	11	0	0	0	3	1	0	8	1	0
Year	8.8	S.	44	W.	2	74	10	17	32	148	34	16	27	7	185	105	75	88	61	1	0	4	8	2	117	25	38	0

THOMASVILLE, GA.

[H=273 ft.; h_t=8 ft.; h_r=4 ft.; h_a=57 ft.]

January	4.8	S.	19	NW.	0	6	9	7	5	10	7	6	9	3	17	9	5	3	1	0	0	0	9	0	0	5	0	0
February	5.[illegible]	S.	22	SW.	0	9	5	5	3	14	5	6	10	2	15	9	4	5	5	0	0	0	8	0	0	4	1	0
March	6.3	SW.	26	W.	0	2	7	7	7	13	9	6	11	0	20	6	5	4	4	0	0	0	4	0	0	0	3	0
April	6.5	E.	22	NW.	0	3	13	13	2	17	3	3	6	0	17	4	9	7	4	0	0	0	2	0	0	0	4	0
May	5.2	E.	21	SW.	0	4	15	14	8	4	4	5	8	0	15	12	4	9	9	0	0	0	0	0	10	0	6	0
June	4.3	SW.	26	NW.	0	5	6	0	7	12	15	8	5	2	8	17	5	13	10	0	0	0	0	0	23	0	18	0
July	4.2	SW.	36	SW.	0	5	7	7	7	7	15	9	4	1	6	12	13	19	17	0	0	0	0	0	17	0	19	0
August	4.9	E.	26	SW.	0	2	5	13	10	12	10	6	4	0	3	15	13	17	12	0	0	0	0	0	14	0	21	0
September	3.6	E.	20	SW.	0	2	10	9	9	12	7	8	3	0	14	12	4	11	10	0	0	0	0	0	22	0	11	0
October	4.7	NE.	19	NE.	0	5	18	10	3	4	8	7	7	0	16	5	10	7	4	0	0	0	1	0	11	0	0	0
November	5.7	NW.	24	SW.	0	12	11	7	3	3	2	5	14	3	12	7	11	12	8	0	0	0	0	0	0	5	0	0
December	6.0	NE.	21	NE.	0	8	16	13	4	6	3	6	6	0	12	4	15	12	11	0	0	0	0	0	0	6	0	0
Year	5.1	NE.	36	SW.	0	60	122	105	68	114	88	75	87	11	155	112	93	119	95	0	0	0	24	0	97	20	83	0

TOLEDO, OHIO.

[H=628 ft.; h_t=208 ft.; h_r=201 ft.; h_a=246 ft.]

January	17.2	SW.	61	SW.	7	6	1	3	2	16	16	11	7	0	7	6	18	14	8	10	4	0	1	10	0	26	0	0
February	16.2	SW.	46	E.	4	5	5	6	2	4	11	14	9	0	6	10	12	8	7	13	5	0	3	7	0	22	1	0
March	17.4	W.	57	SW.	4	8	5	3	5	12	7	14	8	0	14	8	9	10	6	15	6	0	0	2	0	27	0	0
April	15.8	S.	57	SW.	4	5	7	9	7	9	7	9	7	0	12	6	12	14	12	4	3	0	0	0	0	6	1	0
May	18.7	SW.	56	SW.	4	4	4	7	4	8	19	11	5	0	20	10	1	10	4	0	0	0	0	0	4	0	6	0
June	12.2	SW.	46	SW.	1	5	7	5	5	4	15	9	10	0	14	9	7	7	7	0	0	0	0	0	3	0	6	0
July	13.0	SW.	60	SW.	2	2	2	4	5	8	23	9	9	0	20	9	2	9	6	0	0	0	0	0	9	0	6	0
August	11.0	SW.	40	S.	1	8	8	7	3	4	13	8	11	0	16	9	6	10	7	0	0	0	0	0	2	0	7	0
September	11.6	NW.	38	W.	0	9	2	8	8	4	8	7	14	0	12	9	9	13	8	0	0	0	1	0	0	0	6	0
October	13.0	SW.	53	SW.	2	13	7	5	8	6	10	5	8	0	13	3	15	17	13	0	0	0	3	0	0	0	8	0
November	19.3	SW.	57	S.	8	1	0	5	3	13	23	8	7	0	10	7	13	15	9	12	8	0	0	4	0	19	0	0
December	15.6	SW.	59	SW.	4	0	2	10	2	13	20	8	7	0	7	3	21	16	13	11	5	0	2	3	0	20	0	0
Year	14.7	SW.	61	SW.	41	66	50	72	54	101	172	113	102	0	151	89	125	143	100	65	31	0	10	26	18	120	41	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

TONOPAH, NEV.

[ϕ=38° 04′ N.; λ=117° 14′ W.]

Month.	Pressure.			Temperature.							Moisture.											
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.			Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.		8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	24.046	24.424	23.625	30.6	36.2	36.5	28.1	33.3	50	16	26	27	86	68	0.140	0.148	0.31	0.12		4.1	4.9	5.1
February	23.958	24.330	23.660	21.7	30.3	32.2	19.2	25.7	42	5	17	21	83	70	.095	.113	.94	.36		2.6	5.1	4.5
March	24.075	24.321	23.831	36.4	48.2	49.9	34.8	42.4	69	24	27	27	70	49	.147	.145	1.14	.46		3.8	5.0	4.6
April	23.984	24.302	23.633	37.1	54.2	56.2	34.3	45.2	71	17	20	18	51	25	.109	.099	.63	.52		2.3	3.6	3.3
May	23.962	24.241	23.732	42.3	60.3	63.6	39.7	51.6	76	25	24	22	48	24	.126	.120	T.	T.		3.4	4.5	4.2
June	24.054	24.231	23.742	55.4	73.6	76.3	53.0	64.6	88	40	32	32	42	24	.182	.186	.10	.10		2.7	4.8	3.6
July	24.144	24.302	23.923	62.9	81.3	85.4	61.0	73.2	93	49	38	37	43	23	.246	.235	.99	.48		3.1	5.5	4.3
August	24.090	24.217	23.960	61.7	83.6	84.6	60.4	72.5	92	55	26	26	25	12	.138	.139	.00	.00		.2	.6	.6
September	24.075	24.201	23.847	52.4	69.7	71.2	50.2	60.7	84	39	27	27	39	23	.149	.154	.27	.27		2.8	2.6	2.7
October	24.090	24.301	23.754	42.8	57.0	59.5	39.6	49.6	71	27	24	25	48	31	.129	.132	.40	.38		1.6	2.5	2.6
November	24.125	24.352	23.699	33.3	43.4	46.9	30.1	38.5	56	12	19	18	54	35	.102	.102	.02	.02		1.6	2.6	2.8
December	24.049	24.352	23.661	24.1	31.3	35.0	20.8	27.9	55	5	14	16	67	56	.079	.090	.13	.06		2.9	4.5	4.6
Year	24.054	24.424	23.625	41.7	55.8	58.3	39.3	48.8	93	5	24	25	54	37	.137	.139	4.93	.52		2.6	3.8	3.6

TOPEKA, KANS.

[ϕ=39° 3′ N.; λ=95° 41′ W.]

January					33.2	41.7	23.3	32.5	67	−10							0.54	0.42				6.3
February					38.2	44.4	26.9	35.6	71	7							5.59	2.58				4.5
March					50.7	58.0	34.6	46.3	79	19							.75	.50				3.6
April					58.9	64.7	42.6	53.6	92	31							2.39	.98				4.4
May					73.5	78.6	57.6	68.1	95	35							1.01	.72				3.9
June					87.6	92.6	69.0	80.8	106	57							.55	.32				2.4
July					83.9	89.2	68.5	78.8	107	56							3.91	2.83				3.7
August					82.2	88.2	66.3	77.2	104	52							4.44	2.38				2.2
September					76.2	83.9	63.4	73.6	99	40							4.45	1.02				4.7
October					55.0	64.2	45.8	55.0	84	34							.81	.41				5.5
November					41.2	49.7	27.3	38.5	73	7							.96	.65				4.4
December					35.7	42.5	25.5	34.0	62	− 3							2.41	1.58				4.7
Year					59.7	66.5	45.9	56.2	107	−10							28.71	2.83				4.2

VALENTINE, NEBR.

[ϕ=42° 50′ N.; λ=100° 32′ W.]

January	27.273	27.723	26.682	17.7	27.0	38.3	10.9	24.6	65	−24	13	19	81	71	0.089	0.113	0.40	0.74		4.5	4.3	3.8
February	27.378	28.009	26.785	16.2	31.4	38.9	12.9	25.9	66	− 5	13	18	87	60	.081	.097	.71	.43		3.0	5.1	3.9
March	27.277	27.813	26.789	31.1	50.2	56.8	26.7	41.8	78	11	22	24	69	39	.118	.131	.48	.41		3.6	3.8	3.2
April	27.253	27.690	26.834	34.9	51.7	58.5	32.0	44.2	75	12	28	27	73	46	.158	.157	2.34	1.37		5.2	5.0	4.8
May	27.216	27.577	26.651	48.8	66.5	76.9	46.6	58.8	91	20	42	41	79	47	.282	.277	1.37	.47		4.1	4.8	4.2
June	27.221	27.537	26.860	62.5	82.5	87.7	58.8	73.2	103	47	52	48	69	33	.387	.351	.99	.41		2.7	3.7	3.2
July	27.309	27.636	26.980	62.1	81.1	85.2	58.1	71.6	98	49	53	46	73	33	.409	.333	.68	.19		2.4	2.4	2.8
August	27.315	27.635	27.001	58.4	74.3	79.8	55.5	67.6	100	36	54	54	86	52	.424	.424	3.60	.95		4.5	4.2	4.3
September	27.294	27.533	27.034	55.0	70.2	74.8	51.6	63.2	90	38	50	49	84	51	.366	.372	2.17	.98		5.1	3.2	4.2
October	27.349	27.731	26.931	36.5	48.0	55.6	33.5	44.6	77	17	34	36	89	67	.201	.220	4.81	2.10		4.5	3.7	3.9
November	27.288	27.989	26.835	21.8	29.9	39.7	16.3	28.0	58	− 7	17	19	79	65	.097	.105	.05	.03		4.6	4.4	4.8
December	27.280	27.626	26.769	17.9	24.6	34.1	13.3	23.7	65	−17	14	16	84	70	.090	.093	.30	.26		4.2	4.1	4.4
Year	27.288	28.009	26.651	38.6	53.1	59.9	34.7	47.3	103	−24	33	33	80	53	.225	.223	17.90	2.10		4.0	4.1	4.0

VICKSBURG, MISS.

[ϕ=32° 22′ N.; λ=90° 53′ W.]

January	29.967	30.352	29.560	49.7	58.0	63.5	47.2	55.4	77	14	44	46	83	65	0.331	0.344	4.70	4.30		6.3	4.6	6.7
February	29.881	30.401	29.458	53.2	60.6	66.2	50.6	58.4	81	28	48	46	81	59	.370	.341	4.64	2.26		6.8	5.3	6.1
March	29.823	30.132	29.489	54.0	66.2	71.9	52.1	62.0	88	39	45	44	74	48	.328	.315	1.80	1.01		5.5	3.3	4.2
April	29.752	30.072	29.416	60.4	68.8	75.1	57.4	66.2	86	45	54	55	81	63	.436	.450	11.41	3.73		7.3	5.3	6.6
May	29.786	30.080	29.492	68.4	79.3	84.5	64.3	74.4	97	50	59	58	72	50	.514	.504	.65	.34		2.2	3.8	2.8
June	29.713	29.888	29.570	76.3	85.0	92.0	73.3	82.6	98	69	68	66	77	57	.694	.680	2.07	1.29		3.2	5.2	4.0
July	29.785	29.959	29.628	73.8	79.6	85.8	71.1	78.4	92	64	70	70	87	74	.726	.742	6.22	1.27		7.4	8.5	7.6
August	29.712	29.835	29.592	74.7	81.0	88.0	72.3	80.2	98	63	71	71	88	73	.756	.766	2.86	.84		5.2	6.6	6.0
September	29.780	29.891	29.653	74.7	82.8	90.6	72.8	81.7	95	69	71	71	89	68	.762	.760	2.47	2.16		2.3	4.3	4.4
October	29.786	30.045	29.572	61.4	70.5	78.2	58.9	68.6	92	39	57	58	86	65	.482	.496	.67	.41		4.5	3.9	4.4
November	29.892	30.307	29.502	45.5	55.7	63.1	43.1	53.1	83	23	38	37	74	53	.260	.257	4.83	2.22		5.0	3.7	4.9
December	29.855	30.279	29.435	47.0	53.3	58.7	43.8	51.2	74	30	42	42	81	68	.288	.285	13.77	2.61		6.7	6.1	7.0
Year	29.812	30.401	29.416	61.6	70.1	76.5	58.9	67.7	98	14	56	55	81	62	.496	.493	56.09	4.30		5.2	5.1	5.4

Annual meteorological summary for the year ending December 31, 1911—Continued.

TONOPAH, NEV.

[H=6,090 ft.; h_1=12 ft.; h_r=9 ft.; h_a=20 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January....	12.9	SE.	42	SE.	2	0	0	1	38	2	2	13	6	0	14	9	8	7	5	3	3	0	0	2	0	26	0	0
February...	10.3	SE.	37	SE.	0	2	0	7	20	1	1	14	11	0	11	11	6	7	5	11	7	0	0	11	0	28	0	0
March.....	9.9	SE.	48	SE.	1	1	3	6	30	0	3	8	11	0	11	14	6	8	7	4	3	0	0	0	0	11	0	0
April.....	9.5	NW.	44	NW.	2	0	1	3	14	2	3	17	20	0	18	9	3	3	2	1	1	0	0	0	0	12	0	0
May.....	10.9	SE.	49	NW.	2	2	2	1	22	3	1	11	20	0	10	19	2	0	0	2	0	0	0	0	0	8	0	0
June.....	9.5	SE.	35	NW.	0	0	1	1	23	2	3	18	12	0	15	14	1	1	1	0	0	0	0	0	0	0	0	0
July.....	7.0	W.	37	NW.	0	3	0	1	11	3	4	26	14	0	8	22	1	7	6	0	0	0	0	0	6	0	7	0
August.....	7.1	SE.	24	W.	0	2	1	1	20	4	2	20	12	0	31	0	0	0	0	0	0	0	0	0	2	0	0	0
September..	8.5	SE.	37	SE.	0	1	0	1	24	4	1	13	16	0	19	7	4	1	1	0	0	0	0	0	0	0	0	0
October.....	10.0	SE.	40	NW.	1	0	0	0	27	3	4	12	16	0	20	8	3	3	2	0	0	0	0	0	0	3	0	0
November..	8.5	W.	49	W.	2	1	0	1	13	4	1	25	15	0	20	8	2	1	0	1	1	0	0	1	0	17	0	0
December..	10.4	W.	36	NW.	0	0	1	1	14	1	2	22	21	0	10	16	5	4	2	5	4	0	0	10	0	26	0	0
Year..	9.5	SE.	49	NW.	10	12	9	24	256	29	27	199	174	0	187	137	41	42	31	27	19	0	0	24	8	131	7	0

TOPEKA, KANS.

[H=— ft.; h_1=85 ft.; h_r=76 ft.; h_a=101 ft.]

January....	10.4	S.	33	S.	0	4	3	3	5	8	3	1	4	0	6	12	13	4	3	1	0	0	0	10	0	24	2	0
February...	10.6	NW.	37	W.	0	5	3	5	2	4	2	1	6	0	14	5	9	8	7	6	2	0	0	5	0	19	1	0
March.....	11.1	N.	44	SW.	1	7	2	3	6	5	4	0	4	0	16	10	5	6	6	3	1	0	0	2	0	13	2	0
April.....	11.1	E.	46	W.	2	4	3	5	6	3	2	4	3	0	10	16	4	10	6	1	0	1	0	0	1	2	7	0
May.....	12.7	S.	40	S.	2	3	1	3	6	13	2	1	2	0	13	15	3	9	7	0	0	0	0	0	5	0	4	0
June.....	10.6	S.	47	SW.	1	3	2	4	8	7	4	0	2	0	21	7	2	4	3	0	0	0	0	0	23	0	6	0
July.....	8.7	S.	29	N.	0	1	5	2	2	17	2	0	2	0	16	8	7	10	8	0	0	0	3	0	12	0	8	0
August.....	7.3	S.	46	SW.	2	3	5	3	9	7	1	2	1	0	22	7	2	10	8	0	0	0	0	0	16	0	7	0
September..	9.1	S.	32	NW.	0	3	3	2	4	14	2	1	1	0	13	9	8	13	11	0	0	1	1	0	11	0	10	0
October.....	9.2	N.	36	S.	0	5	2	4	6	5	1	3	5	0	10	10	11	7	6	1	0	0	1	0	0	0	4	0
November..	12.0	S.	42	NW.	2	3	1	3	6	4	5	2	6	0	12	11	7	7	4	6	3	0	0	3	0	18	2	0
December..	9.6	S.	44	S.	1	1	3	2	6	4	7	2	6	0	12	11	8	7	5	5	4	0	4	5	0	25	0	1
Year..	10.2	S.	47	SW.	11	42	33	39	66	91	35	17	42	0	165	121	79	95	74	22	10	2	11	23	68	101	53	1

VALENTINE, NEBR.

[H=2,598 ft.; h_1=47 ft.; h_r=36 ft.; h_a=54 ft.]

January....	10.2	W.	47	NW.	2	4	5	6	2	2	15	17	10	1	14	16	1	3	2	6	3	0	0	6	0	30	0	0
February...	8.6	NW.	33	NW.	0	12	3	4	4	3	6	8	15	1	12	14	2	3	3	6	3	0	1	8	0	28	0	0
March.....	12.6	NW.	44	N.	1	11	5	0	5	6	9	11	13	2	17	12	2	5	2	5	2	0	0	0	0	24	1	0
April.....	12.6	S.	42	NW.	2	9	6	4	6	14	4	8	9	0	12	10	8	11	8	4	4	0	0	1	0	17	3	0
May.....	12.3	S.	44	NW.	1	9	2	4	6	19	4	5	13	0	14	11	6	10	8	0	0	0	0	0	3	2	4	0
June.....	11.2	S.	40	S.	1	4	8	9	8	14	5	2	6	4	16	14	0	7	4	0	0	0	0	0	15	0	12	0
July.....	9.7	S.	44	NW.	2	7	4	10	2	12	11	2	10	4	20	11	0	7	5	0	0	0	0	0	8	0	8	0
August.....	9.8	S.	44	N.	1	7	9	7	9	13	3	6	7	1	11	17	3	14	11	0	0	0	1	0	6	0	11	0
September..	9.6	S.	36	E.	0	6	6	10	6	10	7	3	7	5	9	18	3	9	7	0	0	0	1	0	0	0	6	0
October.....	8.7	NW.	36	W.	0	9	4	4	4	8	1	13	16	3	17	9	5	11	7	4	3	0	1	0	0	10	1	1
November..	11.6	NW.	39	SW.	0	8	4	2	0	7	4	14	20	1	10	14	6	3	0	9	3	0	1	8	0	27	1	0
December..	8.7	NW.	32	NW.	0	4	2	5	3	3	4	15	25	1	14	10	7	3	1	9	3	0	0	14	0	31	0	1
Year..	10.5	NW.	47	NW.	10	90	58	65	55	111	73	104	151	23	166	156	43	86	58	43	21	1	9	37	32	169	47	2

VICKSBURG, MISS.

[H=247 ft.; h_1=62 ft.; h_r=53 ft.; h_a=74 ft.]

January....	7.9	SW.	26	SW.	0	4	10	3	11	13	16	0	5	0	4	14	13	6	5	2	2	0	3	2	0	4	0	0
February...	8.1	SE.	23	SW.	0	8	8	7	13	7	8	0	5	0	8	8	12	9	7	0	0	0	0	0	0	2	2	0
March.....	7.6	S.	30	NW.	0	6	8	5	8	16	7	4	8	0	19	4	8	9	6	0	0	0	1	0	0	0	2	0
April.....	7.8	SE.	30	E.	0	6	9	9	12	11	7	2	4	0	7	8	15	13	13	0	0	1	0	0	0	0	11	0
May.....	5.5	NE.	34	NW.	0	6	12	10	8	9	7	3	5	2	18	10	3	6	6	0	0	0	0	0	10	0	5	0
June.....	5.9	SW.	20	E.	0	1	7	11	8	10	15	5	2	1	14	11	5	8	7	0	0	0	0	0	23	0	11	0
July.....	5.6	SE.	25	E.	0	1	4	8	17	15	10	5	1	1	1	13	17	15	11	0	0	0	0	0	7	0	12	0
August.....	5.5	SE.	24	SW.	0	8	0	11	14	8	14	4	2	1	7	13	11	14	11	0	0	0	0	0	10	0	5	0
September..	4.6	E.	16	NE.	0	5	4	13	11	10	10	4	2	1	10	17	3	6	4	0	0	0	1	0	21	0	6	0
October.....	5.3	N.	24	NW.	0	18	14	6	5	9	3	2	2	3	16	7	8	7	3	0	0	0	4	0	4	0	1	0
November..	7.9	SE.	36	NW.	0	6	7	8	16	8	3	3	9	0	13	8	9	9	7	0	0	0	1	0	0	7	2	0
December..	7.6	E.	28	W.	0	7	8	18	8	4	7	3	7	0	8	3	20	19	16	0	0	0	1	0	0	2	3	0
Year..	6.6	SE.	36	NW.	0	76	91	109	131	120	107	35	52	9	125	116	124	121	96	2	2	1	11	2	75	15	60	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

WALLA WALLA, WASH.

[ϕ=46° 02′ N.; λ=118° 20′ W.]

Month.	Pressure.			Temperature.							Moisture.											
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.	
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	28.936	29.588	28.225	33.4	38.4	43.2	28.9	36.0	59	8	24	25	89	89	0.133	0.136	0.81	0.26	6.9	7.9	7.5	
February	29.050	29.500	28.330	29.3	36.0	40.0	26.2	33.1	54	11	23	26	77	66	.124	.136	2.14	.81	5.9	5.9	6.3	
March	29.019	29.383	28.515	41.0	57.3	60.1	37.7	48.9	79	12	30	30	65	38	.165	.166	.46	.18	3.9	3.6	3.3	
April	28.940	29.432	28.547	43.3	60.6	63.4	39.9	51.6	85	31	29	26	57	28	.159	.142	.63	.44	4.7	4.1	3.8	
May	28.885	29.327	28.460	48.2	63.7	67.2	45.6	56.4	89	39	37	38	68	42	.226	.230	3.64	.98	6.1	5.4	5.5	
June	28.891	29.112	28.575	56.5	77.0	78.6	54.7	66.6	97	45	42	39	60	29	.275	.255	1.22	.62	4.4	4.3	3.9	
July	28.912	29.147	28.625	65.7	89.6	90.9	63.3	77.1	108	50	39	34	41	16	.247	.201	T.	T.	2.4	1.7	1.9	
August	28.902	29.124	28.703	61.6	84.4	85.9	60.0	73.0	95	54	39	38	46	20	.247	.231	.02	.02	1.3	1.8	1.9	
September	28.932	29.178	28.617	53.5	67.9	70.9	51.7	61.3	93	42	42	40	65	40	.271	.261	1.45	.57	4.6	4.6	4.4	
October	29.031	29.358	28.400	46.1	58.8	62.6	43.8	53.2	86	32	35	35	65	43	.208	.208	.72	.51	4.5	3.9	4.3	
November	29.062	29.617	28.383	37.9	44.6	48.9	34.0	41.4	63	10	29	32	72	62	.166	.182	1.10	.29	5.7	6.3	6.4	
December	29.043	29.376	28.458	34.0	37.2	42.3	30.7	36.5	55	17	28	30	80	76	.153	.165	1.19	.33	7.3	6.8	6.9	
Year	28.967	29.617	28.225	45.9	59.6	62.8	43.0	52.9	108	8	33	33	64	43	.198	.193	13.38	.98	4.7	4.7	4.7	

WASHINGTON, D. C.

[ϕ=38° 54′ N.; λ=77° 3′ W.]

January	30.071	30.636	29.362	34.6	39.2	46.9	29.6	38.2	68	15	27	30	73	70	0.156	0.180	2.92	0.79	6.0	4.6	6.0	
February	30.027	30.513	29.621	32.8	38.3	44.7	29.2	37.0	68	21	25	26	72	63	.139	.146	1.92	.72	6.6	4.4	5.8	
March	29.941	30.503	29.137	35.4	42.8	50.7	31.3	41.0	75	14	26	26	68	53	.146	.147	2.31	.69	5.4	3.8	5.0	
April	30.021	30.459	29.389	46.6	53.6	60.8	41.5	51.2	80	26	37	38	71	60	.236	.251	2.85	.82	7.3	5.6	5.6	
May	29.920	30.265	29.391	64.9	73.2	82.8	57.3	70.0	96	37	53	51	66	48	.428	.411	.87	.69	3.3	4.4	3.0	
June	29.827	30.071	29.546	68.8	74.4	83.1	62.9	73.0	101	56	61	61	78	66	.547	.557	4.55	2.11	6.4	6.1	5.0	
July	29.897	30.096	29.589	75.0	80.6	89.6	67.8	78.7	99	56	65	65	73	60	.635	.638	4.47	2.56	4.0	5.5	4.1	
August	29.900	30.058	29.664	72.3	76.2	85.9	67.3	76.6	100	54	66	66	80	73	.642	.658	7.27	2.15	5.4	5.7	5.0	
September	29.947	30.238	29.626	66.0	70.2	79.6	61.1	70.4	89	46	61	63	84	78	.547	.587	2.03	1.09	7.6	3.0	5.7	
October	29.973	30.404	29.560	52.8	57.5	66.1	48.3	57.2	80	38	47	51	82	78	.339	.381	4.07	1.93	6.6	4.5	5.5	
November	29.970	30.550	29.269	39.2	43.2	51.4	34.2	42.8	70	22	32	31	75	62	.194	.185	3.85	.95	6.0	3.9	5.8	
December	30.072	30.456	29.408	36.7	41.7	48.4	33.5	41.0	67	22	31	33	79	70	.181	.196	3.34	.89	6.2	4.8	6.7	
Year	29.964	30.636	29.137	52.1	57.6	65.8	47.0	56.4	101	14	44	45	75	65	.349	.361	40.45	2.56	5.9	4.7	5.3	

WICHITA, KANS.

[ϕ=37° 41′ N.; λ=97° 20′ W.]

January	28.697	29.147	28.203	30.4	37.9	45.6	25.3	35.4	74	−10	24	23	76	58	0.145	0.140	0.02	0.02	5.9	5.3	6.6	
February	28.703	29.319	28.099	31.3	41.1	46.7	28.5	37.6	75	10	25	28	78	63	.147	.162	4.23	2.15	4.9	5.8	5.3	
March	28.639	29.068	28.172	39.8	55.0	60.3	36.6	48.4	80	12	30	34	70	48	.179	.209	.10	.09	3.8	4.5	4.4	
April	28.570	29.066	28.036	47.0	61.3	66.9	43.9	55.4	92	32	40	39	76	48	.258	.257	2.19	1.29	5.2	5.3	5.1	
May	28.566	28.926	28.054	61.0	73.6	77.7	57.5	67.6	93	35	51	51	71	49	.393	.398	4.66	3.05	5.7	5.7	5.4	
June	28.511	28.720	28.216	73.5	89.2	93.2	69.8	81.5	107	60	57	57	59	35	.480	.474	T.	T.	3.3	2.7	3.0	
July	28.592	28.896	28.318	71.3	82.9	87.4	68.8	78.1	101	58	63	62	76	53	.582	.569	5.95	3.18	5.3	5.1	4.5	
August	28.573	28.790	28.364	68.8	82.7	87.7	66.7	77.2	101	54	62	64	80	54	.577	.605	4.32	2.87	4.3	2.9	3.5	
September	28.568	28.815	28.304	67.4	79.4	86.6	65.6	76.1	97	51	63	63	85	60	.579	.594	10.56	7.99	3.4	4.7	4.2	
October	28.635	28.967	28.224	50.4	60.2	67.6	46.9	57.2	89	30	46	43	84	57	.335	.306	.94	.73	4.8	4.1	5.1	
November	28.611	29.364	28.046	34.4	44.9	52.1	29.1	40.6	75	9	27	26	74	50	.159	.159	.87	.40	4.6	4.3	4.8	
December	28.605	28.938	28.113	29.5	36.3	41.2	26.0	33.6	60	− 2	25	28	82	72	.143	.160	3.05	1.93	4.2	4.4	4.8	
Year	28.606	29.364	28.036	50.4	62.0	67.8	47.1	57.4	107	−10	43	43	76	54	.331	.336	36.89	7.99	4.5	4.6	4.7	

WILLISTON, N. DAK.

[ϕ=48° 9′ N.; λ=103° 35′ W.]

January	27.991	28.617	27.437	−3.1	2.2	11.8	−11.5	0.2	35	−31	−4	0	96	91	0.040	0.050	0.56	0.15	6.4	5.3	6.3	
February	28.129	28.857	27.623	−2.0	10.0	16.7	− 6.3	5.2	34	−23	−3	8	96	91	.038	.062	.34	.18	4.2	3.1	4.8	
March	27.959	28.572	27.413	24.9	37.2	44.1	21.2	32.6	72	− 8	21	23	83	80	.113	.128	.20	.11	5.1	4.4	4.6	
April	27.965	28.318	27.540	33.8	49.0	54.0	31.0	42.5	86	14	26	25	73	45	.143	.142	.24	.10	4.9	5.6	...	
May	27.899	28.280	27.372	44.9	61.7	66.7	41.3	54.0	87	10	38	42	78	54	.241	.288	2.81	1.29	5.8	5.7	6.2	
June	27.914	28.280	27.642	59.1	74.0	78.4	54.8	66.6	97	46	51	54	77	52	.386	.427	1.44	.45	5.6	6.3	5.8	
July	28.002	28.420	27.497	56.1	75.0	78.3	51.4	64.8	98	41	47	43	74	34	.333	.283	1.21	.62	3.4	3.4	3.5	
August	28.018	28.356	27.682	53.0	69.6	74.8	50.3	62.6	96	32	48	50	84	52	.347	.388	2.27	1.22	5.1	5.5	5.5	
September	28.001	28.284	27.709	45.1	59.2	65.3	43.3	54.3	83	30	41	44	88	59	.266	.293	2.25	.62	5.3	5.3	5.7	
October	28.046	28.632	27.258	34.9	45.7	53.3	32.3	42.8	81	6	31	33	87	63	.194	.199	.58	.28	5.3	5.1	6.0	
November	28.013	28.786	27.597	12.0	19.4	26.8	7.3	17.0	50	−14	10	16	94	85	.078	.094	1.25	.76	5.9	4.3	6.3	
December	27.988	28.411	27.296	14.4	17.0	23.5	9.4	16.4	44	−24	13	14	92	89	.087	.095	.59	.21	7.9	5.9	7.1	
Year	27.994	28.857	27.258	31.1	43.3	49.5	27.0	38.2	98	−31	27	29	85	65	.168	.202	13.69	1.29	5.4	5.0	....	

Annual meteorological summary for the year ending December 31, 1911—Continued.

WALLA WALLA, WASH.

[H=1,000 ft.; h_t=107 ft.; h_r=1,00ft.; h_a=115 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorm.	Aurora.
	Miles.		*Mi.*																									
January	8.3	S.	39	SE.	0	2	1	3	9	28	13	3	2	1	3	8	20	10	7	7	3	0	0	6	0	15	0	0
February	5.6	S.	39	SE.	0	3	3	2	13	25	4	3	1	2	9	5	14	10	9	11	8	0	1	5	0	20	0	0
March	5.8	S.	33	SE.	0	4	3	3	18	16	10	5	2	1	20	6	5	6	4	0	0	0	1	0	0	5	0	0
April	6.9	S.	32	SW.	0	3	1	3	5	27	11	8	2	0	16	9	5	5	3	3	2	0	0	0	0	1	0	0
May	6.4	S.	25	N.	0	5	3	3	9	29	6	2	3	2	10	6	15	15	14	0	0	1	0	0	0	0	3	0
June	6.4	S.	28	S.	0	5	2	2	9	31	6	4	1	0	14	12	4	9	6	0	0	0	0	2	0	4	0	0
July	6.8	SW.	26	SW.	0	3	3	7	5	16	24	1	1	0	24	6	1	0	0	0	0	0	0	17	0	0	0	0
August	7.2	S.	50	SW.	1	2	0	3	10	22	15	4	5	1	27	4	0	1	0	0	0	0	0	6	0	1	0	0
September	7.2	S.	36	SW.	0	5	3	4	11	15	17	1	3	1	13	13	4	8	6	0	0	0	0	1	0	2	0	0
October	5.5	S.	28	SE.	0	0	1	0	10	26	17	4	1	3	17	7	7	8	3	0	0	0	0	0	0	0	0	0
November	8.4	S.	36	SW.	0	2	0	2	10	26	15	2	0	3	9	4	17	12	9	3	3	0	1	4	0	13	0	0
December	6.6	S.	40	SW.	1	0	1	2	13	35	10	1	0	0	7	9	15	11	6	8	6	0	1	1	0	20	0	0
Year	6.8	S.	50	SW.	2	34	21	34	122	296	148	38	21	14	169	89	107	95	67	32	22	1	4	16	26	74	10	0

WASHINGTON, D. C.

[H=112 ft.; h_t=62 ft.; h_r=42 ft.; h_a=85 ft.]

January	7.0	S.	40	W.	1	9	5	2	4	19	4	2	14	3	10	5	16	13	8	3	3	0	4	2	0	19	0	0
February	7.8	NW.	31	NW.	0	4	9	5	4	6	1	9	17	1	11	5	12	11	9	7	4	0	3	1	0	21	2	0
March	9.9	NW.	48	NW.	2	8	7	1	5	12	7	9	13	0	12	9	10	13	11	7	3	0	2	1	0	15	5	0
April	7.8	S.	38	NW.	0	5	10	4	8	15	2	5	11	0	12	6	12	12	10	1	1	0	0	0	0	3	0	0
May	6.1	S.	30	W.	0	6	13	3	10	10	8	3	7	2	23	5	3	7	5	0	0	0	0	0	0	5	0	0
June	5.9	NW.	43	NW.	1	5	13	0	6	8	6	8	13	1	10	10	10	14	11	0	0	1	0	0	0	8	0	0
July	5.1	S.	48	NW.	1	9	3	3	8	19	6	3	8	3	14	13	4	7	7	0	0	2	0	0	0	8	0	0
August	5.6	S.	39	N.	0	6	10	9	9	13	3	7	4	1	10	11	10	16	14	0	0	0	0	0	0	12	0	0
September	5.1	N.	22	NW.	0	19	7	3	6	12	3	4	5	1	8	11	11	9	5	0	0	0	1	0	0	4	0	0
October	5.8	N.	22	NE.	0	21	10	3	1	10	4	4	6	3	12	7	12	11	8	0	0	0	3	0	0	0	0	0
November	7.6	NW.	42	NW.	1	10	3	1	2	12	4	5	21	2	8	11	11	9	8	2	0	0	2	1	0	16	0	0
December	5.7	S.	42	NW.	1	15	6	3	4	12	3	6	9	4	9	3	19	11	9	1	0	0	3	0	0	13	0	0
Year	6.6	S.	48	NW.	7	117	96	37	67	148	51	65	128	21	139	96	130	133	105	21	11	3	18	5	39	87	44	0

WICHITA, KANS.

[H=1,358 ft.; h_t=139 ft.; h_r=132 ft.; h_a=158 ft.]

January	8.5	S.	27	NW.	0	11	11	2	10	17	3	3	5	0	5	14	12	1	0	0	0	0	4	6	0	22	1	0
February	11.2	NE.	38	NE.	0	12	14	1	9	7	4	0	9	0	10	9	9	10	8	6	5	0	0	4	0	17	2	0
March	10.0	NE.	50	NW.	1	4	14	4	11	7	9	5	8	0	13	13	5	2	1	0	0	0	2	0	0	9	2	0
April	11.4	SE.	38	NW.	0	6	11	6	16	9	5	1	6	0	8	17	5	8	5	0	0	2	0	0	1	0	5	0
May	9.4	S.	36	NE.	0	4	9	2	10	23	6	2	6	0	8	16	7	8	8	0	0	2	0	0	4	0	4	0
June	8.8	SE.	30	SE.	0	7	5	3	19	18	5	1	2	0	18	12	0	0	0	0	0	0	0	0	25	0	5	0
July	10.9	S.	38	S.	0	2	6	4	10	32	5	0	3	0	11	15	5	11	7	0	0	0	0	0	12	0	8	0
August	9.9	S.	41	S.	1	5	11	0	15	29	0	0	2	0	16	13	2	5	5	0	0	0	0	0	15	0	6	0
September	12.7	S.	47	W.	3	1	9	5	13	30	1	1	0	0	16	9	5	8	7	0	0	1	2	0	14	0	10	0
October	12.6	NE.	48	S.	1	12	15	3	19	12	3	1	5	1	11	14	6	5	3	1	1	0	2	0	0	2	1	0
November	16.1	S.	53	S.	5	4	8	0	8	18	8	2	12	0	15	6	9	4	3	6	3	0	0	3	0	15	0	0
December	11.6	S.	45	S.	1	10	6	5	6	17	3	4	11	0	16	3	12	7	6	5	4	0	1	7	0	21	0	0
Year	11.1	S.	53	S.	12	78	119	35	137	219	52	20	69	1	147	141	77	69	53	18	13	5	11	20	71	86	44	0

WILLISTON, N. DAK.

[H=1,872 ft.; h_t=40 ft.; h_r=29 ft.; h_a=47 ft.]

January	6.7	NW.	35	NW.	0	9	4	5	12	4	7	10	11	0	6	10	15	9	4	12	9	0	1	30	0	31	0	0
February	5.5	N.	30	W.	0	12	4	2	6	10	10	9	3	0	12	11	5	4	2	4	4	0	5	26	0	28	0	0
March	9.7	N.	39	NW.	0	11	4	2	7	9	13	6	10	0	14	9	8	3	2	3	3	0	0	6	0	29	0	2
April	10.5	SE.	43	NW.	1	8	3	6	17	5	4	4	12	1	.....	.....	.....	8	2	6	6	0	0	4	0	17	1	0
May	10.3	SE.	39	E.	0	16	4	6	16	1	5	7	7	0	6	12	13	14	7	1	0	1	0	0	0	4	3	0
June	9.5	SE.	45	NW.	2	15	3	5	19	1	5	6	6	0	6	15	9	10	7	0	0	0	0	0	0	2	7	0
July	9.8	N.	47	NW.	3	24	2	3	6	1	3	8	15	0	17	11	3	9	7	0	0	1	0	0	4	0	6	0
August	7.5	SE.	59	NW.	2	20	3	8	17	3	2	5	2	2	11	9	11	11	7	0	0	2	0	0	2	1	7	3
September	8.5	SE.	41	W.	1	12	6	9	15	2	7	5	3	1	10	8	12	12	7	0	0	1	3	0	0	1	4	8
October	7.6	NW.	48	NW.	1	9	4	3	10	5	9	9	13	0	10	7	14	9	3	4	2	0	1	1	0	12	1	1
November	8.1	W.	40	NW.	1	5	1	4	9	6	12	11	11	1	6	13	11	13	4	15	12	0	0	15	0	30	0	0
December	7.5	SE.	40	NW.	1	5	5	1	17	6	9	11	7	1	5	10	16	13	5	21	12	0	0	20	0	31	0	0
Year	8.4	SE.	59	NW.	12	146	43	54	151	53	86	91	100	6	.....	.....	.....	115	57	66	48	5	10	102	8	184	29	14

Annual meteorological summary for the year ending December 31, 1911—Continued.

WILMINGTON N. C.

[ϕ=34° 14′ N.; λ=77° 57′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.171	30.622	29.670	44.1	50.3	60.3	40.5	50.4	74	27	39	42	84	75	0.261	0.291	2.03	1.39	4.2	3.9	4.7
February	30.072	30.478	29.651	44.7	50.9	61.4	41.6	51.5	76	28	38	41	79	70	.252	.272	.45	.41	6.0	4.2	4.7
March	30.017	30.505	29.404	47.3	52.9	61.6	43.4	52.5	78	32	39	42	74	67	.259	.282	3.95	1.41	5.0	3.4	4.1
April	30.068	30.429	29.623	57.1	60.1	69.3	51.0	60.2	84	38	49	49	76	68	.366	.368	.70	.34	4.5	4.7	5.0
May	29.989	30.187	29.758	67.0	69.8	79.0	61.3	70.2	93	48	59	60	76	72	.529	.539	.28	.14	3.5	3.5	4.4
June	29.896	30.078	29.644	75.3	77.2	87.6	69.9	78.8	98	58	68	70	79	79	.700	.738	2.14	.90	4.2	5.9	4.4
July	29.984	30.202	29.739	77.1	79.0	87.4	72.1	79.8	93	65	70	70	80	75	.746	.743	3.64	1.58	5.3	4.3	4.9
August	29.945	30.117	29.819	76.3	77.8	86.7	71.5	79.1	94	65	72	72	86	84	.773	.801	13.85	5.51	3.8	5.4	5.0
September	29.993	30.216	29.738	72.8	76.0	85.4	69.7	77.6	92	58	69	70	89	84	.723	.753	5.79	2.35	4.2	3.2	5.3
October	29.984	30.261	29.693	61.7	67.6	75.8	58.5	67.2	91	50	58	61	89	80	.499	.548	2.75	1.04	6.1	3.7	5.5
November	30.049	30.493	29.561	48.1	54.2	63.7	43.0	53.4	78	29	42	45	79	72	.296	.326	1.04	.33	5.9	4.4	4.9
December	30.116	30.508	29.758	46.6	52.9	61.3	43.0	52.2	74	28	40	45	79	76	.283	.333	3.41	1.23	5.6	4.5	5.4
Year	30.024	30.622	29.404	59.8	64.1	73.3	55.5	64.4	96	27	54	56	81	75	.474	.500	40.03	5.51	4.9	4.3	4.9

WINNEMUCCA, NEV.

[ϕ=40° 58′ N.; λ=117° 43′ W.]

January	25.613	26.119	25.027	23.8	33.2	39.6	18.4	29.0	53	− 5	19	25	82	72	.111	.137	2.37	0.73	5.6	7.1	6.7
February	25.592	26.001	25.139	22.6	34.5	39.7	18.9	29.3	52	4	18	24	80	66	.097	.129	0.21	0.05	4.7	6.5	6.0
March	25.669	25.990	25.388	31.4	53.9	57.6	28.9	43.2	78	23	27	26	83	37	.147	.143	0.44	0.22	3.6	5.3	4.9
April	25.579	25.994	25.273	33.1	53.9	59.7	31.1	45.4	77	16	27	25	77	38	.146	.137	1.24	0.54	3.4	5.1	5.0
May	25.541	25.882	25.268	37.8	60.6	65.8	35.8	50.8	80	26	30	27	73	30	.165	.146	0.42	0.31	4.6	6.0	5.6
June	25.577	25.770	25.326	49.7	73.9	79.5	47.7	63.6	92	35	41	38	74	30	.260	.240	1.13	0.36	3.1	5.4	5.1
July	25.660	25.808	25.396	54.3	84.8	89.9	53.4	71.6	99	41	39	38	58	20	.247	.235	0.12	0.10	1.9	2.7	2.2
August	25.614	25.777	25.425	48.1	82.2	87.7	45.8	66.8	93	40	30	32	50	17	.169	.181	0.01	0.01	0.7	1.5	1.2
September	25.599	25.802	25.306	40.0	69.0	75.3	36.8	56.0	89	26	27	31	61	25	.147	.171	T.	T.	2.6	3.5	3.1
October	25.660	25.987	25.320	30.7	58.0	64.8	27.5	46.2	79	17	24	27	76	32	.131	.148	0.22	0.19	3.1	2.7	3.7
November	25.748	26.013	25.152	25.1	41.1	50.5	20.6	35.6	63	6	20	25	78	54	.110	.135	0.29	0.13	4.1	4.9	5.1
December	25.673	25.995	25.185	18.1	31.4	40.6	11.2	25.9	55	− 5	12	19	77	59	.074	.102	0.42	0.11	4.9	5.0	5.7
Year	25.627	26.119	25.027	34.6	56.4	62.6	31.3	47.0	99	− 5	26	28	72	40	.150	.158	6.87	0.73	3.5	4.6	4.5

WYTHEVILLE, VA.

[ϕ=36° 56′ N.; λ=81° 5′ W.]

January	27.782	28.218	27.326	34.4	38.7	46.1	28.6	37.4	60	11	30	33	85	81	.187	.207	4.48	.97	6.8	5.8	6.4
February	27.720	28.060	27.303	34.9	39.3	48.1	30.9	39.5	66	14	32	34	88	80	.192	.201	2.04	.78	6.2	5.0	5.7
March	27.653	28.027	27.075	35.0	42.1	51.2	21.2	41.2	76	11	28	31	78	68	.162	.185	3.62	.99	5.1	4.4	4.3
April	27.732	28.071	27.296	44.5	50.5	57.5	40.0	48.8	78	24	38	39	80	67	.243	.253	3.83	.80	6.2	6.4	5.7
May	27.735	27.953	27.358	59.5	66.4	76.9	50.0	63.4	86	30	50	51	72	59	.379	.386	1.46	.69	2.5	4.6	2.5
June	27.669	27.841	27.399	65.6	71.3	81.1	58.2	69.6	92	45	58	58	78	66	.494	.495	2.15	.98	4.8	5.2	3.3
July	27.744	27.910	27.520	65.5	72.3	82.4	57.5	70.0	93	45	59	60	80	66	.510	.521	1.69	.68	4.3	5.8	3.3
August	27.714	27.869	27.586	66.3	71.6	82.4	61.2	71.8	92	50	62	63	88	75	.566	.582	6.98	1.92	4.1	5.4	3.5
September	27.758	27.956	27.546	63.1	68.6	79.3	58.7	69.0	86	50	60	62	89	80	.520	.565	2.22	.86	4.9	3.7	3.5
October	27.721	28.043	27.448	50.4	55.9	66.5	46.3	56.4	79	30	47	52	90	86	.339	.397	5.16	2.05	5.7	4.0	4.6
November	27.692	28.138	27.274	35.0	38.0	49.2	28.7	39.0	73	13	30	31	81	76	.178	.183	2.10	.94	6.0	4.3	5.3
December	27.767	28.028	27.348	33.6	38.9	48.3	30.5	39.4	63	15	29	33	82	80	.173	.200	2.49	.79	6.2	5.4	6.3
Year	27.724	28.218	27.075	49.0	54.5	64.1	43.5	53.8	93	11	44	46	83	74	.329	.348	38.20	2.05	5.2	5.0	4.5

YANKTON, S. DAK.

[ϕ=42° 54′ N.; λ=97° 28′ W.]

January	28.748	29.124	28.172	14.7	.....	31.1	8.1	19.6	57	−20	10	....	80	....	.079	.....	0.35	0.29	5.9	.....	6.5
February	28.832	29.494	28.181	16.9	.....	31.4	13.0	22.2	48	− 7	12	....	78	....	.081	.....	1.43	1.02	5.5	.....	5.5
March	28.699	29.282	28.125	31.8	.....	52.9	27.8	40.4	74	8	24	....	73	....	.136	.....	0.49	0.34	3.9	.....	4.8
April	28.692	29.163	28.331	39.3	.....	57.3	36.1	46.7	75	20	32	....	75	....	.188	.....	4.36	3.35	5.9	.....	6.4
May	28.607	29.043	28.030	55.8	.....	74.5	51.7	63.1	94	25	46	....	70	....	.324	.....	1.42	1.03	4.5	.....	5.4
June	28.586	28.826	28.380	68.6	.....	87.7	63.0	75.4	100	52	57	....	68	....	.477	.....	2.10	1.23	4.5	.....	4.4
July	28.653	28.962	28.408	67.4	.....	85.5	61.2	73.4	102	51	57	....	71	....	.475	.....	2.86	1.54	4.1	.....	4.8
August	28.672	29.036	28.402	62.0	.....	80.7	58.6	69.6	99	42	56	....	82	....	.463	.....	4.03	1.39	5.1	.....	5.9
September	28.676	28.931	28.377	57.5	.....	76.3	54.7	65.5	98	40	52	....	83	....	.406	.....	2.28	0.81	6.6	.....	6.5
October	28.727	29.167	28.226	40.9	.....	55.5	39.0	47.2	73	21	37	....	87	....	.235	.....	5.91	3.46	5.0	.....	5.9
November	28.711	29.528	28.229	22.3	.....	38.1	17.3	27.7	55	− 3	19	....	85	....	.108	.....	0.32	0.09	5.2	.....	5.2
December	28.718	29.085	28.304	20.6	.....	33.1	15.9	24.5	53	−13	18	....	87	....	.101	.....	0.86	0.47	5.7	.....	6.1
Year	28.693	29.528	28.030	41.5	.....	58.7	37.2	47.9	102	−20	35	....	78	....	.256	.....	26.41	3.46	5.2	.....	5.6

Annual meteorological summary for the year ending December 31, 1911—Continued.

WILMINGTON, N. C.

[H=78 ft.; h_t=81 ft.; h_r=76 ft.; h_a=91 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorm.	Aurora.
	Miles.		*Mi.*																									
January	8.2	SW.	29	SW.	0	6	13	3	3	6	19	6	6	0	13	7	11	7	5	0	0	0	3	0	0	8	0	0
February	7.6	NE.	28	SW.	0	11	13	2	1	2	13	8	6	0	10	11	7	4	2	0	0	0	1	0	0	4	0	0
March	10.2	SW.	32	W.	0	5	14	4	5	7	9	9	9	0	14	11	6	9	8	0	0	1	0	0	0	2	2	0
April	10.3	NE.	34	SW.	0	4	16	9	5	8	11	2	3	0	10	14	6	5	4	0	0	0	0	0	0	0	1	0
May	8.7	SW.	27	SW.	0	8	13	5	7	7	12	7	3	0	13	13	5	6	2	0	0	0	1	0	2	0	1	0
June	7.7	SW.	38	NE.	0	1	10	4	3	6	19	13	4	0	5	24	1	9	7	0	0	0	1	0	10	0	12	0
July	6.8	SW.	27	SW.	0	4	2	2	5	14	23	6	6	0	6	24	1	5	3	0	0	0	0	0	6	0	6	0
August	7.8	S.	32	NE.	0	2	9	4	11	14	10	9	2	1	8	16	7	12	10	0	0	0	0	0	7	0	10	0
September	6.0	SW.	35	NW.	0	3	15	9	5	1	18	7	2	0	7	17	6	12	10	0	0	0	1	0	4	0	7	0
October	7.3	NE.	23	NE.	0	12	25	5	0	6	4	2	8	0	7	15	9	9	6	0	0	0	1	0	2	0	0	0
November	8.4	W.	33	S.	0	8	12	3	2	3	7	14	11	0	12	8	10	10	6	0	0	0	2	0	0	3	0	0
December	7.6	NE.	30	W.	0	10	19	7	3	4	9	6	4	0	12	5	14	12	10	0	0	0	3	0	0	5	0	0
Year	8.0	NE.	38	NE.	0	74	163	57	50	78	154	89	64	1	117	165	83	100	73	0	0	2	12	0	31	22	39	0

WINNEMUCCA, NEV.

[H=4,344 ft.; h_t=18 ft.; h_r=3 ft.; h_a=56 ft.]

January	7.9	NE.	50	SW.	1	1	28	3	1	4	21	2	2	0	6	9	16	12	11	10	7	0	1	6	0	29	0	0
February	6.9	NE.	34	SW.	0	1	29	5	1	2	10	6	1	1	9	4	15	5	3	12	5	0	0	4	0	28	0	0
March	6.2	NE.	40	SW.	1	5	30	5	3	1	11	5	2	0	12	5	14	6	3	2	2	0	0	0	0	24	0	0
April	7.3	SW.	44	NW.	1	5	17	6	0	6	15	5	6	0	12	8	10	10	5	5	4	0	0	0	0	15	2	0
May	7.2	SW.	35	SW.	0	5	13	0	2	5	17	10	10	0	10	8	13	7	3	1	0	0	0	0	0	7	3	0
June	5.0	SW.	33	SW.	0	0	15	3	0	5	26	4	7	0	9	14	7	11	6	0	0	2	0	0	3	0	8	0
July	5.0	SW.	28	S.	0	4	16	1	1	4	19	10	7	0	22	7	2	3	1	0	0	0	0	0	19	0	2	0
August	5.1	SW.	25	NW.	0	2	19	1	1	1	20	8	9	1	28	2	1	1	0	0	0	0	0	0	9	0	1	0
September	5.5	SW.	30	SW.	0	3	14	1	1	2	23	6	10	0	18	7	5	0	0	0	0	0	0	0	0	8	0	0
October	5.5	NE.	38	S.	0	3	29	4	0	5	12	2	6	1	19	3	9	2	1	1	0	0	0	0	0	23	0	0
November	6.9	SW.	46	SW.	2	0	21	2	1	3	24	6	3	0	13	5	12	5	2	3	3	0	0	1	0	24	0	0
December	5.5	SW.	35	SW.	0	0	17	4	2	4	29	5	1	0	9	8	14	8	5	10	7	0	0	6	0	31	0	0
Year	6.2	NE.	50	SW.	5	29	248	35	13	42	227	69	64	3	167	80	118	70	40	44	28	2	1	17	31	189	16	0

WYTHEVILLE, VA.

[H=2,293 ft.; h_t=40 ft.; h_r=32 ft.; h_a=47 ft.]

January	6.8	W.	31	W.	0	2	3	11	0	3	1	30	6	6	7	7	17	11	10	5	1	0	1	4	0	21	0	0
February	7.1	W.	26	W.	0	0	1	11	2	0	2	31	8	1	9	6	13	8	6	5	3	0	2	2	0	16	0	0
March	8.3	W.	37	W.	0	1	1	13	3	5	3	27	8	1	17	5	9	14	14	6	2	0	0	1	0	17	3	0
April	6.2	NW.	27	NW.	0	4	3	13	7	3	4	18	10	0	10	8	12	16	12	0	0	0	0	0	0	6	3	0
May	4.0	NW.	19	S.	0	4	3	11	6	2	14	15	5	2	22	8	1	5	4	0	0	1	0	0	0	1	3	0
June	4.4	W.	22	NW.	0	5	2	4	3	1	5	25	11	4	18	9	3	12	6	0	0	0	0	2	0	7	7	0
July	3.7	W.	23	W.	0	2	1	5	2	6	6	21	14	5	17	14	0	11	9	0	0	0	1	0	2	0	6	0
August	3.2	W.	19	W.	0	4	5	7	9	6	11	15	2	3	15	14	2	17	14	0	0	0	3	0	2	0	11	0
September	3.4	W.	22	W.	0	1	6	9	4	0	7	17	10	6	15	15	0	8	7	0	0	0	5	0	0	0	3	0
October	3.5	E.	23	W.	0	4	4	12	5	1	5	16	9	6	14	9	8	12	9	0	0	0	1	0	0	2	0	0
November	7.2	W.	32	W.	0	0	7	9	2	2	4	25	10	1	11	8	11	12	10	3	1	0	2	2	0	19	0	0
December	5.1	W.	28	W.	0	3	8	8	4	3	6	20	9	1	10	2	19	13	10	3	0	0	1	3	0	20	0	0
Year	5.2	W.	37	W.	0	30	44	113	47	32	68	258	102	36	165	105	95	139	111	22	7	1	16	12	6	102	36	0

YANKTON, S. DAK.

[H=1,233 ft.; h_t=49 ft.; h_r=42 ft.; h_a=57 ft.]

January	9.7	S.	42	SW.	1	5	0	4	4	6	3	4	5	0	4	14	13	4	2	7	3	0	0	12	0	30	0	0
February	9.2	NW.	39	NW.	0	2	1	4	1	2	0	5	13	0	6	17	5	2	2	2	2	0	0	13	0	28	0	0
March	10.9	W.	43	NW.	1	3	1	1	6	1	6	7	6	0	10	16	5	3	3	5	3	0	0	1	0	23	1	0
April	10.5	SE.	35	W.	0	0	5	5	7	1	1	7	4	0	5	15	10	9	9	7	5	1	0	1	0	12	3	0
May	10.2	E.	36	S.	0	0	1	7	4	6	1	6	6	0	5	24	2	6	3	0	0	0	0	0	4	2	6	0
June	8.9	SE.	35	S.	0	2	5	4	8	2	1	1	7	0	10	20	0	9	7	0	0	0	0	0	13	0	13	0
July	7.8	S.	35	SW.	0	5	1	5	2	7	3	3	5	0	8	21	2	10	9	0	0	0	2	0	0	9	0	12
August	6.6	E.	33	E.	0	2	6	7	3	4	1	3	5	0	4	20	7	9	8	0	0	0	2	0	0	5	0	0
September	7.1	NE.	30	SW.	0	2	6	5	6	4	1	3	3	0	2	20	8	8	6	0	0	0	0	0	2	0	5	0
October	7.2	W.	30	NW.	0	2	6	3	4	1	3	8	4	0	8	12	11	10	8	2	2	0	0	2	0	10	1	0
November	10.6	NW.	36	NW.	0	1	2	1	5	3	4	4	10	0	12	6	12	6	4	10	5	0	0	11	0	28	0	0
December	7.7	NW.	28	NW.	0	5	2	5	2	4	2	5	6	0	8	10	13	5	5	13	5	0	0	14	0	31	0	0
Year	8.9	NW.	43	NW.	2	29	36	51	52	41	26	56	74	0	82	195	88	81	66	46	25	5	2	52	33	164	50	0

Annual meteorological summary for the year ending December 31, 1911—Continued.

YELLOWSTONE PARK, WYO.

[ϕ=44° 58′ N.; λ=110° 42′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	23.748	24.165	23.137	19.2	22.0	28.9	12.6	20.8	42	−26	16	17	84	81	0.097	0.102	4.56	0.86	6.4	8.1	7.7
February	23.806	24.233	23.411	8.4	18.6	25.2	4.1	14.6	36	−13	5	12	86	72	.057	.075	1.10	.32	5.2	5.4	4.8
March	23.866	24.222	23.479	24.7	37.6	42.3	21.5	31.9	55	6	19	21	77	52	.102	.111	.95	.36	3.8	5.0	3.8
April	23.777	24.251	23.460	26.8	40.3	44.6	23.9	34.2	60	5	20	22	75	52	.110	.121	1.40	.75	5.5	6.1	5.1
May	23.795	24.070	23.450	35.7	50.9	55.5	33.0	44.2	77	24	28	28	74	45	.156	.155	2.19	.48	6.5	6.7	5.5
June	23.914	24.226	23.672	46.0	60.8	67.3	42.8	55.0	81	32	39	41	77	52	.241	.233	2.20	.94	5.8	6.3	5.0
July	24.002	24.252	23.677	45.2	68.5	72.6	42.7	57.6	81	34	39	39	80	36	.242	.243	.97	.38	3.2	4.3	3.6
August	23.953	24.131	23.744	43.0	66.9	71.6	41.3	56.4	84	33	35	35	76	35	.209	.209	.66	.51	4.0	4.2	3.3
September	23.911	24.078	23.727	39.2	56.1	61.8	36.1	49.0	78	25	30	32	71	43	.171	.182	1.11	.75	5.4	6.3	5.6
October	23.931	24.164	23.545	26.8	38.8	47.3	23.8	35.6	69	5	21	24	78	58	.117	.132	1.17	.56	3.9	4.7	4.4
November	23.860	24.292	23.226	18.1	23.0	30.5	11.9	21.2	43	−15	12	17	75	76	.080	.099	2.33	.83	6.1	6.6	6.7
December	23.802	24.214	23.407	12.7	16.8	24.2	7.4	15.8	39	−16	7	11	76	77	.058	.071	1.01	.30	4.8	6.1	6.1
Year	23.864	24.292	23.137	28.8	41.7	47.6	25.1	36.4	84	−26	23	25	77	57	.137	.147	19.65	.94	5.0	5.8	5.1

YUMA, ARIZ.

[ϕ=32° 45′ N.; λ=114° 36′ W.]

January	29.937	30.322	29.653	47.1	64.7	68.9	44.9	56.9	80	27	36	38	65	41	0.222	0.251	0.42	0.37	2.4	3.0	3.2
February	29.850	30.226	29.609	45.6	63.5	66.6	42.6	54.6	74	35	33	32	64	32	.198	.187	.64	.64	1.3	1.9	2.3
March	29.833	30.038	29.580	52.1	78.8	81.6	50.2	65.9	96	42	40	40	66	27	.256	.255	.12	.05	1.0	2.6	2.1
April	29.704	29.909	29.449	53.8	83.0	85.4	51.8	68.6	95	45	39	38	60	22	.246	.233	.11	.11	0.1	0.8	0.5
May	29.641	29.786	29.435	57.3	90.7	92.6	55.8	74.2	102	48	38	39	51	17	.237	.245	.00	.00	0.2	0.3	0.3
June	29.609	29.725	29.357	66.9	99.9	102.7	65.8	84.2	111	57	51	49	59	19	.388	.362	.00	.00	0.5	0.7	0.4
July	29.647	29.758	29.456	77.3	101.0	104.7	75.6	90.2	115	69	66	66	69	34	.639	.637	.42	.37	1.6	1.7	1.8
August	29.609	29.706	29.466	75.3	105.4	107.5	74.2	90.8	114	67	64	61	69	25	.611	.548	.01	.01	0.4	0.4	0.4
September	29.643	29.800	29.470	71.0	95.6	100.9	69.1	85.0	109	56	58	60	64	34	.496	.537	.23	.20	1.3	1.8	1.2
October	29.710	29.866	29.443	58.7	82.1	89.5	56.0	72.8	101	49	40	43	56	29	.272	.301	.84	.66	0.6	0.9	0.9
November	29.885	30.301	29.577	50.3	67.7	74.7	46.5	60.6	84	35	31	31	53	26	.198	.191	.00	.00	0.3	1.0	1.0
December	29.883	30.139	29.586	37.5	58.0	64.2	34.6	49.4	76	22	22	22	57	26	.119	.121	T.	T.	0.1	0.5	1.1
Year	29.746	30.322	29.357	57.7	82.5	86.6	55.6	71.1	115	22	43	43	61	28	.324	.322	2.79	.66	0.8	1.3	1.3

Annual meteorological summary for the year ending December 31, 1911—Continued.

YELLOWSTONE PARK, WYO.

[H=6,200 ft.; h_1=11 ft.; h_2=4 ft.; h_3=48 ft.]

Month.	Wind.															Number of days.															
	By self-register.					Number of winds, 8 a. m. and 8 p. m.													Precipitation.		Snow.				Maximum temp.				Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 46 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more, melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																												
January	11.2	S.	37	S.	0	3	1	1	13	22	19	1	2	0	3	6	22	23	17	26	22	0	0	17	0	30	0	0
February	7.7	S.	37	SW.	0	4	4	0	4	20	16	5	3	0	11	5	12	7	6	10	7	0	0	22	0	28	0	0
March	8.9	SW.	40	SW.	1	0	0	0	4	14	33	4	7	0	13	11	7	8	5	9	8	0	0	3	0	30	0	0
April	8.0	SW.	35	SW.	0	5	3	2	1	13	15	11	10	0	7	16	7	11	8	12	8	0	0	1	0	26	0	0
May	8.6	SW.	44	SW.	3	3	2	0	3	23	16	6	9	0	5	17	9	12	10	9	4	1	0	0	0	14	4	0
June	8.0	SW.	45	SW.	1	3	0	1	5	24	20	6	1	0	7	18	5	16	11	0	0	0	0	0	0	1	12	0
July	7.6	SW.	36	SW.	0	5	2	0	0	15	23	3	14	0	15	13	3	10	7	1	0	2	0	0	0	0	11	0
August	7.5	SW.	31	S.	0	4	0	1	0	10	18	11	18	0	15	15	1	6	3	0	0	1	0	0	0	0	5	0
September	7.5	SW.	40	SW.	1	4	1	3	3	11	27	7	4	0	7	14	9	7	4	1	1	0	1	0	0	7	4	0
October	6.3	SW.	29	NW.	0	3	0	0	4	13	23	8	11	0	11	10	10	9	7	10	7	0	0	1	0	25	1	0
November	8.6	S.	34	S.	0	3	3	1	2	22	17	3	9	0	5	12	13	14	9	18	14	0	0	15	0	29	0	0
December	6.2	S.	34	SW.	0	2	2	0	4	21	19	10	3	1	6	10	15	12	6	16	12	0	0	24	0	31	0	0
Year	8.0	SW.	45	SW.	6	39	18	9	43	208	240	75	91	1	105	147	113	135	93	112	83	4	1	83	0	221	37	0

YUMA, ARIZ.

[H=141 ft.; h_1=9 ft.; h_2=2 ft.; h_3=58 ft.]

January	5.2	N.	28	N.	0	19	11	0	7	9	2	5	9	0	17	8	6	2	2	0	0	0	0	0	0	3	0	0
February	6.5	NW.	27	N.	0	14	8	2	2	4	5	10	11	0	20	4	4	1	1	0	0	0	0	0	0	0	0	0
March	5.2	NW.	29	N.	0	11	0	4	2	14	10	8	13	0	24	4	3	4	1	0	0	0	0	0	0	5	0	0
April	7.3	W.	44	N.	1	7	1	1	4	8	16	18	5	0	29	1	0	1	1	0	0	0	0	0	0	8	0	0
May	6.3	SW.	30	N.	0	6	0	1	3	12	22	12	6	0	31	0	0	0	0	0	0	0	0	0	26	0	0	0
June	6.5	S.	33	S.	0	0	8	2	5	18	15	9	3	0	29	1	0	0	0	0	0	0	0	0	30	0	0	0
July	6.0	SW.	36	N.	0	1	6	2	10	10	23	7	3	0	25	4	2	3	2	0	0	0	0	0	30	0	2	0
August	5.7	S.	38	S.	0	1	2	1	9	15	14	19	1	0	30	1	0	1	0	0	0	0	0	0	31	0	0	0
September	4.9	W.	28	SE.	0	2	6	9	3	9	11	18	2	0	26	3	1	2	1	0	0	0	0	0	28	0	1	0
October	5.8	N.	34	S.	0	21	14	4	1	2	2	9	9	0	26	5	0	3	3	0	0	0	0	0	14	0	1	0
November	7.8	N.	28	N.	0	34	7	2	0	4	2	5	6	0	25	4	1	0	0	0	0	0	0	0	0	0	0	0
December	6.4	N.	39	NW.	0	26	9	6	0	4	1	6	10	0	27	2	2	0	0	0	0	0	0	0	0	11	0	0
Year	6.1	N.	44	N.	1	142	72	34	46	109	123	126	78	0	309	37	19	17	11	0	0	0	0	0	172	14	4	0

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PART IV.

MONTHLY AND ANNUAL PRECIPITATION, 1911 (ALL STATIONS)—MONTHLY AND SEASONAL SNOWFALL, SEASON 1911-12 (SELECTED STATIONS).

The precipitation values given in the following tables have been taken largely from the records of unpaid cooperating observers. Most of the cooperating observers have standard rain gages, the remainder having guges similar in pattern to the standard, or, in a few cases, improvised gages of their own construction.

The bracketed values have been obtained by a comparison of the data for adjacent stations, and are to be considered only as an approximation to the true amount.

The discrepancies between the amounts recorded by separate observers when two report from the same place are often considerable; in general, they are due to differences in exposure, although at times one observer may make the last measurement of the month at 6 o'clock a. m., whereas another observer may defer it to 9 p. m., thus causing a difference in the amounts recorded on the first and last days of the month.

The small roman letters in the body of the table indicate the number of days missing from the records for the months in which they appear; thus "c" indicates three days missing, "d" four days, etc.

The monthly and seasonal amounts of snowfall for the winter of 1911–12 are given for selected stations in the United States and Canada.

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Monthly and annual precipitation in inches and hundredths for 1911.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alabama.													
Alaga	1.84	0.79	4.37	3.19	2.15	4.67	5.51	7.77	1.39	5.88	3.70	12.00	53.26
Anniston	3.32	4.39	2.37	5.28	3.29	2.18	6.10	3.24	1.36	2.16	5.04	5.39	44.12
Ashville	3.65	3.67	2.55	7.16	2.45	3.77	4.52	7.56	1.73	4.00	5.43	4.61	51.10
Auburn	3.72	3.34	3.01	4.82	3.15	3.39	2.20	4.34	4.16	3.06	3.74	6.57	45.50
Benton	3.40	2.77	0.98	8.53	3.40	2.19	5.23	4.47	0.65	4.32	4.69	5.77	46.40
Bermuda	2.91	2.27	3.89	13.06	4.34	3.06	6.03	6.85	3.61	1.45	3.16	8.19	58.82
Birmingham	5.26	3.71	1.18	4.44	3.39	5.03	7.14	2.10	2.05	6.07	6.43	6.12	52.92
Bridgeport	4.50	5.16	2.93	10.54	2.99	5.57	6.44	4.30	3.34	4.29	4.39	9.04	63.49
Calera	4.49	4.00	1.36	6.99	2.10	2.64	5.53	3.58	0.50	2.38	5.84	6.92	46.33
Camp Hill	4.67	1.81	4.59	6.02	1.96	4.72	3.42	5.48	1.86	2.38	4.18	3.25	44.34
Cedar Bluff	4.40	2.97	2.76	6.67	4.38	2.30	5.89	4.15	3.21	3.22	5.50	5.95	51.40
Citronelle	4.46	1.72	4.35	10.58	4.96	3.11	8.07	7.35	5.97	1.76	3.92	10.00	66.25
Clanton	5.05	3.10	2.67	6.56	2.36	5.09	2.66	2.28	3.39	2.59	4.68	6.80	47.23
Cochrane	3.88	2.17	1.10	5.43	1.19	2.28	9.70	5.40	1.20	2.81	5.08	11.03	51.27
Cordova	5.40	4.31	2.00	6.89	2.61	3.21	9.49	6.16	T.	3.58	3.92	10.90	58.47
Cullman	5.33	4.87	2.26	9.12	2.80	4.17	5.29	5.44	3.09	3.82	3.51	9.94	59.64
Dadeville	4.00	3.42	3.32	6.31	3.51	2.39	4.56	6.05	2.67	2.86	4.12	6.56	49.77
Daphne	3.20	2.06	3.79	5.81	3.36	5.20	10.49	7.76	2.25	2.13	5.70	9.45	61.20
Decatur	5.33	5.05	2.34	13.57	2.69	3.19	5.15	4.91	2.84	4.66	3.62	11.52	64.87
Demopolis	4.90	1.69	1.00	6.15	1.78	2.80	5.10	3.99	2.03	1.03	5.05	6.64	42.16
Eufaula	3.92	2.00	2.72	4.78	1.98	2.90	8.69	2.58	2.56	2.26	4.00	7.54	45.93
Evergreen	3.78	0.64	3.65	12.37	4.15	2.52	3.74	7.39	1.70	0.35	.....	.....	.....
Flomaton	2.18	2.03	2.76	7.55	1.96	.....	.....	6.16	1.22	1.93	4.01	5.85	.....
Florence	4.26	5.34	2.81	11.33	4.31	3.15	7.33	6.02	1.76	4.01	4.06	11.96	66.34
Fort Deposit	3.30	3.15	1.65	8.62	3.53	5.85	3.68	2.75	3.50	2.15	4.15	5.93	48.26
Gadsden	4.74	3.29	2.27	8.50	1.66	2.46	3.11	4.10	4.02	2.52	5.34	5.71	47.72
Goodwater	.....	.....	1.90	4.11	2.22	3.63	5.68	4.30	1.08	2.27	5.05	7.13	.....
Greensboro	5.33	3.79	0.77	5.35	1.87	5.08	4.88	4.42	3.10	2.04	4.91	7.68	49.22
Greenville	3.28	1.79	1.47	9.78	2.88	6.66	4.25	4.65	2.32	2.99	2.47	5.95	48.49
Guntersville	5.16	5.01	2.27	10.62	3.27	5.44	8.53	3.90	1.12	4.93	4.26	7.65	62.16
Hamilton	5.55	5.63	2.69	8.32	2.75	2.73	4.77	4.94	0.22	3.14	4.35	13.09	58.18
Highland Home	3.52	2.16	1.67	8.52	4.09	5.21	6.29	3.89	5.98	2.22	3.70	6.32	53.57
Livingston	5.62	2.19	0.76	6.58	1.32	4.46	5.00	2.63	1.26	1.95	4.13	9.48	45.38
Lock No. 4	4.94	4.30	1.69	5.74	2.33	5.57	7.44	6.04	2.98	2.27	5.64	4.88	53.82
Madison	5.62	5.19	2.05	14.00	1.10	5.65	7.68	6.48	1.53	5.55	3.01	11.15	69.01
Maple Grove	4.30	3.81	3.57	8.56	2.74	3.87	6.38	4.68	1.80	3.90	4.66	6.97	55.24
Mentone	0.79	3.63	3.01	9.70	2.51	4.48	5.81	4.40	1.96	6.58	2.97	6.22	52.06
Milstead	3.53	3.12	2.05	5.75	3.36	1.50	6.53	3.38	1.78	3.60	4.33	7.44	46.37
Mobile	1.82	2.09	4.07	13.40	5.08	2.36	7.53	8.81	4.09	2.89	5.74	10.02	67.90
Montgomery	4.37	3.07	1.91	7.34	4.59	3.24	4.19	4.09	1.36	2.91	4.20	6.22	47.49
Newbern	5.42	3.03	1.40	.65	0.91	7.05	5.17	4.65	1.66	2.06	5.39	6.71	51.10
Oneonta	5.32	4.78	1.90	.63	1.68	4.07	8.30	4.01	1.05	4.57	4.79	7.44	55.54
Opelika	2.71	2.92	3.24	4.91	2.57	2.05	2.22	5.99	2.97	1.96	3.93	5.34	40.81
Ozark	2.75	1.80	3.50	5.05	4.26	5.18	6.46	4.42	1.67	2.95	3.80	9.30	51.14
Prattville	4.18	3.94	1.96	7.65	5.75	7.52	3.52	4.31	2.07	3.44	3.24	5.89	53.47
Pushmataha	6.99	2.13	1.34	5.79	1.97	6.28	4.88	7.64	5.41	1.81	6.20	9.70	60.14
Riverton	3.56	4.85	2.85	10.92	1.44	3.97	5.74	3.72	1.92	3.00	4.45	12.09	58.51
Scottsboro	6.82	5.18	2.34	12.35	1.29	2.53	6.42	3.72	1.32	3.02	3.62	7.57	56.18
Selma	4.80	2.10	1.64	5.75	2.00	1.24	5.81	3.47	3.10	2.60	4.31	6.57	43.39
Spring Hill	2.12	1.97	5.00	11.89	4.57	4.67	6.10	10.60	4.09	2.89	6.15	10.96	71.01
Talladega	.....	.....	.....	6.56	2.78	4.25	7.08	4.72	2.41	1.73	5.32	6.16	.....
Tallassee	3.73	3.64	3.26	5.50	4.23	1.95	5.10	3.91	1.44	3.02	5.24	5.70	46.72
Thomasville	4.40	2.94	2.56	5.74	3.53	2.09	5.80	6.67	1.57	2.97	5.60	6.12	49.99
Troy	4.31	2.40	1.81	6.68	1.31	4.52	2.97	3.57	1.29	3.06	2.59	5.94	40 45
Tuscaloosa	5.40	3.92	1.29	4.54	1.38	5.82	8.06	2.06	1.59	5.01	5.98	8.97	54.02
Tuscumbia	3.74	5.23	1.86	11.58	2.58	1.93	5.10	8.13	1.01	4.19	3.00	12.07	60.42
Tuskegee	3.73	2.91	2.42	5.53	4.09	1.80	2.76	5.62	2.86	2.50	3.36	6.21	43.79
Union Springs	3.29	2.45	1.68	7.00	1.58	5.48	3.78	3.71	5.69	4.39	3.95	6.14	49.14
Uniontown	9.46	1.91	1.22	6.41	0.90	3.18	4.44	2.93	0.86	0.72	5.27	6.08	43.38
Valley Head	4.20	4.44	2.81	9.05	2.84	3.36	6.02	3.38	2.75	6.52	4.77	4.87	55.01
Wetumpka	2.68	5.19	1.83	6.80	5.78	4.81	3.97	6.15	1.87	3.07	4.07	5.20	51.42
Arizona.													
Allaires Ranch	0.96	1.56	0.66	0.00	T.	0.77	.....	1.52	3.08	1.17	0.01	1.35	.....
Aztec	0.70	0.05	0.18	0.24	0.00	0.00	0.95	0.00	0.48	0.50	0.00	0.00	3.10
Benson	0.77	1.69	0.21	0.17	0.00	0.37	3.80	1.97	1.70	1.90	0.10	0.55	13.23
Bisbee	1.42	3.70	0.60	0.90	0.02	2.18	2.38	3.56	3.32	3.37	0.10	1.57	23.12
Bowie	.....	.....	.....	.....	.....	1.04	1.27	2.39	1.39	2.44	0.00	0.75	.....
Buckeye	.....	0.86	0.42	0.00	0.00	T.	3.73	1.15	0.77	1.08	.....	T.	.....
Canille	1.05	1.90	0.41	0.35	0.02	1.72	4.71	3.51	3.80	1.67	0.15	0.99	20.28
Casa Grande	.....	.....	.....	.....	.....	.....	1.80	.....	1.65	1.15	0.00	T.	.....
Casa Grande Ruins	2.22	1.04	0.39	0.01	0.00	T.	3.23	0.13	0.64	1.41	0.00	0.56	9.83
Cavecreek	2.97	1.91	1.19	0.40	.....	.....	6.24	1.33	1.58	1.90	0.00	0.21	.....
Chin Lee	0.48	1.44	1.44	0.19	0.01	0.97	3.59	1.40	2.80	1.23	0.05	0.08	13.68
Chiarsons Mill	.....	.....	.....	.....	.....	2.05	5.78	.....	3.62	4.13	0.00	3.96	.....
Clifton	1.60	1.52	0.95	0.66	0.12	1.03	4.19	0.29	1.08	3.47	0.00	0.23	15.14
Cline	.....	.....	1.70	0.00	0.00	0.13	5.07	1.75	2.55	3.70	0.00	0.83	.....
Cochise	0.35	0.40	.....	.....	0.00	0.10	2.21	1.12	2.70	1.86	0.00	1.33	.....
Columbia	4.26	2.02	1.10	0.31	0.00	0.15	3.76	1.95	1.72	2.50	0.00	0.35	18.12
Courtland	1.59	4.47	0.18	0.00	0.00	1.16	3.38	2.63	2.22	2.21	0.04	1.51	19.39
Dos Cabezos	2.97	3.76	0.35	0.75	0.10	5.27	4.53	4.04	5.50	1.30	0.00	1.77	30.34
Douglas	0.98	1.63	0.25	0.62	0.00	1.05	2.90	2.29	1.25	2.87	0.56	1.23	15.63
Dudleyville	1.43	1.43	.....	.....	.....	0.54	.....	2.06	2.41	3.17	0.02	1.01	.....
Fairbank	1.35	1.71	0.35	0.06	0.12	2.00	2.50	3.12	2.30	0.54	0.05	0.86	14.96
Flagstaff (Weather Bureau)	4.04	2.75	2.71	0.22	0.08	0.32	5.53	2.45	4.41	2.68	0.20	0.61	26.00
Flagstaff (C. C. Moers)	.....	.....	.....	0.34	0.09	0.28	7.13	3.33	.....	.....	.....	.....	.....
Flagstaff (Forest Service)	.....	.....	1.66	0.22	T.	0.27	5.44	2.32	3.05	2.66	0.18	0.97	.....

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arizona—Continued.													
Florence			0.90		0.00	0.00		0.56	0.63	0.52	0.00	0.35	
Fort Apache	2.74	2.34	1.81	1.02	0.00	0.44	4.88	1.42	3.86	4.41	0.03	0.63	23.58
Fort Huachuca	0.68	0.73	0.71	0.20	T.	1.41	2.15	0.97	1.58	3.30	0.00	0.44	12.17
Gilabend				0.00	0.00	0.00	2.27	0.00	T.	0.05	0.00	0.00	
Globe	3.10	1.63	1.19	0.51	0.00	1.28	4.78	1.33	3.60	3.27	0.05	0.62	21.36
Grand Canyon (Agent Railroad)						0.35		2.13	3.25	1.65	T.	1.00	
Grand Canyon (C. C. Spaulding)	2.84	2.17	1.59					1.63					
Granite Reef Dam	2.37	0.98	0.62	0.11	0.00	T.	4.80	0.66	1.57	2.94	0.00	0.21	14.26
Hereford	0.80	1.50	0.27	0.35	0.25	0.23	2.31		1.22	2.33	0.08	0.77	
Holbrook	0.72	1.10	0.18	0.55	0.00	0.32	4.04	0.74	2.70	1.07			
Indian Oasis	1.05	0.42	0.56	0.10	0.00		0.85				0.00	0.58	
Intake				0.55	0.00	0.20	8.35	1.45	1.75	2.35			
Jerome	3.48	2.47	3.11	0.15	0.06	1.01	6.50	5.32	1.99	2.52	0.00	0.10	26.71
Keams Canyon	1.29	1.92	1.57	0.32	0.00	0.00		0.89	1.55	2.18	0.05	0.48	
Kingman	1.66				0.31	0.06	2.18	0.48	1.23	1.35	0.00	0.51	
Lakeside						0.51		2.79	2.55	3.88	T.	0.92	
Lewis Springs	0.97	1.43	0.19	0.37	0.10	1.58	3.16	2.18	2.88	1.64	0.00	0.66	15.16
Maricopa						0.01	4.59			1.69	0.00	0.45	
McNeal		2.03	0.31	0.71	0.00	1.08	3.10	2.21	4.24	2.21	0.07	1.57	
Mesa	1.52	0.71	0.36	0.05	0.00	1.03	5.97	1.13	1.20	1.50	0.00	0.35	13.82
Mohawk Summit	0.50	0.34	T.	0.00	0.00	0.00	0.99	0.00	0.15	0.14	0.00	0.00	2.12
Naco	0.93	2.19	0.00							2.46	0.20	1.24	
Natural Bridge	5.36	3.58	2.81	0.67	0.00	0.00	6.83	4.93	2.13	4.36	0.00	0.95	31.62
Oracle	3.59	3.13	1.25	0.08	0.00	0.84							
Osborn	1.25	1.54	0.10	0.47	0.02	2.27	2.88	1.67	4.59	0.57	0.20	1.17	16.73
Paradise	1.65	1.51	0.62	0.06	T.	0.35	5.56	4.19	4.78	2.72	0.00	1.15	22.59
Parker	1.52	0.87	T.	0.00	0.00	T.	0.22	0.00	0.82	0.05	0.00	T.	3.48
Payson		3.02	1.70	0.53	0.00	0.12	4.83	3.03	1.74	3.55	0.00	0.87	
Phoenix (Weather Bureau)	1.14	0.66	0.64	0.02	0.00	T.	6.47	1.68	1.16	2.24	T.	0.11	14.12
Phoenix (Geo. Acuff)	1.33	0.78	0.60	T.	0.00	T.	6.13	1.97	2.18	1.58	T.	0.29	14.86
Phoenix (Nurseries)	1.37	0.90		0.10	0.00	T.	5.26	0.96		1.73	0.00	0.31	
Pinal Ranch		4.10	2.38	0.57	0.00	0.36	5.34	3.26	4.10	3.99	0.11	1.07	
Pinto	0.92	1.56		0.40			2.82	1.62	1.63	1.25	0.00		
Prescott	5.67	1.81	2.33	0.07	T.	0.30	4.76	2.78	2.02	2.62	0.00	0.23	22.59
Quartzsite	0.27	0.91	0.07	0.00	0.00	0.00	2.09	0.00	0.63	1.20	0.00	0.20	5.37
Redrock	1.25	0.75	0.57	0.05	0.00	1.69	0.73	1.12	2.00	1.87		0.85	
Roosevelt	4.58									4.10	0.00	0.35	
Sacaton		0.69	0.47	T.	0.00	T.		0.82	1.38	1.40	0.00	0.25	
St. Johns		2.15			T.	0.57		1.11	4.71	1.94		0.65	
St. Michaels	1.87	2.36	1.91	0.74	T.	0.70	4.17	1.35	1.88	2.65	T.	0.65	18.28
Salome	1.13	0.79	0.58	0.08	0.00	T.	1.39		0.65	1.41	0.00	0.44	
San Carlos	2.42	1.38	1.47	0.35	0.00	0.49	2.99			2.32			
Seligman						0.16				1.02	0.00	0.00	
Sentinel	1.04					0.04	3.54				0.00	0.00	
Silverbell	1.09	1.05	0.71	0.00	0.00	0.76	3.64	1.53	3.67	1.65	0.00	0.85	14.95
Snowflake	0.38	1.12	0.93	0.41	0.00	0.08	5.89	1.80	1.39	2.01	0.00	1.10	15.11
Springerville				0.75		1.24	3.96	2.40	2.53	2.08	0.00	0.31	
Supai					0.00	0.88	0.77	0.98	2.76	0.14	0.00		
Tempe	1.52	0.70	0.59	0.07	0.00	0.01	6.33	1.12	1.74	2.16	0.00	0.21	14.45
Thatcher	1.13	1.97			0.00	0.95	3.40		2.25	2.30	T.	1.36	
Tombstone	0.97	2.61	0.66	0.63	0.10	1.53	2.13	2.79	4.18	2.40	0.00	1.20	19.20
Truxton			0.64	T.	T.	0.13	0.77	0.66	2.00		0.00	0.30	
Tuba	0.87	1.14	0.92	0.05	0.00	0.39	1.90	0.37	1.98	1.46	0.00	0.05	9.13
Tucson (University)	1.31	0.99	0.25	0.27	0.00	0.07	1.57	2.06	2.65	1.23	T.	0.85	11.25
Tucson (J. M. Robe)			0.29	0.02	0.00	0.21	2.16	2.64	2.90	1.23	0.00	0.99	
Vail				0.21						0.80	0.00	1.10	
Walnut Grove			2.17	0.27	0.00	0.02	4.61		1.85	2.33	3.64	0.59	
Wickenburg	2.30	0.84	0.10	0.03	0.00	T.	3.40	1.15	1.45	1.43	0.00	0.10	10.80
Willcox	1.35			0.38	0.05			0.81	1.95	1.60	0.00	1.60	
Williams											0.00	0.80	
Winslow								1.28	2.41			0.20	
Yuma (Weather Bureau)	0.42	0.64	0.12	0.11	0.00	0.00	0.42	0.01	0.23	0.84	0.00	T.	2.79
Yuma (E. L. Crane)	0.43	0.63	0.34	0.10	0.00	0.00	0.44	0.00	0.12	0.67	0.00	0.00	2.73
Arkansas.													
Alicia		2.85	1.15	9.40	1.70	4.75	4.25	9.30	1.70	0.65	3.75		
Amity	0.61	3.84	2.83	13.84	1.62	4.15	3.70	5.00	0.60	1.00		7.70	
Arkadelphia (near)	0.59	6.85	2.93	11.09	2.08	1.56	4.78	7.76	1.07	1.05	3.21	6.74	49.71
Arkansas City	1.82	6.94	3.38	13.72	1.00	3.54	3.70	14.98	0.02	1.74	3.74	15.42	70.00
Batesville	1.24	2.79	1.74	10.10	0.84	3.89	4.78	15.20	4.28	1.38	4.34	5.71	56.29
Bee Branch	1.45	2.70	2.20	10.50	0.65	5.30	5.45	9.50	4.55	2.10	3.80	6.10	54.30
Benton			1.95	14.53	0.50	4.08		5.48	9.10	0.48		6.40	
Bentonville	0.62	3.06	1.77	7.44	0.87	1.71	7.44	3.29	5.90	1.98	2.30	3.34	39.72
Bergman	1.48	4.29	1.34	8.45	0.70	1.84	4.34	7.00	5.83	2.23	1.95	2.48	41.93
Black Rock	1.32	2.96	1.70	6.89	0.92	1.34	4.24	9.57	2.85	1.66	3.33	4.80	43.58
Brinkley	1.20	4.95	2.40	12.55	1.27	1.90	6.38	11.13	1.03	1.63	4.49	9.52	58.45
Calico Rock	0.92	2.78	0.75	6.90	0.75	1.25	4.23	12.31	6.95	1.55	2.35	3.98	44.72
Camden	1.00	6.46	1.80	10.81	1.47	3.02	2.42	5.61	0.80	1.92	2.57	9.60	47.68
Centerpoint	0.83	5.00	3.14	7.94	1.07	2.14	5.89	3.53	2.72	2.17	3.37	6.76	44.56
Clarendon	1.60	4.94	3.04	13.15	0.69	2.37	7.01	10.83	1.80	1.47	3.73	10.18	60.81
Conway	0.84	3.87	1.93	11.63	1.07	1.85	4.51	9.58	5.30	1.80	3.40	6.33	52.11
Corning	0.87	2.71	1.90	8.70	1.07	3.46	6.11	4.43	4.61			4.09	
Dardanelle	0.72	4.56	2.46	7.64	1.54	1.38	2.92	7.38	5.67	2.47	3.27	5.21	45.22
Dodd City	0.74	4.75	1.32	7.69	0.40	2.21	7.08	19.54	7.36	4.18	2.10	2.90	60.27
Dutton										2.17	3.13	5.28	
El Dorado	1.00	3.86	1.64	11.18	1.45	2.64	5.06	10.04	0.00	1.06	3.33	12.92	54.18
England	1.12	6.66	4.53	11.46	1.51	2.20	3.53	7.83	6.40	1.06	3.67	8.82	58.79
Eureka Springs	0.40	4.18	1.94	6.68	1.15	2.39	5.94	7.08	9.11	2.94	2.37	3.85	48.03
Fayetteville	0.67	3.61	1.69	5.11	0.65	0.77	5.06	3.97	9.61	2.88	2.51	2.38	38.91
Fordyce			1.26	9.86	1.74	1.56	4.14	11.41	1.04	1.30	3.46	10.86	
Fort Smith	0.40	4.57	1.97	4.20	1.56	0.45	5.38	6.25	4.42	1.23	2.03	3.21	35.67
Fulton	0.60	7.10	2.44	10.31	1.30	1.53	3.73	3.50	0.53	1.92	2.28	7.68	42.92
Hardy	0.90	3.01	1.46	8.06	0.43	4.74	3.28	15.50	4.04	1.72	2.67	4.71	50.54
Helena	1.48	4.12	3.56	11.85	0.42	3.74	3.78	8.67	0.56	1.12	3.14	12.53	54.97
Hot Springs	0.51	4.77	1.65	14.68	1.10	3.80	6.20	5.20	4.36	0.72	1.99		
Huttig	1.87	5.24	2.54	7.68	0.80	2.65	3.93	8.65	0.03	1.58	3.12	12.50	50.59

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arkansas—Continued.													
Jonesboro	1.45	2.80	1.00	8.95	0.45	2.98	5.88	8.00	2.55	1.34	4.71	4.84	44.95
Junction	0.72	2.50	1.32	10.10	1.37	2.10	8.59	5.46	0.53	0.59	1.41	9.32	44.01
Lake Farm	2.40	4.67	2.61	11.24	1.12	2.53	4.97	8.39	0.70	1.05	2.87	10.61	53.16
Lewisville	0.90	6.44	2.23	13.79	1.31	1.08	4.44	4.70	0.64	1.80	2.69	7.31	47.33
Little Rock	0.98	4.26	2.10	10.72	0.82	3.11	3.24	8.88	6.43	0.41	4.00	6.17	51.12
Lutherville	0.80	3.77	1.95	8.15	1.50	2.64	3.48	5.92	7.02	1.81	3.87	3.88	44.79
Malvern	0.92	5.12	2.87	11.07	0.92	2.84	5.06	4.67	3.13	1.05	4.84	6.88	49.37
Mammoth Spring	0.63	2.89	1.31	5.93	0.57	3.04	3.80	8.86	2.77	1.88	3.09	3.79	38.56
Marked Tree	1.47	3.77	1.82	11.04	0.22	2.11	4.50	9.49	1.34	0.41	3.10	6.47	45.74
Mena	0.64	4.33	2.32	12.36	2.02	3.36	3.77	9.26	2.27	2.07	3.58	7.02	52.98
Newport	1.31	2.38	1.84	12.97	2.01	3.93	5.50	9.97	4.54	1.14	4.42	6.18	56.19
Ozark	0.74	3.89	2.00	8.28	1.42	0.91	3.70	4.98	5.28				
Pine Bluff	0.56	5.30	2.59	14.32	0.65	2.04	3.55	8.31	1.49	2.64	3.71	9.38	54.54
Pocahontas	1.37	2.70	2.39	9.01	1.05	1.84	9.48	10.67	3.55	2.12	3.99	4.38	52.55
Pond	0.61	2.96	2.58	5.32	0.91	3.23	7.04	3.86	5.91	2.53	2.30	3.21	40.46
Portland	4.23	5.13	3.19	8.62	1.38	5.68	8.75	6.86	0.84	1.87	3.31	15.51	65.37
Prescott	0.78	6.55	2.90	11.05	1.56	2.03	3.50	5.50	0.52	1.66	3.18	6.68	45.91
Rogers	0.72	2.41	2.11	5.63	0.70	1.57	4.16	3.02	10.00	2.24	3.35	2.45	38.36
Springbank	0.82	5.35	1.85	11.02	1.44	1.48	3.74	5.18	2.47	1.79	2.29	7.43	44.86
Stuttgart	0.66	4.80	2.77	9.43	1.06	2.08	4.29	11.86	4.68	0.85	3.37	9.56	55.41
Subiaco	0.52	3.40	1.77	7.09	1.10	0.92	5.98	6.65	4.91	1.25	2.97	4.72	41.28
Swain	1.08	5.50	1.71	8.55	1.08	5.10	5.68	7.11	6.31	3.28	3.71	5.18	54.29
Texarkana	0.66	5.72	2.32	10.34	1.78	0.27	5.62	3.51	0.63	1.35	2.57	6.66	41.43
Warren	1.24	6.54	2.03	11.21	0.89	2.11	3.22	10.52	1.09	0.73	3.52	13.64	56.79
Whitecliffs	0.21	7.20	3.33	10.52	1.59	2.20	4.07	4.30	2.46	3.57	3.04	8.28	50.77
Wiggs	0.52	4.12	2.62	15.20	1.48	3.87	8.04	4.72	2.58	1.09	3.84	8.60	56.68
Wynne	1.25	4.33	1.56	7.91	0.65	2.69	3.05	11.71	1.31	1.31	2.55	7.31	45.63
Connecticut.													
Bridgeport	3.21	3.26	3.66	3.97	1.12	2.58	2.06	6.01	2.69	7.01	5.74	3.49	44.80
Canton	2.61	2.44	4.89	3.28	2.60	2.57	2.90	5.38	4.98	9.58	4.08	2.97	48.28
Colchester	4.45	3.04	4.43	3.78	0.84	2.13	3.01	7.23	2.78	5.82	6.97	3.35	47.83
Cream Hill	3.01	1.71	3.79	2.12	3.03	2.88	5.35	7.27	3.86	5.47	4.02	1.90	44.41
Danielson	3.54	3.20	4.54	4.55	1.51	1.32	2.93	8.20	3.60	3.03	7.23	3.30	46.95
Hartford	2.77	2.64	3.89	3.18	1.22	2.55	2.97	5.56	2.00	7.30	4.18	3.36	41.62
New Haven	3.20	3.45	4.48	4.31	0.74	2.73	2.17	5.57	2.33	7.44	6.40	4.04	46.86
New London	4.32	2.56	3.18	2.98	0.74	1.89	2.18	6.98	2.27	3.22	6.52	3.40	40.26
North Grosvenor Dale	2.69	1.71	2.62	2.25	0.35	1.49	3.61	3.46	3.06	2.44	3.21	3.68	30.57
Norwalk	2.75	3.54	4.13	3.65	1.60	3.37	2.24	5.18	3.29	8.40	5.42	3.33	46.90
Southington	3.40	2.80	4.60	3.60	0.20	2.80	2.65	7.20	2.15	8.80	4.35	3.45	46.00
Storrs	1.05	2.73	3.56	2.61	0.33	1.20	2.30	5.08	2.94	6.24	4.39	3.53	35.96
Waterbury	2.99	2.81	3.69	3.75	0.87	3.33	4.54	8.11	2.24	8.27	4.48	3.44	48.52
California.													
Aguanga	4.76	3.89	1.42	0.57	0.00	0.00	0.14	0.00	0.54	0.25	0.00	0.63	12.20
Alameda	12.50	1.60	2.85	1.10	0.21	0.05	T.	0.00	0.00	0.40	0.35	3.95	23.01
Alturas	3.16	0.59	0.68	0.97	0.59	1.01	0.97	0.00	0.58	0.37	0.62	0.59	10.13
Angels Camp	26.24	3.57	10.33	3.49	0.09	0.11	T.	0.00	0.45	0.53	1.63	1.26	47.70
Angiola	2.92	1.50	1.55	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	6.75
Antioch	11.33	1.23	1.57	0.34	0.16	0.04	0.00	0.00	0.00	0.07	0.10	1.29	16.13
Aptos	15.75	4.69	8.10	2.08	0.20	0.30	0.00	0.00	0.00	1.18	0.58	3.13	36.01
Auburn	20.77	2.93	6.06	2.03	0.42	0.25	0.00	0.00	0.05	0.46	1.26	0.92	35.15
Avalon	3.31	2.71	3.15	0.38	0.00	0.09	T.	0.00	0.58	0.25	0.14	0.79	11.40
Azusa	9.40	2.77	6.40	0.63	0.81	T.	0.00	0.00	0.72	0.13	0.41	0.56	21.83
Bagdad	0.00	0.00	T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	T.
Bakersfield	0.78	1.92	1.27	0.51	0.00	0.05	0.00	0.00	0.28	0.00	0.00	1.02	5.83
Barstow	0.61	0.77	0.28	0.48	0.02	0.00	0.36	0.00	1.50	0.08	0.00	0.05	4.15
Bear Valley (1)	32.22	7.50	13.48	6.71	2.64	0.76	0.00	0.00	0.36	1.56	3.35	4.37	72.95
Bear Valley (2)	1.23	2.29	1.52	0.65	0.00	0.10	0.00	0.00	T.	0.25	0.20	2.97	9.21
Beaumont	6.54	5.07	4.03	0.75	0.55	0.03	0.00	0.00	0.59	0.37	0.18	2.30	20.41
Beaumont (near)	7.63	6.20	4.43	1.58	0.00	0.05	0.00	0.00	0.73	0.63	0.43	2.02	23.70
Bellota	13.91	2.37	4.27	1.21	0.50	0.02	0.00	0.00	T.	0.08	0.35	1.86	24.57
Ben Lomond	38.44	8.17	9.69	5.65	0.84	0.00	T.	0.00	0.00	1.05	1.39	5.62	70.85
Berkeley	15.99	4.05	5.17	1.56	0.27	0.04	T.	0.00	T.	0.73	0.46	2.51	30.78
Biggs	11.11	2.06	5.74	1.01	T.	0.00	0.00	0.00	0.00	0.62	0.10	1.28	21.92
Blocksburg	19.03	5.38	4.19	6.23	4.37	0.14	0.00	0.00	0.31	1.79	3.08	6.41	49.93
Blue Canyon	33.02	7.40	10.45	4.90	1.52	0.75	0.00	0.00	0.05	1.19	4.10	3.89	67.27
Boca	20.59	3.73	8.50	1.48	0.00	0.00	0.10	0.00	0.00	0.01	0.45	2.82	37.68
Boulder Creek	33.95	6.26	10.39	4.04	0.53	0.00	0.00	0.00	0.00	0.25	1.25	4.98	61.65
Branscomb	23.74	6.85	4.50	7.81	5.72	0.29	T.	0.00	0.34	2.49	5.84	7.59	65.17
Brush Creek	33.12	6.83	14.19	6.61	1.38	0.36	T.	0.00	0.88	1.38	0.27	1.51	66.53
Burney	11.92	3.22	3.60	3.06	1.46	0.80	T.	0.00	0.19	1.38	0.80	1.97	28.40
Butte Valley	21.98	4.33	9.44	4.37	1.67	0.94	0.17	0.00	0.50	0.25	2.34	3.49	49.48
Calexico	0.47	0.97	0.13	0.00	0.00	0.00	0.33	0.00	0.00	0.45	0.00	0.00	2.35
Caliente	2.34	1.76	1.01	0.78	0.00	T.	0.00	0.00	0.99	0.00	0.00	1.33	8.21
Calistoga	17.67	3.46	11.32	3.59	0.42	0.00	0.00	0.00	0.00	0.84	0.95	1.15	39.40
Campbell	12.61	1.44	5.71	0.60	0.42	T.	0.00	0.00	T.	0.52	0.20	1.89	23.39
Campo	4.65	5.70	1.40	0.96	0.00	0.00	0.40	0.00	0.00	0.00	0.10	2.08	15.29
Camptonville	46.88	9.37	14.78	6.67	2.08	0.49	0.00	0.00	0.51	1.51	4.67	4.18	91.14
Cedarville	3.67	1.14	0.73	1.74	1.03	0.34	0.37	0.00	0.45	0.31	0.97	0.72	11.47
Chester	17.35	2.56	7.00	1.81	0.57	0.68	0.54	0.00	0.17	0.67	1.62	2.60	35.57
Chico	11.39	2.04	5.86	1.43	0.17	0.20	0.00	0.00	0.12	0.31	0.10	2.01	23.63
Chico (near)	12.69	2.56	6.24	1.88	0.12	0.21	T.	0.00	T.	0.58	T.	2.01	26.29
China Flat	12.10	3.84	3.38	3.46	2.91	0.05	0.00	0.00	0.58	0.73	3.06	4.59	34.70
Chino	7.88	3.38	4.00	0.71	0.05	0.00	T.	0.00	1.11	0.00	0.23	1.59	18.95
Cisco	20.30	4.70	11.50	4.20	1.20	0.00	0.00	0.00	0.00	0.50	1.90	5.00	49.30
Claremont	8.57	4.78	5.22	1.26	1.08	0.14	0.01	T.	1.05	0.21	0.44	1.34	24.10
Cloverdale	15.72	5.09	9.00	2.84	0.83	0.24	T.	0.00	0.04	0.51	1.07	3.06	38.40
Colfax	29.38	4.44	10.47	4.10	1.16	0.25	0.00	0.00	0.00	1.43	2.17	1.69	55.09
Colgate	28.49	4.55	8.29	3.35	1.14	0.34	0.00	0.00	0.16	1.58	1.75	2.00	51.65
Corning	7.26	2.60	6.56	0.58	0.24	0.22	0.00	0.00	0.30	0.46	0.10	0.82	19.14
Corona	5.28	3.62	1.83	0.65	0.00	0.00	0.00	0.00	0.91	0.60	0.10	1.11	14.10
Cuyamaca	10.19	8.26	4.39	1.79	T.	0.00	0.64	T.	0.29	0.68	0.26	2.35	28.85
Daunt	14.75	4.29	7.05	4.27	0.19	0.11	0.10	0.00	0.06	0.20	3.18	4.60	38.80
Davisville	13.08	1.79	5.31	0.89	T.	T.	0.00	0.00	0.00	0.05	0.12	1.13	22.37

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Deer Creek	41.77	7.72	13.98	6.89	2.62	0.76	T.	0.00	0.21	1.57	4.71	3.58	83.81
Del Monte	8.45	4.28	6.22	0.66	0.46	0.00	0.00	0.00	0.00	0.32	0.50	2.04	22.93
Descanso	4.62	6.22	2.73	2.08	0.00	0.00	0.77	0.00	0.23	0.57	0.00	2.35	19.57
Dinuba	5.01	1.65	3.56	1.38	0.00	0.00	0.00	0.00	0.00	0.16	0.43	0.83	13.02
Dobbins	29.75	4.35	8.27	3.64	1.18	0.36	0.00	0.00	0.24	1.69	1.76	2.08	53.32
Downieville	36.34	6.41	14.06	6.36	1.99	0.76	T.	0.00	0.42	1.16	3.88	3.26	64.64
Dudleys	29.48	4.13	12.03	4.16	0.71	0.12	T.	0.00	0.33	0.26	2.26	2.64	56.12
Dunnigan	10.12	1.60	8.78	0.90	0.15	0.00	0.00	0.00	T.	T.	0.08	1.17	22.80
Dunsmuir	16.02	6.47	10.47	3.70	4.04	0.31	1.94	0.00	0.60	1.64	1.90	3.34	50.43
Durham	10.50	2.05	5.92	1.44	0.17	0.12	T.	0.00	0.31	0.73	0.10	1.38	22.72
East Park	8.50	3.66	6.68	0.51	0.12	0.79	0.00	0.00	0.35	0.18	0.16	0.87	21.82
Edgewood	6.38	1.91	6.48	1.01	0.87	1.01	0.66	0.00	0.28	1.10	0.54	0.59	20.83
Edison	1.71	1.92	1.43	0.76	0.01	0.00	0.00	0.00	0.20	0.00	0.10	1.38	7.51
El Cajon	4.74	4.00	1.30	1.07	0.00	0.00	0.06	0.00	0.46	0.28	0.00	1.59	13.50
Electra	23.56	5.00	8.40	4.70	0.76	0.03	0.00	0.00	0.05	1.00	1.75	1.66	46.91
Elsinore	5.81	3.24	1.38	0.25	0.00	0.00	0.00	0.00	0.58	0.15	0.20	0.80	12.81
Emigrant Gap	26.10	5.75	6.90	4.35	3.49	1.02	0.00	0.00	0.40	2.07	3.27	3.78	57.13
Escondido	4.96	4.26	2.04	1.38	T.	0.00	0.11	0.00	0.02	0.05	0.10	0.94	13.86
Eureka	8.63	3.75	1.45	3.39	3.52	0.23	0.00	0.08	0.29	1.68	2.09	4.74	29.85
Fairmont	10.50	2.25	9.50	0.00	0.00	0.00	T.	0.00	0.80	0.45	0.04	0.99	24.53
Farmington	10.43	2.48	4.22	0.76	0.11	T.	T.	0.00	0.05	0.10	0.18	1.09	19.42
Felton	24.66	5.49	9.65	4.81	0.56	0.00	0.00	0.00	0.00	1.39	1.73	5.09	53.38
Firebaugh	3.48	0.32	2.73	0.35	0.19	T.	T.	0.00	T.	0.02	0.05	0.50	7.64
Folsom	21.06	2.76	6.61	1.40	0.29	0.04	T.	0.00	0.30	0.27	0.88	1.28	34.69
Fordyce Dam	30.72	7.38	12.39	6.91	2.35	0.61	0.15	0.00	0.55	1.45	3.72	4.80	71.03
Fort Bragg	10.89	4.18	3.80	2.80	2.32	0.00	0.00	0.00	0.25	1.71	2.27	5.36	33.67
Fort Ross	19.68	6.80	5.15	3.89	1.50	0.00	0.00	0.00	0.17	0.92	1.95	3.33	43.39
Fouts Springs	13.91	4.89	12.93	2.51	0.52	0.65	T.	0.00	T.	0.24	1.67	2.88	40.20
Fredalba	21.39	12.05	13.82	1.46	1.93	0.05	T.	0.00	2.72	1.78	1.38	4.46	61.00
Fresno	4.23	1.14	3.30	1.03	0.22	T.	T.	0.00	0.01	0.09	0.17	1.06	11.25
Fruto	6.89	2.50	9.30	0.60	T.	0.25	0.00	0.00	0.30	0.18	0.00	0.75	20.68
Galt	16.18	1.96	4.56	1.05	0.00	0.00	0.00	0.00	T.	0.30	0.33	1.74	26.12
Georgetown	39.65	6.96	12.38	5.87	1.74	0.24	T.	0.00	0.01	1.61	3.48	2.45	74.39
Gilroy	6.63	2.19	6.19	1.99	0.34	0.07	0.00	0.00	0.00	0.58	0.64	2.04	20.67
Gilta	13.78	4.37	2.96	5.10	3.95	0.00	0.00	0.00	0.43	2.25	3.52	5.55	11.91
Glendora	12.21	5.92	7.07	1.31	0.50	0.00	0.00	0.00	0.82	0.63	0.52	1.00	29.98
Glenn Ranch	22.52	9.04	12.28	0.41	0.08	0.04	0.03	0.00	2.72	0.28	0.08	0.92	48.40
Glenwood	32.86	6.64	12.45	4.05	0.93	0.00	0.00	0.00	0.00	2.34	0.92	3.95	64.14
Gold Run	23.48	7.10	11.90	3.07	1.85	0.55	0.00	0.00	0.15	1.27	3.55	2.25	55.17
Gonzales	4.21	2.68	5.15	0.38	T.	0.00	0.00	0.00	0.00	0.00	0.20	1.45	14.07
Grass Valley	37.21	5.93	11.38	5.16	1.26	0.42	T.	0.00	0.19	1.42	3.33	2.77	69.07
Greenville	28.52	5.12	9.21	4.66	1.28	0.13	0.62	0.00	0.37	0.41	1.54	2.67	54.53
Gridley	11.84	2.57	6.75	1.25	0.17	0.04	0.00	0.00	0.22	0.58	0.11	1.18	24.71
Groveland	30.76	4.24	13.32	3.25	0.71	0.21	0.02	0.00	0.12	0.66	2.02	3.34	58.66
Guinda	11.66	2.31	7.25	1.51	0.21	0.00	0.00	0.00	0.00	0.03	0.33	1.39	24.69
Hanford	3.79	1.46	2.94	0.53	0.00	0.00	0.00	0.00	0.02	0.02	0.23	0.55	9.54
Head Dam	38.43	6.09	9.31	5.09	1.83	0.46	0.00	0.00	0.02	2.03	3.98	2.04	69.28
Healdsburg	13.37	4.14	6.58	2.80	0.70	0.03	T.	0.00	T.	0.54	0.71	2.48	31.35
Hearst	12.80	4.20	6.20	4.29	5.50	0.50	0.00	0.00	0.30	1.35	2.70	4.40	42.15
Helen Mine	29.69	7.45	13.86	7.24	3.28	1.10	0.00	0.00	0.00	1.28	3.76	6.14	73.81
Hetch Hetchy	21.45	3.60	9.89	3.88	1.07	0.34	0.82	0.00	0.39	0.63	1.59	2.38	46.04
Holcomb	7.01	4.37	2.68	0.01	0.08	0.14	1.04	0.00	1.49	T.	0.95	0.95	18.72
Hollister	5.40	1.65	3.99	0.67	0.22	0.06	T.	0.00	0.03	0.22	0.29	2.15	14.68
Hornbrook	3.23	T.	0.50	0.25	0.38	1.30	2.25	0.00	0.17	0.38	0.30	1.20	9.96
Hot Springs	7.54	3.41	4.38	2.78	0.14	0.11	T.	0.00	0.40	0.12	0.70	3.88	23.46
Hullville	18.04	4.80	7.11	4.73	3.83	0.56	T.	0.00	0.18	0.77	3.43	4.64	48.09
Idyllwild	9.35	6.26	6.03	1.34	0.00	T.	1.02	0.00	0.80	0.43	0.15	2.10	27.48
Independence	2.89	0.86	0.78	T.	0.04	0.11	0.10	0.00	0.61	T.	0.10	0.07	5.56
Indio	0.86	1.06	0.22	T.	0.00	0.00	0.25	0.00	0.34	0.00	0.00	0.00	2.53
Inskip	31.02	11.61	13.63	8.65	3.01	0.61	T.	0.00	0.75	1.66	2.67	4.88	78.49
Ione	17.19	3.13	3.98	1.65	0.00	0.00	0.00	0.00	T.	0.50	0.80	1.51	28.76
Jacksonville	18.78	3.17	7.69	2.61	0.60	0.00	0.00	0.00	0.09	0.41	1.85	1.83	37.03
Jamestown	21.30	3.93	8.80	2.80	0.12	0.00	T.	0.00	0.10	0.86	0.90	2.60	24.41
Jenny Lind	14.63	3.20	5.45	1.45	0.25	0.00	0.00	0.00	0.00	0.20	0.40	1.10	26.68
Jolon	12.21	4.35	12.43	0.68	0.12	T.	0.00	0.00	0.03	0.45	0.13	1.32	31.72
Julian	8.35	8.25	4.00	0.70	0.00	0.00	0.50	0.00	0.30	0.60	0.40	2.15	25.25
Kennedy Mine	20.68	3.29	4.79	3.08	0.67	0.00	0.00	0.00	0.15	0.89	1.32	1.90	36.77
Kentfield	22.05	6.78	8.46	4.90	1.52	0.00	0.00	0.00	0.03	0.10	1.86	4.07	49.77
Kernville	3.80	0.69	1.73	0.45	0.00	0.20	0.10	0.00	0.78	0.00	0.50	1.06	9.31
King City	5.99	2.16	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.40	17.50
Knights Landing	12.22	1.77	6.21	1.10	0.03	T.	T.	0.00	T.	0.10	0.08	0.86	22.37
La Grange	12.00	1.40	5.04	1.25	0.41	0.00	0.00	0.00	0.07	0.42	0.77	1.10	22.46
Lake Eleanor	26.56	5.59	12.50	5.73	0.81	0.33	T.	0.00	0.28	0.61	2.67	3.00	58.08
Lathrop	7.95	1.50	3.50	0.40	0.02	0.36	0.00	0.00	T.	0.02	0.07	1.23	15.05
Laurel	34.15	5.35	15.60	5.20	0.95	0.15	0.00	0.00	0.00	2.35	1.05	4.00	68.80
Le Grand	7.15	1.40	2.85	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.70	12.67
Lemon Cove	5.99	2.63	4.30	1.51	T.	0.00	0.00	0.00	0.03	0.00	0.76	1.01	16.23
Lick Observatory	15.76	4.37	7.00	1.35	0.75	0.00	0.00	0.00	0.00	0.46	1.21	3.22	34.12
Livermore	12.60	1.42	4.45	0.69	0.24	0.07	T.	0.00	T.	0.43	0.29	1.71	21.90
Lodi	15.01	1.64	4.74	0.80	0.13	0.11	0.00	0.00	0.03	0.42	0.19	1.81	24.68
Lone Pine	1.90	1.01	0.87	0.00	T.	0.10	T.	0.00	0.00	0.03	0.02	0.10	5.23
Long Valley	8.99	0.30	3.15	0.53	0.14	0.15	1.63	0.00	0.13	0.25	1.10	0.55	16.92
Lordsburg	8.47	4.20	5.59	0.75	1.20	0.00	0.00	0.00	0.75	0.00	0.41	1.25	22.62
Los Alamos	7.53	3.64	12.41	1.47	T.	T.	T.	0.00	T.	0.00	0.08	1.85	26.98
Los Angeles	6.70	2.91	5.15	0.28	0.02	0.03	T.	0.00	1.23	0.16	0.10	1.27	17.85
Los Banos	5.00	0.79	2.63	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	9.45
Los Gatos	27.68	4.79	14.16	2.46	0.59	0.05	T.	0.00	T.	0.55	0.70	2.66	53.62
Los Molinos	9.00	2.72	5.28	0.64	0.15	0.16	0.00	0.00	0.61	0.74	0.09	0.44	19.83
Lowe Observatory	15.76	4.37	5.95	1.90	0.25	0.00	0.00	0.00	2.00	0.20	0.22	1.25	31.90
McCloud	16.52	5.75	9.40	3.61	3.54	1.03	0.68	0.00	0.59	1.53	1.18	2.07	45.90
Macdoel	3.49	0.80	1.07	0.23	0.15	0.42	1.48	0.00	0.00	1.21	1.39	1.60	11.75
Madeline	5.30	0.77	1.29	1.31	0.83	1.10	0.25	0.00	0.25	0.38	0.24	2.07	13.77
Magalia	38.40	8.65	14.03	7.30	2.28	0.34	0.00	0.00	0.68	1.44	2.15	2.35	77.62
Mammoth Tank	0.85	0.50	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.50	0.00	0.00	4.35
Mariposa	21.36	3.96	11.79	3.21	0.60	0.01	T.	0.00	0.29	0.28	1.93	1.85	45.28
Marysville	14.36	2.37	5.70	0.99	0.14	T.	0.00	0.00	T.	0.35	0.15	1.48	25.54

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Mecca	0.35	0.92	0.08	0.15	0.00	T.	0.15	0.00	T.	T.	0.00	T.	1.65
Melones	21.66	3.01	9.43	2.51	0.54	0.15	0.00	0.00	0.08	0.60	1.21	2.64	41.83
Menlo Park	14.76	2.34	4.66	0.92	0.30	T.	0.00	0.00	0.00	0.20	0.15	1.32	24.65
Merced	7.99	1.74	4.90	0.43	T.	0.00	0.00	0.00	0.00	0.00	0.26	1.35	16.67
Merced Falls	11.05	1.66	4.26	0.90	0.39	T.	0.00	0.00	T.	0.16	0.65	0.56	19.32
Mesa Grande	8.99	7.30	3.49	2.92	0.20	0.00	0.37	0.00	0.73	0.47	0.39	2.17	27.03
Mill Creek (1)	31.77	5.50	11.99	4.70	1.02	0.41	0.00	0.00	0.26	0.80	2.80	3.67	62.92
Mill Creek (2)	8.14	5.84	5.50	1.47	0.79	T.	0.38	0.00	1.34	0.55	0.75	2.29	27.05
Milo	11.30	3.97	5.52	1.75	0.48	0.00	T.	0.00	1.35	T.	1.87	1.94	27.18
Milton (near)	17.45	2.60	5.94	1.58	0.47	T.	T.	0.00	0.10	0.18	0.51	1.49	30.32
Modesto	5.00	1.00	3.96	0.62	0.18	T.	0.00	0.00	0.00	0.10	0.05	0.53	11.44
Mojave	3.27	3.10	1.75	0.50	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	9.12
Mokelumne Hill	23.01	3.87	8.09	3.83	0.71	T.	T.	0.00	0.11	0.73	1.95	2.30	44.60
Mono Ranch	23.34	4.79	19.97	0.59	0.19	0.40	T.	0.00	0.49	0.16	T.	1.08	51.01
Montague	2.40	0.33	0.73	1.20	0.40	0.33	1.16	0.00	0.37	1.21	1.27	1.40	10.80
Monterey	9.21	5.73	5.90	0.57	0.45	0.00	0.00	0.00	0.00	0.39	0.75	2.34	25.34
Monterio	4.18	4.21	3.41	0.76	0.12	0.10	0.00	0.00	1.00	0.40	0.20	1.84	16.22
Montgomery Creek	18.05	7.69	5.61	4.15	4.18	0.00	0.00	0.00	1.20	1.43	1.95	4.42	48.68
Mount Tamalpais	12.36	3.87	3.07	1.51	0.77	0.01	0.02	0.00	T.	0.29	1.49	3.22	26.61
Napa City	14.40	3.09	6.23	1.43	0.16	0.75	T.	0.00	0.00	0.42	1.12	2.04	29.64
Napa (S. H.)	13.50	2.22	5.17	1.32	0.21	0.03	T.	0.00	0.00	0.53	0.75	2.05	25.78
Needles	0.51	T.	0.06	0.38	1.03	0.10	0.42	0.00	0.20	0.07	0.00	0.00	1.77
Nellie	10.80	13.93	10.25	2.20	0.25	T.	0.47	0.00	0.76	0.75	0.60	3.65	43.66
Nevada City	35.98	5.23	11.84	4.46	1.22	0.27	T.	0.00	0.22	1.23	2.11	2.41	64.97
Newhall	5.82	5.78	8.74	0.33	0.00	0.00	0.00	0.00	0.38	0.28	0.00	0.95	22.28
Newman	5.70	0.84	3.11	0.27	0.10	T.	0.00	0.00	0.00	T.	0.19	0.44	10.56
Nimshew	28.77	8.96	13.81	6.11	1.18	0.55	0.00	0.00	0.60	1.64	1.85	2.23	65.70
North Fork	22.66	5.71	12.44	4.23	1.18	T.	0.00	0.00	0.35	0.30	1.51	2.58	50.98
North Lakeport	12.44	2.79	5.13	1.39	0.92	0.10	0.00	0.00	0.00	0.82	1.43	2.71	27.73
Oakdale	8.63	1.96	4.85	0.88	0.35	0.00	0.00	0.00	0.00	0.27	0.11	1.00	17.55
Oak Grove	5.95	3.96	1.74	0.55	0.00	0.00	0.44	0.00	0.94	0.49	0.02	1.17	15.26
Oakland	15.35	2.56	5.08	1.21	0.19	0.11	0.00	T.	0.01	0.38	0.35	2.28	27.52
Oakville	16.83	3.37	10.16	3.09	0.00	0.00	T.	0.00	0.05	0.29	1.25	2.36	37.40
Oceanside	3.94	3.59	1.65	0.91	0.03	T.	0.15	T.	0.23	0.33	0.07	0.56	11.46
Ojai Valley	14.83	3.82	8.66	0.81	T.	0.20	T.	0.00	0.28	0.14	0.05	1.17	29.96
Orland	7.57	2.96	6.29	0.44	0.06	0.17	T.	0.00	0.52	0.57	0.03	0.90	19.51
Orleans	11.99	3.49	1.68	4.06	2.51	0.03	T.	0.00	0.68	1.75	4.08	6.95	37.22
Oroville	15.64	2.33	5.82	1.88	0.04	0.20	T.	0.00	0.11	0.47	0.55	2.10	29.14
Ozena	10.63	5.75	7.25	0.45	0.28	0.10	0.00	0.00	0.50	0.00	0.70	1.33	26.99
Palermo	13.62	2.27	5.05	1.25	T.	0.00	0.00	0.00	T.	0.25	0.40	2.10	25.54
Palm Springs	1.79	2.23	0.21	0.20	0.00	0.00	0.00	0.00	0.20	0.05	0.00	0.15	4.83
Parkfield	11.32	2.52	9.92	1.46	0.07	0.00	0.00	0.00	0.00	0.00	0.30	1.23	26.82
Pasadena	9.82	4.70	7.59	0.71	0.02	0.06	0.00	0.00	1.81	0.11	0.08	0.95	25.85
Paso Robles	11.20	2.39	9.95	1.41	0.00	0.00	0.00	0.00	0.04	0.13	0.12	1.74	26.98
Peachland	16.56	4.71	5.91	3.91	0.78	0.01	T.	0.01	0.01	0.56	1.75	2.50	36.71
Pilot Creek	39.52	6.71	13.89	7.27	2.53	0.15	T.	0.00	0.06	1.41	4.44	3.96	79.94
Pine Crest	18.81	7.93	12.24	1.54	0.00	0.13	0.00	T.	0.13	0.42	0.02	2.92	44.14
Placerville	28.76	4.07	9.44	2.33	1.31	0.09	0.00	0.00	0.14	0.98	1.79	2.10	51.01
Point Lobos	13.06	2.89	4.82	0.89	0.29	0.03	0.00	T.	T.	0.30	0.02	2.62	25.52
Point Loma	3.07	4.56	1.19	0.45	0.01	0.03	0.10	0.06	0.25	0.50	0.05	1.04	11.31
Point Reyes	7.00	2.24	2.50	0.92	0.42	0.02	T.	0.00	T.	0.20	0.49	1.83	15.62
Pollasky	7.61	1.52	4.69	1.37	0.15	0.00	0.00	0.00	0.00	0.15	0.56	1.61	17.66
Porterville	4.56	1.80	2.33	1.14	0.01	0.01	0.00	0.00	0.23	0.00	0.28	1.24	11.60
Prattville	21.55	4.01	9.58	3.22	1.06	0.51	0.15	0.00	0.16	0.30	1.17	1.61	43.32
Priest Valley	13.77	2.25	12.39	0.67	0.37	0.00	0.00	0.00	0.00	0.10	0.20	1.46	31.21
Quincy	24.26	3.18	7.39	3.84	1.08	0.09	T.	0.00	2.35	0.50	1.70	2.55	46.94
Red Bluff	9.08	2.20	5.88	0.97	1.08	0.27	0.00	0.00	0.65	0.82	0.13	1.66	22.69
Redding	8.64	4.80	7.03	1.97	0.86	1.03	T.	0.00	0.54	0.59	1.02	2.28	28.76
Redlands	4.44	3.88	2.24	0.68	0.45	T.	T.	T.	1.03	0.71	0.34	1.35	15.12
Reedley	5.05	1.52	4.53	1.02	0.15	0.00	0.00	0.00	0.00	0.00	0.32	0.55	13.14
Represa	20.35	2.95	5.77	0.83	0.26	0.04	0.00	0.00	0.00	0.24	0.89	1.56	32.89
Rialto (near)	19.27	9.73	9.26	1.44	0.86	0.01	0.00	0.00	3.66	0.42	0.46	1.60	46.71
Rio Vista	12.48	2.81	4.50	0.84	0.13	0.11	0.00	0.00	T.	0.21	0.00	1.46	22.54
Riverside	4.70	2.80	1.66	0.51	0.03	0.00	0.10	0.00	0.75	0.40	0.00	0.86	11.81
Rocklin	20.12	3.20	6.01	1.35	0.12	0.00	0.00	0.00	T.	0.11	0.35	1.40	32.66
Rohnerville	9.49	4.49	2.65	3.73	3.08	0.25	T.	0.00	0.08	1.23	2.95	5.96	33.91
Sacramento	12.72	1.88	4.30	0.66	0.03	0.12	0.00	0.00	0.00	0.18	0.15	1.07	21.11
Saint Helena	15.79	3.65	9.06	4.14	0.56	0.27	T.	0.00	T.	0.47	1.26	2.58	37.78
Salinas	5.73	1.98	6.12	0.85	0.26	0.12	0.00	0.00	0.00	0.21	0.19	2.51	17.97
San Bernardino	6.58	4.22	2.52	0.48	0.49	T.	T.	0.00	1.47	0.50	0.58	1.17	18.01
San Diego	3.35	4.92	0.92	0.65	0.01	0.01	0.12	0.00	0.10	0.28	0.02	1.39	11.77
San Francisco	13.79	3.02	4.57	0.89	0.28	0.03	T.	0.00	T.	0.28	0.60	2.54	26.00
San Jacinto	4.71	3.19	2.31	1.39	0.00	0.00	0.00	0.00	0.50	0.28	0.00	0.00	12.38
San Jose	12.38	2.03	6.26	0.45	0.21	0.07	0.00	0.00	0.00	0.80	0.18	2.03	24.41
San Luis Obispo	14.31	4.86	11.92	1.32	0.08	T.	T.	0.00	0.02	0.12	0.46	3.72	36.81
San Mateo	16.14	2.03	5.07	1.19	0.35	0.00	0.00	0.00	0.00	0.05	1.05	2.45	28.33
San Miguel	8.84	2.01	6.22	1.27	0.07	0.00	0.00	0.00	0.04	0.06	0.07	1.09	19.67
San Miguel Island	10.44	2.01	6.57	3.01	0.15	0.14	0.00	0.00	0.00	0.00	0.20	0.78	23.30
Santa Ana River	11.62	4.20	7.58	0.69	1.39	0.00	0.25	0.00	2.18	0.95	0.95	2.68	32.49
Santa Barbara	14.21	4.92	7.76	1.02	0.03	0.05	T.	0.00	0.12	0.28	0.02	2.33	30.74
Santa Clara	12.72	1.96	5.25	0.62	0.49	0.12	0.00	0.00	0.00	1.22	0.41	1.93	24.72
Santa Cruz	16.03	5.63	5.71	1.63	0.50	0.25	T.	0.00	0.00	0.85	1.10	3.71	35.41
Santa Margarita	15.73	3.66	14.58	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.30	2.96	38.58
Santa Maria	6.42	3.80	6.68	1.82	0.00	0.00	T.	0.00	T.	0.00	0.00	1.77	20.49
Santa Monica	7.53	2.67	5.19	0.33	0.00	0.04	0.00	0.00	0.28	T.	0.00	1.12	17.16
Santa Rosa	14.20	2.75	4.96	3.04	0.44	0.02	T.	0.00	T.	0.58	0.72	2.41	29.12
Sausalito	13.81	2.22	3.99	1.07	0.17	0.00	0.00	0.00	0.00	0.34	0.92	2.61	25.13
Selma	4.09	1.32	3.49	1.34	0.18	0.00	0.00	0.00	0.00	0.09	0.41	0.95	11.87
Seven Oaks	13.60	5.49	6.49	0.12	0.30	0.00	1.17	0.00	2.31	0.46	0.52	1.38	31.84
Shasta	14.07	5.04	9.19	2.31	1.55	0.04	T.	0.00	0.58	0.17	0.76	2.57	36.28
Shingle Springs	25.50	6.70	3.94	1.50	0.25	0.00	0.00	0.00	0.00	0.53	1.40	1.65	41.47
Sierra Madre	13.05	5.93	9.89	1.50	0.39	0.02	0.05	0.00	1.54	0.16	0.18	1.05	33.76
Sierraville	17.46	2.40	6.26	1.87	0.53	0.00	0.30	0.00	0.00	0.00	1.87	2.40	33.03
Sisquoc Ranch	7.85	4.34	11.11	0.48	0.00	0.00	0.00	0.00	T.	0.00	0.17	1.40	25.35
Sisson	10.69	3.94	6.82	2.02	1.60	0.31	0.72	0.00	1.01	0.58	1.19	2.60	31.48

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Soledad	4.32	1.55	4.31	0.10	0.00	0.00	0.00	0.00	0.15	0.00	0.00	1.20	11.63
Sonora	21.30	4.02	8.10	2.99	0.62	0.07	0.00	0.00	0.07	0.77	1.50	2.77	42.21
Southeast Farallon	7.57	2.67	2.84	1.00	0.25	T.	0.00	T.	0.11	0.12	0.30	1.60	16.46
Spreckels	5.52	2.11	6.03	0.60	0.32	0.09	0.00	0.00	0.00	0.40	0.25	1.67	16.99
Squirrel Inn	20.85	11.61	10.93	1.26	1.75	0.00	T.	0.00	3.44	1.23	1.50	3.12	55.69
Stirling City	32.55	2.50	13.78	7.35	1.70	0.35	0.00	0.00	0.60	1.72	2.70	2.95	66.20
Stockton (S. H.)	11.32	1.41	4.24	0.66	0.21	T.	0.00	0.00	0.29	0.03	0.18	1.16	19.50
Storey	5.92	0.95	1.40	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.84	10.02
Suisun	12.30	1.57	4.07	0.88	0.26	0.00	0.00	0.00	0.00	0.01	0.50	2.14	21.73
Summit	28.90	5.30	10.63	4.70	1.52	0.04	0.00	0.00	0.25	0.60	2.02	6.60	60.56
Susanville	11.59	0.70	4.39	1.52	0.69	0.27	0.77	0.00	0.32	0.25	0.97	0.62	22.09
Tamarack	39.80	13.60	7.30	5.19	1.39	1.10	0.83	0.00	0.32	1.44	3.65	4.99	79.61
Tehachapi	2.32	1.60	1.41	0.93	0.00	0.00	0.00	0.00	0.84	0.57	0.00	1.60	9.27
Tehama	14.00	2.10	6.28	0.25	T.	T.	0.00	0.00	0.30	0.40	T.	1.49	24.82
Tejon Rancho	1.76	2.50	1.29	1.11	0.05	0.00	T.	0.00	0.36	0.40	0.02	1.86	9.35
Three Rivers	8.69	3.09	6.20	1.88	0.24	0.03	T.	0.00	0.14	0.07	1.71	1.25	23.30
Towle	24.91	5.52	14.30	5.11	2.55	0.88	T.	0.00	0.10	1.37	3.75	3.33	61.82
Tracy	4.71	0.61	3.66	0.23	0.02	0.02	0.00	0.00	0.00	0.00	0.22	0.92	10.39
Tulare	4.01	1.49	2.72	0.82	0.07	T.	T.	0.00	0.17	0.06	0.38	0.67	10.39
Tustin (near)	4.12	3.43	1.84	0.47	0.00	T.	T.	0.00	0.36	0.30	T.	0.57	11.09
Ukiah	13.64	4.19	5.46	2.72	1.42	0.48	0.00	0.00	0.01	1.70	1.34	3.75	34.71
Upper Lake	12.02	2.99	5.46	1.97	1.10	0.28	0.00	0.00	0.03	0.99	0.96	2.33	28.13
Upper Mattole	19.47	7.89	6.86	7.47	5.25	T.	0.00	0.00	0.28	3.42	4.49	9.00	64.13
Vacaville	15.81	3.11	5.18	1.65	0.30	T.	0.00	0.00	0.03	0.48	0.52	2.19	29.27
Valley Springs	18.52	3.87	6.08	2.63	0.61	0.00	0.00	0.00	0.06	0.37	0.68	1.54	34.36
Visalia	3.89	1.27	2.31	1.09	0.00	0.00	T.	0.00	0.00	0.00	0.00	0.95	9.51
Warner Springs	4.61	4.71	2.36	0.38	0.02	0.02	0.14	0.00	0.54	0.25	0.06	1.10	14.21
Watsonville	13.37	4.44	5.61	1.30	0.34	0.09	0.00	0.00	0.00	1.71	0.50	3.20	30.56
Weitchpec	15.41	5.84	2.62	6.93	6.78	0.04	0.03	0.00	1.07	3.38	7.53	8.96	58.49
West Branch	33.06	8.46	13.93	8.21	2.98	0.48	0.00	0.00	0.62	1.89	3.63	3.93	77.09
Westley	5.70	0.60	5.12	0.15	0.00	0.13	0.00	0.00	0.00	0.00	0.29	0.60	12.59
West Point	26.44	5.29	11.00	3.70	0.87	0.15	T.	0.00	0.17	0.85	0.12	4.64	53.23
West Saticoy	9.51	3.00	4.07	0.76	0.00	T.	0.00	0.00	0.14	0.29	0.13	1.32	19.22
Wheatland	17.36	2.40	5.50	1.26	0.17	0.01	T.	0.00	0.11	0.51	0.47	1.10	28.89
Willows	7.20	2.34	6.44	0.81	0.16	0.17	0.00	0.00	0.12	0.25	0.05	0.88	18.42
Yosemite	11.39	4.31	12.08	2.72	1.28	0.00	0.39	0.00	0.82	0.63	2.13	2.55	38.30
Colorado.													
Akron	0.38	0.35	0.10	2.57	0.93	1.26	1.39	0.76	2.10	1.60	0.20	0.22	11.86
Albion Lake	4.28	4.25	7.60	7.90	1.70	1.57	4.15	2.12	2.69	2.63	.....	0.91	.....
Alma	1.21	1.81	0.90	3.82	.....	0.77	.....	.....	.....	.....	.....	.....	.....
Arriba (near)	0.19	1.53	T.	1.80	1.05	0.28	1.21	0.97	3.84	1.52	0.20	0.99	13.58
Ashcroft	1.86	1.20	2.54	3.28	1.84	1.75	4.29	2.02	2.37	2.06	1.59	0.72	25.52
Auldhurst	0.24	1.42	1.38	1.62	0.78	2.21	4.92	2.01	1.07	1.02	0.52	0.82	18.01
Bed Rock	0.79	1.78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bennett (near)	.....	.....	.....	.....	.....	1.02	1.21	2.08	0.44	0.39	0.17	0.30	.....
Blaine	0.05	1.66	0.05	1.19	2.86	0.16	2.34	3.71	0.10	.....	.....	.....	.....
Blanca	0.03	1.00	0.12	0.60	0.59	0.29	4.12	1.52	1.47	.....	.....	.....	.....
Boulder	0.73	1.56	0.64	2.68	0.90	1.30	1.69	1.24	0.26	1.59	0.72	.....	.....
Breckenridge	1.39	0.64	0.72	1.69	1.02	1.88	4.45	.....	1.28	0.95	0.80	0.36	.....
Buena Vista	0.06	2.93	2.03	0.37	0.20	0.93	2.44	1.53	1.23	1.35	0.63	0.33	14.03
Buford	1.96	2.04	1.38	1.38	0.21	2.58	1.94	1.31	2.37	2.95	2.23	1.11	21.46
Burlington	0.26	0.46	0.07	2.25	0.90	1.45	1.30	3.56	1.86	1.55	0.20	1.15	15.01
Calhan	0.15	1.40	0.31	1.79	2.06	1.58	2.81	1.62	1.35	1.36	0.64	1.61	16.68
Canon City	T.	1.92	0.58	0.69	0.34	0.78	1.87	1.80	0.46	1.68	0.34	0.95	11.41
Cascade	5.33	7.30	5.69	2.32	1.32	3.47	7.14	2.47	6.25	5.04	.....	.....	.....
Cassells	0.34	1.50	0.32	1.48	0.62	1.02	3.37	1.45	1.40	1.99	0.45	0.37	14.31
Castle Rock	0.31	0.75	0.41	0.80	0.69	0.91	2.98	1.73	0.95	0.65	0.53	1.06	11.77
Cedaredge	0.44	1.57	1.66	0.36	0.00	0.70	1.06	1.06	2.70	2.97	0.28	0.15	12.95
Cheesman	0.25	1.26	0.50	0.90	1.05	1.85	6.55	2.13	1.10	1.40	0.81	.....	.....
Cheyenne Wells	0.92	1.34	T.	1.10	0.97	1.23	2.87	2.36	0.44	1.14	0.25	2.10	14.72
Chromo	0.47	2.54	1.38	.....	0.78	1.60	8.58	3.03	4.08	4.19	0.80	0.72	.....
Cochetopa	0.60	0.79	0.75	1.03	0.30	1.20	3.38	3.69	1.99	0.82	0.46	0.51	15.52
Colibran	1.64	1.48	1.28	1.65	0.01	1.96	1.93	0.90	2.41	2.38	1.11	0.50	17.25
Colorado Springs	T.	1.81	0.42	2.56	0.65	0.73	2.17	1.09	0.33	0.86	0.28	0.80	11.70
Columbine	.....	4.61	3.59	2.14	1.26	2.24	1.21	1.57	2.42	2.44	1.17	0.96	.....
Columbine Ranch	6.96	3.63	4.12	1.58	0.37	1.12	3.86	1.81	3.98	4.11	1.83	1.18	34.25
Cope	1.00	1.13	0.00	3.73	2.32	1.07	1.48	6.31	3.87	1.46	0.59	1.71	24.67
Corona	3.52	3.26	6.36	5.23	2.14	1.96	4.46	2.25	2.20	2.95	5.55	2.84	42.72
Cortez	.....	.....	.....	.....	.....	.....	4.04	.....	.....	.....	.....	.....	.....
Craig	3.20	1.50	.....	0.95	0.39	2.31	.....	.....	1.99	.....	0.63	.....	.....
Crawford	0.79	1.01	2.13	1.34	0.30	1.13	2.47	1.07	2.14	2.84	1.06	0.65	16.93
Crested Butte	5.98	1.16	3.54	3.10	1.47	1.61	5.32	1.54	2.93	2.61	2.60	0.57	32.43
Cripple Creek	T.	0.78	1.27	1.17	0.57	1.44	4.48	2.19	0.79	0.82	0.55	0.32	14.33
Cuchara Camps	0.28	1.57	0.12	3.08	1.71	0.44	6.33	0.88	1.09	3.64	2.40	2.20	23.74
Cumbres	8.27	5.98	3.17	0.99	1.21	1.32	5.50	4.32	5.63	6.28	2.48	1.75	46.90
De Beque	1.66	0.79	1.32	.....	.....	.....	.....	.....	1.10	2.25	0.29	.....	.....
Delta	1.18	0.61	1.14	0.35	T.	0.68	1.53	0.55	2.48	2.01	0.30	0.05	10.88
Denver	0.12	0.68	0.28	1.41	0.52	0.56	1.31	1.08	0.75	0.33	0.37	0.34	7.75
Dillon	2.26	0.10	1.20	0.77	0.33	1.04	3.23	0.96	0.61	0.46	0.99	0.09	12.04
Dolores	2.40	1.93	2.66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Durango	3.48	7.02	3.14	1.50	0.59	1.09	5.21	2.89	2.82	5.07	0.94	0.54	34.29
Eads	T.	0.80	0.25	0.80	.....	0.82	.....	.....	.....	.....	.....	.....	.....
Eagle	1.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edgewater	0.12	1.00	0.39	1.66	0.62	1.36	1.47	1.78	0.63	1.05	0.23	0.32	10.63
Estes Park Fish Hatchery	0.42	0.51	0.85	2.28	0.25	1.15	2.40	2.12	0.54	2.12	1.23	0.30	14.17
Eureka	3.35	3.81	3.56	2.69	0.91	1.44	4.92	1.31	1.95	1.38	2.83	0.48	28.63
Fairview	0.59	2.72	4.33	2.32	1.13	0.42	4.56	4.66	1.48	4.02	3.12	2.89	32.24
Fort Collins	0.34	1.52	0.05	1.89	0.72	1.78	1.47	0.59	0.80	0.93	0.43	0.37	10.89
Fort Lupton	0.02	0.54	T.	0.81	2.59	0.39	0.72	1.44	0.18	0.88	0.40	0.22	8.19
Fort Morgan	0.19	0.15	0.00	1.40	2.79	0.87	1.80	1.21	0.29	1.16	0.05	0.40	10.31
Frances	.....	.....	1.19	2.51	0.21	3.64	3.37	2.65	0.81	1.82	3.07	0.53	.....
Fraser	1.66	0.60	1.26	2.04	0.30	1.20	3.33	1.88	1.82	1.17	2.95	0.51	17.82
Fremont Experiment Station	0.06	1.56	1.67	2.20	0.93	0.93	5.42	2.03	1.14	1.45	0.61	1.13	19.13
Fruita	1.60	.....	.....	0.73	0.09	0.41	1.37	0.08	2.31	2.14	0.36	0.39	.....

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Colorado—Continued.													
Fry's Ranch	1.20	0.85	1.15	2.07	0.55	1.44	2.67	1.95	0.64	1.81	0.53	0.19	15.05
Garfield	1.74	2.63	2.52	1.98	0.85	2.15	4.63	3.00	1.74	2.54	1.72	0.84	26.34
Garnett	0.03	0.50	0.04	0.46	1.00	0.55	2.39	0.88	1.56	1.12	0.37	0.18	9.08
Georgetown	0.65	0.82	0.68	1.74	1.00	1.22	2.95	1.81	1.24	1.26	0.60	0.22	14.19
Glade Park	1.00	1.79	1.27	0.77	0.09	1.11	2.33	1.27	2.05	1.97	0.96	0.57	15.18
Gladstone	6.40	5.54	5.93	2.42	0.94	1.95	5.28	2.23	5.61	10.85	3.34	.....	.....
Glenwood Springs (near)	1.50	0.43	1.42	1.12	T.	1.10	2.93	0.79	2.26	1.28	0.83	0.20	13.86
Grand Junction	0.48	1.29	0.54	0.62	0.03	0.64	0.84	0.35	1.30	1.53	0.60	0.20	8.42
Grand Lake	1.65	0.48	0.45	1.43	T.	1.50	2.70	2.00	1.17	0.42	0.40	0.60	12.80
Grand Valley	2.20	1.53	1.18	0.88	T.	0.97	1.69	0.88	1.73	2.78	2.37	0.31	16.52
Greeley	0.19	0.88	0.01	0.83	1.31	2.59	0.92	0.86	0.17	0.67	0.37	0.52	9.32
Grover (near)	0.61	0.34	0.04	.....	.....	.....	.....	.....	.....	.....	.....	0.37	.....
Gunnison	0.98	0.51	1.28	0.60	0.28	0.46	4.21	1.11	0.96	1.21	0.69	0.23	12.52
Hamps	0.12	0.82	T.	1.06	2.17	0.58	4.35	4.22	0.38	1.55	0.21	0.65	16.11
Hartsel	0.12	0.60	0.65	0.48	0.66	2.21	5.65	1.38	1.39	0.83	0.12	0.06	14.15
Hawthorne	0.61	1.38	0.77	2.66	0.55	2.11	2.12	1.20	0.41	1.84	1.11	0.28	15.04
Hermit	1.07	3.07	1.49	0.86	0.93	1.58	4.53	3.03	2.65	3.38	1.35	1.24	25.18
Hermit Lake	2.97	4.92	5.66	5.24	1.64	2.66	7.39	2.95	4.41	6.48	3.59	1.98	49.89
Hesperus	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.29	0.58	0.41	.....
Hoehne	0.22	1.63	0.10	0.54	1.81	0.14	3.20	1.11	1.32	1.41	0.55	0.20	12.23
Holly	0.03	1.10	0.46	0.56	0.97	1.14	1.52	3.14	0.65	0.82	0.60	0.69	11.68
Holyoke (near)	0.13	0.11	T.	2.22	0.79	1.91	0.62	2.00	0.73	2.48	T.	0.75	11.74
Horsefly	1.07	1.55	1.17	0.21	0.12	1.18	4.85	.....	3.67	3.91	1.81	1.20	.....
Idaho Springs	0.37	0.65	0.30	1.88	0.79	1.60	2.30	1.85	0.86	0.96	0.52	0.20	12.28
Ironton	2.56	3.31	2.87	1.05	1.76	1.43	5.81	2.15	3.53	3.71	3.53	1.67	33.38
Keota	.....	.....	.....	1.29	1.63	2.34	0.83	0.62	1.11	1.13	0.23	0.13	.....
Ladore	2.60	2.30	.....	.....	.....	0.52	0.12	0.37	1.77	1.22	0.37	0.07	.....
La Junta	0.00	0.81	T.	1.03	1.53	0.27	2.59	1.45	0.60	1.44	.....	.....	.....
Lake City	0.95	1.45	1.12	1.37	0.72	1.16	3.01	2.06	1.18	1.94	1.37	0.72	17.05
Lake Moraine	0.19	1.55	2.13	2.79	1.43	2.86	7.03	2.84	1.24	1.91	0.67	0.90	25.54
Lamar	T.	1.83	0.27	0.58	1.61	0.52	3.06	2.41	0.00	1.73	0.24	1.70	13.95
La Porte	0.26	2.13	0.06	2.54	1.85	0.89	1.44	0.50	0.37	1.16	0.41	0.25	11.88
Las Animas	0.00	1.66	0.24	1.00	1.50	1.40	2.73	1.44	0.52	1.51	1.04	2.29	15.33
La Veta Pass	0.09	2.74	0.58	1.54	1.17	0.64	5.58	3.01	2.05	3.83	1.67	1.70	24.60
Lay	2.02	2.16	0.53	1.11	0.40	1.72	1.41	0.41	2.23	2.71	1.01	0.59	16.30
Leadville	1.86	0.82	1.43	2.02	0.70	3.03	3.13	2.89	1.52	2.24	0.98	0.48	21.10
Le Roy (near)	0.32	0.24	0.10	3.13	1.74	2.21	2.50	1.68	1.16	1.87	0.18	0.92	16.05
Limon (near)	T.	0.73	0.09	1.25	1.49	0.92	2.77	1.73	0.47	1.06	.....	0.74	.....
Longmont	0.22	0.71	0.21	1.50	1.00	0.93	1.20	0.76	0.79	0.61	0.39	0.20	8.52
Longs Peak	1.21	0.88	1.20	3.18	0.73	1.66	3.12	1.75	0.96	2.34	2.07	0.51	19.61
Lulu Pass	3.36	1.74	2.67	4.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
Madrid	0.06	1.13	0.19	0.22	1.13	0.51	4.25	1.14	0.46	2.73	0.55	0.64	13.01
Manassa	T.	0.60	0.02	0.59	0.38	0.68	3.46	.....	0.69	2.28	0.13	0.45	.....
Mancos	2.81	2.07	2.51	0.11	T.	1.82	5.39	1.82	3.32	3.63	1.05	1.45	25.98
Marble	5.03	2.50	4.59	1.87	0.86	1.69	4.14	0.84	3.49	4.80	2.15	0.82	32.78
Marshall Pass	1.05	1.25	1.07	0.59	T.	2.42	5.98	2.46	1.70	0.70	1.16	0.32	18.70
Meeker (near)	1.45	1.36	0.91	0.97	0.25	1.36	0.97	1.67	1.74	2.14	1.38	0.89	15.11
Montrose	0.41	0.93	0.73	0.67	0.04	0.34	2.10	0.78	1.84	2.91	0.46	0.58	11.79
Monument	0.57	1.90	0.40	.....	.....	0.84	4.59	1.36	0.71	0.54	0.65	0.83	.....
Moraine	.....	0.83	0.30	2.20	T.	.....	.....	.....	0.74	1.30	0.90	0.05	.....
Nast	2.59	0.58	1.58	1.57	0.32	1.90	3.22	1.54	2.32	1.13	1.64	0.39	18.78
North Lake	0.38	1.53	0.44	1.07	0.48	0.33	6.58	2.28	2.05	2.63	2.06	0.71	20.54
Oro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.06	0.39	.....
Pagoda	.....	1.32	0.65	1.50	0.03	3.83	1.53	2.18	5.07	3.90	1.00	.....	.....
Pagosa Springs	2.99	4.57	1.82	1.28	0.29	1.89	5.84	2.80	2.85	6.06	.....	0.62	.....
Palisades	.....	.....	.....	.....	0.02	0.61	1.26	0.51	1.36	2.42	0.55	.....	.....
Paonia	2.35	1.53	3.27	0.58	0.12	0.77	1.51	0.93	2.72	2.66	1.00	0.67	18.11
Parshall	.....	0.30	0.65	0.64	0.38	1.18	2.52	2.14	1.16	.....	0.88	.....	.....
Pitkin	1.91	0.77	1.80	0.94	1.54	1.88	4.47	1.68	2.23	2.29	0.81	0.21	20.53
Platora	4.43	5.75	3.32	2.86	1.30	2.76	4.86	3.53	3.50	4.99	1.55	1.48	40.33
Platte Canyon	0.80	0.78	0.20	1.59	0.33	1.74	2.87	1.60	0.23	0.90	0.07	0.08	11.19
Pueblo	0.04	0.99	0.29	0.82	0.40	0.46	2.81	0.37	0.32	1.09	0.31	1.10	9.00
Pyramid	2.39	2.41	1.37	2.76	1.48	1.95	0.86	1.07	1.00	1.87	1.95	0.40	19.51
Rangely	1.80	1.00	0.06	0.74	.....	.....	.....	.....	1.79	3.23	0.56	0.73	.....
Redcliff	2.27	1.37	3.11	2.79	0.93	3.04	3.96	4.02	2.15	.....	2.37	1.00	.....
Rico	3.76	4.71	5.13	1.01	0.36	3.46	7.10	1.65	3.01	2.70	1.54	1.35	35.78
Rifle	.....	.....	.....	.....	.....	.....	.....	.....	1.03	1.51	0.25	0.19	.....
River Portal	1.43	1.15	2.71	1.61	0.17	0.34	2.55	1.09	1.86	3.10	1.22	0.43	17.66
Rocky Ford (near)	T.	0.65	0.05	0.06	0.65	0.67	1.51	0.69	0.12	1.25	0.20	1.16	7.55
Saguache	T.	1.13	0.63	0.25	0.11	0.80	3.50	.....	1.00	2.20	0.29	T.	.....
St. Cloud	0.50	1.59	0.28	1.54	0.25	0.93	2.47	2.41	0.83	1.88	0.50	0.35	13.53
St. Elmo	2.08	2.07	2.95	1.32	0.92	1.32	4.30	2.76	2.16	3.10	2.21	0.78	25.97
Salida	0.05	4.05	1.45	0.49	0.11	1.70	3.68	1.14	0.84	1.49	0.50	0.95	16.45
San Luis	0.23	1.43	0.35	1.18	0.73	0.81	4.62	2.32	1.58	3.20	0.72	0.47	17.64
Santa Clara	0.30	1.66	0.62	0.96	1.51	1.56	5.46	2.35	0.58	3.10	1.57	1.21	20.88
Sapinero (near)	2.15	2.53	3.42	1.96	0.38	0.59	2.71	1.42	2.42	3.03	2.61	1.04	24.2
Sedgwick	0.33	0.10	0.25	3.25	1.47	0.80	1.77	3.21	0.67	2.81	0.05	0.50	15.21
Sheridan Lake	.....	1.30	.....	.....	1.34	0.21	2.05	.....	0.37	0.90	0.24	.....	.....
Shoshone	2.74	1.33	2.36	2.41	0.36	0.72	1.86	1.95	2.61	1.89	1.59	0.59	20.41
Sill Mine	4.95	2.89	2.87	.....	1.74	2.68	.....	.....	.....	2.36	2.74	1.38	.....
Silverton (near)	3.38	4.06	5.66	1.27	1.10	1.94	4.83	5.78	6.45	6.13	2.59	1.59	44.78
Spicer (near)	1.09	1.17	0.48	1.44	0.33	0.94	1.14	1.32	0.96	1.00	1.17	0.16	11.20
Spruce Lodge	2.86	1.24	2.32	4.32	1.19	2.17	4.97	3.17	1.74	1.66	2.84	1.45	29.93
Steamboat Springs	3.26	1.94	1.49	2.05	0.65	1.81	2.12	1.16	2.44	1.97	1.93	1.47	22.29
Sterling	1.13	0.16	T.	1.65	1.99	2.23	0.80	0.83	1.13	2.15	0.05	0.43	12.55
Stonewall	0.03	0.85	0.35	.....	1.36	0.93	7.93	2.82	1.29	3.35	1.13	0.64	.....
Tacoma	3.71	5.05	2.03	1.26	0.57	2.06	5.07	2.31	4.02	1.23	.....	1.30	.....
Telluride	.....	.....	.....	.....	.....	1.14	5.90	2.08	3.45	3.38	3.38	0.83	.....
Terminal Dam	4.97	7.78	4.02	1.39	0.30	1.75	5.94	1.27	5.40	4.48	0.86	0.95	39.11
Trinidad	0.28	1.06	0.25	0.03	0.18	1.01	2.47	2.69	0.59	3.26	1.31	1.25	14.38
Two Buttes	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.66	0.72	0.88	.....
Uncompahgre Plateau	.....	.....	.....	.....	0.12	1.68	4.96	0.82	3.97	5.35	1.35	1.45	.....
Victor (near)	T.	0.92	0.76	1.21	0.72	2.50	6.12	3.14	0.71	1.44	0.26	0.45	18.23
Vilas	0.00	1.22	.....	.....	3.18	0.43	1.49	1.44	0.20	0.87	1.25	0.95	.....
Wagon Wheel Gap	0.82	2.98	1.18	0.75	0.65	2.14	4.28	2.97	2.15	3.61	1.13	1.14	23.80

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Colorado—Continued.													
Waterdale	0.35	1.79	0.26	2.13	0.76	1.40	1.22	0.76	0.27	1.70	0.69	0.23	11.56
Wayne	0.00	1.23	.....	0.75	2.18	1.04	3.17	0.91	0.05	.....	.....	0.62	.....
West Cliffe	0.10	1.42	1.27	0.89	0.61	.....	1.92	1.50	0.67	1.98	0.28	0.51	.....
Winfield	0.94	0.95	1.32	1.02	0.61	1.52	2.41	2.52	2.13	2.02	0.53	0.42	16.39
Woodman Sanatorium	0.09	1.31	0.88	1.57	0.38	1.23	3.29	1.87	0.68	0.77	0.45	.....	.....
Wortman	3.45	1.48	2.48	2.87	0.63	3.55	4.87	2.36	1.42	1.08	2.50	1.61	28.30
Wray	0.29	0.77	0.03	4.65	2.50	1.16	0.63	1.87	0.91	2.10	0.23	1.04	16.18
Yampa (near)	1.02	1.10	0.65	0.91	0.20	2.36	2.67	1.98	1.04	0.99	0.61	0.37	13.90
Yuma	0.05	0.21	0.10	2.47	1.02	1.15	1.00	2.82	1.30	1.69	0.06	0.43	12.30
Delaware.													
Delaware City	4.04	1.46	1.28	3.19	0.58	3.81	4.05	6.02	2.10	2.86	4.50	3.24	37.13
Dover	5.16	1.95	4.42	3.24	1.24	3.79	1.20	10.32	2.68	2.85	5.20	3.79	45.84
Milford	5.02	2.15	3.86	3.93	0.36	6.32	1.97	14.68	2.02	3.32	4.77	4.14	53.54
Millsboro	3.16	2.55	3.16	3.30	0.53	2.25	3.93	7.42	1.67	3.04	6.16	3.75	40.92
Seaford	3.34	2.05	2.79	4.66	0.72	1.92	3.21	10.90	1.55	2.03	4.91	3.32	41.40
District of Columbia.													
Washington	2.92	1.92	2.31	2.85	0.87	4.55	4.47	7.27	2.03	4.07	3.85	3.34	40.45
Florida.													
Apalachicola	1.45	0.03	2.40	1.97	1.72	3.88	6.47	10.14	3.25	6.49	4.01	6.32	48.13
Arcadia	0.23	0.10	1.45	1.43	4.55	4.79	5.20	7.17	2.44	5.57	1.44	1.47	35.84
Archer	1.50	0.55	0.90	0.35	6.29	4.92	5.69	10.22	3.26	3.73	4.05	.....	.....
Avon Park	0.55	T.	1.85	1.92	4.54	6.93	8.01	3.93	2.06	4.79	1.90	2.02	38.50
Bartow	1.08	0.00	1.02	0.43	2.32	3.64	10.76	7.87	3.56	3.12	4.75	4.06	42.61
Blountstown	.....	.....	.....	.....	.....	.....	7.50	6.96	1.66	4.89	1.67	.....	.....
Bonifay	2.90	0.70	6.23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bradentown	1.89	T.	1.50	1.58	4.24	5.24	8.93	8.10	7.67	6.21	3.07	2.19	50.02
Brooksville	0.72	0.10	2.00	0.35	4.95	5.77	6.11	7.67	10.31	6.87	3.18	5.09	53.12
Carrabelle	2.12	0.36	2.40	3.40	1.73	5.56	3.82	6.62	2.18	8.38	1.24	9.07	46.88
Cedar Keys	1.32	0.00	1.62	0.30	2.19	6.69	4.43	11.15	2.25	6.49	3.42	3.48	43.34
Clermont	0.70	0.00	1.43	0.35	2.68	6.24	7.90	7.43	3.11	3.50	4.63	3.96	41.93
De Funiak Springs	3.60	0.97	3.85	4.56	4.29	5.66	5.34	11.01	5.00	3.53	6.27	8.66	62.74
De Land	0.94	0.02	1.67	3.23	3.54	3.45	7.25	7.28	3.78	2.46	4.98	2.76	41.36
Eustis	1.73	T.	1.63	0.63	5.02	2.09	5.80	7.76	1.97	4.01	3.59	3.72	37.95
Federal Point	1.52	0.09	1.36	0.36	2.22	5.50	9.56	7.53	2.88	3.07	3.84	4.76	42.69
Fenholloway	1.86	0.00	.....	2.67	6.96	5.37	11.53	15.29	5.83	.....	.....	8.03	.....
Fernandina	0.98	0.30	4.14	1.38	1.40	0.75	2.18	9.42	0.71	4.07	4.46	4.60	35.29
Fort Meade	0.83	T.	0.87	1.43	4.14	5.54	8.89	7.08	3.16	5.50	4.18	1.80	43.42
Fort Myers	0.46	T.	0.68	3.06	8.49	8.77	4.05	11.19	5.87	4.62	1.53	0.37	49.09
Fort Pierce	.....	.....	.....	2.75	7.05	3.55	2.75	3.40	1.80	8.00	2.00	5.40	.....
Gainesville	1.84	0.13	1.09	1.23	4.45	2.91	3.45	8.16	5.87	1.50	4.53	3.68	38.84
Grasmere	1.08	T.	1.90	4.36	5.16	4.73	8.21	7.87	6.77	3.11	4.47	2.59	50.25
Hilliard	0.87	0.30	4.82	1.78	3.70	4.53	5.09	17.39	2.85	6.98	3.15	5.00	56.46
Homestead	0.31	0.00	0.55	3.46	8.50	5.98	10.36	6.60	8.66	5.02	10.49	1.89	61.82
Huntington	.....	.....	.....	.....	.....	6.11	6.53	.....	.....	.....	.....	.....	.....
Hypoluxo	.....	0.00	0.72	2.81	10.30	2.77	3.32	5.12	5.77	7.62	.....	1.34	.....
Inverness	2.00	0.00	2.25	1.71	8.51	3.11	10.00	4.64	3.15	4.05	4.24	4.57	48.23
Jacksonville	0.89	0.13	2.16	0.36	3.33	2.96	2.35	10.16	0.90	5.26	2.68	4.20	35.38
Jasper	1.75	0.34	4.04	1.40	4.51	3.20	5.66	15.35	3.48	8.95	3.01	5.71	57.40
Johnstown	0.78	0.29	1.22	0.41	6.16	4.86	3.94	14.56	2.92	4.35	4.31	4.68	48.48
Jupiter	0.37	0.09	2.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Key West	0.64	0.01	1.84	1.49	2.88	3.89	3.04	7.89	2.05	5.32	6.00	0.62	35.67
Kissimmee	1.04	0.00	3.75	1.78	1.86	5.28	4.23	8.22	3.19	3.78	5.79	2.33	41.25
Lake City	1.05	0.35	1.45	0.76	4.24	4.51	.....	12.59	4.36	5.53	4.53	4.15	.....
Live Oak	1.52	0.15	.....	3.34	9.29	4.30	12.20	.....	.....	9.30	2.16	5.62	.....
Macclenny	0.92	0.15	1.40	0.55	7.29	.....	6.82	17.73	4.55	4.09	3.59	4.35	.....
Madison	2.06	0.25	3.24	2.68	3.88	2.96	7.92	14.28	2.19	3.35	6.17	5.89	54.37
Malabar	0.71	0.06	1.51	3.65	6.33	3.88	4.97	8.00	1.40	4.86	5.49	4.94	45.80
Marianna	3.17	0.48	4.63	4.35	2.09	3.28	6.05	7.84	3.74	6.20	4.50	12.17	58.50
Merritts Island	0.98	0.08	1.60	1.26	4.46	3.23	6.17	6.03	1.82	5.02	8.17	1.76	40.58
Miami	1.62	T.	1.10	10.11	12.12	2.83	4.08	6.27	4.42	3.53	5.94	1.90	54.12
Middleburg	1.05	0.10	1.16	0.27	4.12	2.84	8.24	10.54	2.05	3.52	3.09	3.74	40.72
Molino	2.05	1.05	5.43	8.14	3.45	5.12	5.06	14.80	5.97	4.83	4.90	10.60	71.40
Monticello	2.00	0.36	3.78	3.65	4.17	4.90	7.54	7.85	0.40	8.48	3.97	8.82	55.92
Mount Pleasant	2.26	.....	4.38	3.62	1.78	.....	5.87	5.86	6.50	4.05	2.41	7.72	.....
New Smyrna	0.95	0.04	2.48	0.60	2.72	5.50	3.59	3.31	1.59	3.25	5.83	5.44	35.30
Ocala	1.75	.....	.....	0.53	5.99	3.69	3.52	.....	.....	.....	.....	.....	.....
Orange City	0.82	T.	1.85	4.51	5.19	4.87	6.20	6.21	1.14	3.20	4.46	2.74	41.19
Orlando	0.64	0.06	1.29	2.36	3.07	4.94	6.27	5.66	3.71	4.23	4.73	2.65	39.61
Pensacola	1.80	0.38	2.95	9.96	2.12	3.74	2.65	7.21	2.60	8.63	3.98	8.70	54.72
Pinellas Park	.....	.....	.....	.....	.....	.....	.....	11.16	10.71	11.87	3.96	2.36	.....
Plant City	1.20	0.00	1.95	0.20	2.99	3.81	8.96	11.23	1.50	4.88	3.03	2.70	42.45
Rockledge	0.70	0.00	3.03	0.89	4.06	3.09	2.67	4.14	0.97	5.06	4.71	4.42	33.74
Rockwell	2.00	.....	1.22	1.21	7.11	4.36	4.98	5.98	2.66	3.48	3.54	3.43	.....
St. Andrew	2.66	0.62	2.20	3.01	1.89	4.63	5.11	14.12	8.43	6.30	1.84	10.93	61.74
St. Augustine	1.55	0.00	1.30	0.78	1.02	4.73	1.22	5.48	1.14	5.83	3.80	4.74	31.59
St. Leo	0.91	0.01	1.99	0.20	4.23	6.68	12.17	11.06	2.24	5.64	5.84	3.98	54.95
St. Marks	2.11	0.27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Satsuma Heights	1.24	0.14	0.91	0.44	3.24	4.73	5.19	8.14	3.89	3.28	4.40	4.31	39.91
Switzerland	1.06	1.13	1.34	0.69	0.90	3.08	5.31	.....	.....	6.38	3.10	2.29	.....
Tallahassee	1.93	0.45	4.03	1.95	4.20	5.22	7.36	10.37	2.45	4.45	5.57	8.78	56.76
Tampa	0.76	0.05	2.57	0.81	3.14	4.59	6.46	6.71	7.01	5.06	3.91	2.46	44.13
Tarpon Springs	0.82	0.06	1.65	0.55	5.89	4.66	5.91	14.31	14.27	10.33	4.27	3.84	66.56
Titusville	1.58	0.09	1.95	0.52	5.23	8.47	6.78	7.35	1.78	3.79	5.09	4.82	47.45
Wausau	3.60	0.60	2.69	4.75	2.27	8.66	7.19	11.38	7.28	3.59	3.41	8.84	64.2
Georgia.													
Abbeville	2.42	1.36	2.21	3.08	3.39	3.40	7.91	9.27	3.11	2.79	3.22	8.22	50.38
Adairsville	4.31	3.16	3.18	6.73	2.78	2.80	4.50	3.14	1.02	3.38	4.42	4.58	44.01
Albany	2.63	2.24	3.15	4.24	3.35	1.65	4.25	6.16	4.46	2.93	4.54	10.62	50.32
Allapaha	1.92	1.36	2.95	2.22	4.23	1.58	4.58	8.90	4.20	1.22	2.64	8.47	44.27
Americus	2.02	1.69	1.74	2.88	2.82	2.88	3.02	7.40	0.99	6.15	3.50	7.90	42.99

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Georgia—Continued.													
Athens	2.15	3.32	3.26	6.51	0.73	1.59	7.38	8.52	0.87	5.53	4.35	5.81	50.02
Atlanta	2.09	3.40	2.04	4.62	2.14	1.09	5.52	1.99	1.41	4.81	3.56	4.27	36.94
Augusta	1.51	1.24	2.13	2.31	0.79	6.29	5.27	4.27	1.50	7.46	3.95	6.34	43.06
Bainbridge	1.47	1.04	7.16	3.54	2.45	3.90	5.78	7.43	4.85	2.31	5.54	9.79	55.26
Barnesville	3.24	2.51	2.73	3.06	3.90	1.35	4.26	3.76	0.99	6.19	2.70	7.39	42.08
Blakely	2.04	2.47	4.75	4.49	2.94	1.53	7.60	4.83	.....	4.48	2.52	11.34	.....
Butler	2.56	2.74	2.35	3.38	3.86	2.62	8.31	4.16	4.20	4.72	3.90	6.29	49.09
Camak	1.79	1.24	2.76	2.33	0.52	2.98	6.10	10.56	5.54	6.65	.....	6.28	.....
Canton	3.51	3.64	4.27	6.35	1.37	2.08	7.10	5.33	1.83	8.85	5.89	5.10	55.32
Carlton	1.38	3.61	2.84	4.92	1.73	0.32	6.12	4.24	2.18	5.34	3.72	6.23	42.63
Clayton	5.22	3.49	3.59	11.21	4.39	3.13	4.98	7.92	7.17	7.48	5.84	9.20	73.62
Columbus	3.37	3.48	1.86	3.73	2.45	0.85	4.88	3.73	2.61	3.20	4.11	6.93	41.15
Covington	2.38	4.03	3.28	4.38	3.15	1.28	3.30	5.05	2.55	9.15	4.03	6.90	49.48
Cuthbert	3.02	1.80	3.25	.....	2.59	1.37	6.50	4.40	1.72	3.61	3.13	10.28	.....
Dahlonega	4.27	3.65	4.05	9.80	2.60	2.67	4.09	2.78	3.22	8.63	6.40	6.85	59.01
Diamond	5.63	4.66	3.09	8.32	2.14	1.94	8.88	2.68	2.89	4.65	4.88	4.09	53.85
Dublin	2.46	1.46	3.39	4.07	1.79	3.57	7.63	5.76	6.21	3.65	4.28	8.52	52.70
Eastman	1.67	1.56	2.17	3.21	4.05	4.60	3.76	6.64	7.64	1.83	3.37	+	.....
Eatonton	1.98	1.38	3.65	3.49	1.29	1.87	.....	6.27	2.99	4.32	2.36	7.00	.....
Elberton	1.65	3.73	2.86	6.48	1.06	0.97	4.78	3.50	2.99	6.25	3.74	7.33	45.34
Experiment	2.62	2.40	2.21	3.55	1.76	0.76	3.90	4.13	2.38	4.36	2.86	.....	.....
Fort Gaines	2.50	2.07	3.39	4.53	2.51	4.95	7.50	7.21	1.50	2.05	4.40	8.29	50.60
Gainesville	3.54	2.41	3.07	6.84	0.83	0.95	4.83	2.62	3.17	4.38	4.81	7.03	44.48
Gillsville	2.09	2.72	2.49	4.66	0.90	1.79	3.40	2.90	.....	.....	.....	.....	.....
Glennville	1.30	1.00	2.36	2.79	1.26	2.88	4.46	8.55	8.59	4.93	1.87	4.78	44.77
Gore	4.78	3.29	3.94	9.22	2.94	1.71	6.11	1.71	3.73	4.49	4.77	6.41	53.10
Greensboro	1.60	2.57	3.66	3.66	1.48	2.81	5.11	5.82	0.79	7.47	3.53	6.58	45.10
Griffin	2.07	3.10	2.81	4.13	2.05	1.23	2.90	7.08	3.08	4.19	3.75	5.06	41.45
Harrison	2.48	1.73	3.48	3.39	1.08	6.80	5.58	4.23	4.92	4.90	4.14	7.00	49.73
Hartwell	.....	.....	.....	.....	.....	.....	.....	3.31	5.19	3.47	4.28	3.50	.....
Hawkinsville	1.89	1.38	1.70	2.86	1.94	5.65	2.53	3.62	3.58	2.83	3.03	7.69	38.70
Helena	1.56	1.25	1.95	2.40	1.69	4.04	6.61	16.20	.....	.....	.....	.....	.....
Lafayette	.....	5.60	4.39	10.97	2.50	2.80	.....	.....	.....	.....	.....	.....	.....
Lisbon	1.12	2.57	2.47	2.96	0.54	2.90	6.44	4.33	3.28	4.01	2.49	5.72	38.83
Lost Mountain	4.06	3.23	2.54	7.63	1.48	2.71	5.72	1.78	1.95	3.15	3.48	5.47	43.20
Louisville	1.62	1.79	2.78	3.04	0.53	4.60	2.62	3.57	2.55	5.32	3.89	6.87	39.18
Lumber City	1.52	1.15	2.95	2.67	1.11	2.64	4.74	21.27	3.67	2.61	3.90	4.96	53.19
Lumpkin	2.95	1.69	1.74	5.18	2.14	1.85	3.69	4.73	0.65	2.44	3.78	5.55	36.39
Macon	2.03	2.38	2.78	2.91	2.31	1.37	4.20	4.15	3.81	5.96	2.94	7.13	41.97
Marshallville	2.41	2.48	2.97	3.98	2.63	5.37	6.79	5.85	2.81	8.70	3.03	11.38	58.40
Milledgeville	2.14	2.29	2.58	3.00	1.37	2.12	5.66	7.47	2.69	7.52	3.49	7.15	47.48
Millen	1.15	1.22	3.50	3.70	0.59	2.62	3.65	8.57	2.21	6.70	3.60	7.45	44.96
Mineral Bluff	.....	.....	.....	.....	1.30	2.56	5.02	4.74	3.32	3.66	3.44	4.82	.....
Montezuma	3.24	1.90	1.76	4.06	3.09	1.83	4.93	4.65	1.11	6.47	3.05	8.23	44.92
Monticello	2.77	2.44	3.36	5.18	2.08	1.57	5.34	5.98	1.58	8.55	2.89	5.73	47.47
Morgan	2.63	1.88	2.97	4.08	1.76	3.39	3.64	.....	2.62	.....	.....	.....	.....
Moultrie	.....	.....	2.88	2.83	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newnan	2.45	5.32	4.40	5.32	1.34	1.80	9.77	1.90	1.43	4.32	7.91	9.27	55.23
Norcross	2.30	3.94	2.91	6.43	2.10	2.37	5.50	1.86	0.28	4.08	5.26	5.26	42.29
Point Peter	1.60	4.30	3.35	5.70	1.67	0.31	6.92	5.14	2.58	7.18	4.16	7.11	50.02
Poulan	2.15	1.61	2.99	3.77	4.54	2.28	6.23	8.02	3.71	2.65	1.85	8.53	48.33
Putnam	3.00	1.50	1.40	3.95	2.35	1.30	6.36	4.05	3.60	4.10	3.30	.....	.....
Quitman	2.03	0.81	4.65	4.29	4.92	4.93	5.19	12.31	2.81	5.15	4.75	6.14	57.98
Ramhurst	4.58	4.58	2.68	5.78	1.29	2.20	4.73	3.70	1.52	5.05	4.07	4.51	44.69
Resaca	4.27	3.73	2.24	7.58	2.51	2.99	3.47	2.64	0.82	3.70	3.45	4.89	42.29
Rome	4.62	3.72	3.33	5.89	3.03	4.88	6.88	4.03	1.67	3.48	5.28	5.39	52.18
St. George	0.24	0.08	7.29	2.42	3.32	3.27	4.10	24.17	3.68	3.11	6.36	4.86	62.90
St. Marys	.....	0.20	4.29	2.34	2.70	2.03	4.36	11.59	2.09	10.13	3.07	5.46	.....
Savannah	1.03	0.70	1.35	2.99	0.13	6.11	3.89	5.77	4.00	4.58	1.23	4.89	36.17
Statesboro	0.77	1.04	2.76	2.82	1.46	6.17	2.98	6.33	3.57	3.88	3.05	4.66	39.49
Talbotton	3.33	2.59	3.26	3.60	4.14	1.22	4.04	.....	1.68	5.68	4.30	7.77	.....
Tallapoosa	4.90	3.20	3.08	6.00	2.15	2.62	9.09	4.21	1.16	3.54	4.60	3.54	48.09
Thomasville	1.82	0.51	4.65	3.44	2.50	4.30	7.61	3.87	2.52	4.90	2.53	7.54	46.19
Tifton	.....	1.26	2.17	2.90	4.20	2.00	3.13	6.91	4.70	3.05	2.78	.....	.....
Toccoa	3.52	2.61	4.73	8.57	1.16	1.74	7.17	7.10	3.39	4.84	5.47	6.79	57.08
Valdosta	1.65	0.70	4.37	3.09	3.45	4.46	7.73	16.20	2.35	3.85	5.40	6.75	60.00
Valona	0.95	0.60	4.00	3.56	.....	3.14	2.53	9.00	.....	10.63	3.15	.....	.....
Washington	1.71	3.45	3.87	3.42	0.60	5.35	7.95	4.76	4.46	8.70	3.85	7.96	55.68
Waycross	1.60	0.90	2.36	2.06	0.71	4.40	5.39	8.20	4.27	3.50	6.04	4.93	44.36
Waynesboro	1.41	1.39	3.03	1.94	0.49	3.37	6.11	5.84	4.70	5.80	4.95	6.00	45.03
West Point	3.40	2.88	2.37	4.89	3.53	1.77	6.12	4.02	2.24	2.11	3.84	7.61	44.78
Woodbury	.....	.....	2.21	2.45	3.40	2.97	7.03	4.87	1.43	4.22	3.13	6.25	.....
Idaho.													
Albion	.....	.....	.....	.....	.....	.....	.....	T.	0.53	3.13	1.78	.....	.....
Almo	.....	.....	.....	.....	1.02	4.06	0.41	0.02	0.97	1.15	1.08	0.25	.....
Alpha	.....	.....	1.38	1.95	2.55	.....	.....	.....	.....	.....	.....	.....	.....
American Falls	3.70	0.56	0.84	0.85	1.93	1.82	0.04	T.	0.56	3.09	2.23	.....	.....
Arrowrock	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.09	.....
Blackfoot	3.26	0.47	0.36	0.56	1.92	2.51	T.	T.	0.78	1.73	2.20	0.63	14.42
Blackfoot Dam	3.22	.....	1.14	1.70	3.16	4.06	0.18	0.00	1.46	1.15	2.07	1.20	.....
Bock's Ranch	4.57	0.76	0.95	1.50	0.03	3.51	0.06	0.00	0.23	0.76	3.53	1.03	16.83
Bogus Creek	3.33	1.08	0.91	2.77	4.15	3.99	T.	T.	0.24	3.33	3.17	1.72	24.69
Boise	2.32	0.72	0.58	1.59	2.57	2.55	0.05	T.	0.04	2.45	1.70	0.78	15.35
Bonners Ferry	2.26	0.80	0.89	0.71	2.37	1.51	0.15	2.17	2.20	0.16	2.78	0.57	16.57
Boulder Mine	4.38	2.71	1.25	2.36	4.43	5.56	0.04	T.	0.33	2.58	4.73	2.21	30.58
Buhl	.....	0.52	0.75	0.86	1.97	2.34	0.18	T.	T.	1.50	0.14	0.60	.....
Caldwell	1.72	0.89	0.19	1.03	1.13	1.44	0.23	T.	0.12	1.09	1.29	0.82	9.95
Camas	0.68	0.62	0.19	0.99	0.41	1.29	0.10	0.04	.....	1.98	0.63	1.00	.....
Cambridge	2.59	0.84	0.86	0.64	1.87	3.57	0.00	0.00	T.	.....	1.71	2.03	.....
Cedar Creek Dam	.....	1.70	0.98	1.74	1.54	2.03	0.44	0.10	0.25	1.28	2.12	0.76	.....
Chesterfield	3.11	0.59	0.57	0.89	1.09	2.16	0.08	0.00	2.23	1.85	1.85	2.07	16.49
Clyde	.....	.....	.....	.....	1.55	2.25	0.19	T.	1.08	.....	.....	.....	.....
Coeur d'Alene	.....	1.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Council	.....	.....	.....	.....	.....	.....	T.	T.	0.20	.....	.....	.....	.....
Culdesac	2.14	1.82	0.77	0.60	5.63	1.28	0.00	0.10	1.31	2.02	1.49	0.85	18.01
Deary	.....	.....	.....	.....	4.42	.....	.....	.....	.....	.....	.....	.....	.....

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Idaho—Continued.													
Dent	1.92	.....	.....	0.99	5.78	2.74	0.05	0.48	1.83	1.68	5.14	.....	.....
Driggs	3.63	0.21	0.56	0.71	3.32	2.80	T.	0.16	0.84	1.48	1.46	0.98	16.15
Edie	1.07	0.09	T.	0.91	2.52	5.05	0.09	0.68	.....	.....	.....	.....	.....
Emmett	1.73	0.43	0.29	0.93	2.47	2.62	T.	.....	.....	0.95	1.72	0.64	.....
Forney	0.92	0.22	0.34	1.29	0.18	2.21	0.94	0.27	2.08	0.66	0.71	1.03	10.85
Garden Valley	2.96	0.40	0.99	1.01	2.58	3.43	0.09	0.00	0.14	1.15	2.65	1.97	17.37
Garnet	1.97	0.48	0.53	1.73	1.37	2.15	0.00	0.00	0.00	0.55	0.37	0.43	9.58
Geneva	3.43	0.54	0.29	1.38	0.80	1.33	0.15	0.03	0.43	1.00	2.60	0.63	12.61
Glenns Ferry	3.37	0.51	0.44	0.96	1.86	1.05	0.09	0.00	0.00	0.69	1.23	0.60	10.80
Gooding	3.21	0.43	0.47	1.15	1.77	1.06	0.00	0.00	T.	1.10	2.15	0.09	11.43
Grace	3.72	0.48	0.84	0.98	1.14	1.88	1.03	0.00	2.01	1.79	1.22	0.27	15.36
Grand Forks	4.44	2.92	2.52	1.63	5.18	3.20	0.42	0.94	2.58	.....	.....	2.86	.....
Grandview	1.53	.....	0.34	1.31	0.90	1.12	0.27	0.00	0.00	0.60	0.73	.....	.....
Grimes Pass	4.31	1.33	1.08	2.00	4.08	5.09	0.04	T.	0.55	1.96	3.81	1.95	26.20
Guffey	1.85	0.59	0.57	0.91	1.12	1.78	0.20	0.03	0.05	0.68	1.49	0.41	9.68
Hailey	5.25	1.38	1.03	1.67	2.91	1.53	0.04	T.	0.03	0.95	1.59	1.09	17.47
Hotspring	2.84	0.60	0.64	1.59	1.56	1.63	T.	T.	0.17	1.89	1.03	0.52	12.47
Idaho City	.....	1.29	0.61	1.02	.....	.....	.....	.....	.....	.....	3.56	1.84	.....
Idaho Falls	4.18	0.85	0.63	0.95	2.29	2.67	0.30	0.07	0.67	2.50	1.47	1.30	17.88
Indian Valley	1.95	0.95	1.07	0.92	2.02	3.86	0.00	0.00	0.10	1.32	2.50	1.63	16.32
Irwin	5.73	0.61	1.14	1.76	2.46	3.29	.....	.....	1.11	1.94	1.29	1.63	.....
Kellogg	2.77	2.39	1.36	1.37	5.29	2.79	0.60	1.48	1.72	1.17	5.00	1.68	27.62
Kirkham	3.69	1.10	1.27	1.51	3.57	3.77	0.00	0.00	0.35	1.30	3.06	1.95	21.57
Kooskia	.....	0.36	0.63	0.50	5.00	6.09	0.00	0.70	2.00	3.00	1.42	0.92	.....
Lakeview	1.46	1.50	0.93	0.40	3.40	1.58	0.26	1.19	2.26	0.66	3.83	2.94	20.41
Landore	4.70	3.40	1.26	2.04	5.48	3.62	0.06	0.38	0.41	2.63	4.32	3.38	31.68
Lewiston	0.49	0.53	0.37	0.30	1.86	1.13	0.04	0.74	0.52	1.19	0.82	1.07	9.06
Little Camas	4.84	0.87	0.77	1.75	3.05	3.27	T.	0.00	0.07	1.48	3.49	1.20	20.79
Long Gulch	3.01	1.36	0.81	3.06	3.33	3.55	T.	T.	.....	.....	.....	.....	.....
Loon Creek	2.97	0.81	0.95	1.35	2.95	4.44	0.29	0.02	0.54	1.34	1.50	0.41	17.57
Mackay	1.80	0.15	0.22	.....	0.71	0.96	0.06	0.00	0.44	0.18	0.47	.....	.....
Meadows	4.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meridian	2.01	0.79	0.54	0.97	1.89	2.17	0.19	T.	0.13	1.27	1.48	0.60	12.04
Mesa	2.43	1.50	1.91	.....	.....	.....	0.25	0.00	T.	1.24	.....	.....	.....
Middle Fork	.....	.....	.....	0.72	5.46	5.64	0.12	0.32	2.30	3.90	3.70	3.10	.....
Milner	3.76	.....	0.05	1.07	3.10	1.10	0.20	0.00	0.85	1.72	1.67	0.82	.....
Moscow	1.00	1.08	0.37	0.08	2.17	0.80	0.10	0.76	0.86	1.01	1.50	1.16	10.98
Mountainhome	2.60	0.76	0.85	1.16	1.73	1.90	0.07	0.00	T.	.....	.....	0.65	.....
Murtaugh	3.47	.....	0.66	0.29	1.86	1.52	0.34	0.00	0.12	1.95	1.45	0.67	.....
Nezperce	2.80	0.64	0.16	.....	3.88	3.72	0.00	1.00	1.74	2.44	0.74	0.65	.....
Oakley	1.58	0.85	0.55	0.15	1.75	2.76	0.84	0.00	0.30	1.20	1.03	0.20	11.21
O'Hara Bar	.....	1.90	1.75	.....	.....	.....	0.00	1.09	1.76	2.87	4.72	.....	.....
Orofino	1.95	1.63	0.81	1.14	6.20	4.26	0.19	0.59	1.29	1.72	3.45	2.76	25.99
Paris	2.00	1.78	1.18	0.63	1.21	0.74	0.15	0.00	1.12	0.99	1.73	.....	.....
Payette	2.29	0.27	0.24	0.32	1.41	1.17	T.	T.	T.	1.04	1.03	1.97	9.74
Peaceful Valley	1.54	0.53	0.25	1.01	.....	1.38	.....	.....	.....	.....	.....	.....	.....
Pebble	7.50	0.90	2.34	2.07	2.33	1.86	0.49	T.	1.70	2.96	3.70	1.50	27.35
Pierson	4.06	1.50	0.68	3.94	.....	2.63	T.	0.00	T.	2.05	1.73	0.71	.....
Pine	4.49	0.59	1.61	1.51	.....	.....	.....	.....	.....	.....	2.44	3.18	.....
Pleasant Valley	2.01	0.64	0.59	1.13	1.78	2.55	0.28	T.	0.02	1.17	1.36	0.51	12.04
Pocatello	4.28	1.50	1.12	1.58	1.62	3.13	0.47	0.01	0.60	1.74	2.02	0.41	18.48
Pocatello Nursery	.....	.....	.....	1.03	2.11	2.86	0.15	0.00	1.33	2.36	.....	.....	.....
Poplar	.....	.....	.....	.....	.....	.....	0.28	0.00	1.04	2.60	1.20	0.92	.....
Porthill	1.41	0.45	0.95	0.11	1.93	1.46	0.49	1.27	3.94	0.13	2.22	0.98	15.32
Powers Ranch	4.98	2.16	1.06	2.26	.....	.....	.....	.....	.....	.....	4.13	2.24	.....
Pyle Creek	3.20	2.68	0.83	0.94	2.55	3.69	0.20	0.00	0.08	1.40	4.03	1.73	21.33
Rattlesnake Creek	4.15	1.41	1.11	2.19	.....	.....	.....	.....	.....	.....	3.76	1.48	.....
Richfield	3.83	0.42	0.64	1.07	2.12	1.30	0.00	0.00	0.17	0.68	2.14	0.35	12.72
Roseberry	.....	.....	.....	.....	1.42	4.93	0.50	0.15	.....	.....	.....	.....	.....
Roseworth	1.54	0.31	0.48	0.74	1.28	1.44	0.25	0.24	0.06	0.79	0.66	.....	.....
Ruby Creek	5.25	1.72	1.31	2.68	.....	.....	.....	.....	.....	.....	4.96	2.19	.....
Rupert	3.39	0.69	0.72	0.50	0.98	1.30	0.40	T.	0.10	1.68	1.74	0.37	11.87
St. Maries	1.80	1.85	1.65	.....	4.25	2.47	0.35	0.87	1.16	1.01	3.82	2.03	.....
Salmon	.....	0.21	0.01	1.84	0.30	3.29	0.26	0.27	1.31	2.02	1.73	1.56	.....
Salmon River Dam	1.33	0.56	0.70	0.96	1.50	1.89	0.26	0.19	0.13	0.86	1.00	0.20	9.58
Sandpoint	2.43	2.13	1.33	0.69	4.36	0.83	0.18	1.20	2.22	0.53	5.37	2.29	23.56
Sheep Hill	5.06	1.63	0.78	1.48	3.85	2.89	0.10	0.00	0.01	1.00	4.72	2.08	23.60
Shoshone	3.66	0.87	0.43	1.25	1.98	0.84	T.	0.00	0.01	1.01	2.47	0.35	12.87
Silver City	5.22	1.78	0.70	2.03	3.96	2.95	0.36	0.02	0.22	0.93	2.44	1.88	22.49
Smith Prairie	4.85	1.49	1.20	2.06	2.36	.....	.....	.....	.....	.....	3.37	1.56	.....
Smith Ranger Station	2.50	.....	1.16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Soldier Creek	8.26	.....	.....	.....	.....	2.37	T.	0.00	0.01	0.75	3.62	2.53	.....
Spirit Lake	2.75	.....	0.86	0.64	3.79	.....	0.63	.....	2.25	0.71	5.70	5.78	.....
Springfield	3.18	0.64	0.32	1.02	2.03	2.32	0.02	T.	0.26	2.26	1.69	0.67	14.32
Stone	0.55	.....	1.63	0.47	0.38	.....	.....	.....	.....	.....	.....	.....	.....
Sugar	1.24	0.49	0.17	0.68	1.44	2.72	0.11	0.03	1.23	2.45	0.99	0.73	12.28
Sunnyside	1.96	.....	0.48	1.45	1.63	2.34	0.13	T.	T.	0.82	1.32	0.70	.....
Tripod Mountain	2.63	1.22	0.89	1.80	2.91	4.16	0.05	0.00	0.37	2.12	2.49	2.46	21.10
Twin Falls	2.92	0.74	0.49	0.43	1.74	0.83	0.05	0.04	0.10	1.46	1.88	0.78	11.46
Vernon	3.88	1.29	0.44	0.93	2.62	3.02	0.50	0.08	0.95	3.74	1.00	1.38	19.83
Wallace	5.67	3.11	2.28	2.05	4.84	3.58	0.39	2.70	2.04	0.90	7.44	2.15	37.15
Weiser	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.76	0.97	.....
Wendell	3.76	0.18	0.30	1.35	2.00	1.95	T.	0.00	T.	1.31	1.39	0.52	12.76
Weston	4.46	0.96	1.92	1.93	1.10	1.42	0.50	0.00	1.69	1.35	1.51	0.61	17.45
Illinois.													
Albion	1.33	2.09	1.52	5.56	1.14	3.90	1.03	1.92	4.08	2.16	2.92	2.30	29.95
Aledo	1.52	2.99	1.37	3.29	1.98	1.30	3.84	1.85	13.44	2.30	4.06	1.90	40.04
Alexander	1.74	1.26	1.55	4.21	2.25	0.47	1.91	3.58	12.22	2.03	2.47	1.84	35.53
Antioch	0.80	2.88	0.23	5.57	3.10	4.00	1.28	5.73	6.16	4.16	5.29	2.50	41.70
Astoria	2.62	2.27	3.03	3.75	1.14	4.01	2.90	2.26	14.22	2.66	2.33	2.92	44.11
Aurora	1.13	1.70	1.13	2.23	2.31	4.64	2.06	5.84	7.23	3.64	2.78	1.77	36.46
Beardstown	.....	1.70	2.75	4.00	2.43	4.11	3.04	.....	.....	1.60	.....	2.09	.....
Bement	2.35	1.88	2.23	5.59	1.40	1.71	.....	2.45	10.58	2.76	2.53	1.88	.....
Bloomington	1.67	1.51	2.34	2.71	1.73	1.66	2.80	2.46	10.25	2.58	3.71	2.66	36.08
Cairo	1.56	2.66	0.77	5.77	0.22	2.08	1.99	2.82	5.15	1.08	3.30	2.71	30.11

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Illinois—Continued.													
Carbondale	0.55	2.79	1.85	10.59	1.47	2.24	2.60	8.01	5.70	3.69	3.34	2.50	45.33
Carmi	.....	.....	.....	.....	.....	0.86	1.59	3.23	3.79	2.02	.....	.....	.....
Casey	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.57	2.88	.....
Carlinville	1.80	2.14	1.75	4.93	2.49	0.90	2.30	5.76	5.98	3.49	2.18	2.17	35.89
Carlyle	1.50	2.60	3.60	7.85	1.60	2.72	0.95	3.99	8.79	2.59	3.51	2.15	41.85
Charleston	3.46	1.62	2.31	5.30	0.52	1.74	1.47	3.19	10.25	3.54	2.84	1.77	38.01
Chester	0.38	3.12	1.38	6.04	1.86	2.82	1.58	5.96	7.00	4.38	3.37	3.68	40.97
Chicago	1.17	2.27	1.45	3.03	3.37	2.54	2.65	3.72	4.03	3.79	3.27	2.54	33.83
Clinton	2.46	1.51	1.96	4.04	2.63	1.87	2.77	5.09	10.91	3.04	.....	1.95	.....
Cootsburg	2.64	1.56	.....	4.67	1.42	3.22	3.41	1.29	10.79	1.95	2.60	2.60	.....
Cobden	0.65	3.27	2.22	12.07	1.31	3.59	1.60	6.52	6.13	2.11	4.34	2.96	46.77
Dakota	0.50	2.20	0.37	3.51	2.97	4.95	1.40	8.03	5.78	3.52	4.04	.....	.....
Danville	2.68	1.67	1.93	3.67	0.73	1.85	0.97	3.73	5.91	3.54	3.36	1.76	31.80
Decatur	2 67	1.50	1.83	5.11	3.60	2.44	1.45	4.08	12.00	2.59	3.31	1.41	41.99
Dixon	0.73	3.52	0.67	3.73	2.69	3.64	3.38	6.62	6.77	2.08	5.47	1.47	40.77
Duquoin	0.89	4.02	1.38	8.52	1.86	1.87	1.91	3.55	10.26	3.02	2.68	2.30	42.26
Dwight	1.91	1.84	2.10	4.58	2.79	1.78	1.18	2.08	6.67	4.30	2.57	2.27	34.07
East St. Louis	0.61	2.91	2.40	6.71	2.61	1.99	0.62	3.62	7.16	2.99	3.27	1.21	36.10
Edwardsville	1.33	2.27	2.31	6.58	0.98	1.52	1.73	2.68	10.71	2.80	2.17	1.77	36.85
Elgin	1.26	2.81	0.31	4.29	1.24	1.79	1.86	4.60	5.66	2.55	2.46	1.54	30.37
Equality	1.53	2.23	2.03	10.30	1.19	1.51	2.43	6.97	5.07	2.58	3.06	3.61	42.51
Evanston	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.81	.....
Ewing	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.06	2.08	.....
Fairfield	1.40	2.19	2.00	6.21	1.20	3.89	0.84	2.53	6.80	2.01	2.64	2.91	34.62
Fairview	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.44	.....
Flora	.....	2.20	1.62	5.41	.....	.....	.....	3.92	9.82	2.81	2.91	1.87	.....
Galva	1.71	2.75	1.27	3.57	1.62	2.81	3.99	2.44	8.29	2.05	2.76	2.39	35.65
Grafton	0.70	2.79	2.46	4.77	1.50	2.08	2.17	3.47	5.49	3.10	3.10	2.37	34.00
Golconda	2.66	2.62	2.13	8.60	0.99	2.92	4.52	5.40	4.75	2.38	4.00	4.30	45.27
Greenville	2.55	3.05	1.91	5.18	0.80	2.38	1.47	4.04	11.66	5.59	3.52	2.55	44.76
Griggsville	1.47	1.97	1.07	4.57	1.21	1.19	2.92	3.68	13.77	3.00	2.15	1.47	39.37
Havana	2.06	2.31	2.11	3.47	1.51	2.99	1.91	1.86	13.14	2.07	2.01	2.06	37.50
Henry	2.10	1.91	1.79	.....	.....	.....	3.25	2.99	7.19	2.24	2.61	2.29	.....
Highland Park	.....	.....	.....	.....	.....	3.08	1.57	6.10	3.82	2.63	.....	.....	.....
Hillsboro	1.93	2.78	1.92	4.95	1.50	1.28	2.78	4.14	7.46	4.08	2.71	1.94	37.47
Hoopeston	3.04	1.97	2.29	4.45	2.26	2.13	3.42	2.92	7.28	4.19	3.54	1.71	39.20
Joliet	1.58	1.62	1.39	4.45	3.65	4.65	2.46	4.54	12.27	4.18	2.87	1.91	45.57
Kishwaukee	0.80	2.56	0.70	5.17	2.55	3.70	1.27	7.04	5.48	2.39	4.57	1.60	37.83
La Grange	1.23	2.88	1.32	3.40	2.44	2.57	2.39	3.45	3.64	3.70	2.90	2.01	31.93
La Harpe	4.17	1.87	1.90	2.94	1.53	1.68	7.17	1.44	11.84	2.06	1.88	2.07	40.55
Lanark	0.46	2.59	0.71	4.48	4.58	3.81	3.42	12.19	6.89	1.45	3.98	1.49	46.05
La Salle	1.78	2.16	1.31	3.37	1.97	3.32	3.16	6.45	7.42	2.40	2.26	2.04	37.64
Lincoln	2.45	1.91	2.32	3.76	1.79	2.43	1.57	2.97	14.31	2.49	1.59	2.31	39.90
Loami	2.89	1.67	1.63	3.96	1.67	1.16	2.16	4.48	15.89	1.92	3.25	2.39	43.07
Macomb	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.09	.....
McLeansboro	0.84	2.72	1.51	7.57	0.86	2.71	1.62	3.17	6.19	1.87	3.07	2.48	34.61
Manteno	.....	.....	.....	.....	.....	3.12	1.80	4.17	8.66	3.40	3.10	2.06	.....
Martinsville	3.20	2.35	4.15	6.07	.....	.....	.....	.....	.....	.....	.....	.....	.....
Martinton	1.43	1.06	1.50	4.12	5.79	1.90	0.80	2.65	9.40	2.99	2.00	1.86	35.50
Mascoutah	0.76	2.89	2.24	6.41	1.68	1.82	1.58	3.70	5.85	3.51	2.68	2.00	35.12
Metropolis	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.94	3.32	3.45	.....
Minonk	2.06	1.80	2.43	3.39	1.32	3.02	2.87	3.49	10.13	3.75	2.11	2.47	38.84
Monmouth	2.53	3.51	2.25	4.12	1.53	2.05	4.12	1.70	20.03	2.38	3.00	1.90	49.12
Montrose	.....	.....	.....	.....	.....	3.51	1.01	5.00	13.64	4.19	.....	2.12	.....
Morris	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.81	.....
Morrison	1.28	3.52	0.82	4.12	2.67	2.19	3.06	6.81	5.57	2.20	5.12	1.90	39.26
Morrisonville	2.49	1.54	1.57	5.79	0.67	3.18	1.59	5.77	8.99	2.32	2.74	1.89	38.54
Mount Carmel	2.26	3.02	1.82	7.10	2.00	4.34	0.88	2.28	5.44	2.80	3.36	2.86	38.16
Mount Vernon	1.23	2.80	1.59	6.25	1.06	2.08	1.44	3.68	7.51	2.62	2.63	3.10	35.99
Nashville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.18	.....
New Burnside	T.	1.84	1.78	11.22	1.78	2.78	3.17	4.09	5.45	2.94	2.14	2.38	39.57
Olney	2.06	2.41	2.10	6.81	1.73	7.93	1.28	2.40	12.23	3.05	3.03	2.62	47.65
Oregon	1.39	2.79	0.77	6.48	1.67	5.61	1.27	9.74	7.57	2.58	5.21	2.45	47.53
Ottawa	1.80	2.13	1.80	3.91	2.84	1.71	1.80	6.28	6.88	2.61	2.28	2.15	35.79
Palestine	2.95	2.56	2.33	5.18	1.42	4.35	2.26	1.78	11.52	4.19	2.26	2.94	43.74
Pana	2.93	2.87	1.91	5.14	1.12	4.63	1.55	4.65	10.87	2.61	2.59	2.03	42.90
Paris	3.50	2.16	2.41	5.74	1.45	3.93	1.79	2.28	11.43	2.57	3.00	1.90	42.16
Peoria	2.37	2.39	2.64	2.69	1.03	6.64	2.58	1.73	12.30	2.65	3.01	2.13	42.16
Philo	2.24	1.76	2.09	4.11	0.84	2.41	2.73	2.63	8.92	3.95	2.82	1.56	36.06
Pontiac	2.06	2.13	2.32	3.70	2.26	2.84	1.52	2.25	11.81	2.68	2.95	2.20	38.72
Quincy	.....	.....	.....	.....	.....	.....	5.02	1.29	15.71	1.76	1.92	2.63	.....
Rantoul	2.73	1.56	2.18	4.53	1.91	1.92	2.26	5.19	7.91	3.11	3.24	1.73	38.27
Riley	0.96	2.10	0.68	3.83	2.64	3.17	1.21	7.35	4.40	2.16	4.70	1.70	34.90
Rileyville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.55	2.70	.....
Roberts	.....	.....	.....	.....	.....	3.90	1.64	1.59	7.77	3.75	.....	1.82	.....
Robinson	2.77	2.24	2.60	5.98	1.72	4.87	2.13	2.66	12.52	4.65	.....	.....	.....
Rockford	0.74	2.95	0.55	5.57	2.98	2.39	0.81	8.70	6.58	2.86	4.30	1.91	40.32
Rushville	2.45	1.62	2.33	3.66	1.77	2.32	3.07	1.91	14.65	2.18	2.12	2.89	40.97
St. Charles	1.28	2.72	1.40	3.99	2.02	2.78	1.66	7.18	6.91	2.81	3.82	2.10	38.67
St. Peter	1.57	1.86	2.31	5.40	0.95	2.83	0.72	1.93	9.50	4.40	3.00	2.53	36.99
Sparta	1.17	2.52	2.08	7.98	1.46	0.91	1.67	3.92	6.74	3.71	2.71	2.72	37.59
Springfield	2.34	1.73	1.86	4.40	1.18	3.44	4.87	3.37	10.68	2.00	3.10	1.86	40.83
Streator	2.22	1.91	1.77	3.50	2.33	4.24	2.44	4.20	6.77	.....	2.86	2.17	.....
Sullivan	3.32	2.20	2.16	6.24	3.21	1.29	1.90	4.62	13.23	3.42	3.02	1.33	45.94
Sumner	1.90	2.31	1.74	6.45	1.52	6.26	0.56	1.80	14.60	2.44	2.39	2.10	44.07
Sycamore	1.47	1.94	0.74	3.21	2.56	2.56	2.65	4.88	6.16	2.91	3.74	1.78	34.60
Tiskilwa	.....	.....	1.04	3.44	1.55	2.22	3.27	4.78	6.27	1.71	2.05	2.10	.....
Tuscola	2.38	1.81	2.07	4.80	0.69	3.49	2.14	3.19	9.27	3.27	3.00	1.59	37.70
Urbana	2.27	1.19	1.85	3.59	2.44	0.82	0.62	3.35	8.90	3.10	2.83	1.35	32.31
Walnut	1.25	2.26	0.78	3.66	2.60	4.56	3.11	5.64	7.80	2.90	3.76	1.95	40.27
Warsaw	2.52	3.39	1.40	4.56	0.32	0.16	5.26	1.63	7.57	2.17	2.35	2.16	33.49
Waterloo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.79	1.66	.....
White Hall	3.63	2.67	1.98	3.97	1.10	1.28	3.12	5.69	8.13	2.51	2.94	2.20	39.22
Windsor	2.22	1.91	1.87	4.50	4.46	1.49	1.92	4.18	14.76	3.78	2.80	1.56	45.45
Winnebago	0.91	3.13	0.61	5.42	2.75	3.20	1.09	7.58	7.57	3.32	4.65	2.10	42.33
Yorkville	1.16	2.07	0.61	4.31	3.05	5.57	2.05	4.23	10.16	4.04	2.08	2.46	41.79
Zion	0.20	2.64	1.02	6.37	3.26	3.12	5.29	9.72	4.26	2.21	3.41	1.56	43.06

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Indiana.													
Anderson	3.06	1.13	2.01	4.50	2.00	1.68	2.19	2.46	4.14	4.92	3.28	2.14	33.51
Attica	3.78	1.80	1.68	3.35	0.71	3.59	4.50	2.86	6.04	3.44	3.20	1.86	36.81
Auburn	2.17	2.11	0.69	4.64	1.41	6.18	2.85	2.80	3.05	2.92	3.67	1.93	34.42
Berne	3.35	1.29	1.53	5.22	1.37	3.19	2.91	4.86	3.15	3.25	2.80	3.23	36.15
Bloomington	4.91	2.71	4.06	7.36	3.97	3.16	0.66	4.03	9.63	4.33	2.95	4.33	52.10
Bluffton	3.11	1.22	1.61	4.40	2.48	3.53	0.65	6.76	3.99	3.25	3.18	3.22	37.40
Butlerville	5.32	2.34	3.62	9.56	4.90	3.26	0.89	3.33	8.69	6.81	4.88	5.67	58.67
Cambridge City	3.21	1.39	3.27	5.57	1.62	5.53	1.28	3.34	3.56	5.30	3.40	3.66	41.13
Collegeville	3.19	2.92	1.68	5.57	2.43	1.48	5.16	3.36	8.04	5.82	3.73	2.75	46.13
Columbus	3.61	1.62	3.90	6.47	2.02	3.01	0.68	4.03	10.63	4.66	2.66	2.86	46.15
Connersville	2.97	1.19	3.07	4.39	0.50	1.99	0.80	2.32	4.67	2.86	2.50	2.31	29.57
Crawfordsville	2.35	0.87	1.94	5.85	1.31	1.70	2.34	3.08	4.02	3.38	3.23	2.28	32.35
Delphi	3.61	1.71	1.90	4.12	3.14	1.46	3.32	3.19	5.11	3.67	3.13	1.88	36.24
Elkhart	1.50	1.00	2.30	4.58	2.06	4.91	4.12	2.69	2.48	3.90	3.52	1.90	34.96
Eminence	3.32	1.29	2.61	5.70	1.83	1.55	2.06	2.14	7.42	.....	3.22	2.97	.....
Evansville	1.61	1.84	1.26	9.39	1.30	4.30	0.86	4.92	3.25	1.64	3.66	3.33	37.36
Farmersburg	2.67	1.57	2.13	5.93	1.08	3.27	1.00	0.72	10.90	2.79	1.88	2.50	36.44
Farmland	3.24	1.42	1.92	4.54	1.69	5.12	1.07	4.53	5.04	4.16	3.26	2.60	38.59
Fort Wayne	1.89	1.42	1.48	4.05	2.46	4.41	2.19	2.91	3.30	3.51	3.75	2.93	34.30
Greenfield	2.67	1.01	0.99	3.23	2.30	4.75	0.61	0.78	4.84	4.34	2.81	1.24	29.57
Greensburg	.....	.....	.....	.....	.....	.....	1.08	1.98	8.24	3.18	3.40	2.77	.....
Hammond	1.23	2.08	1.31	4.02	2.54	4.14	1.50	2.95	5.97	4.44	1.92	2.49	34.59
Howe	1.85	1.41	1.86	3.50	2.09	6.49	2.36	2.82	3.48	3.72	2.31	2.18	34.07
Huntingburg	2.68	2.20	2.22	9.44	1.79	4.22	2.48	2.86	6.40	1.98	4.06	3.32	43.65
Huntington	2.95	1.68	1.53	4.31	3.59	4.37	1.51	4.43	4.37	4.31	3.81	2.68	39.54
Indianapolis	2.98	1.28	2.89	4.77	0.91	2.20	2.35	1.16	4.67	4.03	3.54	2.54	33.32
Jeffersonville	2.10	2.60	2.31	5.32	2.25	2.69	2.01	2.69	3.98	3.27	3.69	4.39	37.30
Judyville	3.04	1.36	2.55	4.38	0.62	2.37	1.49	4.41	6.62	3.68	2.72	1.32	34.56
Knox	1.76	2.41	2.30	5.55	2.94	5.94	2.46	2.79	6.11	5.17	3.79	1.85	43.07
Kokomo	2.96	1.36	1.45	4.54	2.46	3.64	2.17	3.64	4.48	3.85	3.44	2.31	36.30
Lafayette	3.38	1.94	1.70	3.82	2.21	2.24	2.96	2.71	4.83	2.88	3.08	1.85	33.58
Laporte	1.86	2.26	1.51	4.41	3.07	5.73	2.62	.....	4.03	4.65	3.94	1.92	.....
Laurel	.....	.....	.....	.....	.....	5.81	1.27	2.02	5.65	2.96	2.52	2.51	.....
Logansport	3.08	1.63	1.57	4.21	2.85	5.99	3.43	4.45	7.40	4.03	3.77	2.00	45.01
Madison	3.22	2.13	3.74	6.85	2.30	5.40	1.65	2.96	5.56	8.30	3.57	4.00	49.68
Marengo	2.84	2.86	2.66	7.11	3.52	5.60	0.46	2.81	4.34	4.25	4.15	4.20	44.80
Marion	3.87	1.55	1.83	4.16	0.99	4.76	1.07	5.08	6.34	4.07	3.71	3.39	40.82
Mauzy	4.03	1.27	3.61	4.78	2.39	3.33	1.72	2.15	4.85	3.22	2.98	3.16	37.49
Monticello	5.39	2.61	1.80	4.85	3.25	2.17	2.27	2.49	5.34	5.22	3.11	1.82	40.32
Moores Hill	3.73	2.01	3.09	7.00	2.17	4.51	1.71	2.71	11.23	5.90	2.74	3.71	50.51
Mount Vernon	1.43	2.15	2.15	6.92	3.36	3.61	0.83	6.33	3.64	1.50	2.66	3.37	37.95
Paoli	2.33	2.05	1.74	5.79	3.65	3.36	0.64	3.97	7.69	3.78	2.75	2.95	40.70
Plymouth	1.92	1.74	1.88	4.58	2.55	5.58	1.22	3.42	4.70	4.73	4.10	1.85	38.25
Princeton	1.19	2.75	1.40	6.30	0.98	2.20	1.05	3.07	4.83	2.42	3.32	2.98	32.49
Richmond	3.29	1.34	3.01	4.24	2.12	4.73	0.66	4.44	2.98	5.03	2.62	3.07	37.53
Rochester	2.56	2.10	1.74	3.61	3.17	4.73	1.89	3.04	4.01	3.76	4.50	1.77	36.88
Rockville	2.69	1.07	1.86	4.28	0.85	3.28	2.04	2.56	8.38	2.84	2.94	.....	.....
Rome	2.51	3.00	1.25	7.24	1.52	4.56	1.39	4.35	3.84	3.06	4.54	4.24	41.50
Salamonia	2.54	1.12	1.64	4.17	1.49	3.81	1.47	6.50	4.81	.....	.....	.....	.....
Salem	3.21	2.43	2.54	6.15	4.38	3.64	2.23	2.23	6.61	3.81	4.61	4.47	46.31
Scottsburg	2.86	2.50	3.52	7.31	2.63	3.53	3.58	3.05	4.80	5.57	3.51	3.58	46.44
Seymour	4.18	2.67	3.27	6.88	4.56	3.57	2.45	1.63	8.25	5.78	3.57	3.52	50.33
Shelbyville	3.78	1.14	3.15	5.40	2.46	4.17	1.16	1.85	7.27	3.73	3.62	3.52	41.25
Shoals	2.56	2.15	2.48	.....	3.33	3.84	.....	.....	9.27	4.05	3.95	3.13	.....
South Bend	1.81	1.79	1.86	3.78	1.70	4.34	2.57	4.21	3.36	4.74	4.98	1.71	36.85
Terre Haute	3.78	2.36	2.89	6.87	0.46	2.09	2.41	1.31	11.20	2.38	3.80	3.18	42.73
Veedersburg	2.57	1.86	1.84	3.59	1.08	1.29	2.33	2.77	4.38	3.29	2.85	1.67	29.52
Vevay	3.70	1.25	3.40	10.60	4.97	5.15	1.50	7.50	8.85	9.20	5.90	7.80	69.82
Vincennes	3.18	2.35	2.20	6.30	4.85	4.45	2.15	1.80	14.80	2.85	3.82	3.35	52.10
Washington	3.48	1.92	.....	.....	.....	4.04	2.25	1.73	10.51	4.10	3.14	2.98	.....
Whitestown	3.08	1.54	2.83	5.90	2.38	2.22	1.27	2.99	4.86	4.64	3.58	2.84	38.13
Whiting	1.23	1.56	1.31	4.13	3.47	3.14	1.16	2.87	5.10	5.36	2.31	1.82	33.46
Winona Lake	2.00	1.42	1.58	4.33	2.14	7.95	1.55	2.38	4.60	4.41	5.28	2.07	39.71
Worthington	3.74	2.32	2.57	5.76	2.10	3.48	1.30	1.76	7.95	3.38	3.55	3.20	41.11
Iowa.													
Afton	0.75	4.52	1.39	2.79	2.00	0.17	0.89	2.33	3.76	2.65	0.94	3.36	25.55
Albia	1.17	5.30	1.94	2.94	4.52	0.33	1.86	1.07	10.21	3.22	1.62	2.93	37.11
Algona	0.80	1.20	0.27	2.09	5.17	1.19	1.41	1.43	4.58	3.35	0.31	3.07	25.77
Allerton	1.13	4.96	1.40	3.25	1.80	1.21	1.41	2.10	6.85	3.63	1.98	2.75	32.47
Alta	0.59	1.39	0.47	3.42	3.27	4.06	2.04	2.79	4.74	3.81	0.44	2.88	29.92
Alta (near)	0.52	1.32	0.41	3.91	2.64	4.48	2.46	4.13	5.64	2.27	0.28	2.62	30.68
Alton	0.82	1.30	T.	2.36	2.16	1.71	1.89	4.11	2.94	3.64	.....	2.22	.....
Amana	0.92	4.34	1.01	4.03	4.35	2.41	5.28	3.58	6.78	2.19	1.95	2.55	39.39
Ames	1.09	1.68	0.57	3.65	7.04	2.05	0.61	3.28	7.18	4.10	1.25	2.95	35.45
Atlantic	0.35	2.69	0.86	3.40	4.32	0.31	0.89	3.95	2.14	1.85	0.53	3.40	24.69
Audubon	.....	2.61	0.63	3.55	3.59	0.42	0.76	1.83	4.92	2.47	0.70	3.01	.....
Baxter	0.90	2.42	0.87	3.00	4.60	1.07	1.74	2.05	5.61	4.55	1.50	2.38	30.69
Bedford	0.57	4.80	1.17	1.33	3.35	0.76	0.68	1.88	4.60	3.41	1.45	2.13	26.11
Belle Plaine	1.26	4.20	0.88	3.55	4.04	3.68	4.26	2.76	5.92	3.59	2.08	2.21	38.43
Belmond	1.29	1.40	0.83	2.20	4.61	2.51	1.44	3.56	3.86	3.19	0.95	0.33	28.58
Bloomfield	1.26	1.17	1.52	.....	3.35	0.24	1.61	1.13	13.73	3.11	2.45	0.83	.....
Bonaparte	2.16	3.34	1.97	2.96	2.61	0.91	3.75	2.47	12.55	2.46	2.61	1.64	39.43
Boone	0.92	2.66	0.36	2.57	6.07	2.66	0.71	2.74	4.42	4.47	1.01	2.44	31.03
Britt	0.53	1.10	0.48	2.09	5.17	2.03	1.46	2.55	4.54	3.04	0.62	2.49	26.10
Buckingham	0.49	2.55	0.46	2.42	5.62	2.00	1.77	3.79	6.89	3.19	1.45	1.92	32 55
Burlington	3.73	3.09	2.78	4.21	1.23	1.85	3.74	3.85	13.17	2.27	3.74	3.11	46 77
Carroll	0.45	1.23	0.61	3.02	3.05	2.00	0.24	3.47	2.29	4.58	0.18	3.06	24.18
Cedar Rapids	0.46	3.57	1.28	5.09	3.64	2.57	4.00	5.00	4.65	3.88	2.12	1.94	38.20
Centerville	0.77	3.68	2.00	3.50	4.12	0.13	2.36	1.37	6.83	3.30	3.34	3.97	35.37
Charlton	1.52	4.71	1.31	2.90	4.57	1.78	0.52	0.44	6.35	2.54	1.30	1.95	29.89
Charles City	0.86	2.06	0.98	2.79	5.87	1.49	3.03	4.62	4.11	2.81	1.35	3.12	33.09
Clarinda	0.56	4.06	1.15	3.37	4.74	0.76	1.07	2.51	2.69	3.89	1.09	2.62	28.51
Clear Lake	0.55	0.53	1.08	1.45	3.83	1.28	1.90	4.51	3.43	2.45	.....	1.25	.....
Clinton	1.33	4.08	1.43	5.33	2.15	1.69	3.44	5.73	5.25	1.63	4.53	1.76	38.35
Columbus Junction	1.59	4.48	1.08	3.53	2.26	2.25	5.82	3.82	7.40	2.58	4.43	2.05	41.29
Corning	0.50	4.43	1.11	2.36	3.85	1.01	2.07	2.49	3.56	2.15	0.77	2.89	27.24

LIBRARY OF ALEXANDER GRAHAM BELL

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Iowa—Continued.													
Corydon	1.05	4.69	1.23	3.08	.....	1.36	1.41	1.32	5.94	3.89	.....	2.49	.....
Council Bluffs	0.20	2.46	1.23	2.22	4.05	1.39	1.11	1.47	3.07	1.84	0.60	4.20	23.84
Creston	0.51	4.70	1.38	2.92	2.88	0.29	0.89	1.54	3.20	3.29	1.23	2.77	25.60
Cumberland	0.40	2.64	0.30	3.65	2.86	0.27	0.63	3.93	3.85	0.77	0.51	3.45	23.06
Davenport	1.41	4.10	1.08	3.63	2.25	2.00	5.12	4.92	5.13	1.57	3.84	1.52	36.57
Decorah	1.80	1.40	0.68	2.19	5.69	1.41	3.59	8.17	2.98	5.72	1.75	2.64	38.02
Delaware	0.41	2.90	0.78	3.48	5.33	3.17	5.31	7.64	2.83	5.43	3.23	2.10	42.61
Denison	0.21	1.65	0.83	1.81	2.94	2.30	0.50	3.82	3.11	1.97	0.37	3.28	22.79
Des Moines	0.84	2.91	1.14	4.23	2.44	0.75	1.16	1.82	7.68	2.61	1.22	3.18	29.98
Dubuque	0.72	4.09	0.52	3.17	2.84	2.83	4.41	8.74	3.56	2.34	3.04	1.95	38.21
Earlham	1.05	3.06	1.47	4.72	3.25	0.43	1.41	3.49	3.50	2.52	0.86	3.16	28.92
Elkader	1.15	2.34	0.56	2.92	5.69	2.83	6.62	5.41	5.04	4.34	2.31	1.75	40.96
Elliott	0.20	3.92	1.03	3.34	3.23	0.63	0.81	2.05	1.99	2.68	0.47	1.96	22.31
Elma	0.76	1.17	1.10	1.86	5.02	1.64	3.63	7.76	3.16	5.87	1.85	2.58	35.40
Estherville	0.75	1.00	T.	2.72	2.76	0.90	2.06	4.31	4.46	5.23	0.90	1.62	26.71
Fairfield	.....	4.90	1.37	3.64	2.55	0.63	.....	0.45	7.27	2.38	3.82	2.46	.....
Fayette	0.88	3.11	1.10	2.75	8.73	1.93	3.39	6.32	4.97	4.77	1.77	2.60	42.32
Forest City	0.90	0.88	0.25	2.22	4.62	1.09	1.86	2.40	4.83	3.47	0.48	3.85	26.85
Fort Dodge	0.75	1.13	0.35	1.59	4.71	3.65	0.61	2.51	8.38	3.64	0.44	.....	.....
Fort Madison	2.11	2.61	4.84	3.32	2.79	0.67	4.82	2.60	13.21	1.71	3.08	0.92	42.33
Gilman	0.80	4.77	.....	3.00	4.29	2.52	2.63	2.99	4.89	5.75	.....	2.27	.....
Grand Meadow	0.80	2.40	0.98	2.29	5.65	2.76	2.92	6.14	3.54	5.82	2.35	2.54	38.19
Greenfield	0.11	3.58	1.13	4.66	5.09	1.14	1.53	4.93	2.37	2.65	1.02	2.25	30.46
Grinnell	1.13	4.29	1.22	4.45	3.47	1.75	3.30	3.09	7.08	3.57	1.91	2.46	37.72
Grundy Center	0.50	2.10	0.66	2.73	6.38	.....	1.07	5.88	5.59	4.55	1.36	2.42	.....
Guthrie Center	0.88	2.72	0.69	2.84	4.96	0.53	0.66	1.50	.....	4.06	0.66	2.85	.....
Hampton	1.01	2.54	0.83	4.00	5.50	2.03	2.30	3.58	5.12	4.19	1.15	2.39	34.64
Harlan	0.39	2.77	0.69	2.39	5.00	1.39	1.39	2.54	4.02	1.77	0.32	3.19	25.86
Humboldt	0.80	1.59	0.67	1.79	3.49	1.93	0.82	2.12	4.24	3.20	0.60	3.33	24.58
Independence	0.85	2.36	0.56	2.43	5.58	3.28	5.39	5.87	2.52	3.38	1.97	2.02	36.21
Indianola	0.89	4.61	1.63	2.59	2.53	0.17	1.00	2.80	6.94	1.82	1.26	2.22	28.46
Inwood	0.40	1.00	0.20	2.84	1.31	3.12	2.34	3.73	1.89	4.39	0.19	0.62	22.03
Iowa City	0.87	4.82	1.39	3.02	4.74	2.98	3.70	4.27	5.07	2.78	3.01	2.29	38.94
Iowa Falls	1.31	1.58	0.66	2.94	5.21	1.94	1.54	3.60	3.19	3.84	1.01	2.31	29.15
Jefferson	0.50	1.82	0.34	2.20	3.38	1.41	0.08	1.96	2.07	2.69	0.52	3.43	20.40
Keokuk	2.66	2.35	1.79	4.13	0.42	0.65	6.48	1.74	7.67	2.19	2.88	1.87	34.83
Keosauqua	2.25	3.78	1.67	2.87	2.14	0.06	3.41	1.43	10.25	2.56	2.43	2.01	34.86
Knoxville	1.01	4.04	1.63	2.47	3.37	0.90	3.07	1.48	6.80	2.14	1.84	2.50	31.22
Lacona	1.51	5.46	1.67	1.75	3.56	1.22	1.17	2.09	6.26	2.54	1.55	2.66	31.38
Lamoni	0.91	3.68	1.19	4.36	1.60	0.77	2.04	3.02	4.33	5.37	1.00	3.04	31.31
Larrabee	0.55	1.10	0.10	3.25	1.64	2.48	2.24	3.39	3.35	.....	.....	1.85	.....
Le Claire	1.35	3.82	1.30	4.41	2.62	2.61	2.63	6.69	6.16	1.96	4.99	1.74	40.28
Le Mars	0.35	0.97	0.19	2.91	2.25	4.79	1.27	3.46	2.55	3.37	0.42	1.88	24.41
Lenox	0.29	3.05	1.00	2.34	3.34	0.39	1.45	2.01	4.00	2.56	1.47	1.99	23.89
Leon	1.30	4.64	2.18	4.64	2.80	0.78	1.33	1.47	4.18	5.70	1.37	1.81	32.20
Little Sioux	0.40	1.38	0.96	2.53	3.87	2.29	2.52	4.20	1.93	2.86	0.17	3.50	26.61
Logan	0.42	1.61	1.02	3.32	5.44	0.95	0.73	2.42	1.19	3.04	0.23	2.75	23.12
Marshalltown	1.02	3.22	0.79	3.39	6.96	3.01	2.77	2.37	6.83	7.03	1.74	2.07	41.20
Mason City	0.91	1.37	0.82	1.76	5.38	1.53	1.42	4.41	3.53	3.26	0.82	3.03	28.24
Monroe	.....	.....	.....	.....	.....	.....	.....	1.81	7.99	3.57	1.68	2.43	.....
Mount Ayr	1.10	4.25	1.71	2.56	4.07	1.53	1.01	3.05	3.78	2.35	1.91	3.30	30.62
Mount Pleasant	2.60	4.49	2.11	3.74	3.03	1.79	3.53	2.23	10.75	2.35	3.55	2.27	42.44
Murray	.....	4.31	1.17	1.90	3.24	0.47	0.63	2.66	3.53	3.06	1.39	2.88	.....
Muscatine	1.38	3.91	0.95	3.45	2.65	2.33	4.35	3.11	8.58	2.48	4.22	2.02	39.43
New Hampton	0.85	2.29	0.61	3.18	4.74	2.16	2.90	5.27	3.85	4.98	0.90	4.43	36.16
Newton	1.20	3.57	1.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Northboro	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.73	0.66	2.60	.....
Northwood	2.67	2.53	.....	.....	4.46	.....	.....	4.00	2.17	4.56	1.98	4.10	.....
Odebolt	0.38	1.37	0.75	3.31	2.41	2.30	0.71	2.31	4.12	1.78	0.11	3.15	22.70
Olin	0.54	.....	1.02	3.04	4.86	1.83	5.67	4.74	4.19	3.20	2.99	2.52	.....
Onawa	0.53	1.20	0.30	2.97	3.12	1.88	2.27	3.13	2.40	2.34	0.22	3.95	24.81
Osage	1.52	2.20	1.10	2.04	6.29	2.82	4.61	5.94	4.07	4.55	1.19	2.47	38.80
Oskaloosa	0.83	5.25	1.52	3.14	2.63	0.60	2.96	0.83	5.81	1.88	1.40	1.78	28.63
Ottumwa	1.19	4.92	0.70	2.80	1.48	0.24	0.91	0.65	6.22	3.38	0.91	.....	.....
Pacific Junction	0.22	2.94	0.93	1.43	3.46	0.33	1.72	2.11	2.15	1.25	0.15	3.05	19.74
Pella	1.21	4.86	0.94	2.25	3.74	2.88	2.84	1.09	6.94	2.17	1.70	3.20	33.82
Perry	0.60	2.60	0.72	2.86	3.85	0.63	1.21	2.68	3.19	3.63	0.96	2.71	25.64
Plover	0.54	1.40	0.45	3.71	3.56	1.20	1.35	1.66	3.49	4.19	0.35	3.75	25.65
Pocahontas	0.80	1.72	0.53	2.93	3.74	3.05	1.62	1.51	4.60	4.59	0.48	3.41	28.98
Ridgeway	2.43	2.49	1.19	4.55	4.50	2.02	3.81	9.47	4.54	4.81	2.04	4.42	46.07
Rock Rapids	0.50	0.50	0.20	2.03	1.23	1.95	3.81	4.17	4.30	4.58	0.22	.....	.....
Rockwell City	2.26	3.40	0.80	4.15	5.35	4.15	1.05	4.15	9.20	2.65	0.90	2.68	40.68
Sac City	0.60	1.45	0.45	3.64	3.70	5.95	1.53	3.93	5.76	2.82	0.73	3.36	33.92
St. Charles	0.88	4.23	1.55	2.14	2.42	0.17	1.04	2.57	3.75	2.52	1.36	3.07	25.68
Sheldon	2.00	1.30	0.30	2.97	0.91	1.23	4.22	5.00	3.47	5.28	1.07	.....	.....
Sibley	1.56	1.09	0.03	2.18	1.84	2.37	2.17	4.85	3.89	5.18	0.52	1.76	27.44
Sigourney	0.94	4.92	0.98	2.59	3.13	6.28	3.68	0.74	7.51	2.34	2.21	1.46	36.78
Sioux Center	0.60	1.02	0.20	2.77	2.63	1.46	1.64	3.28	2.45	4.50	0.20	2.20	22.94
Sioux City	0.65	1.58	0.38	3.48	1.54	2.12	1.56	2.86	3.14	3.22	0.62	2.87	24.02
Spencer	.....	.....	.....	.....	.....	1.17	0.66	1.75	4.19	2.21	.....	2.30	.....
Stockport	2.17	3.87	1.94	2.88	3.07	0.36	3.96	2.01	9.54	2.11	2.61	2.06	36.58
Storm Lake	0.62	1.35	0.25	3.90	2.48	3.56	2.82	2.11	5.76	2.08	0.36	2.28	27.55
Thurman	0.55	3.71	0.85	3.15	6.23	0.32	0.96	2.19	4.43	2.60	0.53	3.02	28.54
Tipton	1.13	4.74	1.25	4.78	2.52	2.29	4.01	4.45	8.71	1.99	3.79	2.18	41.84
Toledo	1.53	3.26	1.01	2.79	4.89	3.63	2.61	1.74	7.91	6.34	1.73	2.65	40.09
Wapello	1.54	3.81	1.16	3.35	1.94	1.71	3.95	2.73	13.73	1.68	2.90	.....	.....
Washington	.....	3.58	0.59	4.49	2.40	2.09	3.35	1.60	7.36	1.33	2.79	1.65	.....
Washta	0.50	1.48	0.15	3.78	1.66	2.50	2.55	2.62	3.47	2.30	0.17	2.20	23.38
Waterloo	.....	2.88	0.71	2.27	6.27	3.02	4.06	6.33	2.43	5.49	1.19	1.97	.....
Waukee	0.60	3.04	0.91	5.22	3.22	0.35	1.79	1.86	6.45	3.08	1.56	2.41	30.43
Waverly	0.59	2.53	0.74	3.37	4.79	2.32	3.44	6.13	3.56	6.13	1.42	2.42	37.44
Webster City	0.70	2.05	0.23	4.38	5.99	3.90	0.50	2.08	5.03	2.70	0.93	2.60	31.09
West Bend	1.11	1.34	0.38	5.28	1.94	1.33	0.99	1.91	3.17	3.69	0.61	3.44	25.20
Whitten	0.53	1.97	0.75	2.30	7.83	3.32	1.04	5.55	7.56	4.11	1.25	2.50	38.71
Winterset	0.73	3.71	1.61	6.04	2.78	0.26	0.40	3.60	4.99	2.82	1.18	2.51	30.63
Woodburn	0.51	4.84	1.28	1.59	2.88	0.50	0.50	3.04	4.60	3.15	1.17	2.38	26.44

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kansas.													
Abilene	0.38	4.30	0.92	1.02	1.84	0.44	2.83	4.20	2.52	1.46	0.72	1.68	22.31
Agricultural College	0.61	5.78	0.85	1.89	2.18	0.10	2.13	5.52	4.49	1.55	1.05	2.37	28.52
Alden	0.71	4.04	0.11	0.83	3.16	0.67	4.46	1.61	0.99	1.08	1.34	1.77	20.77
Alton	T.	1.34	0.06	1.48	1.54	0.36	4.27	3.56	2.34	0.27	0.22	1.64	17.08
Anthony	0.11	4.61	T.	1.63	6.75	0.15	4.81	4.41	2.36	0.96	1.04	3.13	29.96
Ashland	0.14	5.16	T.	1.36	5.55	2.03	5.08	6.32	3.40	1.25	0.96	2.77	34.02
Atchison	1.60	5.00	0.90	3.31	3.77	0.61	3.45	3.52	7.68	2.24	1.27	1.65	35.00
Beloit	0.14	2.53	0.46	1.32	2.60	0.74	5.17	4.25	3.02	1.34	0.17	1.25	22.99
Blakeman	0.03	0.44	0.01	2.26	1.84	0.44	1.79	2.37	1.78	1.51	0.17	1.05	13.69
Blue Rapids	0.05	3.83	0.78	1.29	0.86	0.63	2.36	4.14	6.84	0.59	0.70	2.08	23.55
Burlington	0.09	4.40	0.56	2.88	2.02	0.10	4.16	3.35	7.41	0.74	1.20	3.60	30.51
Centralia	0.89	5.46	0.92	1.65	1.81	6.41	1.38	5.10	3.81	2.64	0.82	2.20	27.09
Chanute	0.78	8.26	1.99	5.40	4.04	2.20	8.40	6.35	5.97	1.96	1.03	3.64	50.02
Chapman	0.53	5.36	0.77	1.89	2.02	0.13	2.41	4.82	2.34	3.30	1.05	2.71	27.33
Cimarron	.....	.....	.....	.....	.....	.....	.....	.....	0.31	0.82	0.87	1.82	.....
Clay Center	0.01	5.30	0.57	1.25	1.87	0.08	2.41	4.68	4.47	1.00	0.77	2.00	24.41
Colby	0.26	0.66	T.	1.47	1.19	1.15	1.25	1.31	1.28	1.18	0.06	0.84	10.55
Coldwater	T.	4.45	T.	0.81	5.72	0.86	1.22	5.47	2.70	1.11	0.38	3.21	25.93
Columbus	0.48	3.53	2.02	5.66	1.14	2.76	8.57	6.74	4.74	2.16	2.99	2.48	43.27
Concordia	0.01	3.19	0.79	1.78	2.94	0.85	2.77	5.78	3.27	0.35	0.46	2.01	24.28
Coolidge	0.04	1.59	0.60	0.56	1.15	0.60	1.05	2.78	0.00	1.60	0.22	1.16	11.35
Cottonwood Falls	0.22	5.21	0.23	1.99	3.08	0.19	5.18	4.36	4.30	0.99	1.06	2.37	29.18
Council Grove	0.60	.....	.....	.....	2.23	0.48	2.74	3.64	4.93	0.64	0.73	2.13	.....
Cunningham	T.	6.13	T.	0.75	5.19	0.10	3.79	4.65	2.92	1.45	0.74	1.60	27.32
Densmore	0.03	0.96	0.02	1.75	1.83	0.30	6.64	3.43	1.69	0.91	0.05	0.72	18.33
Dodge City	0.22	2.94	0.27	1.01	3.95	0.63	7.29	2.21	0.37	0.63	0.99	1.76	22.27
Dresden	0.22	1.07	0.01	1.48	2.12	0.58	3.91	1.82	1.57	1.43	0.15	1.40	15.76
El Dorado	0.09	4.72	0.13	2.29	5.14	0.21	5.58	3.67	7.24	2.77	0.78	2.84	35.46
Ellinwood	0.26	5.92	0.29	1.30	3.54	0.85	3.79	2.50	0.82	1.41	1.03	2.24	23.95
Ellsworth	0.20	4.60	0.43	0.80	1.46	1.20	1.92	1.92	1.89	1.33	0.84	2.40	18.99
Emporia	0.10	4.79	0.22	1.85	4.53	0.65	3.27	3.11	3.67	1.18	1.23	2.41	27.01
Enterprise	0.65	4.65	0.83	1.12	1.37	0.18	3.88	4.03	2.44	2.09	0.93	2.36	24.53
Eskridge	0.62	5.31	0.79	2.55	2.04	0.17	2.70	4.38	1.58	1.13	0.92	4.10	26.29
Eureka	0.21	4.63	0.16	.....	.....	0.77	8.65	2.13	5.97	0.82	0.78	3.10	.....
Fall River	0.35	5.52	0.60	3.44	1.32	0.70	9.52	3.05	4.95	0.75	1.45	2.85	34.50
Fargo	.....	2.85	0.05	T.	5.61	1.66	3.68	6.16	0.14	0.71	1.00	1.34	.....
Farnsworth	0.02	1.78	T.	0.83	1.56	0.89	2.83	2.39	1.04	1.09	0.46	1.57	14.46
Fort Scott	0.34	6.41	1.39	4.44	3.80	1.62	5.16	5.70	11.18	5.03	2.11	2.00	49.18
Frankfort	0.15	5.65	1.12	1.83	2.12	0.22	2.02	3.88	4.59	1.89	1.04	2.30	26.81
Fredonia	0.38	5.26	0.76	3.81	2.37	0.99	8.05	3.19	5.04	1.27	0.96	2.68	34.76
Garden City	T.	3.53	0.86	0.40	2.91	1.46	3.51	1.89	0.22	1.54	0.95	1.66	18.93
Garnett	0.09	5.83	0.71	3.07	2.55	0.07	4.36	3.54	3.27	1.68	1.13	3.50	29.80
Goodland	.....	1.68	0.00	2.53	1.09	1.07	1.17	2.53	1.55	0.90	0.60	2.40	.....
Gove	0.11	1.32	0.00	1.09	1.48	0.13	2.46	1.85	0.97	0.75	0.08	1.53	11.77
Great Bend	.....	.....	.....	0.50	3.18	1.19	4.00	3.77	0.53	0.76	1.03	1.35	.....
Greensburg	0.05	4.96	T.	2.09	4.18	0.09	2.21	3.98	2.66	1.58	0.82	2.74	25.36
Grenola	0.35	4.84	0.19	3.57	4.27	1.07	8.17	2.28	8.71	0.87	1.02	2.99	38.33
Hanover	0.20	3.56	1.11	1.15	1.34	0.12	3.41	5.54	3.48	6.34	0.57	2.04	28.86
Harrison	0.06	1.61	0.18	3.62	2.53	0.84	4.95	4.49	2.68	1.62	0.21	1.30	24.09
Hays	0.12	2.12	0.14	0.82	2.27	0.81	2.09	4.47	2.05	0.30	0.14	1.82	17.15
Hess	0.35	4.55	0.73	0.44	3.88	0.68	3.36	4.76	0.67	1.10	1.15	3.20	24.87
Hill City	.....	.....	.....	.....	1.57	1.57	0.14	2.53	4.30	1.03	0.58	0.28	0.95	.....
Horton	1.00	4.75	0.88	2.23	3.93	2.45	1.80	4.06	3.43	3.98	1.05	1.80	31.36
Howard	0.34	4.71	0.30	3.22	2.02	1.12	12.81	2.73	5.51	0.59	1.16	2.45	36.96
Hoxie	.....	.....	.....	.....	.....	.....	4.25	3.31	1.45	0.99	0.05	1.30	.....
Hugoton	T.	2.72	0.04	0.82	6.09	0.53	1.47	2.73	0.34	1.21	1.22	1.99	19.16
Hutchinson	0.08	6.38	0.13	1.71	2.43	0.63	3.48	2.29	3.17	0.93	1.17	3.11	25.51
Independence	0.29	5.67	0.59	4.67	2.32	0.61	5.87	3.04	3.70	0.80	1.43	3.22	32.21
Iola	0.09	4.77	0.62	3.41	2.63	0.39	5.70	3.85	6.01	2.23	1.23	3.33	34.26
Irene	T.	1.77	0.46	0.64	2.33	0.52	1.29	3.03	0.02	0.97	0.65	1.10	12.78
Jetmore	0.07	2.71	0.15	0.58	3.37	0.68	3.35	1.61	0.92	0.58	0.02	1.45	16.09
Jewell	T.	2.86	0.71	1.27	2.26	0.79	2.94	.....	3.82	0.31	0.33	.....	.....
Kingman	0.05	6.23	T.	0.67	4.85	0.02	3.81	3.67	3.77	1.62	0.87	3.38	28.94
La Crosse	0.06	3.11	0.67	0.53	3.80	0.99	2.88	3.38	0.52	0.20	0.65	1.04	17.83
Lakin	T.	1.80	0.66	0.20	0.32	1.01	0.76	1.48	0.33	1.21	0.68	1.17	9.62
Larned	0.03	4.50	0.07	0.34	5.20	1.14	2.13	1.78	0.64	0.57	0.94	1.46	18.80
Lawrence	0.41	5.46	0.43	1.70	1.42	1.99	2.92	2.94	6.21	1.63	2.01	2.42	29.54
Leavenworth	.....	.....	1.24	2.05	1.67	0.45	0.41	3.24	6.98	3.36	0.84	1.78	.....
Lebanon	0.63	1.75	0.35	2.80	1.27	0.85	5.82	4.60	1.31	T.	0.12	1.35	20.25
Lebo	0.17	5.29	0.65	2.04	2.43	0.33	4.94	4.04	2.86	0.54	1.17	2.92	27.40
Leoti	.....	.....	.....	.....	.....	.....	.....	.....	0.31	0.63	0.33	0.59	.....
Le Roy	0.06	4.45	0.38	2.66	2.49	0.12	3.67	3.71	9.45	0.82	0.80	2.96	31.57
Liberal	0.10	3.96	0.08	0.21	2.72	0.59	5.20	3.21	1.28	2.50	0.60	3.00	23.45
Lindsborg	0.37	5.14	0.57	.....	1.70	0.81	3.16	1.86	1.41	2.32	0.93	2.94	.....
McCracken	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.44	0.56	1.88	.....
Macksville	0.40	4.42	T.	1.13	4.75	0.44	2.88	2.89	0.44	1.73	0.88	1.67	21.63
McPherson	0.81	6.02	0.17	0.78	2.68	0.53	4.52	2.21	0.94	2.07	1.06	2.38	24.17
Madison	0.42	4.79	0.21	2.25	2.58	0.25	5.19	4.70	7.63	1.53	1.00	2.98	33.53
Manhattan	0.45	5.21	0.89	1.52	1.99	0.04	1.45	6.41	3.82	1.04	1.13	2.29	26.24
Mankato	T.	1.83	0.28	3.02	3.48	0.65	4.68	3.10	2.95	0.69	0.09	3.15	23.92
Marion	0.11	6.78	0.19	1.65	3.62	0.44	6.65	3.03	1.73	0.91	0.82	1.82	27.75
Medicine Lodge	0.05	5.65	0.00	2.62	4.99	0.14	6.61	3.28	5.44	0.80	0.42	1.88	31.88
Medora	.....	.....	.....	0.64	2.13	0.07	2.47	1.69	.....	.....	.....	.....	.....
Minneapolis	0.22	5.02	0.95	0.61	2.63	0.42	4.40	5.47	3.40	0.36	0.87	1.82	26.17
Moran	0.17	3.95	0.95	3.41	3.66	0.28	4.06	4.77	6.84	2.13	2.03	2.49	35.34
Mount Hope	0.05	5.88	0.05	2.93	1.89	0.21	6.58	3.60	3.42	0.72	1.00	2.78	29.01
Natoma	T.	2.55	0.20	0.90	0.14	0.45	1.80	2.80	3.75	0.02	T.	1.60	14.21
Neosho Rapids	T.	3.39	0.49	2.29	3.01	0.50	3.15	3.35	2.60	0.63	1.17	2.72	23.30
Ness City	.....	2.10	.....	.....	5.51	.....	3.56	.....	0.38	1.09	.....	.....	.....
Newton	0.05	6.16	0.26	1.88	4.66	0.26	4.17	3.03	5.04	1.13	0.81	2.53	29.25
Norton	T.	0.81	T.	1.06	1.81	0.19	6.84	3.42	1.76	1.06	0.50	1.20	19.98
Norwich	T.	5.63	T.	3.18	4.58	T.	3.06	3.78	3.88	1.34	0.91	3.88	30.24
Oberlin	0.40	0.90	0.08	1.82	2.65	0.82	5.92	2.13	2.07	1.36	0.24	1.30	19.69
Oketo	0.18	3.42	1.06	1.52	1.50	9.02	1.94	6.02	3.27	6.80	0.83	2.65	29.21

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kansas—Continued.													
Olathe	0.47	4.85	0.45	1.68	1.22	0.18	2.79	3.21	6.92	1.90	1.77	2.44	27.88
Osage	0.12	4.52	0.73	2.10	2.62	0.31	3.60	3.58	1.46	1.01	1.15	2.09	23.29
Oswego	0.44	3.94	0.97	4.53	1.64	1.24	9.99	5.21	5.80	2.28	2.50	2.40	40.94
Ottawa	0.03	4.81	0.52	3.70	1.67	0.98	0.89	3.92	1.13	0.87	1.09	2.95	22.56
Phillipsburg	T.	0.82	0.04	2.28	1.42	0.75	10.14	7.14	1.66	1.12	0.12	1.08	26.57
Plains	0.10	3.07	0.00	T.	2.45	0.00	3.20	3.96	1.06	1.86	0.62	2.25	18.57
Plainville	.....	.....	.....	.....	2.17	0.45	2.61	3.75	2.70	0.35	0.17	1.56	.....
Pleasanton	T.	5.85	0.87	3.52	2.76	0.63	3.24	3.70	3.55	4.61	1.81	2.62	33.16
Pratt	T.	5.57	T.	0.62	4.43	0.08	4.45	3.47	2.74	1.77	1.74	1.98	27.05
Republic	.....	.....	.....	2.95	1.52	0.67	4.27	2.44	3.03	1.22	0.25	2.35	.....
Richfield	.....	.....	.....	.....	2.28	0.60	9.53	2.05	0.34	0.87	0.32	2.76	.....
Rome	0.19	3.99	0.13	2.91	6.06	0.10	5.31	2.95	2.64	1.04	0.65	3.34	29.31
Russell	T.	2.58	0.20	0.33	1.70	0.36	3.48	5.13	1.41	0.11	T.	1.23	16.53
Russell Springs	0.27	1.32	0.00	1.51	0.77	1.02	2.12	1.12	0.57	1.05	0.07	1.15	10.97
St. Francis	0.11	0.45	T.	1.97	0.82	0.34	0.88	3.48	2.01	1.78	0.16	1.19	13.19
Salina	0.24	4.68	0.95	0.41	3.18	1.01	3.26	3.29	3.02	1.10	0.98	2.66	24.78
Sedan	0.52	5.71	0.63	3.61	1.39	0.62	6.88	3.03	4.28	0.74	1.12	3.62	32.15
Scott	T.	2.07	0.10	0.68	1.70	0.74	0.93	1.39	0.48	1.95	0.82	2.26	13.12
Smith Center	0.01	1.15	0.10	2.10	1.43	1.04	8.15	8.00	2.92	T.	0.05	1.87	26.82
Topeka	0.54	5.59	0.75	2.39	1.91	0.55	3.91	4.44	4.45	0.81	0.96	2.41	28.71
Toronto	0.14	7.30	0.22	3.37	1.77	0.87	6.41	5.01	5.91	0.82	1.23	3.60	36.85
Ulysses	T.	1.89	0.00	1.10	1.83	0.26	0.55	4.23	0.41	0.90	1.10	1.10	13.37
Valley Falls	1.45	4.68	0.72	1.79	1.50	1.02	0.85	4.33	5.07	0.83	1.37	1.77	26.36
Vinland	0.21	5.89	0.43	1.56	2.35	0.64	2.85	2.58	3.09	1.52	1.81	2.50	25.43
Wakeeney	0.15	1.28	0.02	1.12	2.37	0.45	3.58	2.29	2.65	0.67	0.07	1.18	15.81
Wallace	0.04	0.81	T.	1.50	0.52	1.26	1.44	0.90	0.47	0.62	0.09	1.30	8.95
Walnut	0.51	5.60	1.83	4.95	2.73	2.05	9.44	2.19	7.20	2.48	2.07	2.46	43.51
Wamego	1.05	6.29	0.66	1.50	2.37	0.03	3.31	6.20	4.81	1.07	1.30	2.75	31.34
Wellington	.....	4.08	0.05	2.19	6.98	0.35	4.05	2.56	1.69	0.48	0.85	3.84	.....
Wichita	0.02	4.23	0.10	2.19	4.66	T.	5.95	4.32	10.56	0.94	0.87	3.05	36.89
Winfield	0.17	4.95	T.	1.90	4.20	0.55	5.44	3.76	4.76	0.52	1.03	3.50	30.78
Yates Center	0.07	4.74	0.91	2.20	2.29	0.30	5.83	4.23	6.88	0.70	1.52	2.82	32.49
Kentucky.													
Alpha	4.06	5.17	4.22	12.52	4.69	4.01	3.19	3.69	1.85	2.39	5.47	8.17	59.43
Anchorage	2.01	2.00	2.17	5.22	3.84	4.43	1.57	2.51	2.96	4.08	3.71	4.69	39.19
Bardstown	4.38	4.71	1.51	5.79	3.33	5.66	0.80	4.37	3.13	2.98	5.12	8.22	50.00
Beattyville	4.80	4.56	3.76	6.74	1.20	5.24	1.84	4.48	4.76	5.22	4.70	6.14	53.44
Beaver Dam	1.59	2.14	1.83	8.69	4.74	1.81	0.88	5.86	4.99	3.12	5.03	5.80	46.48
Berea	4.33	2.06	1.38	6.04	0.64	3.53	2.63	4.79	4.08	5.68	4.96	5.43	45.55
Blandville	1.65	3.59	0.88	5.77	0.62	2.75	3.11	3.85	3.39	0.78	4.73	4.33	35.45
Bowling Green	1.59	3.41	1.92	7.88	4.05	3.39	4.45	5.35	0.40	1.60	5.60	10.22	49.86
Burnside	3.91	4.42	4.92	7.13	4.33	1.99	3.36	2.39	3.68	2.81	4.12	7.41	50.47
Calhoun	2.02	2.60	1.50	8.58	2.88	2.61	3.39	2.76	2.27	3.07	5.06	4.48	41.22
Catlettsburg	4.58	3.90	3.84	4.74	1.12	2.50	1.66	5.72	3.08	4.31	4.32	4.49	44.26
Earlington	2.12	2.64	2.10	7.62	3.43	4.22	1.83	4.14	3.69	1.15	5.34	4.33	42.61
Edmonton	3.04	5.07	4.01	13.09	3.07	2.41	2.71	2.11	2.19	3.19	5.01	8.94	54.84
Eubank	2.99	3.81	2.65	5.87	2.71	3.70	2.25	4.43	3.02	3.03	4.03	6.87	45.36
Falmouth	3.41	2.60	3.36	6.71	2.09	5.81	1.10	2.18	3.44	6.59	3.71	6.05	46.05
Farmers	3.75	3.52	2.42	4.45	0.74	4.45	2.30	4.26	3.36	8.42	5.07	4.48	47.22
Frankfort	2.55	1.90	3.53	5.53	2.20	4.04	0.91	5.42	3.05	3.41	4.87	5.41	42.82
Franklin	2.92	4.61	2.16	6.64	1.66	5.01	2.49	6.71	1.52	1.75	6.03	10.36	51.86
Greensburg	2.08	4.08	2.49	6.60	4.66	5.20	2.58	4.48	4.60	3.23	5.77	7.53	53.30
High Bridge	3.19	3.35	1.82	5.34	2.71	5.71	3.35	2.92	5.18	4.15	4.80	7.00	49.52
Hopkinsville	1.70	3.65	1.85	6.17	2.90	2.02	2.09	3.75	3.45	1.32	4.62	9.00	42.52
Irvington	2.75	2.79	1.20	7.48	4.82	4.12	1.44	3.29	5.79	5.18	4.32	5.17	48.35
Leitchfield	2.82	3.08	1.72	9.81	1.59	3.92	1.95	6.44	5.51	3.74	4.83	9.43	54.84
Lexington	2.44	2.21	2.31	4.46	1.07	3.01	0.92	2.84	4.37	3.67	3.84	6.20	37.34
Loretto	2.20	1.65	0.24	4.10	1.34	5.05	1.87	2.59	4.17	3.03	2.58	6.75	35.57
Louisville (Weather Bureau)	2.31	2.80	2.30	5.35	2.08	2.70	3.43	2.71	4.66	2.89	3.79	4.36	39.38
Louisville (Cherokee Park)	2.68	2.50	2.48	5.76	2.33	2.81	4.04	3.13	5.56	4.39	3.76	4.78	44.22
Marion	1.50	2.74	2.24	8.80	3.93	4.75	2.15	4.75	3.67	1.34	3.83	4.30	44.00
Maysville	3.89	2.63	2.95	6.49	1.23	3.25	3.38	2.30	5.31	3.87	3.83	5.93	45.06
Middlesboro	4.80	4.27	6.00	10.12	1.64	5.56	4.20	2.82	3.51	6.69	4.63	5.63	59.87
Mount Sterling	5.14	3.64	3.19	5.87	1.42	5.14	1.64	3.75	4.57	5.98	4.98	7.34	52.66
Owensboro	2.02	2.30	1.41	8.29	5.50	3.49	0.91	4.41	1.52	2.24	4.24	4.03	40.36
Owenton	3.87	3.09	3.63	3.98	2.35	4.18	.....	.....	.....	.....	.....	.....	.....
Paducah	2.81	3.00	1.54	6.71	1.60	3.28	2.06	6.09	3.38	1.49	4.48	4.40	40.84
Pikeville	5.66	4.20	4.04	7.06	0.48	5.52	1.22	3.27	2.92	7.68	3.14	4.68	49.87
Richmond	4.39	3.87	2.49	6.06	1.95	5.59	3.72	3.52	4.41	3.86	5.32	7.00	52.18
St. John	3.91	3.06	1.65	7.55	2.67	3.82	0.99	5.22	3.45	4.49	5.32	8.00	50.13
Scott	3.90	2.08	3.54	6.66	2.38	2.93	2.34	4.20	7.46	4.76	3.23	4.41	47.79
Shelby City	3.32	3.74	1.60	6.65	0.86	4.15	2.06	1.84	4.84	3.79	4.82	7.57	45.24
Shelbyville	1.60	2.70	1.73	5.53	2.30	3.61	1.16	5.84	4.99	2.55	3.00	4.73	39.74
Taylorsville	1.99	2.84	1.88	6.73	2.16	3.69	0.96	5.13	3.61	3.49	4.20	6.48	43.16
Williamsburg	4.22	4.36	5.05	8.03	3.26	4.42	3.66	3.95	3.24	3.95	4.38	5.51	54.03
Williamstown	2.60	1.76	2.92	6.67	1.15	5.37	6.58	4.14	6.38	6.20	3.26	4.97	52.00
Louisiana.													
Abbeville	2.27	1.27	3.57	2.94	2.40	4.40	12.26	7.00	4.18	5.66	4.12	9.37	59.44
Amite	5.45	0.12	2.75	3.95	4.77	9.27	10.34	9.94	5.48	3.00	4.05	10.95	70.07
Avoca Island	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.00	3.30	.....	.....
Alexandria	4.19	1.40	2.14	7.04	3.33	2.05	8.95	3.85	1.37	2.82	6.11	19.66	62.91
Baton Rouge	2.54	0.72	2.62	9.24	3.06	5.71	15.92	7.01	2.60	2.48	3.61	6.90	62.41
Burnside	3.09	0.66	2.21	8.72	4.00	7.57	10.45	11.11	6.33	3.40	3.80	7.41	68.75
Burrwood	2.04	0.58	1.52	7.75	4.10	6.41	8.13	5.85	3.73	8.43	2.42	9.92	60.88
Cades	1.92	1.17	3.06	4.99	3.81	5.39	13.39	6.91	2.41	3.37	3.36	7.86	57.64
Calhoun	0.79	4.47	2.68	7.82	1.29	4.05	3.45	4.58	1.16	3.23	4.72	16.17	54.41
Cameron	0.31	0.63	3.72	2.27	2.79	0.62	15.72	8.93	1.65	8.61	.....	.....	.....
Carrollton	.....	.....	.....	7.03	3.00	4.08	.....	.....	.....	.....	.....	.....	.....
Cheneyville	7.80	0.42	1.88	7.75	2.30	2.65	13.53	9.56	1.69	2.57	7.00	14.85	72.00
Cinclare	2.60	0.59	2.11	10.84	4.01	4.61	9.91	6.33	3.49	3.27	5.35	8.80	61.91

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Louisiana—Continued.													
Clinton	4.64	0.51	0.58	2.77	4.26	3.96	10.99	3.27	2.54	3.76	3.56	8.56	49.40
Collinston	4.08	4.04	2.39	8.10	0.65	4.30	4.40	6.72	0.28	1.46	3.83	18.35	58.60
Covington	2.24	1.67	2.53	6.41	3.65	5.05	8.81	7.37	3.51	1.52	4.07	7.04	53.87
Dodson	2.49	4.49	2.71	6.57	2.13	3.09	9.22	2.89	1.74	1.83	4.96	18.52	60.64
Donaldsonville	7.40	1.90	5.40	12.45	7.43	13.64	14.71	28.50	6.49	8.91	5.85	11.40	124.08
Dutchtown	.....	.....	.....	.....	.....	.....	9.10	7.25	4.22	2.90	3.65	9.35	.....
Farmerville	2.12	3.62	2.21	7.35	1.31	3.79	7.74	8.33	0.25	1.68	3.86	14.48	56.74
Ferriday	5.25	1.11	1.55	4.44	1.75	3.29	7.15	6.26	0.10	0.29	.....	15.07	.....
Franklin	2.74	0.95	2.98	3.88	3.37	8.71	14.33	18.79	7.57	4.71	3.83	6.44	78.30
Grand Cane	.....	0.74	2.62	8.92	1.16	1.36	8.01	3.02	0.37	1.86	4.10	12.62	.....
Grand Coteau	4.75	1.17	2.61	4.44	1.35	5.60	11.29	7.61	3.78	2.44	4.54	12.21	61.79
Hammond	1.43	1.31	2.01	6.94	3.04	8.43	7.37	4.80	4.67	2.74	4.13	7.94	54.81
Houma	.....	.90	2.10	7.10	2.80	5.00	11.90	12.27	5.54	1.93	4.33	7.78	.....
Jena	.....	.....	2.55	8.86	2.67	3.80	13.84	2.75	1.87	1.02	5.80	.....	.....
Jennings	3.05	0.56	2.78	4.69	6.78	3.67	13.03	8.63	2.55	6.83	3.32	12.04	67.93
Lafayette	4.00	0.82	2.81	4.79	2.14	4.69	11.09	7.91	4.92	3.62	3.66	11.83	62.28
Lake Charles	4.40	0.95	2.85	6.68	1.35	6.80	7.40	8.99	4.39	7.26	2.77	15.65	69.49
Lakeside	2.90	0.90	3.95	5.04	4.78	5.88	7.38	6.48	2.19	5.18	5.15	10.64	60.47
La Rose (near)	.....	.....	.....	.....	.....	5.42	11.46	8.02	4.61	4.58	4.53	8.34	.....
Lawrence	1.55	1.09	1.04	11.97	3.68	5.39	5.63	12.31	8.05	2.59	5.41	16.66	75.37
Leeville	1.58	1.14	2.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Liberty Hill	1.86	4.47	2.39	8.55	2.14	1.72	5.25	7.81	0.85	7.61	4.40	13.01	53.76
Logansport	0.33	3.28	3.57	12.61	1.41	1.00	6.64	3.46	0.65	1.52	4.44	11.34	50.31
Melville	2.87	0.93	1.72	11.00	2.20	4.14	9.56	9.04	1.35	1.92	3.54	13.67	61.94
Minden	1.12	3.15	2.01	12.65	2.99	1.54	6.58	10.70	1.34	1.03	3.15	15.22	61.48
Monroe	3.78	5.59	3.00	7.00	0.03	2.64	3.73	7.91	0.54	3.27	4.66	18.21	60.36
Morgan City	3.97	1.08	1.53	2.71	2.41	5.36	13.64	13.06	6.02	4.44	3.94	3.41	61.57
Newellton	.....	.....	.....	.....	2.30	2.18	14.87	4.53	2.97	0.46	4.89	16.95	.....
New Iberia	2.10	1.06	3.79	4.46	2.13	9.96	12.84	7.47	2.91	3.65	2.75	8.44	61.56
New Orleans (1)	2.31	1.35	5.82	13.76	2.20	6.23	8.40	8.15	5.43	1.99	4.08	8.14	67.86
New Orleans (2)	2.29	1.46	4.23	13.09	3.53	4.27	4.70	8.85	2.65	2.50	4.48	8.68	60.73
New Orleans (3)	1.62	0.97	6.15	11.54	2.26	4.56	3.62	5.87	2.61	1.13	3.71	6.99	51.03
New Orleans (4)	2.14	1.33	4.03	12.31	3.49	6.86	4.21	8.26	2.39	2.31	4.24	7.90	59.47
New Orleans (5)	2.22	1.07	3.01	12.82	3.40	8.52	6.38	9.78	4.97	2.02	4.20	8.39	66.78
New Orleans (6)	2.37	1.17	5.23	13.57	2.44	7.03	8.55	7.88	6.07	2.23	4.27	8.23	69.04
New Orleans (7)	2.14	1.48	7.60	11.41	2.45	5.17	6.29	10.34	4.25	3.15	3.88	7.46	65.62
New Orleans (8)	1.78	1.72	4.84	12.36	2.61	6.62	5.30	8.84	5.50	2.80	3.75	8.22	64.34
Opelousas	2.94	0.96	2.14	6.43	2.39	6.03	11.79	6.07	3.26	2.94	4.86	15.19	65.00
Paradis	.....	.....	.....	.....	.....	.....	8.34	8.39	4.49	2.16	0.97	7.88	.....
Pearl River	3.39	1.68	2.59	7.33	7.38	5.20	4.36	9.00	5.26	2.84	3.98	7.54	60.55
Plain Dealing	1.17	2.87	2.19	10.70	1.58	1.26	4.44	3.39	1.75	1.12	3.35	.....	.....
Rayne	2.85	1.06	2.60	4.31	2.65	3.69	9.13	6.93	5.29	4.45	3.44	11.27	57.67
Reserve	3.27	1.37	4.29	8.43	6.25	6.04	7.14	6.16	0.71	5.92	2.91	10.32	62.81
Robeline	1.85	2.12	3.70	9.03	2.47	2.65	11.80	4.95	1.01	2.87	4.47	13.31	60.23
Ruston	2.20	3.30	2.25	7.05	1.00	2.40	5.70	4.03	0.25	2.65	3.40	7.90	42.13
St. Francisville	4.75	1.25	1.15	8.50	T.	5.25	14.70	13.05	4.00	3.86	3.09	14.64	74.24
Schriever	2.82	1.12	2.70	9.35	5.73	5.40	13.40	14.87	7.91	4.00	4.27	6.33	77.90
Sheridan	4.20	0.80	2.35	5.10	3.78	7.55	7.05	9.56	5.55	1.53	3.05	7.95	58.47
Shreveport	0.68	1.79	2.32	9.90	0.89	1.23	3.66	9.75	0.93	0.73	2.66	10.44	44.98
Simmesport	3.35	0.43	1.65	8.90	0.99	4.86	12.39	2.57	0.64	1.72	5.32	14.08	56.90
Southern University Farm	2.05	1.58	5.90	11.99	3.52	5.84	4.25	12.92	3.58	1.42	4.33	7.93	65.31
Sugartown	3.67	1.26	3.35	7.69	1.70	2.16	12.51	6.37	3.71	5.72	6.81	17.49	72.44
Tallulah	4.90	4.31	2.76	10.60	1.12	5.54	4.16	6.57	2.18	0.62	3.03	18.52	64.31
Walker	2.90	0.80	3.60	8.60	2.00	5.76	5.47	4.84	4.44	4.56	4.28	5.32	52.57
Maryland.													
Annapolis	3.44	3.09	.....	1.69	1.51	2.48	1.03	14.05	0.92	2.30	2.61	1.76	.....
Baltimore	3.48	2.31	2.45	2.69	3.45	5.52	3.53	12.28	1.60	3.31	4.28	3.68	48.38
Cambridge	5.26	2.68	3.27	3.92	0.36	1.93	0.93	10.89	2.29	3.91	5.55	3.80	44.79
Cheltenham	3.55	2.53	2.67	3.36	0.36	3.77	0.78	6.49	1.14	3.54	4.86	3.78	36.83
Chestertown	3.39	1.80	2.35	3.51	T.	4.72	3.71	10.07	2.03	2.63	5.23	4.34	43.78
Chewsville	3.98	1.41	1.85	2.46	1.98	4.22	3.23	8.61	4.06	2.40	2.25	3.06	39.51
Clear Spring	4.63	2.03	2.76	3.64	1.58	4.68	4.68	8.93	2.88	2.97	2.63	3.42	44.83
Coleman	4.34	1.82	2.48	3.82	2.01	3.08	3.93	12.04	2.02	3.23	5.51	4.16	48.44
College Park	3.54	1.93	2.24	3.06	0.73	3.09	0.90	7.38	1.95	3.45	4.59	3.92	36.78
Cumberland	4.46	1.62	2.11	2.86	1.23	5.24	0.39	9.05	5.08	3.39	1.87	3.88	41.18
Darlington	3.42	2.32	2.60	3.26	0.82	7.22	4.47	12.83	2.48	5.44	4.60	3.75	53.21
Deer Park	6.89	1.75	3.37	3.75	1.09	7.65	2.96	11.36	5.65	6.23	2.56	3.27	56.53
Denton	4.19	1.44	2.16	3.68	0.25	2.08	1.92	13.83	1.99	3.32	4.70	3.56	43.12
Easton	2.96	1.26	2.97	3.72	0.21	1.80	2.38	13.72	3.83	3.73	4.47	3.27	44.32
Emmitsburg	4.59	2.17	3.48	3.34	2.23	.....	2.37	12.19	3.08	2.31	3.71	3.36	.....
Fallston	2.67	2.20	2.99	3.44	0.54	5.41	2.81	15.63	2.84	4.32	4.55	3.95	51.35
Frederick	3.61	1.76	2.62	3.09	1.19	3.46	6.07	10.22	3.30	3.22	3.11	3.56	45.21
Frostburg	4.83	1.91	3.01	3.80	0.73	6.96	3.01	8.70	4.89	4.11	2.49	3.78	48.22
Grantsville	6.45	1.40	3.43	3.56	0.98	5.99	2.02	10.99	6.38	5.02	2.48	4.10	52.80
Great Falls	2.20	0.98	2.38	2.25	0.47	4.78	1.34	7.51	3.25	3.42	3.38	3.14	35.10
Green Spring Furnace	4.30	1.84	1.91	3.67	0.93	4.11	1.74	7.86	3.14	2.67	2.48	3.29	37.94
Keedysville	4.14	1.65	2.16	2.66	1.56	2.97	2.43	8.52	2.61	2.93	2.23	3.23	37.09
Lake Montebello	3.12	1.94	2.35	2.65	2.74	4.36	2.20	13.32	1.70	3.14	4.44	3.75	45.71
La Plata	4.31	2.17	2.52	.....	0.51	.....	.....	.....	.....	.....	.....	.....	.....
Laurel	4.41	2.20	3.19	2.82	1.51	2.22	2.09	8.40	2.21	3.57	4.55	4.41	41.58
Leonardtown	.....	.....	2.51	3.24	0.33	3.51	5.57	7.05	1.95	3.14	4.78	3.27	.....
Monrovia	3.02	1.56	2.14	3.00	1.15	4.14	3.50	9.65	2.59	2.96	3.44	3.30	40.45
Oakland	8.17	1.75	4.18	3.77	2.09	6.02	2.65	12.73	5.58	5.63	2.39	2.64	57.58
Pocomoke City	3.18	2.29	3.12	3.79	0.29	2.51	2.97	3.89	2.15	2.75	5.30	3.95	36.19
Porto Bello	.....	1.75	2.30	3.40	.....	4.56	0.04	6.70	2.50	3.50	6.40	4.50	.....
Princess Anne	3.79	2.26	2.60	3.27	0.60	2.35	2.18	7.89	1.85	2.86	5.37	3.88	38.90
Rockville	.....	.....	.....	.....	.....	.....	.....	7.70	.....	3.03	3.81	3.37	.....
Salisbury	2.81	2.10	3.29	3.70	0.18	1.79	1.76	6.59	1.66	3.11	8.85	6.12	41.96
Solomons	4.22	1.47	2.65	2.43	1.00	1.67	1.50	7.70	2.54	2.55	3.12	2.77	33.62
State Sanatorium	4.64	2.52	2.54	3.26	1.60	4.69	2.08	11.25	3.09	3.17	2.67	3.41	44.92
Sudlersville	4.41	2.49	3.42	4.13	0.39	4.46	2.39	9.82	2.15	3.24	5.67	3.97	46.54
Takoma Park	3.56	2.06	2.27	2.95	0.39	3.32	1.15	6.00	2.94	3.30	4.10	3.85	35.89
Taneytown	.....	.....	.....	.....	1.81	3.98	1.87	11.29	3.27	4.05	3.43	4.33	.....

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Maryland—Continued.													
Towson	2.00	1.49	1.74	2.96	0.99	3.94	4.61	13.41	1.99	3.41	4.20	3.94	44.68
Van Bibber	2.72	2.18	2.93	3.71	2.77	6.10	2.34	11.08	1.20	5.08	4.58	4.23	48.92
Westernport	5.30	1.30	1.33	2.16	1.16	5.90	0.90	8.13	3.88	3.65	2.03	2.88	38.62
Westminster	3.73	1.79	2.31	.....	.....	3.14	6.06	10.43	1.93	2.75	2.84	3.57	.....
Woodstock	1.90	1.46	2.36	2.73	0.57	5.17	.....	11.28	3.08	2.27	5.93	3.94	.....
Maine.													
Bar Harbor	4.55	4.14	4.35	1.70	T.	3.51	4.41	1.90	5.15	2.10	6.65	4.30	42.76
Cornish	2.94	3.46	4.29	1.16	1.00	3.04	3.84	3.13	5.34	2.99	3.78	3.34	38.31
Eastport	2.98	2.47	3.68	2.55	0.13	5.07	3.50	2.53	2.67	1.57	3.83	2.80	33.78
Fairfield	1.98	2.19	4.03	0.58	1.34	2.21	2.75	2.38	2.28	1.68	2.81	3.12	27.35
Farmington	1.96	2.06	5.54	1.03	1.20	4.72	2.68	3.90	3.22	3.08	3.40	3.07	35.86
Gardiner	2.73	2.51	4.60	0.78	1.10	3.57	5.43	2.59	4.85	2.35	3.76	2.19	36.46
Greenville	2.91	2.68	4.95	1.24	0.40	3.85	4.04	4.06	3.89	2.63	3.86	4.27	38.78
Houlton	1.25	0.85	1.65	0.95	0.03	1.95	2.11	2.80	3.85	1.80	2.65	1.85	21.74
Lewiston	2.75	2.69	5.04	1.00	0.56	3.88	5.64	2.34	3.88	2.38	3.42	3.14	36.72
Madison	2.28	1.77	5.71	0.93	0.59	5.33	4.91	7.01	3.86	3.44	3.67	3.24	42.74
Millinocket	2.87	1.96	4.26	1.08	0.51	5.06	4.56	3.90	2.73	1.77	4.36	4.29	37.35
North Bridgton	2.75	2.56	4.31	0.91	1.35	2.88	3.89	2.82	3.63	2.82	3.21	2.97	34.10
Orono	3.21	2.78	3.97	1.18	0.75	4.60	4.45	2.94	3.05	1.94	3.28	3.91	36.06
Patten	3.13	1.47	3.65	1.02	2.58	4.46	3.73	4.55	6.75	1.54	4.02	3.10	40.00
Portland	2.58	5.02	5.60	2.25	1.37	2.74	4.71	2.56	2.84	1.85	3.51	4.49	39.52
Rumford Falls	1.97	2.58	4.16	0.76	0.88	2.75	2.46	4.85	3.20	3.23	2.88	2.74	32.46
Winslow	2.24	1.40	3.83	0.59	0.61	4.17	4.43	2.63	3.60	2.13	3.04	3.00	31.67
Massachusetts.													
Amherst	2.36	2.18	3.08	1.87	1.37	2.02	4.21	5.92	3.41	8.81	3.84	4.42	44.21
Blue Hill	3.07	3.20	3.27	2.86	0.89	4.75	4.55	6.70	3.36	3.01	5.71	3.24	44.62
Boston	2.28	2.85	2.95	2.28	0.35	3.67	4.65	4.17	2.95	2.27	4.29	3.07	35.78
Chestnut Hill	3.05	3.43	3.27	2.55	0.58	3.84	4.69	5.01	3.59	3.22	4.40	3.65	41.28
Concord	2.57	2.54	3.29	2.26	0.29	3.23	3.33	4.60	3.16	3.42	4.09	3.33	36.11
Fall River	3.29	1.81	3.43	3.69	1.95	1.49	4.71	3.48	1.91	2.28	6.79	3.71	38.54
Fitchburg	2.49	2.11	2.98	1.63	1.80	2.83	2.52	6.48	2.37	4.64	3.41	3.01	36.27
Framingham	2.75	2.64	3.33	2.70	0.72	2.42	3.21	4.66	2.73	3.57	4.39	3.63	36.75
Hyannis	3.46	3.16	3.22	4.99	0.76	6.70	3.72	7.12	3.25	2.47	5.72	3.28	47.85
Lawrence	2.52	2.80	3.64	1.89	0.30	1.52	3.19	5.56	2.10	2.93	3.68	3.60	33.73
Lowell	2.66	2.88	3.50	1.99	0.81	2.47	3.35	5.75	2.59	3.42	3.57	3.53	36.52
Middleboro	3.00	2.77	3.63	3.32	0.97	1.51	4.62	3.30	2.96	2.57	6.80	3.35	38.80
Nantucket	3.77	3.88	3.35	5.17	0.82	2.56	3.20	8.03	3.34	2.57	6.30	3.76	46.75
New Bedford	3.63	2.81	3.44	4.51	1.45	1.84	5.75	6.57	2.93	2.10	6.17	3.78	44.98
Norfolk	4.61	3.66	3.55	3.06	1.63	2.91	4.30	8.34	5.72	4.88	5.46	2.71	50.83
Plymouth	3.22	3.07	3.34	3.05	0.61	2.58	5.54	4.14	3.48	4.01	6.68	3.25	42.97
Provincetown	2.92	2.10	1.99	2.25	0.27	3.34	3.33	4.17	4.43	2.75	3.50	2.06	33.11
Rockport	2.99	3.67	4.17	3.00	0.90	3.40	10.77	4.58	3.50	3.19	6.27	4.17	50.61
Rutland	2.99	2.36	3.83	2.47	1.87	2.65	2.62	6.19	3.07	5.42	4.06	3.14	40.67
Turners Falls	2.58	2.26	4.44	2.02	1.62	2.60	2.72	6.64	3.63	7.58	3.52	3.18	42.79
Westboro	2.76	3.56	3.15	2.85	1.35	3.15	2.92	4.42	2.84	3.95	4.43	2.92	38.30
Williamstown	2.38	0.75	2.49	1.12	1.62	3.85	2.30	4.41	4.21	5.08	1.93	1.82	31.96
Worcester	2.40	2.21	3.84	2.17	3.66	1.96	2.92	4.77	5.74	3.53	3.27	2.45	38.92
Michigan.													
Adrian	1.38	2.09	1.13	3.63	3.26	4.70	2.78	4.32	4.06	4.14	5.22	1.87	38.58
Allegan	1.31	1.35	1.23	4.28	4.58	7.14	3.01	2.82	5.89	5.23	2.51	1.51	40.86
Alma	2.39	2.60	1.08	3.19	3.88	2.57	1.58	1.85	5.36	5.77	3.18	1.86	35.31
Alpena	1.09	1.97	1.36	1.86	3.72	2.95	1.20	1.22	1.89	3.92	4.63	1.42	27.23
Ann Arbor	1.30	1.74	1.35	3.54	1.05	3.60	1.15	2.04	3.95	4.95	2.94	1.63	29.24
Arbela	1.85	2.27	2.29	2.14	3.19	3.15	1.32	4.11	4.75	6.23	3.40	2.26	36.96
Baraga	.....	0.80	.....	.....	5.50	.....	4.00	.....	1.90	.....	1.70	.....	.....
Battle Creek	1.68	2.26	1.67	3.18	1.32	7.05	1.13	3.14	4.46	6.07	3.79	2.32	38.07
Bay City	2.50	3.15	2.75	1.15	5.00	3.80	1.80	2.90	7.85	.....	5.56	4.23	.....
Benzonia	.....	.....	.....	1.37	10.39	.....	.....	.....	.....	.....	.....	.....	.....
Bergland	0.84	2.12	1.46	0.99	4.24	2.41	6.54	4.70	3.77	2.40	3.12	2.11	34.70
Berlin	1.67	1.63	1.29	2.32	2.51	2.57	2.38	4.14	5.20	4.80	3.45	2.09	34.05
Big Rapids	1.45	3.42	1.56	4.05	3.61	2.83	1.28	1.37	4.70	6.95	4.45	2.17	38.04
Bloomingdale	1.58	1.99	1.15	2.25	3.58	5.59	0.68	3.48	5.49	4.98	4.78	4.99	40.54
Bridgeport	.....	2.25	1.10	2.21	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cadillac	.....	2.59	1.22	.....	4.12	1.54	2.10	2.05	3.33	3.74	6.43	1.78	.....
Calumet	2.36	2.86	1.69	0.69	4.06	1.85	5.26	2.64	3.36	2.17	4.59	3.11	34.64
Cassopolis	1.80	1.40	1.05	4.70	2.50	7.10	2.20	0.86	4.95	.....	1.17	1.70	.....
Charlevoix	2.00	0.80	0.25	.....	4.90	0.63	2.41	3.69	3.21	.....	3.16	.....	.....
Charlotte	0.93	0.98	0.61	1.03	0.64	5.39	1.56	2.23	5.72	4.31	2.72	1.44	27.56
Chatham	2.31	1.99	1.44	0.27	2.62	3.30	8.81	3.58	2.82	3.25	4.14	2.71	37.24
Cheboygan	1.18	3.20	0.65	1.82	6.17	1.50	2.80	3.60	1.70	4.68	5.50	2.02	34.82
Chesaning	.....	1.70	0.90	1.79	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clinton	1.70	2.04	1.36	2.93	3.14	4.20	1.58	2.90	4.02	4.50	3.20	1.67	33.24
Coldwater	1.40	1.01	0.73	3.47	1.88	4.72	1.72	3.40	3.73	4.33	3.68	1.17	31.24
Concord	1.83	1.42	.....	2.36	1.94	6.75	1.83	4.72	4.54	3.83	2.15	1.00	.....
Croton	1.94	2.25	1.21	4.68	5.09	4.97	2.14	1.27	5.26	7.33	4.00	1.66	42.40
Deer Park	0.80	.....	1.20	.....	1.20	4.45	4.70	1.82	1.85	1.73	.....	.....	.....
Detour	0.91	1.00	0.54	1.75	1.71	1.50	2.60	3.10	2.45	4.93	2.47	.....	.....
Detroit	2.04	2.54	1.33	3.22	1.78	1.48	0.79	1.31	4.32	4.30	3.58	1.94	28.63
Eagle Harbor	1.69	1.68	0.95	0.62	3.13	2.46	4.26	2.26	2.78	1.66	3.86	2.02	27.37
Eaton Rapids	.....	1.07	1.11	1.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Tawas	1.87	3.38	2.00	1.70	4.71	2.44	1.55	2.32	2.93	4.33	2.12	2.05	31.40
Eloise	1.76	2.59	1.36	3.16	1.51	3.78	1.34	1.82	5.20	4.24	3.33	1.68	31.76
Escanaba	1.05	2.00	1.77	0.42	4.42	1.99	6.63	3.52	3.78	4.63	3.43	2.69	36.33
Ewen	2.45	1.85	2.24	0.45	4.14	.....	.....	2.41	3.47	1.88	5.56	3.47	.....
Flint	1.05	1.17	0.90	2.24	2.81	3.76	0.89	3.03	4.00	3.53	3.02	1.19	27.59
Fosters	.....	1.64	1.08	2.02	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frankfort	2.40	2.40	0.95	0.95	5.76	2.68	1.53	2.05	3.87	5.22	3.96	1.80	33.57
Ganges	1.23	1.85	0.34	4.77	3.78	6.65	1.49	3.39	5.29	6.86	4.41	1.98	42.04
Gaylord	1.35	1.75	0.50	.....	.....	.....	.....	.....	.....	5.57	5.80	2.34	.....
Gladwin	0.45	0.80	.....	1.20	.....	1.50	.....	5.50	7.25	5.05	2.25	2.25	.....
Grand Haven	2.22	2.31	0.98	5.53	3.40	3.37	0.88	1.20	5.88	6.74	4.93	3.14	40.58

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Michigan—Continued.													
Grand Ledge		1.87	0.37	2.18									
Grand Marais		1.35	1.25		1.56	1.08	5.69	2.29					
Grand Rapids	1.57	2.38	0.73	4.20	7.18	4.76	1.27	2.29	7.58	6.71	3.88	2.56	45.11
Grape	1.33	1.58	1.15	3.06	1.20	4.09	2.73	2.56	4.33	3.90	3.00	1.99	30.92
Grass Lake	1.24	1.42	1.20	2.00	1.63	3.54	1.65	2.24	2.68	3.25	2.74	1.84	25.43
Grayling	1.70	2.01	1.10				1.56	1.64	3.38	5.56	5.94	2.42	
Green						1.72	5.84	3.25	3.34	1.42	2.90	1.99	
Harbor Beach	1.70			1.35	7.25	2.25	1.45	2.97	2.10	4.73	1.25	1.25	
Harrison			0.60	1.86	2.09	2.05	0.42	2.40	1.15	3.63	3.71		
Harrisville	1.12	2.19	1.80	2.67	5.75	2.78	1.22	2.49		3.61	3.74	1.87	
Hart	2.40	2.15	0.75	4.10	11.61	2.13	1.33	1.95	6.22	3.83	2.65	1.45	40.57
Hayes	1.04	2.55	1.80	1.60	4.11	2.49	1.70	3.91	4.38	4.18	4.15	1.51	33.42
Highland	1.85	0.62	0.98	2.03	1.60	2.61	2.06	1.30	5.33	4.92	3.49	1.67	28.46
Hillsdale	0.76	1.73	1.17	2.34	1.59	4.52	1.81	4.14	4.25	4.62	4.02	1.69	32.64
Holland	2.47	2.36	0.61	5.41	3.74	4.53	1.21	1.79	5.47	6.44	4.36	2.26	40.65
Houghton	1.40	2.48	2.06	0.67	3.96	2.62	6.17	2.17	2.61	1.88	3.67	2.28	31.97
Howell	1.04		1.15	3.50	2.05	2.94	2.25	3.43	4.30	5.21	3.09	1.88	
Humboldt	1.80	1.80	0.90	0.70		0.32	3.17	1.10	1.28	1.38	5.00	3.90	
Ionia		1.99	0.79	2.39									
Iron Mountain	0.72	1.01	1.32	0.30	4.41	1.53	8.21	6.57	2.34	4.01	2.27	2.21	34.90
Iron River	1.70	3.10	3.30	1.10	8.70	4.80	9.79	6.30	3.80	4.90	3.50	4.08	55.07
Ironwood	1.90	0.95	2.56	1.28	2.46	1.37	6.06	1.59	2.81	2.31	6.94	3.05	33.28
Ishpeming	1.52	1.23	1.82	0.57	2.46	2.65	6.85	3.05	3.25	2.58	4.15	2.59	32.72
Isle Royale						2.05		2.24	4.10	0.49	1.82		
Ivan	1.42	1.10	1.08	0.80	6.11	2.04	1.53	2.58	3.04	5.87	4.39	1.55	31.51
Jackson	1.25	1.25	1.12	2.57	2.27	4.41	1.16	2.44	4.69	3.59	3.86	1.10	29.71
Jeddo	1.77	1.13	1.84	1.79	3.16	1.67	1.55	1.88	3.29	4.31	2.60	1.96	26.95
Kalamazoo	1.39		0.97	1.38	1.12	7.52	0.60	3.08	3.62	5.49	3.13	2.40	
Lansing (Agricultural College)	1.43	1.77	1.21	2.11	2.67	3.77	1.65	1.48	5.05	5.00	3.40	1.58	31.12
Lansing (Capitol)	1.30	1.39	1.29	2.23	2.84	4.04	1.04	1.69	6.22	4.89	3.17	1.62	31.72
Lapeer	0.90	0.90	0.94	1.62	3.28	3.85	1.37	2.51	3.49	4.53	5.17	1.12	29.68
Lowell		1.71	0.86	2.91									
Ludington	0.50	0.87	0.30	1.43	5.96	1.96	1.58	3.27	3.65	5.07	1.87	1.62	28.08
Luther	1.26	2.41	0.88	3.47	4.45	1.96	2.03	3.24	4.32	6.48	4.18	2.03	36.71
Mackinac Island	1.19	0.97	0.95	1.30	6.98	2.36	2.62	3.91	2.79	6.03	4.21	1.42	34.73
Mackinaw	4.30	2.40	1.20		3.94	0.84	1.74	2.07	1.75	3.60	4.13	1.49	
Mancelona	2.11	1.80	1.43	0.81	5.20	1.54	1.62	0.89	3.03	6.00	4.65	2.61	31.69
Manistee	0.70	3.86	1.00	2.69		2.55	2.60	3.51	1.70	7.15	2.45	2.95	
Maple Ridge	1.15	2.30	2.30	0.60	3.00	3.43	7.50	5.28	3.26	3.97	5.89	2.87	41.55
Marquette	3.23	2.40	1.78	0.66	3.06	5.60	6.76	1.59	2.39	1.90	4.68	3.17	37.22
Menominee	1.05			1.46	4.04	1.30	5.90	1.84	4.47	5.42	2.10	3.01	
Midland	0.51	0.90	0.23	0.30		1.61		1.10	1.71	3.82	0.80	1.22	
Morenci	2.29	1.87	1.46	4.03	1.69	6.58	2.25	4.89	3.83	4.48	3.69	2.24	39.30
Mount Clemens	2.90	1.59	1.05	2.34	2.71	2.61	3.19	3.75	5.55	4.18	2.82	5.11	37.80
Mount Pleasant	0.30	2.80	0.40	0.16	1.91	1.37	0.99		1.07	3.94	0.64	0.95	
Munising					2.61	3.05	8.44	2.96	2.36	3.36	4.71	2.54	
Muskegon	2.95	2.00	1.40	3.00	3.30	3.18	0.48	0.50	0.93	3.10	3.56	1.24	25.64
Newberry	1.61	1.55	1.57	0.65	3.19	3.41	4.77	2.20	1.49	3.31	3.31	2.29	29.35
Old Mission	2.16	1.79	0.77	1.57	7.80	1.93	2.68	3.81	3.39	6.00	3.93	2.10	37.93
Olivet	1.53	1.35	0.56	2.72	2.72	6.91	1.26	2.90	5.62	5.42	4.15	1.84	36.98
Omer		2.40		1.00	3.25	0.90	0.20	1.20	3.80	2.60	1.15	1.90	
Onaway				2.70	4.20	1.20			1.90	6.75	5.40	2.20	
Ovid	1.25	1.58	0.67										
Owosso	1.72	1.90	0.48	2.29	3.48	5.37	1.95	2.94	6.01	5.91	4.95	1.46	38.46
Paines		2.40	1.44	2.29									
Petoskey	2.19	1.20	1.25	0.55	2.70	0.43	1.88	1.21	0.96	3.74	4.19	1.87	22.17
Plymouth	2.25	2.45				4.90		3.00	5.23		3.55	0.82	
Pontiac	1.58	2.34	1.03	3.31	1.75	2.21	1.72	1.92	5.89	4.91	2.58	2.05	31.29
Port Austin				0.85	3.31	1.90	2.20	2.96	3.86	4.46	2.06	1.11	
Port Huron	1.16	1.76	2.07	1.72	2.10	1.74	1.61	2.22	3.64	4.10	2.87	1.51	26.50
Portland		2.57	0.98	2.68									
Powers	1.20							2.26	3.94			2.80	
Reed City	1.10							2.20	4.39	5.91	5.10	2.29	
Roscommon	0.82	1.39	1.17	2.33	5.80	1.85	1.56	2.59	3.56	5.03	2.36	1.17	29.63
Saginaw	1.50	3.50	2.10	2.43	2.88	2.10	1.50	2.75	4.16	5.40	2.79	2.15	33.26
Saginaw (West Side)	1.16	2.59	1.71	2.11	4.22	2.70	1.21	2.36	4.14	5.99	2.76	1.64	32.59
St. Ignace	1.81	1.60	0.76	0.84	6.03	1.45	2.16	1.51	1.57	3.60	4.35	3.03	28.71
St. James	1.31	4.11	0.96	0.98	3.64	0.86	5.47	2.76	2.33	5.11	4.26	1.85	33.64
St. Joseph	2.50	2.72	0.62	3.60	3.76	3.14	1.31	2.23	5.62	3.84	2.15	2.35	33.84
Sandusky	1.19			1.44				1.68	3.24	5.93	3.03	1.54	
Saranac	1.35	1.97	0.27	3.32	3.01	4.63	2.94	3.28	6.20	6.59	4.36	1.75	39.67
Sault Ste. Marie	1.00	1.48	1.45	1.22	4.19	3.19	3.31	2.39	1.83	3.17	3.55	2.30	29.08
South Haven	3.90	2.45	2.30	2.60	2.00	4.20	1.30	4.40	5.20		5.01		
Stanton				0.70	0.66			0.16		4.06			
Thomaston	1.40	1.30	1.62	0.60	3.23	2.85	5.21	4.36	3.47		3.62	1.93	
Thornville	0.66	2.30	1.66	1.48	2.78	4.77	2.56	3.46	6.11	4.13	2.93	2.17	35.01
Traverse City					5.16	3.28	2.08	1.08	1.85	5.37	1.97	1.90	
Vassar	0.60	1.62	0.65		5.12	2.36	0.86	2.04	4.11	5.34	2.77	1.80	
Victoria	1.35	1.96	1.61	0.89	4.37	2.56	8.70	3.65	4.38	2.31	5.00	2.29	39.07
Watersmeet	1.74	1.84	1.84	1.02	6.19	2.61	7.03	3.07	2.95	3.50	3.06	2.25	37.10
Wasepi	2.15	2.10	2.16	4.60	3.03	5.77	3.38	3.32	3.21	6.08	4.16	2.27	42.23
West Branch	0.60	2.80	0.50	1.57							1.29		
Whitefish Point	3.96	1.98	2.04	0.57	3.80	2.93	2.91	2.52	1.96	3.52	4.32	2.62	33.13
Woodlawn	2.63	3.10	2.56	2.56	5.85	1.51	1.69	3.49	4.56	6.38	5.81	3.18	43.32
Ypsilanti	2.33	2.59	1.48	3.56	1.95	3.49	1.70	1.73	3.68	4.61	3.66	1.86	32.64
Minnesota.													
Albert Lea	1.15	1.25	0.35	2.29	4.90	2.55	5.52	4.75	3.90	6.25	0.48	3.47	36.86
Alexandria	0.60	0.36	0.36	1.78	2.54	3.08	4.21	5.81	3.85	3.68	0.96	0.67	27.85
Angus	0.55	0.95	0.25	1.83	2.71	3.54	2.28	3.89	1.46	1.35	1.17	0.57	20.55
Bagley	0.65	0.81	0.43	1.21	3.63	2.95	3.05	1.84	3.10	1.45	0.92	0.30	20.34
Beaulieu			0.90	1.26	5.36	1.32	2.61		2.26	1.10	1.30	1.10	
Bird Island	0.54	0.16	0.17	2.58	2.05	6.25	3.95	2.55	2.90	5.77	1.02	0.97	28.91
Caledonia	1.12	0.80	0.76	1.09	5.04	1.81	3.14	6.94	2.66	5.87	1.64	3.53	34.40
Campbell		0.32	0.26	1.71	4.17	3.13	2.96	3.87	2.85	2.15	1.98	1.60	
Cass Lake	0.60	0.83	0.90	1.55	5.45	2.85	2.20	5.60	1.75	1.24	0.79	0.56	23.72

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Minnesota—Continued.													
Cloquet				1.75	3.31	4.07	6.14	3.49	3.10	1.54	1.10	1.66	
Collegeville	0.49	0.44	0.46	1.55	3.62	5.12	2.02	2.48	2.95	3.18	1.31	0.72	24.34
Crookston	0.70	1.29	0.10	2.25	3.81	4.00	1.78	3.27	1.23	1.01	1.58	0.42	21.35
Detroit	0.35	0.46	0.48	1.71	3.18	4.74	4.04	4.99	2.47	0.72	1.22	0.30	24.66
Duluth	1.12	1.89	1.66	1.09	3.45	2.76	5.83	3.02	3.35	1.37	2.59	2.17	30.30
Ely					2.90	4.12	4.20	2.56	3.43	0.61			
Fairmont (near)	1.80	1.35	T.	4.30	1.57	1.47	3.71	3.72	4.81	4.49	1.02	3.15	31.39
Faribault	0.64	1.13	0.71	2.47	2.95	4.10	3.50						
Farmington	1.10	0.90	1.14	1.89	2.89	4.95	4.42	3.78	4.55	8.75	1.12	1.91	37.40
Fergus Falls	0.66	0.41	0.82	2.01	3.11	2.51	4.10	2.96	3.91	1.18	1.56	0.64	23.87
Floodwood	0.59						6.28	4.06	3.20	1.12	1.16	1.37	
Fort Ripley	0.30	0.12	0.13	1.63	3.40	4.32	3.07	3.78	3.53	3.06	1.17	0.53	25.04
Fosston	0.31	0.93	1.80	1.36	4.72	2.37	2.07	2.61	2.13	1.28	1.01	0.56	21.15
Fram	0.72	0.65	T.	1.81	2.49	3.35	1.75	3.15	1.92				
Glencoe	1.15		T.	1.97	1.64	5.00	3.95	3.40	2.40	7.60	0.70	3.15	
Grand Meadow	1.09	1.45	0.60	2.44	6.57	3.83	4.62	13.34	4.58	8.22	1.64	3.15	51.53
Gull Lake Dam		0.21	0.38	2.19	2.29	2.45	5.25	3.52	2.32	3.52	1.15	0.46	
Hallock	0.74	1.40	0.02	2.81	4.34	3.94	2.66	2.86	2.25	1.77	0.90		
Halstad	0.43	0.85	0.50	2.87	5.76	2.98	2.96	3.30	2.05	1.50	0.70	0.26	24.16
Hinckley	0.40	0.50	0.69	2.67	3.79	3.99	3.38	3.35	6.21	2.38	1.50		
International Falls	1.75	2.90	0.96	0.90	2.07	4.25	2.03	6.43	1.00	0.62	2.05	1.65	26.61
Itasca State Park					4.93	3.22	3.03	6.38	3.46	1.18	0.94	0.55	
Lake Crystal		0.66	0.20	2.15	2.30	3.14	3.85	4.88	4.17	6.87	0.37	2.82	
Leech Lake Dam	0.58	1.39	1.58	1.44	3.93	3.18	3.05	5.30	2.61	1.25	1.19	0.74	26.24
Littlefork	0.14	0.85	0.59	0.58	1.73	3.71	1.98	6.42	1.33	0.29	1.07	0.91	19.60
Long Prairie		0.10	0.50	1.95	2.33	3.29	3.59	4.11	3.92	2.97	0.60		
Lynd	1.00	0.56	0.66	2.38	1.69	1.93	4.30	4.52	1.98	6.93	0.42	0.80	27.17
Mankato	0.99	0.63	0.30	2.14	2.48	4.40	3.97	4.68	3.36	7.60	0.27	1.84	32.66
Milaca	0.28	0.70	0.30	2.36	4.66	3.69	4.69	4.03	4.71			0.62	
Milan	1.35	0.60	0.35	2.80	1.05	5.75	3.25	2.95	3.07	4.15	1.35	1.10	27.77
Minneapolis (Weather Bureau)	0.71	0.89	1.25	2.55	4.10	6.93	4.62	3.65	5.83	6.42	1.25	1.95	40.15
Minneapolis (No. 1)	0.69	0.80	1.17	2.65	4.48	7.30	4.53	3.95	6.25	5.87	1.13	1.96	40.78
Montevideo	0.89	0.55	0.43	1.86	1.25	5.17	4.39	2.20	2.97	3.99	2.26	0.68	26.64
Moorhead	1.07	0.63	0.23	1.95	3.92	2.62	2.38	2.96	2.15	1.02	1.03	0.65	20.61
Mora	0.64	0.86	0.72	2.80	4.03	5.16	3.28	3.56	5.06	2.65	1.78	1.53	32.07
Morris	0.85	0.31	0.50	1.83	3.72	4.93	4.89	2.84	3.47	2.72	1.37	0.80	28.23
New London	0.75	0.27	0.34	1.77	6.31	5.71	5.96	2.28	3.55	3.37	0.85	0.84	32.00
New Richland	0.52	0.81	0.49	1.20	4.08	2.80	3.47	5.01	2.80	8.11	0.38	3.27	32.94
New Ulm	2.50	0.60	0.70	2.88	2.85	4.40	5.06	4.90	3.10	8.71	0.83	1.81	38.34
Osakis	0.37	0.43	0.30	2.03	2.24	3.65	3.14	2.79	3.01	3.39	0.77	0.55	22.67
Park Rapids	0.61	0.59	0.73	1.57	3.16	2.93	3.06	5.83	3.28	1.28	0.89	0.62	24.55
Pine River Dam	0.30	0.53	0.80	1.97	2.42	2.94	4.25	2.78	2.89	1.78	0.46	0.39	21.51
Pipestone	0.90	0.75	0.11	1.98	1.42	2.93	2.41	3.55	4.58	6.38	T.	0.55	25.56
Pokegama Falls	0.54	1.00	1.24	1.51	3.50	4.49	4.73	4.63	4.72	0.91	0.77	0.51	28.55
Red Lake	0.96	1.08	0.35	0.90	2.07	3.92	2.51	2.05	2.67	1.01	1.31	0.43	19.26
Red Wing (River)	1.30	1.16	1.15	2.10	3.28	5.34	4.52	4.63	4.14	9.60	1.34	2.84	41.40
Redwood Falls	1.35	1.10	0.20	2.57	1.16	2.92	5.02	3.64	2.62	7.53	1.30	1.87	31.28
Reeds Landing	0.37	0.45	0.47	0.78	3.98	3.64	2.04	5.71	4.83	8.69	1.09	2.02	34.67
Rochester	0.70	1.65	0.65	1.86	4.17	3.38	2.15	6.08	2.74	9.11	1.63	2.61	36.73
Roseau	0.34	0.67	0.17	1.77	3.52		2.68	5.52	1.47				
St. Charles	1.01	0.74	0.75	1.51	4.33	3.94	2.24	8.78	2.67	7.89	1.74	1.65	37.25
St. Cloud	0.55	0.37	0.87	2.19	5.86	5.28	3.33	3.56	3.41	4.87	1.65	0.75	32.69
St. Paul	0.73	0.87	0.74	2.22	3.99	5.79	5.15	5.50	5.27	7.55	1.12	1.51	40.44
St. Peter		0.70	1.00	2.18	3.57	3.55	4.35	3.39	3.89	6.73	0.20	0.77	
Sandy Lake Dam	0.31	0.71	0.70	1.54	3.47	2.13	5.08	2.43	3.27	1.08	0.63	0.61	21.96
State Sanatorium	0.29	0.85	1.22	1.53	3.95	2.72	3.73	4.63	2.90	1.36	2.21	0.99	26.38
Stephens Mine	0.75	1.01	1.67	0.80	3.36	3.13	3.62	5.40	4.13	0.80	1.40	1.31	27.38
Stillwater	1.05	1.32	0.70	1.90	2.04	8.68	4.60	5.06	3.97	7.31	1.08	1.29	39.00
Taylors Falls		0.53			3.39	4.81	4.24	3.24	5.56	5.95	1.30	0.90	
Two Harbors	0.52	1.82	0.64	1.22	4.70	2.23	3.16	4.45	7.00	1.00	1.40	2.27	30.41
Virginia	0.82	0.82	1.72	0.86	2.55	3.36	3.68	5.54	3.41	0.74	1.58	1.23	26.31
Warroad	1.02	0.94	0.35	1.00	3.12	4.63	2.70	2.14	2.10	1.38	1.95		
Winnebago	1.25	1.20	0.20	2.47	2.43	1.66	3.74	3.87	3.23	5.47	0.48	3.01	29.01
Winnibigoshish	0.68	1.44	1.49	1.17	4.11	3.47	2.84	6.23	2.30	1.14	1.22	0.95	27.04
Winona	0.93	0.95	0.81	1.13	4.02	4.91	2.08	3.76	2.90	7.54	1.17	1.63	31.83
Worthington	1.00	0.78	T.	1.37	2.43	1.51	1.39	7.48	5.49	5.26	0.24	1.82	28.77
Zumbrota	0.67	1.13	0.84	1.89	5.39	4.31			3.19	10.23	0.67	1.93	
Mississippi.													
Aberdeen	6.28	6.00	2.19	11.33	3.62	7.49	5.83	5.85	0.34	1.52	3.84	10.10	64.39
Agricultural College	5.52	3.75	1.45	10.07	1.92	5.88	6.24	5.10	0.20	1.28	4.28	11.83	57.52
Anguilla	5.73	4.51	2.53	8.50	0.71	5.59	6.01	4.59	0.10	0.80	4.67	18.00	61.74
Austin	1.66	5.03	2.49	12.98	0.39	4.52	3.81	6.43	0.72	0.99	3.60	12.25	54.87
Batesville	2.54	4.48	3.13	10.65	0.92	5.31	3.36	5.33	0.77	1.58	3.98	16.01	58.06
Bay St. Louis	2.69	1.28	6.09	11.62	2.85	4.27	3.85	8.58	0.52	2.50	3.78	8.96	56.99
Big Creek	5.11	6.49	2.85	11.62	5.43	5.63	6.29	8.46		2.27	4.03	12.80	
Biloxi	1.50	2.64	5.52	11.29	3.40	6.59	5.02	5.02	3.42	4.37	3.95	12.25	64.97
Booneville	3.63	6.61	2.87	9.89	0.88	3.98	9.65	6.19	1.85	1.76	3.70	13.01	64.02
Brookhaven	3.51	1.64	0.88	6.69	1.82	4.87	7.62	6.18	1.94	3.33	6.25	7.61	52.34
Byhalia	2.22	4.51	2.42	14.67	1.22	2.15	5.23	6.43	1.50	0.88	3.35	10.90	55.48
Canton	4.87	2.67	1.84	10.85	0.07	3.52	5.05	6.51	0.42	1.06	4.48	11.07	52.41
Charleston	3.70	5.81	3.15	10.52	0.60	5.78	2.95	4.50	0.82	2.20	3.62	19.19	62.84
Clarksdale	2.42	4.95	2.90	14.47	0.24	3.95	4.99	13.15	0.91	1.62	3.03	12.56	65.19
Cleveland									0.66	2.05	3.15	19.15	
Coffeeville	4.85	6.62	4.11	12.02	0.75	2.79	3.51	6.14	2.30	3.13	3.90	14.07	64.19
Columbia	6.10	1.37	1.53	4.74	4.00	5.80	7.65	6.55	5.82	3.47	5.28	9.81	62.12
Columbus	3.50	4.73	1.26	8.35	3.58	3.16	6.79	4.71	0.13	1.18	4.62	10.23	52.24
Corinth	3.48	5.76	2.27	9.32	1.36	4.11	6.49	9.03	3.64	4.70	3.92	13.26	67.34
Crenshaw	1.79	3.81	2.92	13.32	2.61	5.59	3.95	8.27	0.38	0.75	2.83	11.19	57.41
Crystal Springs	6.69	3.22	1.07	5.65	3.98	6.13	7.36	4.53	2.41	2.77	5.04	9.69	58.54
Denmark	3.14	5.51	3.10	11.82	1.91	3.31	7.58	5.65	0.15	3.45	2.97	13.25	61.84
Duck Hill	5.69	6.12	2.79	10.34	0.84	5.17	4.15	5.21	0.43	2.93	3.55	15.20	62.42
Edinburg	4.86	3.49	1.45	7.31	0.59	6.67	5.05	8.47	0.47	0.53	4.84	8.81	52.54
Edwards	5.55	3.49	1.94	13.35	1.82	3.35	5.38	3.41	3.05	0.85	4.75	13.41	60.35
Enid	3.17	4.12	3.28	9.63	1.35	3.51	3.20	7.57	0.88		3.47	18.06	
Enterprise	5.14	2.14	1.24	6.83	2.35	3.84	6.92	4.88	1.28	3.80	5.79	10.16	54.37

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Mississippi—Continued.													
Fayette	5.24	1.23	1.50	7.03	1.23	2.72	10.38	6.37	2.83	0.63	5.61	12.06	57.43
Fulton	5.20	6.49	3.03	13.23	1.52	2.55	4.30	7.35	0.06	2.44	4.18	12.06	62.41
Greenville	3.43	5.67	3.21	8.14	1.21	3.52	4.15	13.20	4.04	2.68	3.62	19.97	72.84
Greenwood	4.74	6.02	3.27	8.24	0.88	6.60	1.63	7.43	0.05	2.76	4.02	16.67	62.31
Grenada	3.62	6.08	2.26	10.35	0.60	2.74	3.23	5.21	0.67	2.42	3.47	14.15	54.80
Hattiesburg	.....	1.16	2.04	8.45	4.27	5.05	8.52	2.96	1.56	0.96	4.38	5.50	.....
Hazlehurst	4.43	2.44	1.00	5.75	1.44	3.37	7.47	5.30	2.65	1.33	4.10	8.63	47.91
Hernando	1.77	3.70	2.56	14.31	1.70	2.86	4.54	5.08	1.23	1.00	3.19	10.52	52.46
Hickory	5.95	2.50	.....	5.86	2.86	4.66	4.41	6.76	3.37	1.40	6.79	10.94	.....
Hickory Flat	3.39	4.90	3.04	11.39	4.16	2.49	8.10	5.32	1.20	3.21	3.62	17.16	67.98
Holly Springs	2.52	4.77	3.03	13.03	3.62	1.72	5.07	8.81	2.35	2.89	3.64	14.02	65.47
Jackson	5.28	2.95	1.29	7.95	2.07	4.39	6.05	5.67	1.34	0.78	4.50	10.89	53.16
Kosciusko	6.61	5.71	1.83	5.85	2.38	5.51	6.07	4.44	0.79	1.01	4.06	9.56	53.82
Lake	5.55	2.50	1.50	6.27	1.78	5.83	4.68	6.48	1.30	0.60	3.88	8.50	48.87
Lake Como	5.36	2.20	1.28	6.76	0.84	6.88	9.76	5.52	1.52	1.08	.....	.....	.....
Lake Cormorant	1.93	4.73	2.20	11.70	2.85	2.63	2.81	3.87	0.26	0.47	3.17	9.83	46.45
Laurel	6.40	1.55	1.47	7.58	1.85	7.35	6.01	6.90	2.57	1.72	5.66	8.87	57.93
Leakesville	4.51	2.36	3.15	9.02	5.06	2.47	7.65	7.25	4.59	3.89	4.55	9.61	64.11
Louisville	4.84	4.18	1.68	8.48	1.63	5.66	6.02	3.69	1.27	1.27	4.55	10.00	53.27
Lula	1.96	3.77	2.99	11.41	0.29	4.79	6.21	5.57	0.14	0.27	3.09	11.69	52.18
McNeill	4.20	2.32	5.51	11.08	2.91	5.96	8.94	6.57	7.54	4.18	3.38	6.16	68.75
Macon	4.88	3.11	1.67	8.20	1.65	4.28	7.06	2.90	0.89	1.69	5.41	12.08	53.82
Magnolia	4.75	0.79	0.75	5.50	2.15	6.78	7.71	8.04	6.20	3.03	4.51	6.28	56.49
Malone	3.47	4.14	3.06	12.85	6.69	2.56	7.04	9.89	0.41	1.76	3.76	15.29	70.92
Marks	2.71	5.04	3.00	13.02	1.05	3.61	2.69	10.73	0.06	1.76	2.65	14.51	60.63
Meridian	5.22	1.88	1.09	7.35	1.38	4.18	5.78	5.23	3.09	2.56	5.82	8.95	52.53
Merrill	4.04	0.56	4.38	10.28	4.62	5.73	13.26	8.00	6.94	3.58	4.50	9.52	75.41
Monticello	3.54	1.20	1.99	7.72	1.84	7.74	7.08	6.09	1.85	3.58	5.75	8.17	56.55
Natchez	5.14	0.91	1.50	7.24	1.61	2.81	15.50	5.51	3.16	0.76	5.90	17.51	67.55
New Albany	3.21	4.97	2.35	11.06	2.31	3.42	4.98	6.04	0.76	3.02	3.19	11.16	56.47
Okolona	4.91	5.59	3.01	13.53	1.40	3.06	6.38	8.01	1.84	1.74	4.28	10.89	64.64
Pascagoula	2.04	0.63	5.86	8.74	3.51	3.47	8.83	10.80	4.80	6.51	.....	.....	.....
Pearlington	2.28	0.56	4.32	8.16	2.92	5.47	10.92	5.73	3.94	3.39	3.81	7.24	58.74
Pontotoc	3.57	0.37	2.94	11.29	2.44	4.73	6.38	6.29	1.44	1.84	3.25	13.61	64.15
Porterville	.....	3.42	1.37	6.69	2.39	4.49	3.19	5.63	1.59	2.80	6.75	8.89	.....
Port Gibson	4.55	1.49	1.34	7.97	2.95	5.78	8.50	6.00	0.92	0.53	4.97	14.62	59.62
Rosedale	1.73	5.48	3.51	10.86	0.20	5.74	4.15	12.66	0.56	0.87	3.01	13.54	62.31
Senatobia	2.07	4.09	2.90	15.74	1.60	2.83	4.81	7.72	0.38	0.59	3.75	13.44	59.92
Shoccoe	5.60	2.99	0.85	10.58	0.22	3.03	5.12	3.08	1.32	0.55	3.80	9.97	47.11
Shubuta	6.54	2.36	1.44	7.02	3.82	5.64	7.28	3.72	1.81	2.53	5.80	9.13	57.09
Suffolk	3.31	0.98	1.40	6.19	1.24	6.51	12.76	3.80	3.25	2.62	5.37	9.67	57.10
Swan Lake	3.26	5.46	3.47	11.20	2.15	2.50	1.75	.....	T.	.....	.....	18.06	.....
Tchula	5.74	4.74	2.69	8.84	1.00	4.72	3.90	7.31	1.88	1.11	3.68	15.90	61.51
Tupelo	.....	.....	.....	.....	.....	2.11	8.00	5.50	1.36	1.87	2.21	14.31	.....
University	2.55	4.70	2.88	11.63	3.88	4.28	.....	.....	.....	2.68	3.72	.....	.....
Utica	3.89	2.05	1.22	9.17	0.70	7.11	5.28	3.20	1.72	0.94	4.27	13.48	53.03
Vicksburg	4.70	4.64	1.80	11.41	0.65	2.07	6.22	2.86	2.47	0.67	4.83	13.77	56.09
Water Valley	3.25	5.42	3.39	12.30	1.65	3.50	5.15	9.17	1.55	2.92	5.14	16.55	69.99
Waynesboro	4.75	2.26	2.51	8.57	2.91	4.74	11.44	6.10	8.06	2.29	6.41	10.04	70.08
Woodland	6.05	4.80	2.64	10.99	2.68	4.38	7.96	5.55	0.00	1.40	5.09	10.81	62.35
Woodville	2.70	1.13	1.51	5.76	1.74	5.40	13.97	6.14	3.22	1.72	5.27	12.17	61.33
Yazoo City	5.42	4.33	2.14	8.70	2.24	4.30	6.64	6.35	0.68	0.80	4.41	15.00	61.01
Missouri.													
Amoret	T.	4.10	0.18	4.88	2.07	0.66	2.47	3.05	3.63	4.17	1.50	1.57	28.28
Appleton City	0.16	3.69	3.37	6.18	0.64	0.81	2.83	2.86	6.02	2.34	2.34	1.27	32.51
Arthur	0.04	5.83	1.14	3.89	1.89	0.56	6.52	3.12	7.25	5.56	1.75	2.10	39.65
Arlington	.....	4.75	3.15	3.51	1.00	2.07	.....	.....	.....	.....	.....	.....	.....
Avalon	2.21	4.74	2.33	4.75	2.47	0.45	6.43	3.97	4.48	5.54	2.90	3.27	43.54
Bagnell	.....	6.29	1.42	4.91	0.35	.....	.....	.....	.....	.....	.....	.....	.....
Belle	0.55	2.80	1.52	3.12	0.97	2.07	2.33	4.40	2.66	1.98	3.35	2.38	28.13
Bethany	0.35	5.06	1.50	4.15	3.13	1.08	6.64	2.27	5.33	1.48	1.33	2.99	35.31
Birchtree	0.14	4.18	1.33	6.54	0.20	4.43	3.74	9.57	3.83	2.26	3.17	3.43	42.82
Bolivar	0.25	3.27	2.57	3.66	0.87	2.22	3.02	4.83	7.48	5.08	3.18	2.09	38.52
Boonville	0.60	3.17	2.01	5.71	1.42	1.06	1.25	2.12	10.66	3.50	2.81	3.18	37.49
Brunswick	1.29	4.08	1.98	5.76	2.16	0.42	3.96	2.30	11.47	2.90	2.48	2.76	41.56
Cardwell	.....	.....	.....	.....	.....	.....	.....	11.36	3.91	0.30	3.18	4.40	.....
Cape Girardeau	0.37	0.85	0.32	1.29	0.70	1.29	2.97	.....	.....	.....	.....	.....	.....
Caruthersville	0.93	2.68	0.81	8.21	0.26	2.88	3.25	4.73	4.95	1.46	3.85	4.19	38.20
Cassville	0.22	3.17	2.07	5.42	0.60	2.12	7.24	4.89	5.59	1.68	3.22	3.20	39.42
Columbia	0.96	3.04	1.54	5.65	1.27	0.59	3.03	1.86	8.87	3.87	2.49	2.94	36.11
Clinton	0.36	.....	.....	.....	.....	.....	.....	.....	.....	3.13	3.10	1.88	.....
Conception	0.45	3.50	1.13	2.49	3.14	0.62	4.81	3.07	6.68	4.78	1.23	2.26	34.16
Crocker	.....	.....	.....	.....	.....	.....	.....	2.62	4.29	3.80	4.63	2.74	.....
Dean	0.50	2.54	2.69	5.92	1.12	2.39	6.29	5.47	3.92	1.80	3.79	3.14	39.57
Doniphan	1.07	3.40	1.67	5.93	0.56	5.85	6.03	5.52	4.78	1.69	3.53	4.05	44.08
Eldorado Springs	0.25	5.97	1.26	4.95	0.13	2.00	2.72	3.88	4.50	5.16	2.39	1.67	34.88
Fayette	0.83	3.27	2.53	5.50	0.96	0.83	1.35	1.94	9.37	4.27	2.76	2.94	36.45
Fulton	0.87	3.38	1.32	7.08	1.66	.....	2.56	3.56	7.74	3.33	2.45	3.52	.....
Gano	0.52	3.18	2.00	5.68	0.99	1.96	3.11	3.49	2.65	3.75	2.56	2.76	32.64
Glasgow	0.47	2.01	0.47	6.56	0.83	0.53	1.09	1.71	8.46	5.48	2.35	2.50	32.46
Goodland	0.55	3.75	2.02	9.30	0.24	1.48	2.49	2.85	4.98	2.80	2.52	3.88	36.86
Gorin	2.95	2.79	2.26	4.72	2.69	0.64	3.77	1.39	11.31	1.99	2.34	2.06	38.91
Grant City	0.78	4.16	2.05	2.26	3.72	0.69	1.38	2.92	4.84	6.45	1.47	3.33	34.07
Greenville	0.65	3.98	1.80	7.05	0.60	5.06	2.34	6.87	3.19	.....	.....	.....	.....
Hannibal	1.82	2.38	2.57	3.56	0.70	1.32	2.58	1.46	11.64	1.66	2.30	2.48	34.47
Harrisonville	0.42	6.11	1.32	2.09	0.76	0.11	2.86	7.33	4.73	3.70	1.91	2.79	34.04
Hazelhurst	3.85	7.42	1.93	2.58	4.60	0.86	3.10	1.41	6.96	4.42	1.67	2.53	40.95
Hermann	0.81	2.82	1.61	6.30	2.19	2.09	2.93	5.80	7.04	4.46	2.44	2.24	40.73
Houston	0.35	3.80	1.46	5.88	0.25	3.07	5.40	6.00	6.49	2.99	2.00	4.00	41.19
Hollister	0.00	4.90	1.86	5.40	0.70	3.12	7.42	9.50	8.60	3.27	2.45	2.75	49.97
Ironton	0.54	3.42	1.73	6.12	2.17	3.01	0.87	4.95	5.18	2.40	2.68	3.46	36.53
Jackson	0.70	3.32	1.45	5.02	0.32	1.74	2.13	4.98	4.79	1.75	2.68	2.84	31.72
Jefferson City	0.94	3.58	1.27	4.69	1.51	0.96	1.62	4.29	5.00	2.69	2.19	2.13	30.87
Joplin	0.24	2.20	0.69	.....	0.99	1.69	11.82	7.28	3.40	2.54	2.92	.....	.....
Kansas City	0.61	6.76	1.06	3.03	1.10	0.33	1.44	2.31	6.17	4.06	2.17	2.74	31.78

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Missouri—Continued.													
Kidder	2.15	5.76	1.58	2.55	4.15	0.36	1.85	2.45	3.71	6.00	1.27	2.29	34.12
Koshkonong	0.46	3.27	1.36	5.59	0.73	1.73	3.29	9.14	2.09	1.74	2.84	4.55	36.79
Lamar	0.08	3.75	2.26	5.47	0.90	2.11	9.13	8.95	5.95	3.50	3.20	1.78	47.08
Lamonte	0.39	3.83	1.59	4.27	1.52	2.54	1.65	2.52	5.81	3.93	1.52	2.63	32.20
Lebanon	0.50	4.38	2.68	2.88	0.36	1.77	3.86	4.53	7.25	3.79	3.84	3.30	39.14
Lexington	0.42	4.61	1.18	4.11	2.70	0.28	2.74	2.48	7.84	3.10	2.22	2.84	34.50
Liberty	0.55	6.77	1.30	2.25	2.09	0.08	1.28	2.30	5.41	2.64	1.62	3.22	29.51
Lockwood	0.32	4.63	1.29	3.75	0.29	1.55	9.61	9.27	6.64	4.08	3.09	2.45	46.97
Louisiana	3.02	3.02	2.86	5.03	1.25	2.56	2.73	3.47	8.38	3.44	1.95	2.09	39.80
Marble Hill	0.77	3.92	1.50	5.75	0.78	2.85	2.30	2.77	4.13	2.27	2.15	3.57	32.76
Marshall	0.52	3.05	1.41	7.88	2.79	0.24	1.61	2.09	10.78	4.05	2.49	3.06	39.97
Marshfield	0.10	.....	2.34	4.67	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maryville	0.93	4.22	0.80	1.94	2.81	1.06	3.37	2.86	3.93	7.47	1.15	3.40	33.94
Mexico	1.42	3.29	1.87	4.63	1.72	1.84	2.98	2.74	7.89	3.40	2.48	3.52	37.78
Mountain Grove	0.20	3.75	1.83	6.72	0.60	2.99	4.75	5.86	3.53	2.85	2.45	3.11	38.64
Mount Vernon	0.31	3.42	2.17	4.35	1.74	4.35	7.06	12.04	2.61	2.43	2.59	2.56	46.53
Neosho	0.28	2.67	1.94	4.70	2.49	1.51	9.70	9.04	4.76	1.84	4.03	3.80	46.76
Nevada	0.33	4.79	1.83	5.09	0.78	1.00	2.98	3.04	11.17	2.28	2.59	2.07	37.95
New Madrid	1.52	3.05	1.40	6.19	0.10	2.67	3.34	4.36	6.47	0.95	4.49	3.61	38.15
Oakfield	0.56	2.67	2.57	6.60	1.52	5.80	1.33	3.82	8.90	3.87	3.02	1.99	42.65
Olden	0.23	3.80	1.89	8.57	0.72	2.89	5.08	9.99	2.64	3.07	2.98	3.71	45.57
Oregon	0.83	4.36	0.79	3.82	4.72	0.28	2.92	3.58	7.05	1.89	0.78	2.07	33.09
Osceola	.....	.....	.....	3.56	0.48	1.91	2.77	.....	.....	.....	.....	.....	.....
Pattonsburg	2.90	5.31	1.96	2.70	3.52	0.61	2.32	2.16	4.70	5.50	1.81	2.76	36.25
Perryville	0.02	2.23	1.51	5.30	0.74	.....	.....	.....	.....	.....	.....	.....	.....
Rolla	0.50	3.47	2.23	3.96	1.91	1.86	2.77	2.09	3.68	3.91	3.06	3.04	32.48
Springfield	0.28	3.21	2.28	3.84	0.34	1.12	6.36	6.92	4.38	3.04	2.16	2.65	36.58
St. Charles	0.76	3.14	1.95	5.84	0.94	1.61	1.56	3.93	10.23	2.98	0.37	1.77	35.08
Steelville	T.	3.60	0.29	3.75	0.48	3.25	3.13	4.00	.....	2.85	.....	.....	.....
St. Joseph	1.76	6.19	0.84	1.98	5.31	0.27	4.16	4.43	5.72	5.44	1.56	2.29	39.95
St. Louis (1)	0.85	3.02	2.22	7.46	2.26	1.34	0.64	3.51	7.09	2.63	3.44	1.67	36.13
St. Louis (2)	.....	.....	.....	.....	.....	.....	.....	4.73	7.30	2.81	3.76	1.78	.....
Steffenville	2.61	2.93	2.21	5.08	1.45	1.57	7.30	1.91	13.48	3.17	2.32	3.15	47.18
Sublett	3.05	2.07	2.30	3.42	3.40	0.40	6.15	2.22	14.95	.....	2.75	4.12	.....
Trenton	3.30	7.24	2.13	3.12	4.18	1.12	3.63	1.85	12.06	2.76	1.54	3.13	46.06
Unionville	3.70	7.45	1.91	4.50	5.18	0.48	3.05	2.90	10.57	4.23	3.39	2.67	50.03
Vandalia	.....	.....	2.10	5.79	1.03	1.16	3.57	2.35	6.41	3.38	1.74	1.62	.....
Warrensburg	0.14	4.22	1.65	3.38	1.63	0.67	2.20	2.10	7.26	3.51	1.41	1.74	29.91
Warrenton	0.58	3.19	1.42	7.04	1.62	1.75	2.35	5.89	7.24	3.50	2.48	1.99	39.05
Warsaw	0.61	4.74	1.73	4.71	0.70	1.48	5.23	3.57	5.33	2.44	3.59	2.78	36.91
Wheatland	0.50	3.70	.....	4.87	.....	.....	.....	3.55	4.41	3.45	4.42	3.91	.....
Montana.													
Adel	1.35	3.25	0.57	1.81	4.22	2.83	2.46	3.66	2.70	2.63	1.31	1.90	28.69
Agricultural College	1.77	0.33	0.05	1.57	3.56	3.04	0.84	1.52	1.73	2.08	1.00	0.65	18.14
Anaconda	1.18	0.67	0.16	0.96	1.95	5.35	0.04	1.83	1.28	2.43	0.83	0.25	16.93
Augusta	0.75	0.70	0.17	0.84	2.99	4.76	0.91	1.70	2.23	2.39	1.16	0.30	18.90
Babb	3.04	1.87	0.59	0.70	3.44	3.23	2.45	2.83	5.07	0.39	3.09	0.40	27.10
Badger Creek	.....	.....	.....	.....	.....	4.26	0.61	2.94	4.73	.....	.....	.....	.....
Bald Butte	1.80	0.79	0.84	0.93	2.69	4.85	0.95	2.47	1.60	2.63	1.53	1.09	22.17
Big Timber	1.99	1.64	0.00	0.86	4.01	2.37	1.29	1.58	0.89	0.65	0.56	0.20	16.04
Big Timber Creek	2.39	0.62	0.02	1.34	5.44	3.43	2.60	2.95	1.77	0.92	1.47	0.35	23.30
Billings	1.35	0.08	0.11	0.97	3.24	1.59	0.90	0.89	0.50	0.71	0.28	0.31	10.93
Bison Mountain	2.99	1.96	1.24	2.30	2.34	3.69	0.15	.....	.....	.....	.....	.....	.....
Blackleaf	0.41	0.20	T.	0.57	5.10	5.86	2.86	3.59	6.93	1.42	1.52	0.24	28.70
Bloomfield	0.12	1.27	.....	1.11	3.58	2.09	1.36	.....	.....	.....	.....	.....	.....
Boulder Nursery	.....	.....	.....	.....	2.47	3.62	0.38	1.09	1.15	2.32	.....	0.64	.....
Bowen	1.00	0.29	0.08	0.82	1.34	3.60	0.53	0.98	1.35	2.77	1.14	0.78	14.68
Bridger	0.21	0.01	T.	1.43	1.81	1.20	1.27	0.67	0.39	0.42	0.37	0.04	7.82
Broadview Experiment Station	0.65	0.20	0.30	2.55	2.65	1.08	0.80	1.77	1.20	1.03	0.29	0.10	12.62
Busby	0.65	0.08	0.62	0.39	2.14	2.55	1.42	1.46	0.90	1.23	0.62	0.71	12.75
Busteed	1.55	0.36	0.07	0.78	3.26	2.12	1.18	2.69	1.09	1.10	0.36	0.13	14.69
Butte	1.70	0.60	0.20	2.35	2.20	3.30	0.40	1.70	1.20	3.30	0.95	1.12	19.02
Cabin Creek	0.66	0.29	0.17	1.22	1.71	2.50	0.26	0.56	1.02	1.36	0.34	0.08	10.17
Canyon Ferry	0.15	0.08	0.17	0.42	1.74	4.72	1.08	0.89	1.70	1.79	0.08	0.36	13.18
Cascade	0.88	1.08	0.37	1.31	2.40	3.45	1.18	2.77	2.83	1.68	0.87	0.65	19.47
Chessman Reservoir	1.61	1.24	0.47	1.93	3.44	5.11	1.18	1.55	1.94	3.11	1.58	0.83	23.99
Chester	0.92	T.	T.	0.64	1.78	2.68	1.42	1.34	3.99	1.20	1.24	0.40	15.61
Chinook	0.66	0.39	0.10	1.04	2.20	1.76	1.31	0.99	7.09	0.91	.....	.....	.....
Clear Creek	1.45	1.45	0.56	1.35	2.43	2.62	2.64	2.89	5.65	1.30	1.85	0.50	24.74
Clemons	0.72	0.63	0.30	0.70	3.30	3.56	1.47	2.33	3.64	2.15	0.73	0.26	19.79
Clydepark	1.00	0.29	0.02	1.25	3.57	2.90	0.76	1.47	0.85	0.55	0.66	0.26	13.58
Columbia Falls	.....	.....	0.28	.....	2.28	4.03	0.85	1.78	1.35	0.22	3.43	2.85	.....
Como	1.52	0.50	0.25	1.46	1.13	3.40	0.08	1.26	2.10	1.64	2.13	0.39	15.86
Conrad	.....	.....	0.06	0.26	2.33	4.25	0.65	2.45	4.71	1.02	0.22	.....	.....
Copper	1.46	0.47	0.23	0.22	3.18	2.92	0.94	1.84	1.92	0.66	0.67	0.82	15.33
Crow Agency	1.77	0.45	0.77	0.50	.....	2.15	1.01	0.87	0.54	1.41	1.21	1.44	.....
Culbertson	1.10	1.00	T.	0.72	3.88	1.48	0.95	0.99	4.41	1.10	0.60	0.50	16.73
Cummings	.....	.....	.....	1.65	2.16	1.23	1.16	1.48	.....	.....	.....	.....	.....
Cut Bank	0.46	0.44	T.	0.12	3.47	5.32	0.35	0.60	4.14	0.64	.....	0.10	.....
Denton	0.95	0.41	0.48	1.43	2.58	0.97	0.70	2.31	2.02	1.12	0.62	0.21	13.80
Dillon	1.29	1.23	0.07	1.33	3.26	2.30	0.56	1.44	1.03	1.65	1.76	0.80	16.72
Dirty Creek	1.58	0.72	0.44	1.62	4.08	3.63	1.61	2.66	1.78	0.87	1.91	0.64	21.64
Dry Creek	3.55	1.47	0.43	1.20	2.56	3.35	0.10	0.67	1.95	1.98	0.54	4.14	21.94
Dry Wolf Camp	1.95	0.57	0.62	0.91	3.28	4.97	1.40	3.54	1.81	1.34	0.60	1.23	22.22
East Anaconda	1.33	0.81	0.47	1.97	1.88	5.11	0.01	1.46	1.11	2.77	0.78	0.38	18.08
East Gallatin River	2.44	0.81	0.23	1.34	3.79	3.19	1.84	1.74	1.25	1.49	1.57	2.08	21.77
Ekalaka	0.09	T.	0.08	0.26	1.25	2.86	1.45	2.77	2.14	0.60	.....	.....	.....
Elkhorn	1.65	0.26	0.21	2.01	2.84	4.00	0.70	1.25	1.29	1.68	1.19	0.78	17.86
Evans	0.90	1.70	0.80	2.10	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fallon	0.51	0.05	0.00	0.41	3.69	4.60	1.18	2.04	2.51	0.30	0.10	0.32	15.71
Fish Creek	0.91	1.86	0.22	3.66	3.93	4.02	0.61	2.31	2.43	2.10	1.27	0.78	24.70
Flathead Creek	1.79	1.08	0.50	1.45	3.46	4.63	1.08	1.91	1.68	1.19	0.89	0.74	20.40
Forsyth	0.95	T.	0.24	0.35	1.60	.....	.....	.....	.....	.....	.....	.....	.....
Fort Benton	1.00	1.00	T.	.....	2.06	1.60	0.93	3.30	3.90	1.25	0.35	0.50	.....
Fortine	1.59	1.03	0.74	0.71	2.77	4.87	0.29	1.36	1.71	0.34	2.16	1.87	19.44

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Montana—Continued.													
Fort Shaw	0.28	0.52	0.34	1.04	1.57	2.54	1.25	1.60	1.72	1.43	0.41	0.29	12.99
Foster	0.64	0.08	0.46	0.77	1.76	2.27	0.73	0.90	0.76	1.10	0.50	0.42	10.39
Garneill	3.00	2.23	3.50	3.80	8.90	3.00	2.51	3.91	2.27	1.25	1.65	2.53	38.55
Glasgow	0.34	0.60	0.13	.....	2.09	1.03	1.01	1.83	4.63	1.00	0.65	0.27	.....
Glendive	.....	.....	0.25	1.09	4.35	2.21	0.63	1.83	3.13	0.80	0.65	0.48	.....
Goldbutte	0.53	0.30	0.23	0.17	1.70	5.91	1.25	1.93	5.40	0.40	0.44	0.22	18.48
Graham	0.32	0.06	0.18	1.02	1.03	1.29	0.95	3.02	2.26	1.17	0.62	0.45	12.37
Grayling	2.50	0.60	0.79	0.54	2.65	2.57	1.12	0.56	0.94	1.20	1.09	1.01	15.57
Great Falls	1.29	1.04	0.65	1.67	2.83	2.88	0.56	2.67	2.18	0.95	0.89	0.75	18.36
Half Moon Pass	3.18	0.60	1.87	4.45	11.75	4.44	3.45	.....	.....	.....	.....	.....	.....
Half Way House	2.26	2.38	0.76	1.06	2.97	4.21	1.15	1.89	2.96	2.74	1.58	2.04	26.09
Hamilton	1.01	0.23	0.00	1.16	0.76	2.99	0.87	1.62	1.90	1.99	1.05	0.53	14.11
Harlowton	1.45	0.45	0.45	0.44	4.13	2.11	0.59	1.77	.....	0.35	0.48	0.10	.....
Hat Creek	1.50	0.98	0.31	3.33	2.56	5.13	0.88	2.13	1.92	2.45	1.57	1.09	23.85
Havre	1.42	0.60	0.16	1.29	1.45	2.14	1.38	2.24	5.99	0.80	1.19	0.33	18.99
Helena	1.75	0.22	0.48	1.05	2.07	3.32	0.67	0.87	2.24	2.40	0.64	0.30	16.01
Highwood	0.99	1.00	0.42	1.62	3.65	2.23	1.42	2.85	3.17	3.11	1.59	1.57	23.62
Huntley	1.14	0.50	0.15	0.97	3.60	3.38	0.99	0.90	0.56	1.30	0.57	0.26	14.32
Jones Canyon	3.02	2.14	0.19	5.70	6.68	5.05	1.52	1.63	1.56	2.04	2.76	3.91	36.20
Jordan	1.05	0.40	.....	.....	.....	.....	.....	.....	.....	.....	0.60	.....	.....
Kalispel	0.49	0.48	0.51	0.58	0.96	3.83	0.78	1.44	2.75	0.84	2.49	0.95	16.10
Knobles Ranch	.....	.....	.....	0.64	2.38	5.35	3.01	2.04	8.47	1.84	0.74	0.46	.....m
Lewistown	1.54	0.46	0.67	1.64	5.18	3.12	1.75	4.15	1.81	1.96	1.32	0.57	24.17
Libby	.....	.....	.....	.....	.....	.....	1.43	2.14	.....	0.09	1.87	0.90	.....
Livingston	1.65	0.10	0.12	1.95	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lonetree	1.14	1.34	0.31	1.56	3.42	2.07	1.01	2.98	2.94	1.71	0.78	0.51	19.77
Lost Horse Creek	2.92	1.07	0.11	1.81	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lost Creek	0.71	0.71	T.	1.58	1.57	3.86	1.27	1.68	0.88	2.82	0.30	0.24	15.62
Malta	0.66	0.56	0.03	0.78	3.09	2.70	1.78	1.44	5.81	0.81	0.38	0.24	18.28
McGinnis Meadows	1.67	0.91	0.51	0.56	.....	.....	.....	.....	.....	.....	.....	0.58	.....
Medicine Lake	1.20	1.70	0.28	0.41	2.60	1.28	0.96	2.11	4.51	1.66	0.18	0.08	16.97
Melstone	0.33	0.48	0.25	1.17	4.18	1.47	0.88	1.90	.....	.....	.....	.....	.....
Mildred	0.15	0.02	0.08	0.25	3.43	2.87	1.20	1.67	2.13	0.51	0.21	0.50	13.02
Miles City	1.58	0.14	0.14	0.36	0.74	3.44	1.25	1.59	1.58	0.89	0.95	1.51	14.17
Missoula	0.68	0.41	0.11	0.72	1.00	3.38	0.21	0.43	1.31	2.32	0.58	0.84	11.99
Norris	0.62	0.56	0.20	0.31	4.20	4.34	0.55	0.90	1.43	1.40	0.53	0.47	15.51
Nye	2.15	1.05	0.17	.....	2.76	2.44	1.93	1.52	1.21	0.96	0.89	0.39	.....
Olsen Creek	1.24	0.47	0.04	1.56	2.20	3.92	0.66	1.71	1.34	2.40	0.55	0.86	16.95
Ophir	1.24	0.69	0.53	1.92	1.72	5.04	1.33	2.44	1.88	3.09	1.04	0.64	21.56
Ovando	3.13	1.45	0.90	1.46	0.78	4.51	0.91	1.18	1.18	2.76	.....	2.15	.....
Philipsburg	0.88	0.75	0.15	1.48	2.01	.....	.....	.....	1.18	3.57	1.31	0.53	.....
Pipestone Pass	1.11	0.63	0.24	1.50	2.80	4.34	0.78	1.35	1.94	1.67	0.87	0.88	17.61
Plains	0.50	0.30	0.20	0.30	0.73	2.51	0.18	1.38	3.16	T.	2.50	0.20	11.96
Pleasant Valley	1.87	1.82	0.77	0.70	2.27	3.45	0.53	1.72	4.01	0.30	3.67	1.26	22.37
Polson	1.14	0.62	0.37	0.54	1.61	5.11	0.42	0.98	2.40	1.66	2.04	0.59	17.48
Poplar	0.40	0.35	0.10	0.68	2.37	1.75	1.35	1.74	3.99	1.18	0.35	0.10	14.36
Proctor	.....	.....	0.10	0.13	.....	4.32	0.68	2.30	2.15	.....	.....	0.80	.....
Red Lodge	1.12	1.22	0.77	2.49	4.35	2.07	2.20	1.54	0.74	1.05	1.39	0.52	19.46
Renova	0.95	0.33	0.00	0.76	1.74	3.40	0.04	0.50	1.75	0.84	0.27	0.11	10.69
Ryegate	0.38	0.50	0.12	1.90	4.85	2.09	1.40	1.83	3.03	1.48	1.23	.....	.....
St. Ignatius	0.45	0.31	0.47	1.14	2.73	4.37	0.63	1.19	3.02	2.32	1.55	0.50	18.68
St. Regis	2.52	.....	0.57	.....	1.85	4.11	0.00	1.55	.....	.....	.....	.....	.....
Saltese	7.45	2.28	2.56	1.45	4.00	2.77	0.28	1.95	3.04	0.72	6.70	2.33	35.53
Seville	0.42	0.47	0.05	0.67	2.62	5.90	0.09	1.29	4.05	1.27	1.30	.....	.....
Shelby	.....	.....	.....	.....	.....	.....	.....	1.53	5.34	1.06	T.	.....	.....
Sidney	0.94	0.60	0.16	1.04	3.13	1.18	1.12	2.10	3.18	0.74	0.80	0.41	15.40
Snowshoe	7.92	3.19	3.98	1.92	6.95	.....	.....	.....	.....	.....	.....	.....	.....
Spokane Ranch	.....	0.22	0.54	0.51	1.62	2.94	0.72	0.93	1.20	1.95	0.21	0.24	.....
Springbrook	0.55	1.90	0.25	0.32	2.31	5.83	1.05	1.75	3.48	1.68	1.71	0.61	21.44
Stearns	2.08	0.81	0.00	1.94	3.14	4.84	1.37	2.78	3.52	2.38	1.23	0.44	24.63
Stevensville	.....	.....	.....	.....	.....	.....	.....	.....	1.31	2.85	0.83	0.28	.....
Sunlit Farm	.....	.....	T.	0.91	2.23	1.48	0.54	0.98	5.88	0.60	0.10	0.08	.....
Sun River Canyon	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.12	0.70	0.11	.....
Thompson Falls	.....	.....	.....	.....	.....	.....	.....	1.33	1.81	0.48	3.62	0.45	.....
Three Forks	.....	0.23	0.02	0.48	1.89	2.68	0.27	.....	1.34	1.08	0.30	.....	.....
Tokna	0.07	0.80	0.09	1.09	2.88	1.41	1.14	2.63	3.82	1.06	0.94	0.40	16.33
Trail Creek	1.14	0.96	0.72	2.82	3.97	4.19	1.45	1.79	1.73	2.07	1.28	0.98	23.10
Twin Bridges	.....	.....	.....	.....	.....	.....	0.44	.....	.....	.....	.....	.....	.....
Utica	0.62	0.51	0.81	0.92	4.05	5.17	1.12	5.37	1.02	1.19	0.62	0.20	21.60
Valentine	0.43	0.19	0.30	1.32	4.51	0.93	1.34	2.15	1.71	0.91	0.43	0.04	14.26
Valier	.....	.....	.....	.....	.....	.....	.....	3.43	4.27	0.92	0.34	0.04	.....
Virginia City	0.97	0.50	0.15	0.27	2.17	3.46	0.83	1.21	1.63	1.05	1.33	1.00	14.57
Wall Rock Mountain	1.63	0.33	0.30	0.45	3.40	2.33	0.93	1.40	1.66	1.46	1.01	2.17	17.07
Warm Springs Creek	0.97	0.57	0.50	.....	.....	.....	1.29	1.25	2.58	1.57	1.07	1.00	.....
Wheaton	.....	.....	.....	.....	.....	.....	.....	.....	1.63	1.08	0.65	0.30	.....
White Sulphur Springs	.....	.....	.....	.....	.....	.....	.....	.....	1.03	0.56	0.50	0.43	.....
Wilder	.....	.....	.....	.....	4.41	1.12	1.03	1.38	2.88	0.72	0.63	0.19	.....
Willow Glen Stock Farm	0.60	0.34	T.	2.08	2.03	3.91	0.13	1.51	1.16	3.26	0.60	.....	.....
Wolf Creek	.....	2.02	0.31	1.08	2.57	2.31	1.07	2.37	2.30	2.59	0.46	0.29	.....
Woodville	1.40	0.42	0.08	1.80	1.31	3.90	0.43	2.00	1.19	3.01	0.84	0.91	17.29
Nebraska.													
Ainsworth	0.30	0.93	1.16	4.08	5.50	2.47	1.07	3.36	2.81	6.78	0.19	0.82	29.47
Albion	0.30	1.24	0.64	2.33	2.38	4.64	1.97	2.42	2.52	3.27	0.66	1.20	23.57
Alliance	0.42	0.08	0.30	2.65	0.90	1.85	1.45	2.30	0.80	2.10	0.10	0.56	13.51
Alma	0.05	0.65	0.04	1.30	1.61	0.63	6.07	11.73	1.38	1.28	0.16	0.64	25.54
Arcadia	0.60	0.55	1.09	2.39	3.64	1.50	4.28	3.11	1.93	4.24	0.10	0.62	24.05
Arden	.....	.....	.....	.....	.....	.....	2.93	2.97	2.50	3.77	0.02	1.54	.....
Ashland	0.21	2.30	0.44	2.04	4.68	0.54	1.90	1.76	1.84	0.93	0.16	2.18	18.98
Ashton	0.20	0.16	0.13	1.93	2.84	1.78	4.35	2.73	2.22	4.05	0.09	0.36	20.84
Atkinson	0.04	1.00	0.33	4.28	1.68	0.88	1.38	3.08	1.56	6.49	0.20	0.55	21.47
Auburn	0.46	4.00	1.00	3.30	2.54	0.38	1.90	3.23	3.87	6.79	0.55	2.37	30.39
Aurora	0.30	.....	0.30	2.48	2.28	0.56	5.97	4.97	3.95	2.50	0.27	1.24	.....
Beatrice	0.13	2.53	0.93	1.91	2.04	0.93	11.56	2.82	4.75	2.69	0.60	2.43	33.32
Beaver City	0.17	0.83	0.02	1.51	2.06	1.45	7.91	9.97	1.33	1.88	0.16	0.57	27.86
Bellevue	0.40	3.01	1.27	1.87	4.29	0.92	0.88	3.17	3.65	2.10	0.58	3.50	25.04
Benkelman	0.07	0.50	0.10	2.38	2.20	0.20	1.10	1.78	1.40	2.37	0.04	1.60	13.74

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska—Continued.													
Bertrand	0.05	0.64	0.20	1.46	2.67	1.36	4.96	6.14	1.98	2.98	0.10	0.80	23.34
Blair	0.05	1.57	0.94	2.37	3.75	1.23	1.20	1.84	1.17	1.58	0.20	3.23	19.13
Bloomfield	0.10	2.70	0.45	3.26	1.40	2.66	2.97	2.27	1.63	5.63	0.56	0.85	24.48
Bradshaw	0.20	0.78	0.22	2.77	2.44	0.35	6.26	8.64	7.21	3.20	0.22	1.90	34.19
Bridgeport	0.60	T.	T.	2.62	0.30	3.48	1.03	1.47	0.15	1.68	0.10	0.40	11.83
Broken Bow	0.19	0.33	.....	.....	4.04	0.64	4.31	3.74	2.25	4.66	T.	0.70	.....
Bruning	.....	.....	.....	.....	.....	.....	.....	.....	2.70	0.93	0.28	1.87	.....
Burge	0.20	0.48	0.25	3.50	2.30	1.15	2.31	2.95	2.35	.....	T.	0.65	.....
Butte	0.20	1.72	0.16	4.78	1.50	0.97	0.76	1.76	1.27	6.36	0.08	0.46	20.00
Cairo	0.24	0.95	0.60	1.36	2.16	1.25	2.88	6.05	0.96	3.86	T.	1.38	24.83
Callaway	0.59	0.75	0.65	4.14	2.61	0.60	3.58	4.48	2.58	.....	0.05	0.55	.....
Cambridge	0.20	0.66	0.15	2.47	1.64	0.17	5.90	6.89	0.54	3.06	0.10	1.10	22.88
Columbus	0.30	1.78	0.85	2.50	5.51	1.61	2.03	4.05	0.79	3.87	0.20	1.32	25.01
Cozad	.....	0.60	0.37	2.49	2.48	1.65	4.47	4.89	2.33	2.44	T.	0.70	.....
Creighton	0.41	1.89	0.67	5.36	1.08	2.50	1.76	.....	.....	5.50	.....	.....	.....
Crete	0.05	2.17	0.45	2.46	4.49	T.	3.48	3.71	3.80	2.70	0.07	2.04	25.42
Culbertson	0.16	0.38	0.22	2.03	2.26	0.58	2.58	3.29	0.63	1.98	T.	1.70	15.81
Curly	0.62	0.35	0.30	3.07	0.76	.....	1.71	0.64	0.99	1.69	0.45	0.50	.....
Curtis	0.60	1.00	0.50	4.16	4.54	1.90	6.50	6.28	3.79	3.10	0.53	0.90	33.80
David City	0.40	1.59	0.43	3.41	3.64	0.85	1.53	2.89	1.83	2.21	0.18	2.04	21.00
Dawson	0.60	.....	0.50	.....	.....	.....	3.19	4.02	.....	.....	.....	.....	.....
Du Bois	0.85	5.09	0.74	2.35	2.09	1.80	8.55	5.68	5.29	10.26	0.67	2.45	45.83
Dumas	0.06	0.80	1.00	1.54	2.05	1.03	3.20	2.44	2.00	5.09	.....	.....	.....
Ellis	0.20	2.85	0.20	2.60	1.30	0.20	4.60	4.24	3.15	5.60	.....	.....	.....
Elm Creek	0.29	0.75	0.44	2.10	3.00	1.64	4.10	5.86	3.94	3.51	T.	1.15	26.78
Elsie	1.00	0.50	0.06	1.58	2.35	0.64	1.98	1.81	0.67	3.45	0.07	1.20	15.31
Ericson	.....	.....	.....	.....	.....	.....	2.15	3.68	1.42	4.39	0.08	0.50	.....
Ewing	0.32	0.95	0.75	2.96	1.67	1.59	3.02	2.93	1.28	4.92	0.50	0.92	21.81
Fairbury	0.05	2.51	0.95	2.46	2.03	1.05	2.66	6.29	6.33	1.28	0.43	2.41	28.45
Fairmont	0.20	1.89	0.32	2.09	2.20	0.23	3.58	3.79	2.93	1.16	0.22	1.75	20.36
Fort Robinson	0.68	1.75	0.23	1.91	1.72	1.12	0.68	2.68	0.76	2.64	0.18	0.47	14.82
Franklin	T.	0.97	0.05	1.25	1.63	0.41	4.47	8.08	1.75	1.11	0.15	1.25	21.12
Fremont	0.40	1.48	0.70	2.22	3.08	1.59	2.39	1.34	1.10	1.88	0.15	2.60	18.93
Fullerton	0.70	0.84	0.76	3.66	7.33	2.77	1.45	2.12	8.01	4.67	0.55	2.82	35.68
Geneva	0.20	1.73	0.55	1.56	2.70	1.69	4.79	3.83	5.80	0.96	0.08	2.07	25.96
Genoa	0.10	1.46	0.37	2.72	5.28	1.64	2.12	2.54	3.17	3.96	0.21	1.68	25.25
Gordon	0.50	0.03	0.75	4.10	0.43	0.68	1.39	3.58	1.23	1.97	0.47	1.20	16.33
Gosper	.....	0.63	0.07	2.20	2.13	3.92	4.82	6.21	3.70	2.74	0.08	0.50	.....
Gothenburg	0.20	0.34	0.27	2.85	2.53	1.58	2.81	3.93	3.50	3.10	T.	0.53	21.64
Grand Island	0.35	0.50	0.41	1.44	2.71	1.02	5.60	6.84	5.54	3.75	0.02	1.38	29.56
Grant	0.45	0.42	0.20	2.20	1.86	4.11	1.08	1.64	0.81	3.26	0.20	1.55	17.78
Greeley	1.32	1.28	0.94	1.54	3.62	4.37	2.76	1.63	0.73	3.65	0.34	1.66	23.84
Guide Rock	0.10	1.55	0.24	2.35	2.06	1.61	7.63	6.27	3.32	1.00	0.15	1.88	28.16
Halsey	0.25	0.62	0.33	4.49	2.53	0.79	4.91	2.39	0.80	4.81	0.05	0.85	22.82
Hartington	0.20	1.80	0.27	1.10	2.77	4.49	3.22	4.58	0.85	5.18	0.55	1.10	26.11
Harvard	0.13	0.82	0.56	2.05	1.88	.....	.....	.....	.....	.....	.....	.....	.....
Hastings	0.42	0.60	0.54	1.23	1.66	0.38	5.93	6.15	3.63	1.48	0.30	1.50	23.82
Hayes Center	0.40	0.80	0.35	3.25	2.10	0.82	2.00	4.45	1.34	4.05	0.28	1.10	20.94
Hay Springs	0.30	0.40	0.50	4.58	1.93	0.49	1.54	3.57	1.15	1.66	1.05	0.35	17.52
Hebron	0.10	1.96	0.20	1.45	2.41	0.75	3.93	6.13	2.40	1.85	0.25	1.73	23.16
Hemingford	0.36	0.28	0.17	1.73	1.15	1.12	1.61	2.15	1.07	1.98	0.25	0.26	12.13
Hendley	0.30	0.90	0.02	1.35	2.27	0.59	5.39	7.82	0.87	1.86	0.10	1.10	21.57
Hershey	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.37	0.02	0.86	.....
Hillside	0.31	0.24	0.17	2.54	1.41	0.81	3.38	1.98	1.12	4.04	0.19	0.55	16.74
Holdrege	0.60	0.88	0.30	1.28	2.62	1.60	4.14	6.19	0.96	2.27	0.04	1.00	21.88
Hooper	0.35	1.15	0.97	1.20	3.70	2.92	1.47	1.98	2.47	2.33	0.30	2.53	21.37
Hull (near)	.....	.....	.....	.....	.....	.....	0.78	1.30	0.71	1.95	0.40	0.64	.....
Imperial	0.42	0.37	0.22	2.55	2.19	1.29	1.10	3.45	1.44	2.92	0.10	1.32	17.37
Kearney	0.15	0.40	0.10	1.75	1.45	1.28	3.15	5.38	3.29	2.31	T.	0.55	19.81
Kimball	0.91	0.48	0.20	0.88	0.49	1.49	1.18	0.80	1.42	0.91	0.25	0.45	9.46
Kirkwood	0.15	1.00	0.37	2.63	3.62	1.35	1.85	2.86	1.46	6.95	T.	0.50	22.74
Kowanda	0.36	0.04	0.00	2.27	1.17	3.18	1.25	2.94	0.50	2.07	T.	1.05	14.83
Lamar	.....	.....	.....	.....	.....	.....	0.85	2.50	0.86	3.56	0.10	1.16	.....
Lexington	0.60	0.51	0.29	2.04	2.19	2.70	3.41	4.79	1.84	2.86	T.	0.50	21.73
Lincoln	0.18	2.01	0.43	2.56	3.95	0.56	1.83	4.32	4.84	1.63	0.05	2.24	24.80
Lodgepole	0.55	T.	T.	1.97	1.31	2.03	0.67	1.14	0.26	2.01	0.20	0.60	10.74
Loup City	0.10	0.65	0.15	2.68	2.44	1.65	4.29	2.06	1.85	3.76	0.10	0.35	20.08
Loyal	.....	.....	0.39	3.33	3.30	1.01	4.32	3.76	0.38	4.00	T.	0.40	.....
McCook	0.05	0.47	0.12	1.72	1.25	0.66	0.84	4.34	0.59	0.96	0.05	1.10	12.15
McCool Junction	0.20	1.00	0.55	2.46	2.74	0.13	5.03	4.17	3.67	2.49	T.	2.14	24.58
Madison	0.40	1.05	0.85	2.26	2.33	4.99	1.40	2.31	1.58	2.89	0.71	2.25	23.02
Marquette	0.30	0.57	0.26	1.52	2.58	1.08	4.92	4.15	3.71	2.73	0.32	1.16	23.30
Mary	.....	.....	.....	.....	.....	.....	3.12	3.81	1.42	6.55	0.07	0.61	.....
Mason City	0.15	0.60	1.04	3.48	3.32	0.92	6.38	2.02	2.25	4.00	0.16	0.52	24.84
Minatare	0.40	.....	0.00	1.58	0.94	2.44	1.20	2.01	1.20	1.67	0.08	0.29	.....
Minden	0.36	0.42	0.42	1.75	1.76	1.01	2.46	6.46	2.87	1.84	0.23	1.39	20.77
Mitchell	0.38	0.11	T.	1.74	0.75	2.15	1.84	0.71	1.63	1.74	0.10	0.29	11.44
Mullen	.....	.....	.....	.....	.....	.....	1.78	3.90	1.69	6.61	.....	.....	.....
Nebraska City	0.30	3.30	0.57	3.24	2.49	0.50	2.24	1.73	9.58	0.50	1.10	2.95	28.50
Nelson	.....	.....	.....	.....	.....	.....	7.27	5.31	2.07	1.18	0.30	1.95	.....
Norfolk	0.27	1.07	1.05	2.09	1.68	5.22	2.83	2.53	1.25	2.75	0.81	1.21	22.76
North Loup	0.30	1.52	0.58	3.22	3.31	4.92	3.96	2.95	1.53	4.10	0.36	0.85	27.80
North Platte	0.28	0.39	0.20	2.48	1.73	1.13	3.31	2.19	1.37	3.66	0.04	0.65	17.43
Oakdale	0.32	1.56	0.60	2.08	2.53	3.64	4.52	3.44	1.23	3.88	0.39	1.09	25.30
Odell	0.02	3.85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Omaha	0.45	2.13	1.29	2.34	2.70	0.94	1.08	0.71	2.55	1.26	0.42	2.59	18.46
Ord	0.06	1.14	1.21	2.85	1.96	2.17	3.45	3.25	1.29	4.46	0.15	1.30	23.29
Orleans	0.37	0.96	0.08	1.72	1.81	1.11	8.47	10.83	1.82	1.65	0.00	0.55	29.37
Osceola	0.50	1.20	0.60	3.02	2.58	1.35	5.65	3.39	1.87	.....	.....	.....	.....
Palisade	.....	0.48	0.05	2.51	1.44	0.39	2.19	3.55	0.53	2.65	T.	1.00	.....
Palmyra	.....	3.16	0.92	2.94	2.66	0.49	1.69	3.57	4.94	1.07	0.28	2.67	.....
Pawnee City	0.55	3.83	0.78	1.50	1.16	0.81	5.74	5.72	9.86	1.87	0.70	2.42	34.94
Paxton	0.20	0.40	0.05	2.09	1.73	1.77	0.81	4.68	1.02	2.83	0.13	1.01	16.72
Plymouth	T.	2.01	0.62	1.73	1.79	1.05	6.25	3.84	4.82	1.51	0.52	1.49	25.63
Purdum	0.45	0.63	0.29	4.66	2.96	1.08	5.79	2.66	1.25	6.13	0.13	0.45	26.48

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska—Continued.													
Ravenna	0.55	0.77	0.23	2.18	2.72	1.56	3.74	4.26	1.70	3.47	0.36	0.79	22.26
Red Cloud	0.14	0.97	0.05	3.09	1.62	2.23	6.43	6.66	2.17	0.62	0.22	1.19	25.39
St. Libory	0.40	0.90	0.36	1.20	3.89	0.75	4.73	3.09	3.60	3.51	0.23	1.57	24.23
St. Paul	0.10	0.96	0.30	1.16	4.43	1.16	3.62	2.75	1.92	3.89	0.17	0.83	21.29
Santee	0.40	0.75	0.70	3.35	1.97	1.30	3.70	2.81	2.85	8.11	0.60	1.00	27.54
Sargent	0.75	0.10	0.20	1.99	2.55	0.58	5.49	4.65	2.11	4.04	T.	.....	.....
Schuyler	0.40	1.85	0.40	2.69	3.95	0.65	1.12	3.37	2.28	2.12	T.	2.35	21.78
Scottsbluff	0.57	0.20	0.01	4.40	1.30	2.71	1.53	1.04	0.98	1.96	0.03	0.54	15.12
Seward	0.30	1.94	0.42	2.75	4.22	0.70	3.30	3.98	4.80	2.20	0.10	2.35	27.06
Sidney	0.28	0.25	0.05	2.93	0.86	3.02	1.22	2.33	0.77	2.06	0.28	0.69	14.74
Springview	0.30	1.00	0.40	2.70	2.71	1.22	2.25	3.22	1.70	5.83	0.50	0.50	22.33
Stanton	0.45	1.25	0.95	2.40	2.21	5.16	2.12	3.31	1.75	2.63	0.85	2.10	25.18
Stratton	0.32	0.75	0.00	2.73	1.33	0.00	0.60	2.55	0.33	2.16	T.	.....	.....
Superior	T.	1.70	0.15	2.52	2.10	0.90	7.07	3.55	1.60	1.75	.....	2.00	.....
Syracuse	0.30	3.05	0.83	2.86	2.26	0.74	1.98	3.41	6.49	1.23	0.55	3.17	26.87
Table Rock	0.54	4.60	0.94	2.75	1.18	1.06	4.36	5.50	6.79	5.23	0.82	3.15	36.92
Tecumseh	0.20	.....	.....	.....	1.78	0.46	4.53	2.32	3.26	5.60	0.42	3.25	.....
Tekamah	0.15	1.87	0.85	2.33	4.09	1.62	2.37	5.00	1.19	3.32	0.13	3.64	26.56
Tobias	0.10	1.57	0.45	2.10	3.44	1.20	8.69	4.57	2.83	.....	0.05	2.30	.....
University Farm	0.37	2.19	0.36	2.90	3.33	0.78	1.90	2.87	4.85	2.17	0.16	2.23	24.11
Valentine	0.40	0.71	0.48	2.34	1.37	0.99	0.68	3.60	2.17	4.81	0.05	0.30	17.90
Wahoo	0.40	1.90	0.62	3.66	3.50	0.77	1.98	1.41	1.13	1.08	0.10	3.05	19.60
Wakefield	0.37	1.87	0.86	3.12	1.44	2.82	1.62	2.95	2.35	2.63	0.93	2.25	23.21
Walthill	.....	0.65	0.66	2.84	2.52	2.78	2.10	4.52	0.60	3.25	0.28	2.10	.....
Watertown	0.40	0.38	0.21	1.98	2.94	1.52	3.48	4.10	2.68	5.22	0.01	0.62	23.54
Wauneta	0.10	0.70	0.50	3.45	1.75	1.35	1.30	3.07	1.80	3.30	0.00	1.50	18.82
Weeping Water	0.33	2.83	0.76	3.65	4.01	0.39	1.58	1.95	4.04	2.00	0.27	3.63	25.44
Westpoint	.....	1.48	0.60	3.42	2.96	3.90	1.84	3.20	2.29	2.44	0.20	2.70	.....
Wisner	0.10	1.25	1.00	3.51	2.84	2.99	1.14	3.92	2.07	2.69	0.46	2.92	24.89
York	0.40	0.99	0.18	3.26	2.91	0.35	2.68	5.41	4.91	2.42	0.29	1.58	25.38
Nevada.													
Arthur	2.02	3.19	1.30	1.68	1.14	0.09	0.03	0.00	1.02	0.50	0.69	1.50	13.16
Austin	1.30	2.70	1.50	0.26	1.12	0.01	.....	0.05	0.00	.....	0.12	0.84	.....
Battle Mountain	1.47	0.40	0.32	1.40	1.20	0.46	0.47	0.00	0.10	0.10	0.20	0.80	6.92
Beowawe	1.40	0.55	0.24	0.40	0.08	0.00	.....	0.00	0.53	0.12	0.02	0.88	.....
Bishop	3.70	1.24	0.89	1.58	1.49	1.87	0.41	0.00	0.34	1.02	1.09	0.52	14.15
Caliente	0.22	1.70	1.12	0.00	0.02	0.05	1.09	0.01	1.15	0.03	0.00	0.70	6.09
Carlin	.....	0.60	.....	0.04	0.04	0.02	0.00	0.00	.....	.....	.....	0.06	.....
Carson Dam	.....	0.78	0.67	0.11	T.	0.27	0.33	0.00	0.00	T.	T.	T.	.....
Cherry Creek	1.72	0.86	1.29	0.66	0.38	2.17	0.61	0.00	1.51	0.20	0.58	0.39	10.37
Clover Valley	3.82	1.52	0.66	1.63	0.94	1.34	0.34	T.	0.59	0.85	1.26	0.47	13.42
Columbia	1.52	1.21	1.36	0.19	0.13	0.88	1.39	0.00	0.48	1.30	0.10	0.12	8.68
Dry Farm	2.31	.....	.....	2.14	1.40	0.88	0.02	.....	0.78	0.93	0.24	0.54	.....
Eureka	1.49	1.30	1.27	1.35	1.01	1.63	0.50	0.00	1.20	0.65	0.18	0.84	11.42
Fallon	0.96	0.69	0.53	0.25	0.02	0.55	0.09	0.00	0.04	0.03	T.	0.16	3.32
Fernley	1.14	0.30	1.17	T.	T.	0.38	0.07	0.00	0.15	0.60	0.12	T.	3.93
Golconda	2.65	0.30	0.35	1.00	0.35	0.66	T.	0.00	0.00	T.	0.30	0.40	6.01
Halleck	.....	0.75	.....	0.15	0.63	2.30	0.26	0.00	0.51	0.46	0.53	0.47	.....
Jean	0.44	0.75	1.00	0.00	0.00	.....	T.	0.00	0.00	.....	0.00	T.	.....
Lahontan	.....	.....	.....	0.40	T.	0.45	1.38	0.00	0.00	0.06	0.08	0.15	.....
Lewers' Ranch	13.15	3.30	5.70	2.60	0.70	0.40	0.00	0.00	0.00	T.	1.75	1.30	28.90
Logan	0.70	0.63	0.90	0.16	0.00	0.17	0.82	0.00	1.63	0.80	0.00	0.04	5.85
Lovelocks	1.95	0.11	0.75	0.12	0.18	0.38	0.06	0.00	T.	0.05	0.00	0.18	3.78
Massacre Lakes	3.35	1.95	1.45	1.50	.....	.....	.....	.....	0.23	0.21	0.75	0.45	.....
Mill City	1.41	0.60	.....	0.63	0.27	0.54	0.00	0.00	0.00	0.25	0.28	0.52	.....
Millett	1.29	1.08	1.01	0.61	0.30	0.18	0.22	0.00	0.16	0.15	0.10	0.28	5.38
Mina	T.	1.40	0.41	T.	0.00	T.	0.07	0.00	T.	0.01	0.00	0.60	2.49
North Fork	1.55	1.22	1.45	2.50	0.54	0.67	0.15	T.	0.35	0.10	1.10	0.86	10.49
Potts	0.53	0.52	0.93	0.35	0.05	0.30	0.12	0.00	0.10	0.15	0.18	0.17	3.40
Quinn River Ranch	3.20	0.08	0.62	0.94	0.08	1.35	0.22	T.	0.05	0.42	0.42	0.24	7.62
Reno	5.23	0.57	1.65	0.32	0.32	0.22	1.59	T.	T.	0.11	0.24	0.32	10.57
Rose Creek	3.56	1.33	.....	1.75	0.77	0.76	0.15	0.00	0.03	0.76	.....	.....	.....
San Jacinto	0.46	0.33	0.23	0.25	1.59	1.71	0.38	0.02	0.80	1.30	0.93	0.70	8.70
Skelton	1.99	0.65	1.60	1.70	1.20	0.95	0.00	0.00	1.07	0.84	0.10	1.13	11.23
Smith	2.55	1.22	1.64	0.25	0.03	0.19	0.73	T.	T.	0.14	0.30	0.37	7.42
Soda Lake	1.37	0.42	0.69	0.27	T.	0.28	.....	0.00	T.	0.05	0.07	0.04	.....
Spooner's Ranch	15.89	7.10	5.70	1.80	.....	.....	0.00	0.00	0.00	0.10	0.70	1.20	.....
Tecoma	0.96	1.45	0.21	0.45	0.60	0.69	0.01	T.	0.80	0.05	0.11	0.70	6.03
Tonopah	0.31	0.94	1.14	0.63	T.	0.10	0.99	0.00	0.27	0.40	0.02	0.13	4.93
Wells	1.08	0.85	0.18	0.67	0.99	1.60	0.12	0.00	0.80	0.60	0.50	0.20	7.59
Willow Point	2.60	0.01	0.16	0.18	0.04	0.24	0.00	0.00	0.00	0.13	.....	0.70	.....
Winnemucca	2.37	0.21	0.44	1.24	0.42	1.13	0.12	0.01	T.	0.22	0.29	0.42	6.87
New Hampshire.													
Alstead Center	1.65	1.98	3.23	0.92	1.70	2.59	5.82	3.79	4.05	5.83	2.80	2.59	36.95
Benton	1.81	1.90	1.86	0.67	2.28	1.98	4.56	4.42	3.20	4.01	3.45	2.96	33.10
Bethlehem	2.05	1.69	2.58	0.92	1.10	3.23	4.74	6.07	3.25	3.70	2.96	2.87	35.16
Concord	1.68	3.02	4.01	1.46	1.57	1.87	3.45	4.24	2.93	3.73	3.03	3.14	34.13
Durham	1.37	1.89	1.23	1.27	1.10	1.83	4.96	4.26	3.09	1.89	3.16	3.61	29.66
Franklin	2.26	2.86	3.05	1.34	0.78	2.70	4.29	3.99	3.84	5.20	3.39	1.96	35.66
Grafton	2.08	2.15	3.42	0.91	1.39	3.43	4.69	2.49	3.44	4.04	2.69	2.15	32.88
Hanover	1.41	3.08	3.30	0.97	1.29	3.29	8.26	3.40	3.47	3.95	2.00	1.92	36.34
Keene	2.12	1.78	3.55	1.15	0.88	1.91	3.69	3.90	4.32	5.88	2.70	2.54	34.42
Nashua	2.14	2.71	3.97	1.93	1.47	1.92	5.26	5.17	2.40	3.66	3.72	3.26	37.61
Newton	2.19	2.67	4.05	1.53	0.68	2.40	4.27	4.41	2.14	2.92	4.10	3.73	35.09
Plymouth	2.43	2.67	3.83	1.38	0.76	2.91	4.36	2.53	5.25	4.51	3.15	2.88	36.59
New Jersey.													
Asbury Park	3.13	2.08	3.53	4.70	0.31	4.61	3.36	11.28	2.53	6.28	5.57	4.20	51.58
Atlantic City	4.01	2.24	3.24	4.57	0.50	2.96	4.15	7.32	3.02	2.73	5.85	3.61	44.21
Bayonne	3.01	3.15	3.55	3.47	0.76	4.84	2.94	8.60	1.90	6.59	5.29	3.91	48.01
Belvidere	3.31	2.77	3.26	4.22	2.95	6.03	2.64	7.58	2.37	6.54	5.03	3.32	50.02
Bergen Point	3.44	4.06	3.57	4.12	0.73	5.35	3.08	8.56	1.75	7.03	5.39	4.17	51.25
Boonton	2.87	2.94	3.81	4.03	1.12	7.62	3.06	5.88	2.63	6.30	4.92	3.60	48.78

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Jersey—Continued.													
Bridgeton	5.03	2.15	2.96	3.82	1.38	3.60	2.15	8.55	3.20	3.05	5.18	4.52	45.59
Burlington	3.84	3.09	3.38	3.93	1.18	5.62	3.06	11.15	2.85	4.80	6.41	3.52	52.83
Canton	4.20	2.49	3.13	3.88	1.59	4.07	2.19	8.22	2.32	2.77	5.07	4.39	44.32
Cape May	3.31	1.76	3.05	4.11	0.41	2.84	3.44	7.27	1.08	2.61	5.93	3.89	39.70
Charlotteburg	2.80	2.82	3.26	3.55	1.44	6.91	5.93	6.21	3.04	7.18	4.42	3.38	50.94
Chatham	3.89	2.80	4.21	3.90	1.10	8.80	3.65	5.47	3.80	7.05	5.10	4.23	54.00
Clayton	4.94	2.42	2.96	5.17	0.90	4.72	3.53	11.87	4.16	2.97	5.87	4.30	53.81
College Farm	3.52	3.43	3.86	4.54	1.55	5.09	5.34	12.68	2.28	6.64	4.60	4.66	58.19
Culver's Lake	2.45	2.64	2.96	3.95	1.23	6.86	5.98	7.84	4.21	8.23	3.63	2.94	52.92
Dover	3.32	3.16	4.03	3.77	1.39	6.69	3.63	6.85	2.90	7.06	4.91	4.15	51.86
Elizabeth	3.44	3.80	3.52	3.58	1.06	4.63	2.69	7.36	1.99	5.99	5.21	3.84	47.11
Flemington	3.08	2.58	3.47	3.68	1.04	3.89	4.05	8.16	2.60	6.25	4.84	3.69	47.93
Haddonfield	3.51	2.71	3.20	4.19	0.57	5.38	2.06	12.91	2.47	3.34	6.36	3.58	50.28
Hammonton	4.61	2.19	2.91	4.92	2.46	4.65	4.46	11.29	5.33	3.37	5.71	3.77	55.67
Hightstown	3.36	3.18	3.43	4.55	1.19	7.18	4.43	10.82	2.63	5.44	5.41	3.73	55.35
Highwood	3.35	3.23	3.68	3.92	1.59	6.63	2.67	7.04	2.42	7.12	5.40	4.38	51.43
Indian Mills	5.34	2.63	3.43	4.43	1.19	6.66	4.04	13.87	4.44	3.46	5.58	3.70	58.77
Jersey City	3.20	3.74	3.40	3.81	1.05	5.28	2.35	8.21	1.76	6.66	5.23	3.97	48.66
Lakewood	2.98	2.26	3.03	5.58	0.55	3.71	2.54	10.30	3.19	5.67	5.46	3.74	49.01
Lambertville	3.42	2.56	3.06	4.15	1.73	3.24	3.74	9.57	3.51	5.06	5.57	3.46	49.07
Layton	2.12	2.62	3.18	2.87	1.35	5.91	3.55	8.06	2.76	6.75	.....	3.38	.....
Little Falls	3.12	2.77	3.34	4.16	2.44	7.30	2.85	6.90	2.11	6.78	4.95	3.96	50.68
Long Branch	3.74	2.97	4.50	4.82	0.15	4.41	2.71	11.53	2.90	6.96	5.89	4.46	55.04
Mahwah	.....	3.67	3.65	3.95	1.55	6.05	4.55	6.35	2.66	6.67	4.55	3.15	.....
Moorestown	3.27	2.62	2.76	3.40	1.15	4.43	2.09	10.23	2.96	3.76	5.86	3.29	45.82
Newark	3.34	2.89	3.84	4.72	2.94	9.01	3.72	10.26	1.56	7.92	6.34	5.09	61.63
New Brunswick	2.81	3.53	3.40	3.70	1.35	4.27	4.06	11.64	2.19	6.59	5.07	4.66	53.27
Newton	.....	2.43	.....	.....	.....	10.11	4.87	7.78	2.59	5.67	3.17	3.43	.....
Northfield	3.83	2.04	3.21	4.56	0.59	3.48	4.71	8.03	3.40	2.77	5.61	3.83	46.06
Paterson	2.80	3.03	3.44	3.51	1.37	7.39	2.58	5.63	2.52	6.39	4.97	3.57	47.20
Phillipsburg	3.05	2.64	3.14	3.32	3.84	5.25	2.94	5.31	2.65	7.00	4.25	3.25	46.64
Plainfield	3.36	3.41	3.52	3.94	1.66	3.90	3.85	8.21	2.61	7.03	4.29	3.99	49.77
Pleasantville	4.07	1.87	4.12	5.02	0.48	3.64	5.52	10.00	3.95	2.72	5.91	3.62	50.92
Pompton Plains	3.03	3.24	3.68	4.09	1.54	7.24	4.53	6.72	2.97	5.94	4.69	3.69	51.36
Rancocas	3.86	2.64	3.20	2.96	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rivervale	2.69	2.71	2.64	3.10	0.82	5.14	.....	6.67	2.85	6.49	.....	.....	.....
Somerville	3.34	2.81	3.21	3.87	1.50	4.86	6.46	8.17	2.43	6.46	5.00	3.99	52.10
South Orange	3.43	2.98	3.57	3.50	1.98	5.59	2.55	8.42	1.44	6.11	5.09	4.23	48.89
Sussex	1.97	2.36	2.75	3.66	1.00	6.83	3.00	7.10	3.13	5.84	3.71	3.30	44.65
Trenton	3.20	2.42	3.88	4.02	2.17	5.97	.....	11.98	.....	.....	5.59	3.40	.....
Tuckerton	4.35	2.13	3.75	5.56	0.68	5.41	4.00	14.74	4.47	2.76	6.50	3.58	57.93
Vineland	5.27	1.54	3.05	4.21	0.54	4.52	3.92	7.66	4.00	2.69	5.70	3.36	46.46
Woodbine	4.26	2.24	2.90	4.60	2.42	3.42	2.39	8.56	3.16	2.84	5.16	3.74	45.69
New Mexico.													
Abbott	0.16	0.48	T.	0.20	2.60	0.63	2.56	2.02	1.20	1.68	0.39	0.58	13.30
Agricultural College	0.27	0.78	0.60	0.32	0.10	0.33	1.36	0.14	1.18	0.30	0.00	0.42	5.80
Alamogordo (near)	0.21	1.96	0.62	0.84	0.94	0.54	2.75	0.59	2.31	1.46	0.18	0.29	12.69
Alamogordo	0.16	1.40	0.45	0.67	0.41	0.54	2.69	0.68	2.00	1.25	0.14	0.38	10.77
Alamos Ranch	0.83	2.01	0.71	0.42	0.62	1.63	7.69	1.39	1.50	5.81	1.00	0.38	23.99
Albert	0.20	0.85	0.00	0.35	3.40	0.05	2.49	2.49	1.91	0.56	T.	0.80	13.10
Albuquerque	0.33	1.73	0.42	0.28	0.28	1.26	2.14	0.62	1.04	3.30	0.34	0.20	11.94
Alma	2.23	1.96	1.13	0.42	0.40	1.44	3.50	1.99	2.65	2.72	0.00	0.98	19.42
Ancho	0.31	0.74	0.56	1.15	0.02	1.18	4.11	2.16	0.94	1.04	T.	0.62	12.83
Anchor Mine	.....	.....	.....	.....	.....	.....	6.70	2.05	.....	4.49	4.01	3.14	.....
Aragon	1.10	1.81	0.60	0.50	T.	1.35	3.70	1.65	2.75	3.30	0.00	0.70	17.46
Arch	0.15	0.99	1.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Artesia	0.60	1.72	0.56	2.30	0.62	1.02	7.76	1.99	0.87	0.92	0.47	0.57	19.40
Aspen Grove Ranch	2.86	4.53	1.90	1.23	0.33	0.81	4.46	3.19	2.53	4.53	1.78	0.66	28.81
Aurora	0.49	1.17	0.68	0.86	2.92	2.24	5.41	2.70	2.17	5.03	1.03	0.47	25.17
Aztec	1.02	2.29	0.61	0.69	T.	0.94	4.22	0.70	1.85	2.89	0.21	0.20	15.62
Batemans Ranch	4.59	3.32	2.02	0.20	0.79	1.22	4.58	3.21	2.13	4.59	2.12	0.49	29.26
Bell Ranch	0.13	1.37	T.	1.47	4.86	0.59	5.34	1.43	1.72	1.18	0.30	0.65	19.04
Bergers Ranch	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.86	0.17	1.24	.....
Berino	.....	.....	.....	.....	.....	.....	.....	0.23	2.04	0.62	0.09	0.32	.....
Black Lake	0.16	0.84	0.72	0.44	2.49	1.71	2.97	2.29	1.97	3.39	0.94	0.54	18.46
Blackrock	1.53	.....	.....	.....	.....	.....	.....	.....	.....	2.72	0.42	0.52	.....
Bloomfield	0.47	2.33	0.80	0.87	0.02	0.25	4.01	1.06	1.13	2.35	0.41	0.26	13.96
Bluewater	0.57	2.03	0.52	0.97	0.32	0.83	5.51	2.17	1.66	1.89	0.39	0.37	17.23
Boaz	0.07	0.96	0.21	2.04	3.12	0.67	1.51	1.63	0.97	1.12	0.18	0.57	13.05
Cabeza	0.15	1.54	0.00	0.80	2.97	0.53	2.30	2.00	2.07	0.80	0.60	1.02	14.78
Cambray	0.80	1.87	0.55	0.33	0.00	1.25	3.80	0.40	1.31	0.31	T.	0.66	11.28
Campana	0.20	0.95	0.05	1.71	3.40	1.29	1.78	1.62	1.59	1.45	0.27	0.96	15.27
Capitan	0.48	1.65	0.06	2.35	1.00	1.67	5.80	1.48	2.75	0.84	0.50	1.75	20.33
Carlsbad	0.54	1.82	0.50	1.76	1.35	1.01	5.97	1.23	1.16	0.33	0.20	0.96	16.82
Carrizozo	T.	1.23	0.40	1.13	T.	0.70	3.61	1.04	1.90	0.69	0.02	0.44	11.16
Carson Park	1.36	2.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chacon	0.20	1.71	0.67	0.66	2.13	1.78	5.28	2.97	3.30	4.88	2.33	0.60	26.51
Chama	3.04	1.68	1.53	0.86	0.49	1.55	7.94	3.39	3.46	4.15	1.65	0.75	30.49
Cimarron (near)	0.02	1.13	0.56	0.39	2.61	2.44	5.68	3.28	1.88	2.96	0.31	1.69	22.95
Clayton	T.	1.91	T.	0.78	3.66	T.	5.81	3.03	1.52	.....	.....	.....	.....
Cloudcroft	0.20	3.11	0.85	0.40	T.	1.22	6.06	1.06	3.99	1.80	0.33	1.39	20.41
Clovis	.....	.....	.....	.....	.....	0.40	3.39	2.23	1.67	1.01	0.25	1.56	.....
Columbus	0.65	1.03	0.05	0.23	0.00	0.81	5.19	0.09	1.81	0.50	0.21	0.97	11.54
Corona	0.21	1.63	0.99	1.96	0.48	1.48	4.04	0.60	1.00	0.83	0.39	1.08	14.71
Coyote	0.28	0.79	0.51	0.63	0.26	0.61	5.38	2.42	2.49	1.20	0.04	0.82	15.43
Cuervo	0.08	2.19	0.27	1.54	1.03	1.15	1.79	2.28	2.14	1.11	0.49	1.25	15.32
Cundiyo	1.02	1.83	0.20	0.94	0.42	1.53	3.14	0.91	1.83	2.51	1.08	0.14	16.55
Dawson	0.05	1.17	0.40	0.52	2.43	1.34	7.09	1.45	1.03	3.81	0.58	1.37	21.24
Deming	0.77	1.40	0.67	0.38	0.00	0.96	7.13	0.30	1.77	1.30	0.00	0.42	15.10
Demonstration Farm	0.12	2.63	0.15	0.85	2.50	1.22	5.00	1.22	0.30	2.65	0.09	1.04	17.77
Dorsey	0.10	1.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dulce	2.27	2.87	1.26	0.87	0.45	2.14	5.64	1.67	3.07	3.58	0.39	0.41	24.62
Duran	0.22	2.05	0.85	1.37	0.33	2.15	7.68	2.22	1.28	0.45	0.72	0.66	19.98
Elizabethtown	1.03	2.33	4.03	1.14	1.79	1.42	5.30	3.30	1.34	4.21	1.01	0.19	27.09
Escondido	0.29	1.92	1.38	0.51	0.74	0.77	2.14	0.82	1.45	1.05	0.15	0.55	11.77

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Espanola	0.34	0.99	0.10	0.79	0.59	0.90	4.25	0.37	2.02	3.64	1.35	0.04	15.38
Estancia	1.57	2.00	0.56	0.87	0.33	1.01	7.79	1.88	0.55	1.54	0.14	0.89	19.13
Folsom	0.20	1.55	0.21	1.06	2.79	0.60	6.71	2.35	0.82	2.55	0.79	1.28	20.91
Fort Bayard	1.55	1.29	1.70	0.40	T.	2.20	4.59	2.02	2.94	3.31	T.	0.63	20.63
Fort Stanton	0.15	1.82	0.80	1.99	0.75	3.11	5.62	1.83	1.50	2.28	0.16	0.47	20.48
Fort Sumner	0.30	1.63	0.45	2.39	1.73	0.19	2.11	1.55	0.43	.....	.....	.....	.....
Fort Union	0.05	0.91	0.05	1.03	3.30	1.61	3.47	2.36	1.14	2.68	0.36	0.45	17.41
Fort Wingate	1.10	1.83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fruitland	0.48	1.44	0.69	0.50	T.	0.37	4.50	0.54	2.88	1.50	0.25	0.17	13.32
Gage	1.06	1.60	0.50	0.20	0.00	1.30	4.50	0.30	2.20	1.00	0.00	0.72	13.38
Gallinas	0.20	2.00	0.48	1.71	0.00	1.82	3.40	1.85	1.94	1.03	0.21	1.09	15.73
Gallinas Planting Station	1.00	1.91	0.72	0.70	2.54	1.20	9.01	2.38	0.61	3.42	0.82	0.98	25.29
Gila Planting Station	1.94	1.73	1.05	0.40	T.	2.05	3.63	1.53	3.30	3.45	T.	0.71	19.79
Glorieta Ranch	1.10	3.24	1.59	0.71	0.00	1.27	2.96	1.87	3.68	2.51	0.00	0.62	19.55
Hachita	0.65	0.76	0.18	0.27	T.	1.42	4.74	0.98	1.93	1.27	0.19	0.82	13.21
Harveys Upper Ranch	1.20	3.04	2.03	2.13	2.70	3.80	8.32	3.08	2.05	6.86	1.20	1.68	38.09
Hayden	0.14	0.72	0.11	0.32	2.98	0.80	3.31	2.27	0.99	3.70	0.30	1.96	17.60
Haynes	0.29	1.41	0.50	1.41	0.26	1.33	5.64	1.29	1.80	1.48	0.44	0.22	16.07
Hermanes	T.	1.45	.....	.....	.....	1.50	5.15	1.03	1.05	0.70	0.40	1.15	.....
Hillsboro	.....	.....	.....	.....	.....	1.76	3.43	0.68	2.60	2.13	0.00	.....	.....
Hodges	0.77	2.45	0.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hondo Reservoir	0.10	1.73	0.81	2.67	3.04	0.37	4.77	1.06	2.93	0.88	0.24	0.48	19.08
Hoosier Ranch	.....	.....	.....	.....	.....	.....	3.48	3.47	1.55	2.08	0.10	0.85	.....
Jemez Springs	0.81	2.51	0.75	0.47	0.87	1.83	4.80	1.68	2.10	5.19	2.02	0.22	23.25
Johnsons Park	T.	1.13	0.42	0.06	3.35	1.68	5.46	2.58	0.60	2.36	0.42	1.29	19.35
Kappus	0.16	1.25	0.35	0.37	3.03	1.00	3.28	2.25	1.20	1.40	0.25	0.53	15.07
Knowles (near)	0.48	1.88	0.46	1.05	0.68	0.94	4.22	0.53	2.06	0.51	0.17	1.16	14.14
Laguna	0.12	1.70	1.53	0.82	0.15	T.	6.26	0.70	1.20	0.08	0.16	0.18	12.90
Lagunita	0.20	1.56	0.32	1.71	0.25	1.73	4.28	2.19	0.58	2.13	0.23	0.40	15.58
Lake Alice	0.18	1.96	0.44	.....	.....	.....	4.90	2.61	1.17	4.68	.....	.....	.....
Lake Valley	0.64	2.11	1.63	0.35	T.	1.91	4.87	0.62	2.75	1.96	T.	0.99	17.83
Las Vegas	0.11	1.33	0.18	0.93	2.41	2.44	3.55	2.30	0.68	2.83	0.30	0.93	17.99
Liston	T.	0.85	0.00	2.17	4.45	0.47	2.34	0.48	1.09	1.01	0.00	0.62	13.48
Logan	0.21	1.22	0.07	0.39	4.50	0.47	5.54	3.90	3.91	1.81	0.23	0.67	22.92
Lordsburg	0.64	0.95	0.26	0.83	0.00	1.31	2.46	0.50	0.58	1.60	0.00	2.60	11.73
Los Alamos	0.06	1.36	0.02	0.83	2.44	.....	.....	.....	.....	.....	.....	.....	.....
Los Lunas (near)	0.90	1.55	0.55	0.60	T.	0.86	2.23	0.16	1.11	3.28	0.03	0.30	11.57
Luna	1.32	2.87	1.59	0.25	0.00	.....	.....	.....	2.11	3.78	0.00	0.72	.....
Lykins (near)	0.13	1.18	0.17	4.01	2.66	1.23	2.63	1.62	0.75	1.34	0.34	1.39	17.45
Magdalena	0.86	1.60	1.39	0.52	T.	2.39	5.40	2.00	2.35	2.04	T.	1.33	19.88
Maxwell (near)	0.20	0.42	0.09	0.03	2.06	1.62	5.53	2.72	0.48	0.94	0.10	0.65	14.84
Melrose	0.11	1.27	0.34	1.42	2.25	0.70	2.72	2.20	2.75	1.11	0.35	0.90	16.12
Mescalero	.....	.....	.....	.....	.....	2.00	7.76	0.93	3.06	1.89	0.03	0.72	.....
Miami Ranch	0.08	1.48	0.18	0.17	2.61	1.99	5.80	1.97	1.33	2.99	0.21	1.10	19.91
Mills (near)	0.48	1.39	0.19	0.42	1.92	0.14	2.98	2.07	1.11	2.27	0.25	0.88	14.10
Mimbres	2.03	2.27	1.00	0.64	0.00	2.82	6.23	1.91	2.86	3.22	0.00	0.16	23.14
Mineral Hill	0.34	2.27	0.30	1.32	3.72	1.06	6.01	1.50	1.00	4.12	0.65	0.67	22.86
Monterey	0.23	1.67	0.46	0.66	0.62	1.54	1.42	1.25	2.39	0.72	T.	0.07	11.03
Montoya	0.01	1.42	0.20	0.89	0.46	0.60	2.62	3.17	1.45	1.50	0.25	0.60	13.17
Mountainair	1.62	2.73	0.81	1.44	1.14	0.34	5.07	1.10	3.28	2.00	T.	0.96	20.49
Mount Dora (near)	0.03	0.69	0.05	0.70	2.42	0.32	2.78	2.31	1.70	1.57	0.23	0.80	13.60
Nara Visa	0.06	0.83	0.54	0.24	2.83	0.72	2.05	2.57	1.39	1.45	0.23	0.52	13.43
Newman	0.18	1.77	1.55	1.74	T.	0.90	2.91	0.48	0.27	0.31	0.10	0.24	10.45
Noria	0.68	0.90	0.56	0.20	0.00	0.86	4.22	1.01	1.42	0.42	0.20	0.24	10.71
Ocate	.....	.....	.....	.....	3.42	1.42	6.29	1.72	0.45	.....	.....	.....	.....
Orogrande	0.32	1.62	1.24	0.55	0.54	0.97	3.70	0.62	1.10	0.74	0.07	0.45	11.92
Oscura, No. 1	0.22	1.96	0.80	0.76	0.42	0.97	4.83	0.83	2.62	0.86	0.11	0.08	14.46
Oscura, No. 2	0.16	2.04	0.81	0.67	0.41	0.95	4.44	1.35	2.42	1.60	0.04	0.32	15.21
Otis	0.48	2.24	0.69	1.94	1.25	1.34	3.18	1.05	1.79	0.75	0.38	1.14	16.23
Otto	0.82	2.66	0.23	0.41	1.88	0.85	5.19	0.95	1.79	3.06	1.02	0.71	19.57
Palo Verde	.....	.....	.....	.....	.....	.....	.....	2.95	1.72	2.25	0.29	1.18	.....
Pasamonte	0.03	1.02	0.00	0.30	2.33	0.65	4.54	1.73	1.34	0.52	0.16	1.38	14.00
Pastura	0.22	1.90	0.47	2.35	0.91	1.08	6.28	1.54	2.43	1.56	0.46	0.85	20.05
Pinos Altos (near)	.....	.....	.....	.....	.....	2.03	5.21	4.61	2.48	3.80	0.08	1.24	.....
Placitas (near)	1.43	4.31	1.01	2.12	0.91	1.45	6.34	1.16	2.18	3.65	0.75	1.51	26.82
Plainview	.....	.....	.....	.....	.....	0.44	4.75	0.55	1.63	1.94	0.19	1.47	.....
Pleasant View	.....	.....	.....	.....	.....	0.48	2.70	2.99	1.73	.....	0.17	0.45	.....
Portales	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.06	0.59	3.77	.....
Pratt	0.80	1.62	0.00	0.45	0.00	1.55	2.75	1.33	1.38	1.31	0.18	2.07	13.45
Raton	0.10	1.43	0.50	0.62	2.79	1.81	5.92	2.49	1.18	3.24	[1] 0.48	1.32	[1] 21.88
Red River Canyon	1.07	4.02	1.12	0.97	0.08	1.30	5.80	1.16	1.90	3.50	1.62	1.62	24.16
Redrock	1.63	1.33	0.61	0.00	0.34	1.09	3.00	1.71	3.05	1.94	0.00	0.91	15.61
Rincon	0.19	1.73	1.66	0.17	0.00	1.48	3.69	0.50	0.82	0.38	T.	0.59	11.21
Rio Grande Dam	0.24	1.80	1.72	0.44	T.	1.60	3.08	0.70	3.06	0.87	T.	T.	13.51
Rio Grande Industrial School	[1] 0.33	[1] 1.73	0.18	0.31	0.37	1.12	3.02	0.38	1.65	3.66	0.54	0.21	[1] 13.50
Rociada	0.11	1.89	0.58	1.33	1.76	0.94	7.15	2.37	0.71	1.77	1.25	0.92	20.78
Rodeo	1.02	1.58	0.28	T.	T.	1.24	3.47	1.81	0.85	0.90	0.00	1.91	13.06
Rosebud	0.04	0.58	0.22	0.34	2.76	1.49	3.19	2.99	0.82	1.55	0.06	0.44	14.48
Rosedale	0.70	2.15	2.13	0.91	0.24	3.14	8.31	4.50	3.14	1.77	T.	0.90	27.59
Roswell	0.14	1.92	0.29	2.16	3.38	0.45	2.93	1.23	1.71	1.14	0.46	0.56	16.37
Roy	0.20	1.88	T.	0.30	3.36	0.58	3.01	3.44	2.28	3.07	0.52	1.81	20.45
San Jon	0.03	1.19	0.03	1.14	2.26	1.37	2.38	5.84	0.38	1.52	0.48	0.38	17.00
San Marcial	.....	.....	.....	.....	.....	1.50	4.42	.....	1.86	1.31	0.00	0.34	.....
San Rafael	T.	1.87	0.85	1.06	0.10	1.36	6.54	2.32	1.79	2.08	0.04	T.	18.01
Santa Fe	0.45	1.99	0.67	0.48	1.00	0.66	5.50	0.51	1.17	3.13	1.34	0.22	17.12
Santa Fe Canyon	0.90	2.80	T.	1.13	1.70	1.20	4.90	0.48	1.59	3.77	2.01	0.76	21.24
Santa Rosa, No. 1	0.27	1.88	0.17	2.06	0.42	0.29	2.96	2.08	1.41	1.50	0.41	0.62	14.07
Santa Rosa, No. 2	0.30	1.41	0.17	1.73	0.36	0.24	2.37	1.74	0.99	1.20	0.41	0.73	11.65
Silver City	0.75	2.11	1.20	0.80	T.	1.40	4.25	0.55	2.25	2.81	T.	0.71	16.83
Socorro	0.94	2.28	1.45	1.18	0.26	1.36	2.58	0.46	2.49	2.29	0.08	0.75	16.12
Solano, No. 1	0.32	1.51	0.14	0.47	3.70	0.51	4.56	4.02	1.34	1.53	0.16	0.59	18.85
Solano, No. 2	0.22	0.76	0.14	0.51	3.79	0.51	4.34	3.55	1.31	0.83	0.10	0.62	16.68
South Fork	.....	.....	.....	.....	.....	.....	.....	.....	3.43	4.98	.....	.....	.....
Springer	0.38	0.84	T.	0.33	2.24	0.96	2.65	2.26	0.32	1.60	0.24	1.18	13.00
Stanley	2.20	3.01	0.09	0.27	1.34	.....	7.02	2.31	.....	.....	.....	0.39	.....
Strauss	0.36	0.88	0.37	0.79	0.00	0.65	4.56	0.59	1.36	0.41	0.29	0.44	10.70

[1] Partly estimated.

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Taft	0.18	1.57	0.27	1.35	1.03	0.77	6.23	3.02	0.30	1.45	0.40	0.69	17.26
Tajique (near)	1.40	3.07	1.80	2.64	0.80	1.50	4.73	2.36	1.53	2.58	0.79	0.67	23.87
Taos	0.94	2.00	1.41	0.67	1.28	1.14	2.67	1.82	2.40	3.24	0.81	0.40	18.78
Taos Canyon	1.92	2.45	1.86	1.13	2.37	1.08	4.00	2.19	3.38	3.02	1.73	1.18	26.31
Taylor	0.07	0.52	0.00	0.15	2.80	0.63	3.75	1.51	0.52	1.44	0.37	1.48	13.24
Tecolote	0.23	2.03	0.85	1.68	0.65	0.68	4.37	2.35	2.49	0.89	0.16	0.75	17.13
Three Rivers	0.22	1.87	0.33	0.62	0.08	1.18	2.52	0.45	2.62	0.87	T.	0.29	11.05
Tijeras Canyon	1.40	3.08	1.10	0.88	0.48	0.77	4.16	0.23	1.36	2.61	0.93	0.46	17.46
Torrance	0.19	2.84	0.05	1.22	0.04	1.08	11.54	2.30	1.99	0.88	0.42	0.96	25.51
Trementina	0.20	1.47	0.12	1.17	2.97	0.76	5.04	3.17	1.10	1.97	0.30	1.71	19.98
Tres Piedras	1.20	2.50	.....	.....	.....	.....	.....	.....	.....	4.25	0.74	0.37	.....
Truchas	0.90	2.10	0.30	0.50	0.50	2.30	5.14	1.40	2.46	3.11	2.47	0.79	21.97
Tucumcari, No. 1	0.13	1.70	0.17	0.68	0.92	1.13	2.90	5.01	2.75	1.89	0.40	0.74	18.42
Tucumcari, No. 2	0.14	1.81	0.27	0.57	0.60	0.85	2.75	4.54	1.95	1.64	0.30	1.75	17.17
Tularosa	0.22	1.62	0.78	0.71	.....	.....	.....	.....	.....	.....	0.00	0.25	.....
Valley	T.	2.39	0.17	T.	6.15	T.	2.20	1.11	1.45	2.06	0.47	2.08	18.08
Vance (near)	[1] 0.08	[1] 0.71	0.16	0.98	4.40	0.01	4.11	3.19	2.37	1.53	0.17	1.56	[1] 19.27
Vaughn	[1] 0.22	1.68	0.14	1.72	1.49	0.58	4.06	2.42	2.38	0.84	0.53	1.02	[1] 17.08
Varnejo Park	0.16	1.19	0.41	0.77	1.03	2.65	7.25	1.58	3.49	3.77	0.45	0.76	23.51
Virsylvia	0.56	1.58	0.82	0.83	0.54	0.68	4.74	2.81	1.26	3.38	0.54	0.42	18.16
Wagon Mound (near)	T.	1.43	T.	0.10	4.35	1.35	8.45	2.18	1.07	1.89	0.40	1.63	22.85
Winsors	1.20	3.94	0.99	0.84	1.53	1.75	9.91	2.28	1.77	4.56	2.42	0.56	31.75
New York.													
Adams Center	3.78	4.34	3.79	1.43	0.92	3.60	3.26	3.42	4.24	1.43	4.40	3.39	38.00
Addison	1.63	2.82	1.47	2.30	2.56	2.54	2.57	6.26	3.87	2.91	0.82	1.83	31.58
Albany	1.56	1.02	2.51	1.15	2.15	4.27	3.16	4.53	2.86	5.00	1.51	2.38	32.10
Alfred	4.62	2.78	2.34	2.95	3.53	4.82	3.25	7.00	3.34	3.51	2.22	2.27	42.63
Allegany	3.63	3.61	2.08	2.87	3.00	4.39	2.55	9.68	5.16	3.54	3.28	3.33	47.12
Amsterdam	1.68	1.57	2.79	1.56	1.50	3.83	1.15	2.61	3.82	5.83	2.26	2.30	30.90
Angelica	2.06	2.94	1.82	1.83	2.31	3.34	2.04	7.27	3.25	2.95	1.90	2.22	33.93
Appleton	1.94	1.05	1.74	0.69	1.46	1.18	1.43	2.21	2.23	2.71	1.83	2.13	20.60
Athens	2.24	1.45	3.35	1.68	2.37	6.03	3.56	7.43	3.19	6.14	1.75	2.02	41.21
Auburn	1.55	2.01	1.49	1.61	1.89	4.00	2.61	3.92	3.83	2.12	0.78	2.18	27.99
Avon	1.67	1.78	1.23	1.10	2.89	1.73	2.73	2.54	3.19	1.78	1.22	2.19	24.05
Ballston Lake	1.62	1.46	2.92	1.57	1.61	4.90	1.33	2.31	4.47	5.85	2.13	2.68	32.85
Bedford	2.32	2.49	2.21	2.11	1.25	3.32	3.18	7.43	2.57	6.01	4.15	2.67	39.71
Binghamton	2.35	2.12	1.81	1.70	1.94	3.05	2.66	2.32	2.35	3.37	1.07	2.36	27.10
Blue Mountain Lake	4.79	5.12	4.45	1.07	2.50	4.85	2.71	5.58	4.93	.....	3.37	1.02	.....
Bolivar	3.27	3.68	2.16	2.27	4.31	4.64	2.97	4.62	.....	.....	.....	2.72	.....
Bouckville	1.90	3.17	3.89	1.45	3.30	5.04	5.05	4.17	4.89	3.49	2.63	3.66	42.64
Boyds Corners	2.83	2.83	4.69	3.74	2.61	4.14	2.60	9.71	4.19	7.54	4.34	3.67	52.89
Brockport	2.83	2.94	2.50	1.00	1.61	1.11	1.18	2.47	2.69	3.23	2.41	2.70	26.67
Buffalo	2.88	3.95	2.51	1.65	1.30	2.23	4.41	4.61	3.81	3.88	3.58	2.42	37.03
Canton	2.37	2.97	2.59	1.08	2.99	2.59	4.88	2.67	4.50	3.52	3.23	2.77	36.16
Cape Vincent	1.20	2.10	1.36	1.06	3.71	3.16	3.18	2.57	3.33	.....	3.22	2.68	.....
Carmel	3.32	2.87	4.34	3.10	2.75	3.93	2.79	9.66	2.82	7.04	4.19	3.29	50.10
Carvers Falls	1.70	2.16	2.09	0.61	2.28	1.92	2.37	4.53	3.61	3.24	2.02	2.73	29.26
Chatham	2.10	1.61	3.51	1.51	1.00	5.61	2.28	7.00	3.14	4.50	1.70	2.70	36.06
Chazy	0.55	1.82	2.30	0.33	0.40	2.24	1.80	2.47	4.16	2.40	0.75	0.62	19.84
Cooperstown	2.88	2.50	3.15	1.47	2.77	5.74	3.03	7.39	4.06	4.95	3.33	2.92	44.19
Cortland	2.42	3.13	2.10	1.62	2.20	3.79	3.00	3.69	3.26	4.11	2.56	2.85	34.73
Cutchogue	4.51	2.85	4.64	5.31	0.92	2.93	2.63	10.02	1.89	5.21	8.28	4.59	53.78
Dannemora	1.80	2.86	3.36	0.74	2.13	3.89	2.62	2.80	4.14	2.67	2.04	2.52	31.57
Easton	2.11	1.34	1.89	1.88	1.63	2.26	.....	.....	4.30	.....	2.03	3.35	.....
Elba	5.75	5.00	2.35	1.30	2.06	0.90	1.15	4.01	1.91	2.23	2.18	2.25	31.09
Fayetteville	1.09	1.84	2.26	1.23	2.35	3.81	3.49	3.10	2.93	2.12	1.71	2.23	28.16
Gabriels	2.07	2.24	2.36	0.80	2.95	4.74	2.74	3.01	3.55	2.79	4.15	1.75	33.15
Glens Falls	2.21	2.03	2.66	1.06	1.46	3.84	2.56	2.81	4.31	6.69	2.62	3.17	35.42
Gloversville	2.09	2.30	2.59	1.76	1.25	4.94	0.96	3.55	6.88	7.27	3.46	3.00	40.05
Greenville Center	2.51	1.51	3.08	1.46	2.43	3.68	1.63	2.83	5.72	6.56	2.28	2.68	36.35
Greenwich	2.82	1.38	3.52	1.43	2.86	2.99	1.80	2.61	4.30	5.37	2.62	2.82	34.52
Griffin Corners	2.51	1.28	2.92	0.38	0.87	5.55	2.92	5.45	3.83	4.44	2.41	1.95	34.51
Harkness	0.99	1.11	2.03	0.56	0.95	3.21	1.81	2.60	2.75	2.38	1.14	2.02	21.55
Haskinville	1.31	3.13	1.21	1.39	2.87	3.66	2.19	5.73	2.55	3.48	1.86	2.15	31.53
Hemlock Lake	1.41	1.87	1.38	1.59	2.35	2.26	3.40	4.09	3.42	2.01	0.74	2.31	26.83
Hunt	1.10	5.26	3.03	1.82	3.15	1.70	3.71	4.91	3.27	3.34	1.63	3.06	36.00
Indian Lake	1.22	2.50	2.91	1.12	2.57	3.89	1.15	2.56	2.70	3.35	4.40	3.95	32.32
Ithaca	1.96	4.34	1.86	2.05	2.24	3.59	2.53	4.15	2.78	3.30	1.28	1.83	31.91
Jeffersonville	3.27	2.18	2.74	3.06	1.12	7.65	2.28	4.27	3.42	5.11	2.95	3.24	41.29
Keene Valley	1.74	1.92	3.51	1.69	1.17	4.07	2.19	1.94	3.41	3.63	3.27	2.35	30.89
King Ferry	1.69	2.37	1.53	1.92	1.36	2.36	2.00	3.36	3.55	2.55	1.30	2.00	25.99
Lake George	1.74	2.18	2.08	1.07	1.22	3.62	2.52	4.54	4.32	6.23	3.17	3.68	36.37
Lake Placid Club	5.50	5.09	4.61	1.95	3.19	3.87	3.01	3.04	2.29	3.44	3.59	3.12	42.70
Le Roy	2.45	3.64	2.26	1.39	2.27	3.04	2.86	3.37	4.39	2.91	2.10	2.80	33.48
Liberty	3.26	1.99	2.72	1.92	1.76	8.59	2.66	6.14	4.01	4.99	3.45	3.25	44.74
Little Falls	.....	1.78	2.62	1.08	1.70	4.94	2.30	3.02	6.25	4.24	1.49	3.22	.....
Lockport	2.46	1.70	1.90	0.75	2.08	2.16	2.81	2.86	2.00	2.94	2.09	2.15	25.90
Lowville	1.45	1.97	1.90	1.41	4.33	3.97	2.34	3.86	2.16	3.31	3.25	2.30	32.25
Mohonk Lake	2.61	2.73	4.37	3.01	2.77	5.50	2.50	5.85	3.56	10.51	1.56	3.38	48.35
Moira	2.52	4.15	3.85	1.09	2.04	.....	2.00	6.24	3.25	2.33	2.20	2.61	.....
Morehouseville	4.20	4.79	5.60	2.35	3.47	4.45	2.73	4.66	6.05	5.88	7.04	4.89	56.11
Mount Hope	.....	.....	.....	4.25	3.54	7.19	3.15	8.59	2.55	8.58	5.85	5.60	.....
Nehasane	3.92	3.85	5.49	2.48	5.25	5.12	2.79	3.00	3.78	4.29	6.43	4.14	50.54
Newark Valley	2.58	3.03	2.02	1.93	2.59	4.58	3.44	4.22	2.41	4.34	0.91	2.26	34.31
New Lisbon	2.68	1.45	2.33	1.53	1.70	5.56	4.03	4.38	2.79	4.71	2.53	2.62	36.31
New York City	2.27	3.17	2.87	3.06	0.91	4.63	1.55	7.38	1.51	5.38	4.22	3.39	40.34
North Creek	1.53	1.93	2.20	1.06	1.80	2.73	2.74	3.03	3.82	4.14	2.47	3.81	31.26
Ogdensburg	2.65	4.13	2.59	1.16	2.10	2.65	2.39	2.78	2.80	1.98	2.25	2.11	29.59
Old Forge	4.12	4.46	4.43	1.33	3.17	7.35	3.01	3.75	3.76	3.63	6.54	0.88	46.43
Oneonta	2.63	1.63	2.12	1.21	2.15	6.09	1.45	3.84	2.55	4.05	1.61	2.35	31.68
Oswego	1.68	2.89	2.37	1.79	1.80	6.67	4.06	3.86	3.03	3.03	2.75	2.97	36.90
Oxford	2.97	2.90	2.70	2.06	3.49	4.01	2.20	4.61	2.49	5.12	2.27	2.91	37.73
Palermo	1.16	2.51	2.02	1.57	1.31	4.82	3.32	3.11	2.80	2.41	4.19	1.46	30.68
Perry City	2.13	3.46	2.07	2.57	2.16	3.86	3.29	5.15	4.00	3.20	1.44	1.68	35.01

[1] Partly estimated.

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New York—Continued.													
Philadelphia	3.12	2.01	2.56	1.42	3.61	3.01	3.77	3.51	6.06	3.77	4.41	3.03	40.28
Port Jervis	2.03	2.16	3.49	3.48	1.11	7.69	4.14	6.69	3.29	5.89	2.78	3.10	45.85
Potsdam	1.71	3.82	3.83	1.31	1.34	4.84	3.33	4.26	4.44	2.86	3.37	3.05	38.16
Raquette Lake	2.88	4.06	7.22	1.70	3.55	5.03	2.80	3.75	4.74	3.84	6.27	4.96	50.80
Rochester	1.72	3.20	2.68	1.80	2.10	2.04	4.35	4.29	3.56	2.41	1.94	2.77	32.86
Salisbury	.....	2.79	3.54	1.67	2.18	6.09	2.42	2.74	7.29	6.05	4.88	5.74	.....
Setauket	3.27	3.08	3.40	4.24	0.90	1.84	2.97	8.30	2.09	6.13	6.95	3.35	46.52
Shortsville	0.52	1.14	1.59	1.31	1.99	1.69	3.14	3.94	3.57	2.46	1.18	1.86	24.39
Skaneateles	2.55	2.31	2.89	1.94	2.18	4.98	3.02	3.69	3.73	2.63	2.44	2.93	35.29
Southampton	3.58	3.29	3.71	5.80	1.23	3.70	2.47	7.16	2.27	4.23	8.65	4.20	50.29
Southeast Reservoir	3.34	2.66	3.74	3.40	2.48	3.03	1.95	9.27	2.12	6.17	3.93	3.15	45.24
Syracuse	2.11	2.66	2.71	2.03	2.21	3.22	3.06	2.45	2.76	2.16	1.49	3.63	30.49
Ticonderoga	0.50	.....	1.13	0.14	.....	1.15	1.10	1.09	.....	2.56	1.00	.....	.....
Utica	2.46	2.88	2.86	1.52	0.92	5.19	1.28	3.68	6.10	3.69	3.27	4.85	38.70
Volusia	3.22	2.20	1.80	2.23	2.35	1.56	3.27	6.34	3.55	3.60	3.84	3.28	37.24
Wading River	4.29	2.72	4.63	4.82	1.22	2.16	2.40	9.80	2.73	7.02	8.96	4.07	54.82
Wappingers Falls	2.67	2.08	2.37	3.67	1.52	4.99	4.62	7.08	3.42	8.64	2.69	1.78	45.53
Warwick	1.97	2.55	2.77	2.42	0.62	6.75	2.75	7.71	2.70	5.50	3.39	2.98	42.11
Waverly	2.32	2.60	1.96	2.32	2.35	3.96	3.37	4.02	3.06	3.73	1.28	1.95	32.92
Wedgwood	1.53	3.65	1.82	2.02	1.88	3.35	2.56	5.03	3.04	3.85	1.55	2.02	32.30
West Berne	0.83	1.45	1.55	0.75	0.56	5.71	3.05	2.77	3.17	3.98	0.95	1.32	26.08
Westfield	4.46	3.08	2.30	2.41	2.21	1.92	2.98	4.63	2.46	3.81	3.57	3.49	37.32
West Point	4.25	3.07	4.02	3.98	0.57	6.01	2.97	7.10	4.50	8.49	5.37	1.56	51.89
Windham	2.24	1.33	3.01	1.85	1.81	6.22	2.12	3.99	3.22	3.97	1.61	2.30	33.67
Youngstown	1.45	1.69	1.49	0.71	1.33	1.56	1.19	1.57	1.64	2.50	1.65	1.58	18.36
North Carolina.													
Albemarle	.....	.....	.....	.....	.....	.....	1.31	9.28	3.77	3.83	3.18	5.16	.....
Altapass	2.10	2.16	.....	.....	.....	1.06	3.73	2.62	1.39	.....	.....	.....	.....
Andrews	5.94	5.65	4.15	7.91	1.75	1.71	6.51	3.15	3.97	4.86	4.87	6.71	57.18
Asheville	1.62	2.19	3.03	4.87	2.69	1.35	2.49	8.63	2.26	3.83	2.20	2.60	37.76
Banners Elk	3.73	2.64	5.70	5.38	2.05	3.40	2.59	6.95	2.40	4.25	3.66	4.19	46.94
Beaufort	2.37	0.95	4.16	1.80	1.26	1.72	1.91	4.73	3.65	3.49	2.03	4.70	32.77
Belhaven	2.65	1.15	4.33	2.71	1.35	2.52	3.15	1.88	4.26	3.74	1.90	2.85	32.49
Blowing Rock	.....	.....	.....	.....	.....	.....	4.55	.....	.....	4.08	.....	5.10	.....
Brevard	3.87	2.48	2.47	9.60	2.24	2.02	6.40	8.69	7.65	8.23	4.96	4.53	61.14
Brewers	3.49	2.18	4.08	4.51	1.70	3.93	2.46	5.92	4.22	6.03	3.71	4.36	46.59
Bryson City	4.65	4.38	5.85	6.68	0.71	4.88	5.50	3.42	3.70	4.40	4.22	5.66	54.05
Caroleen	2.89	2.11	3.09	5.43	0.39	1.17	2.73	6.02	4.80	6.37	3.33	7.06	45.39
Chalybeate Springs	1.86	1.89	3.97	1.73	2.63	2.88	3.73	5.21	1.51	3.98	4.11	3.94	37.44
Chapel Hill	2.02	2.56	3.52	4.25	2.37	.....	.....	.....	.....	3.08	3.29	4.40	.....
Charlotte	1.93	1.93	2.77	2.66	1.23	2.02	2.86	6.20	4.76	3.51	3.36	4.64	37.87
Chimney Rock	3.64	2.05	3.21	7.71	1.30	1.03	3.67	8.68	1.98	7.49	3.56	6.17	50.49
Cullowhee	3.55	2.63	3.11	7.07	1.83	2.97	6.67	3.46	2.57	3.94	3.43	4.23	45.46
Durham	1.94	2.37	3.57	2.25	1.67	3.00	1.89	8.02	0.73	3.26	4.34	4.87	37.91
Eagle Nest	.....	.....	.....	.....	.....	.....	4.08	4.07	2.93	.....	.....	.....	.....
Eagletown	3.66	3.02	4.85	3.60	1.41	1.59	6.95	8.90	2.04	2.95	5.72	3.72	48.41
Edenton	2.95	2.50	4.38	2.60	0.90	2.65	2.90	4.03	4.85	4.15	4.06	5.35	41.32
Elizabeth City	.....	.....	.....	1.88	.....	2.29	.....	.....	.....	.....	.....	.....	.....
Elizabethtown	.....	0.50	2.14	2.07	0.27	3.52	0.70	7.26	5.74	5.21	3.85	2.75	.....
Enfield	2.75	3.04	4.05	3.30	0.77	3.41	3.93	5.63	1.56	2.35	5.96	2.76	39.51
Fayetteville	1.69	0.88	3.99	2.40	0.66	2.80	2.59	6.76	1.98	3.29	4.06	4.53	35.63
Graham	3.01	2.71	3.91	2.89	1.63	2.97	2.21	8.45	4.24	3.69	3.91	4.43	44.05
Goldsboro	4.59	1.29	3.43	2.46	0.57	2.20	2.82	3.53	2.65	3.53	4.44	3.31	34.82
Greensboro	3.81	1.97	4.00	3.10	1.73	2.66	2.22	5.79	3.88	4.05	4.07	4.38	41.66
Greenville	3.83	1.51	3.62	2.36	1.54	2.91	4.03	3.33	4.05	2.93	4.66	2.91	37.68
Hatteras	1.08	0.88	5.63	1.64	0.70	2.75	1.08	3.61	5.08	2.43	1.05	3.76	29.64
Henderson	3.28	2.99	3.45	3.43	2.94	2.66	8.11	7.97	1.05	4.14	5.28	4.62	49.92
Hendersonville	4.68	3.06	3.26	7.91	1.88	0.96	2.58	5.51	2.63	6.33	3.88	6.51	49.19
Highlands	4.44	4.58	4.86	14.35	3.35	2.89	5.20	13.33	5.90	7.58	.....	.....	.....
Hot Springs	2.18	3.19	5.53	5.02	0.54	1.97	5.30	3.98	3.56	3.42	2.52	2.05	39.35
Jefferson	3.53	2.02	6.54	7.04	2.31	2.49	2.91	6.36	4.04	6.46	4.16	5.41	53.27
Kings Mountain	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.28	2.46	3.26	.....
Kinston	3.30	1.24	4.02	2.22	1.60	0.98	2.45	4.64	3.77	2.93	3.89	2.62	33.65
Lenoir	2.62	2.61	3.21	5.31	1.67	2.33	4.11	5.45	4.93	6.88	3.68	4.31	47.11
Lincolnton	1.98	1.97	3.38	5.56	1.21	4.14	1.35	2.53	4.41	4.02	3.64	6.60	41.09
Louisburg	2.30	2.80	4.19	2.43	1.13	5.01	5.84	5.67	2.53	3.76	4.52	4.15	44.33
Lumberton	1.84	0.56	2.90	1.82	0.40	5.36	3.75	10.06	4.85	4.84	4.36	2.35	43.09
Manteo	2.06	0.94	4.79	2.42	0.76	2.32	1.92	4.25	1.91	8.42	3.08	2.74	35.61
Marion	2.65	2.24	2.94	7.33	1.82	1.80	4.19	5.16	0.91	6.67	3.98	4.24	43.93
Marshall	.....	.....	.....	4.84	0.32	1.67	2.68	7.39	2.34	4.37	2.59	2.26	.....
Middletown	.....	.....	.....	3.20	1.20	3.93	2.82	5.33	5.75	5.30	2.62	2.57	.....
Moncure	1.78	2.36	3.38	2.11	1.33	2.59	3.81	7.57	1.96	2.60	4.56	4.62	38.67
Monroe	2.50	1.83	2.55	1.83	0.64	1.68	1.96	5.64	3.69	5.02	3.33	6.12	36.79
Morganton	2.44	2.21	2.86	6.64	1.30	1.46	2.68	6.95	3.55	5.69	4.03	5.06	44.87
Mount Airy	3.52	1.98	3.37	5.05	1.53	3.58	2.85	6.09	3.47	5.68	3.82	4.68	45.62
Mount Holly	2.24	2.32	2.60	4.80	0.64	3.34	2.37	4.76	4.88	3.96	4.12	5.28	41.31
Murphy	6.45	3.20	.....	7.31	1.66	1.58	6.59	4.11	4.19	5.16	4.48	5.51	.....
Nashville	3.41	3.33	3.93	2.55	1.25	4.32	5.08	3.66	1.14	2.71	5.38	3.20	39.96
Neuse	.....	.....	.....	.....	.....	.....	.....	8.05	0.62	3.36	4.65	4.16	.....
Newbern	3.05	0.92	4.61	2.56	1.44	2.66	4.29	5.32	6.85	6.37	2.39	2.28	42.74
Parkersburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.85	3.90	4.30	.....
Pinehurst	2.82	2.18	2.99	2.95	1.32	3.26	0.85	10.64	3.06	3.81	3.71	7.45	45.04
Pittsboro	.....	.....	.....	1.95	1.15	.....	.....	.....	.....	.....	.....	5.20	.....
Raleigh	1.81	2.52	3.52	2.56	2.10	1.26	2.95	7.36	1.74	3.08	4.26	4.80	37.96
Ramseur	2.23	1.67	3.01	3.05	0.76	2.20	0.66	11.17	1.35	4.00	4.07	3.92	38.09
Randleman	2.85	2.21	3.53	3.40	2.74	2.03	1.05	5.15	2.05	4.15	3.34	4.09	36.59
Reidsville	3.52	1.66	3.84	4.57	1.00	1.69	1.80	7.85	2.35	4.69	3.73	3.91	40.61
Rock House	5.67	4.07	4.05	14.22	2.91	3.10	6.17	13.32	4.49	8.01	6.72	8.72	81.45
Rockingham	.....	0.76	3.31	2.44	1.38	3.14	2.43	.....	.....	3.74	1.47	6.37	.....
Rocky Mount	2.92	3.30	3.25	2.29	0.95	4.32	3.98	5.89	0.83	2.41	4.95	2.43	37.52
Roxboro	3.20	2.12	3.05	3.13	2.52	3.08	3.50	9.68	0.85	3.60	2.33	.....	.....
Salem	2.91	2.62	3.95	3.08	1.36	3.11	2.43	5.30	4.39	4.90	3.94	4.18	42.17
Salisbury	2.85	1.43	3.89	4.27	1.29	3.32	2.47	6.68	2.72	4.42	3.10	6.31	42.75
Saxon	2.74	1.83	3.32	4.44	1.14	3.50	2.01	7.10	1.21	5.37	4.56	4.35	41.57

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
North Carolina—Continued.													
Scotland Neck	3.41	3.24	3.72	3.57	0.77	2.83	3.52	5.68	2.74	1.83	5.02	3.06	39.39
Selma	3.70	1.88	.....	.....	1.20	2.30	0.95	5.85	2.40	2.60	4.70	.....	.....
Settle	2.09	1.68	3.59	2.97	0.73	3.65	2.84	3.00	2.95	7.01	4.04	4.96	39.51
Sloan	3.09	0.52	3.96	1.93	0.54	3.45	4.95	5.90	4.55	4.85	1.99	.....	.....
Smithfield	.....	.....	.....	.....	.....	.....	3.73	4.45	4.51	2.36	4.51	3.12	.....
Snow Hill	4.16	1.72	3.51	2.70	0.48	2.35	1.85	7.37	5.80	3.17	3.90	2.95	39.96
Southern Pines	2.00	1.30	3.21	.....	2.17	3.77	3.00	6.22	3.40	3.12	3.00	4.45	.....
Southport	1.83	0.71	2.30	1.09	0.94	5.17	1.28	7.46	7.46	2.74	1.64	3.94	36.56
Statesville	2.49	1.99	4.22	3.75	1.40	5.60	2.59	3.54	1.86	6.13	4.78	5.31	43.66
Tarboro	3.73	2.15	3.67	2.89	0.52	2.82	5.48	5.16	4.13	2.60	4.87	3.10	41.12
Waynesville	3.98	3.20	3.42	7.76	0.98	1.82	5.03	3.35	2.34	4.10	3.88	4.78	44.64
Weldon	3.48	2.01	3.08	2.43	0.68	2.31	5.12	4.10	3.62	2.67	5.54	3.74	38.78
Whiteville	1.23	0.75	2.84	1.87	0.50	4.59	4.96	2.00	.....	2.45	.....	.....	.....
Willard	3.39	0.65	3.17	1.45	0.71	4.20	5.32	4.98	7.47	5.23	2.50	2.43	41.50
Wilmington	2.03	0.45	3.95	0.70	0.28	2.14	3.64	13.85	5.79	2.75	1.04	3.41	40.03
North Dakota.													
Amenia	0.18	0.85	T.	2.20	6.25	2.07	2.00	2.35	2.81	1.33	0.75	0.48	21.27
Aplin	0.50	0.30	0.21	0.22	1.00	3.81	2.39	3.21	2.30	1.52	0.33	0.16	15.95
Ashley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.62	0.70	.....
Beach	0.61	0.78	0.22	1.28	2.86	3.85	1.22	2.29	2.07	1.52	0.63	0.58	17.91
Belfield	.....	.....	.....	.....	2.71	3.00	1.41	1.46	2.34	2.28	0.18	0.30	.....
Berthold Agency	0.66	0.57	0.20	0.29	1.69	4.27	2.27	3.06	1.61	1.59	0.48	0.20	16.89
Bismarck	1.50	0.42	0.31	1.18	1.18	2.73	1.13	2.72	2.26	0.71	0.78	0.30	15.22
Bottineau	1.03	0.31	0.23	0.55	2.28	2.49	3.10	4.78	2.70	2.48	0.27	0.23	20.45
Broncho	0.92	0.90	0.12	0.66	1.67	2.36	3.03	3.77	2.62	T.	0.50	0.25	16.80
Buford	0.30	0.60	0.50	0.27	2.64	1.20	0.96	1.89	3.24	0.59	0.55	0.30	13.04
Cando	0.25	0.15	0.25	0.78	2.67	6.15	1.63	4.24	2.00	1.55	0.28	0.10	20.05
Crosby	1.09	0.55	0.19	0.63	3.70	3.97	1.31	2.32	2.56	1.74	0.57	0.33	18.96
Devils Lake	0.83	1.42	0.16	1.99	3.13	2.82	2.04	5.43	2.22	1.65	0.47	0.25	22.41
Dickinson	0.90	0.55	0.43	0.59	1.63	2.61	1.27	2.18	2.63	2.16	0.56	0.22	15.73
Donnybrook	0.40	0.85	0.33	0.14	2.58	2.78	2.37	4.22	3.23	2.03	0.72	0.19	19.84
Dunseith	0.95	0.40	0.20	0.37	1.92	2.89	.....	.....	.....	.....	.....	.....	.....
Edgeley	0.27	0.35	0.03	1.61	2.31	1.19	1.76	4.10	2.43	0.41	0.20	0.41	15.07
Edmore	0.83	0.70	T.	1.70	3.37	3.07	0.98	4.43	1.81	0.13	0.20	0.41	17.63
Epping	1.43	0.49	0.02	0.41	3.58	2.01	0.49	2.90	3.16	1.00	0.41	0.35	16.25
Fessenden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.37	0.19	.....
Forman	0.45	T.	0.10	2.45	2.37	3.44	2.42	2.70	3.45	1.01	1.22	1.10	20.71
Fullerton	0.72	0.81	0.21	1.98	3.69	3.32	1.75	3.07	2.30	0.91	0.98	1.00	20.74
Garrison	1.35	0.65	0.98	1.12	1.36	2.99	2.02	5.68	1.77	1.30	0.60	0.36	20.18
Grafton	2.12	0.71	0.11	2.07	3.76	4.22	1.61	2.78	2.06	1.61	0.57	0.25	21.87
Granville	1.10	0.32	0.10	0.31	1.73	3.10	1.97	5.05	2.90	1.45	0.36	0.25	18.64
Haley	0.20	0.02	0.17	0.29	1.43	2.95	0.46	1.85	1.37	0.57	0.41	0.22	9.94
Hannah	0.70	0.30	0.10	2.12	3.56	2.67	2.37	3.22	2.05	2.08	0.80	0.40	20.37
Hansboro	0.33	0.40	0.00	1.04	2.95	2.42	0.98	3.64	2.14	1.72	0.40	0.19	16.21
Hettinger	0.05	0.01	0.16	0.77	0.43	1.19	0.26	2.07	1.88	0.55	0.40	0.40	8.17
Hillsboro	0.61	1.40	0.15	2.84	5.49	2.63	2.50	3.80	1.68	1.35	1.32	0.54	25.31
Howard	1.30	1.77	0.12	1.01	3.75	2.61	0.42	2.12	4.29	1.24	0.95	0.50	20.08
Jamestown	1.67	0.80	0.25	2.41	3.92	2.07	2.96	6.72	2.90	0.86	0.99	0.72	26.27
Lakota	0.49	0.43	0.08	2.44	4.42	4.86	2.14	4.95	2.61	2.19	0.52	0.47	25.60
Lamoine	2.00	1.10	0.39	1.06	4.74	1.99	1.09	3.82	1.65	0.96	0.50	T.	19.30
Langdon	.....	1.14	.....	1.88	2.79	4.35	1.38	6.43	2.10	.....	.....	0.19	.....
Larimore	3.65	.....	0.30	2.48	7.54	7.15	1.95	4.31	1.95	2.17	0.88	0.49	.....
Lisbon	1.30	1.00	T.	2.68	5.04	3.96	1.89	2.95	3.79	0.98	1.00	0.50	25.09
McHenry	2.20	0.73	0.57	0.82	2.00	2.78	3.70	3.94	1.26	1.61	0.28	0.65	20.54
McKinney	0.60	0.80	0.15	0.30	2.76	2.05	1.06	3.10	3.63	1.74	0.45	0.15	16.79
Manfred	1.10	1.10	0.36	1.40	2.20	3.05	2.77	3.81	2.92	1.33	0.77	0.44	21.25
Marmarth	0.20	0.12	0.10	0.44	2.36	2.98	1.21	1.62	1.85	0.46	0.22	0.44	12.00
Marstonmoor	0.70	0.75	0.15	1.70	2.76	3.77	2.05	3.72	1.26	1.39	1.00	0.30	19.55
Mayville	1.20	0.45	0.16	2.79	5.22	2.97	3.19	2.90	2.61	1.73	1.03	0.20	24.45
Medora	0.75	0.54	1.21	1.52	3.05	2.19	1.29	1.28	1.66	2.46	1.16	0.53	17.64
Melville	1.80	2.70	T.	1.55	4.96	3.45	1.76	4.76	1.73	0.83	0.51	0.30	24.35
Minot	0.53	1.14	0.26	0.30	2.09	3.63	1.21	4.87	2.28	1.14	0.46	0.25	18.16
Minto	1.00	1.05	0.13	2.15	5.03	4.13	2.12	3.20	1.96	2.23	0.64	0.33	23.97
Mott	1.42	0.30	0.33	0.53	0.52	3.18	1.21	1.94	1.82	1.00	1.62	0.67	14.54
Napoleon	0.25	0.50	0.25	1.50	1.75	1.78	0.80	2.19	1.28	0.88	0.56	0.40	12.14
New England	0.65	0.40	0.00	0.50	1.02	3.53	1.30	.....	.....	.....	.....	.....	.....
New Rockford	0.30	0.90	0.06	0.70	4.02	4.34	2.17	5.67	2.77	1.46	0.37	0.20	22.96
New Salem	2.28	0.66	0.35	0.89	1.09	5.27	1.80	3.32	4.98	1.18	1.51	0.37	23.70
Orange	0.35	0.35	0.57	0.54	0.78	0.72	0.79	.....	.....	.....	.....	.....	.....
Oriska	0.85	0.41	T.	2.73	6.59	3.10	2.33	3.04	1.66	0.41	0.33	0.11	21.56
Park River	0.26	1.28	0.00	1.53	3.31	4.75	1.29	3.81	2.22	1.52	0.86	0.33	21.15
Pembina	0.20	2.85	0.33	3.14	5.18	0.70	3.17	1.21	0.89	1.19	0.32	0.33	19.51
Power	0.85	0.50	0.20	1.82	5.02	2.99	2.34	2.61	3.90	0.72	0.75	0.30	22.00
Pratt	.....	.....	.....	T.	1.67	2.23	1.63	5.71	.....	.....	0.10	0.10	.....
Steele	1.20	0.90	0.45	1.36	.....	.....	.....	.....	.....	.....	.....	.....	.....
Towner	1.10	0.80	0.40	0.70	1.90	2.98	1.95	5.11	1.91	0.93	0.20	0.25	18.23
University	0.89	1.27	0.24	2.82	3.28	4.87	2.06	3.30	1.22	1.60	1.10	0.53	23.18
Wahpeton	0.70	0.40	0.10	1.86	1.41	2.42	2.51	3.99	2.61	0.70	0.48	0.28	17.46
Walhalla	.....	.....	.....	.....	.....	.....	.....	5.36	1.73	1.30	0.90	0.85	.....
Washburn	0.64	0.40	0.23	0.18	3.45	4.39	1.47	2.53	2.71	0.94	0.23	0.29	17.46
Westhope	0.60	.....	.....	.....	.....	2.93	1.34	5.38	2.68	2.22	0.25	T.	.....
Williston	0.56	0.34	0.20	0.24	2.81	1.44	1.21	2.27	2.25	0.53	1.25	0.59	13.69
Willow City	0.45	1.00	0.10	0.71	1.59	7.47	1.17	4.77	2.50	1.56	0.52	0.00	21.84
Ohio.													
Akron	1.69	1.79	1.31	3.24	2.18	4.99	3.07	4.88	5.42	6.40	2.82	3.50	41.29
Amesville	4.88	1.95	2.32	3.83	1.10	3.93	2.41	7.28	5.88	3.95	3.17	3.69	44.41
Bangorville	3.76	2.14	2.94	5.56	2.77	2.43	1.66	6.68	4.32	4.94	2.49	4.58	44.27
Bellefontaine	4.60	1.55	1.57	3.80	2.01	2.98	5.28	5.39	4.66	4.60	3.95	3.14	43.53
Benton Ridge	2.98	1.95	1.63	3.64	1.44	3.46	2.36	3.59	2.50	4.68	3.05	3.52	34.80
Bladensburg	.....	1.89	2.67	3.68	.....	2.17	3.96	.....	3.70	4.98	2.10	3.30	.....
Bowling Green	2.52	1.76	2.04	4.15	1.86	5.05	2.60	3.92	2.77	4.51	3.33	3.25	37.76
Bucyrus	4.70	3.04	1.25	4.68	1.47	3.05	1.07	5.06	3.25	4.95	3.30	3.87	39.69

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Ohio—Continued.													
Cadiz	4.37	2.16	2.84	4.74	1.28	2.96	5.17	8.13	5.95	5.26	2.90	4.10	49.86
Cambridge	5.89	1.49	2.84	3.80	1.76	2.98	4.41	7.37	6.78	4.88	2.88	4.20	49.26
Camp Dennison	3.81	1.53	3.13	5.18	1.88	4.21	2.79	3.70	6.75	4.94	3.12	4.00	45.04
Canal Dover	3.75	2.04	2.61	4.49	0.96	2.78	1.75	7.27	6.92	4.67	2.87	4.71	44.82
Canton	3.87	2.53	3.19	4.35	1.38	3.57	3.48	6.87	4.50	4.66	2.65	4.22	45.27
Cardington	.....	1.56	1.92	3.50	2.03	1.88	2.45	4.53	4.28	.....	.....	4.48	.....
Chillicothe	3.79	1.72	1.87	3.90	1.34	4.79	0.20	4.85	5.67	.....	2.75	3.99	.....
Cincinnati	4.28	1.80	3.05	5.23	1.54	3.04	4.61	3.06	7.52	4.54	2.92	3.46	45.05
Circleville	3.86	1.90	2.44	5.01	1.00	3.17	3.12	4.70	4.25	4.71	2.73	4.63	41.52
Clarington	6.61	2.17	2.35	4.46	1.68	4.85	1.35	6.84	6.42	5.55	3.06	4.54	49.88
Cleveland (Weather Bureau)	2.80	1.81	1.54	3.42	1.97	2.88	1.71	5.18	4.67	5.16	3.56	2.67	37.37
Cleveland (Odenbach)	3.90	1.86	2.04	3.71	2.59	3.38	1.40	6.08	4.68	4.95	2.49	3.10	40.18
Columbus	4.46	1.71	2.36	4.37	1.15	4.04	3.29	3.62	5.98	5.21	2.71	4.53	43.43
Columbus Reservoir	4.02	0.82	2.26	5.19	0.34	3.18	1.89	4.01	5.41	5.50	2.76	4.68	40.06
Conneaut	3.80	1.86	1.42	2.80	2.71	2.63	1.55	4.97	5.70	4.15	3.05	2.93	37.57
Coshocton	4.09	2.13	2.36	4.99	1.36	3.20	2.91	7.97	5.86	4.15	3.04	5.56	47.62
Dayton (Weather Bureau)	.....	.....	.....	.....	.....	.....	.....	3.25	4.19	4.34	2.26	3.13	.....
Dayton (Boyer)	3.91	1.57	2.67	5.87	2.01	2.45	1.36	3.58	4.20	5.19	2.46	3.47	38.74
Defiance	1.15	0.98	1.30	3.51	0.62	5.30	1.35	2.49	3.19	3.89	3.57	3.19	30.54
Delaware	3.91	1.56	1.98	4.39	2.74	2.66	2.43	4.22	4.16	5.12	2.15	5.29	40.60
Demos	6.12	1.85	2.80	4.84	0.98	5.15	1.98	6.84	6.30	5.25	3.58	4.93	50.62
Dennison	3.92	2.06	2.87	4.48	1.66	2.91	1.77	5.80	6.77	3.77	2.43	4.32	42.76
Findlay	2.77	2.02	1.48	3.88	0.53	4.28	1.79	4.67	2.60	4.94	3.32	3.73	36.01
Frankfort	4.57	1.50	2.20	4.07	1.27	3.45	0.55	4.99	4.07	3.15	1.93	5.31	37.06
Fremont	2.56	1.57	1.66	3.72	1.70	6.34	1.28	3.53	2.85	5.71	2.53	2.76	36.21
Garrettsville	3.45	2.29	2.35	3.51	3.04	3.34	2.20	6.38	6.18	6.00	3.48	3.90	46.12
Granville	6.08	1.73	2.33	5.28	1.08	2.65	2.48	5.27	5.11	5.57	3.25	5.06	45.89
Gratiot	5.92	2.01	3.00	4.66	1.54	1.64	3.31	6.99	5.03	4.81	2.53	4.75	46.19
Green	4.44	2.69	2.79	5.34	0.10	2.48	2.57	5.88	4.35	4.22	3.08	5.04	42.98
Green Hill	3.75	2.34	2.28	4.02	0.63	3.82	2.25	5.83	4.62	4.09	2.44	4.12	40.19
Greenville	3.38	1.50	2.38	4.25	2.28	3.16	1.28	4.29	5.45	5.97	3.29	3.41	40.64
Hamilton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.08	3.37	.....
Haydenville	.....	.....	.....	.....	.....	.....	.....	3.92	4.65	4.60	3.14	4.13	.....
Hedges	2.57	1.94	1.41	4.89	1.46	7.22	1.24	2.61	3.18	3.88	4.14	3.78	38.32
Hillhouse	3.61	1.85	2.02	4.39	2.10	3.47	2.44	4.83	6.86	6.02	3.46	3.15	44.20
Hillsboro	4.70	2.64	3.05	5.05	1.63	7.58	0.97	5.41	5.82	5.13	3.69	6.54	52.21
Hiram	3.27	2.58	2.01	3.64	2.73	3.12	2.65	5.02	5.29	5.93	3.51	4.11	43.86
Hudson	.....	1.95	2.31	4.65	1.79	3.33	1.21	5.55	6.27	7.22	3.14	.....	.....
Ironton	4.80	3.65	2.87	4.90	0.87	3.37	3.70	3.84	3.63	3.76	3.49	5.34	44.22
Jacksonburg	3.61	1.55	3.12	5.06	1.93	3.97	1.82	4.97	4.73	4.46	2.98	3.80	42.00
Kenton	3.03	1.26	1.73	4.04	2.04	2.90	2.81	4.85	3.90	2.30	2.74	3.45	35.05
Killbuck	4.03	1.91	2.78	5.05	2.50	3.60	2.83	6.69	6.47	6.17	3.43	5.25	50.71
Lancaster	4.59	1.60	2.41	4.47	1.26	2.78	1.27	5.50	5.06	6.76	2.66	4.40	42.79
Lima	4.57	2.57	2.61	3.83	0.87	4.85	0.75	6.45	4.13	2.52	3.27	3.43	40.15
McConnelsville	5.06	1.72	2.23	4.73	1.55	4.07	1.83	6.25	4.13	6.09	3.67	4.31	45.64
Marietta	5.40	2.15	2.34	4.46	2.73	3.10	4.62	5.97	3.70	5.12	3.33	3.01	45.93
Marion	3.39	2.09	2.29	4.71	2.02	2.55	3.39	4.12	3.59	5.60	3.28	5.39	42.42
Medina	3.24	2.66	1.52	3.83	2.05	4.20	2.75	6.73	5.22	6.20	2.61	3.48	44.49
Milfordton	4.41	1.63	2.84	4.25	1.04	2.37	4.14	4.91	3.32	5.62	1.99	5.10	41.62
Milligan	5.05	1.77	2.62	4.18	1.18	3.44	2.38	5.78	5.96	5.21	2.84	4.86	45.27
Millport	3.90	2.18	2.49	4.13	0.68	4.02	1.79	6.83	4.85	3.91	2.22	3.85	40.85
Montpelier	2.59	2.07	1.66	3.78	2.43	5.94	2.28	4.49	2.84	3.46	4.12	2.40	38.06
Napoleon	1.99	1.25	0.91	3.41	2.10	5.83	2.43	3.13	2.88	5.01	4.00	1.88	34.82
Nellie	3.96	1.65	1.67	3.81	1.95	3.16	2.60	7.66	5.32	5.60	2.66	5.10	45.14
New Alexandria	2.30	1.90	3.30	5.82	2.45	2.85	3.45	6.50	6.15	4.11	2.10	3.45	44.38
New Berlin	3.72	2.89	2.49	3.80	3.01	4.44	3.12	5.53	4.83	5.27	2.58	3.82	45.50
New Bremen	2.55	1.08	1.49	3.31	1.78	2.89	1.28	5.24	4.14	3.07	2.44	2.36	31.63
New Waterford	4.15	.....	1.09	6.73	0.96	6.04	3.18	5.77	6.69	5.48	2.73	4.66	.....
North Royalton	3.77	2.66	1.45	3.61	2.81	2.97	2.47	7.36	5.99	6.24	2.83	3.10	45.26
Norwalk	3.34	2.46	1.59	4.00	0.70	4.73	1.24	6.20	2.11	5.31	2.91	3.14	37.73
Oberlin	3.26	2.22	1.03	3.18	1.45	3.33	2.96	8.33	4.26	5.66	2.59	2.76	41.03
Ohio State University	4.31	1.36	2.20	4.70	1.00	2.88	1.59	4.63	5.15	5.39	2.41	4.58	40.20
Ottawa	2.47	1.28	2.30	3.84	1.61	3.94	3.43	2.87	3.00	4.35	2.59	3.06	34.74
Pataskala	5.56	1.47	2.93	5.54	1.37	3.00	2.80	4.72	7.18	5.68	3.38	5.19	48.82
Peebles	3.60	2.43	2.91	5.91	0.89	4.89	0.53	6.09	5.98	3.24	2.43	4.47	43.37
Philo (Burckholter)	5.16	1.13	1.70	4.03	1.25	6.59	2.65	5.24	5.41	4.47	2.05	4.35	44.03
Philo (Hardtla)	6.32	1.83	2.19	4.27	2.16	5.06	3.66	6.49	6.69	4.63	2.57	4.58	50.45
Piqua	4.31	1.67	2.47	5.13	0.99	4.72	1.87	6.39	6.36	8.32	4.27	5.32	51.82
Plattsburg	4.47	1.44	2.59	5.81	2.03	3.05	2.23	6.57	4.86	5.73	2.27	4.01	45.06
Portsmouth	5.09	3.14	3.27	5.52	0.89	4.24	3.01	5.86	4.24	3.36	3.43	5.05	47.10
Prospect	.....	.....	.....	2.63	2.27	.....	3.78	2.15	4.78	.....	.....	3.80	.....
Rittman	2.75	2.72	2.28	4.15	2.96	.....	1.75	7.25	.....	5.00	3.00	3.80	.....
Sandusky	2.77	1.93	1.66	3.46	1.72	3.90	2.09	5.31	3.53	5.06	2.19	2.20	35.82
Shenandoah	3.42	2.32	1.79	3.69	1.26	6.19	2.15	6.73	3.36	6.38	2.53	3.94	43.76
Sidney	4.15	1.41	2.48	3.89	1.67	2.83	3.36	9.24	4.35	6.18	3.33	3.40	46.29
Somerset	4.18	1.43	1.24	4.61	1.48	5.80	2.46	7.02	4.40	6.06	1.51	2.99	43.18
Springfield	4.34	1.58	2.85	5.74	1.80	2.64	4.02	5.47	6.79	6.38	2.41	3.68	47.70
Summerfield	6.25	1.71	3.05	4.17	1.85	6.30	4.10	7.21	4.64	4.66	3.49	4.94	52.37
Syracuse	5.68	2.09	2.75	.....	2.11	3.56	1.86	5.29	5.34	4.85	.....	.....	.....
Thurman	4.31	1.35	1.00	4.09	1.89	4.67	1.24	3.53	3.71	2.62	2.97	3.91	35.29
Tiffin	3.20	1.97	2.29	3.98	2.78	4.58	2.72	4.44	2.33	5.15	3.66	3.26	40.35
Toledo (Weather Bureau)	2.14	2.22	1.61	4.16	1.63	7.86	1.25	3.57	3.26	4.46	3.48	3.17	39.11
Toledo (Krance)	1.73	1.86	1.56	3.23	1.41	.....	.....	.....	.....	.....	.....	.....	.....
Upper Sandusky	4.16	2.50	2.78	5.82	2.10	2.43	2.62	5.71	3.97	4.43	3.94	3.79	44.25
Urbana	4.17	1.40	1.27	4.40	2.57	3.83	3.80	4.99	6.72	7.58	2.66	3.30	46.69
Vickery	2.92	1.84	1.79	3.77	1.79	4.91	1.77	2.94	2.30	5.58	2.42	2.89	34.92
Warren	3.65	2.80	3.06	4.00	2.16	5.30	1.73	5.39	7.29	5.39	2.61	3.69	47.07
Wauseon	2.10	2.09	1.90	4.03	0.83	7.65	2.45	4.11	3.81	5.10	3.83	2.84	40.74
Waverly	4.16	1.52	3.26	4.88	1.93	6.29	1.42	5.48	6.86	3.43	2.90	4.05	46.18
Waynesville	3.66	1.04	2.73	4.88	1.64	3.71	1.02	3.76	5.67	3.65	2.51	4.24	38.51
Wellington	3.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Willoughby	3.63	.....	1.58	3.61	2.32	2.47	3.56	3.97	6.01	5.34	2.60	3.29	.....
Wooster	4.13	2.25	3.26	3.71	2.45	3.78	3.36	5.19	6.53	5.45	2.50	4.54	47.15
Youngstown	3.92	3.76	3.37	4.90	1.15	4.29	1.90	7.79	5.96	2.15	2.74	3.98	51.91
Zanesville	5.38	1.64	2.05	4.55	1.20	2.80	2.17	4.13	5.83	3.84	1.67	4.63	38.29

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oklahoma.													
Ada	0.20	3.79	0.75	2.54	2.76	2.59	6.89	3.86	2.12	1.84	0.94	3.85	32.13
Alva	T.	4.58	0.00	2.50	7.20	0.00	6.28	6.87	2.36	1.35	0.22	3.39	34.75
Apache	0.25	3.90	0.29	2.72	1.79	0.47	8.03	1.11	4.28	1.44	0.84	7.73	32.85
Arapaho	0.10	4.34	0.43	1.91	2.71	0.40	7.14	3.63	0.81	2.18	1.30	3.75	28.70
Ardmore	0.25	4.09	1.79	3.01	1.93	0.20	3.13	7.59	3.31	1.10	1.05	4.61	32.06
Arnett	.....	.....	.....	1.83	5.51	0.10	6.90	2.52	1.15	1.25	0.70	3.50	.....
Bartlesville	0.28	4.86	0.18	4.60	2.04	0.74	6.14	3.83	1.76	0.28	1.34	3.28	29.33
Beaver	0.15	4.64	0.45	0.80	3.12	0.47	2.63	3.26	0.92	1.18	0.63	4.10	22.35
Blackburn	0.08	3.58	0.30	3.67	2.04	1.66	4.40	9.23	2.34	1.15	1.01	4.75	34.21
Cache	0.00	2.53	0.32	1.66	1.40	0.30	8.66	2.28	4.07	1.69	1.51	7.12	31.54
Calvin	0.33	2.62	1.42	4.74	2.48	1.64	4.56	3.76	4.60	2.04	1.10	2.88	32.26
Chandler	.....	2.11	0.86	4.46	0.83	1.38	3.19	2.97	4.39	2.54	.....	.....	.....
Chattanooga	0.18	2.09	0.11	1.99	0.98	1.84	5.57	2.45	3.79	0.63	0.84	8.03	28.50
Chickasha	0.37	2.26	T.	3.39	.....	0.36	6.22	1.52	2.28	0.75	0.54	4.94	.....
Cloud Chief	0.16	3.88	0.19	1.60	2.12	0.53	6.72	1.97	1.60	1.25	1.10	5.80	26.92
Durant	0.69	4.70	1.00	5.32	2.03	0.88	3.02	4.04	3.34	2.03	1.03	3.37	31.45
Eldorado	0.16	4.15	0.12	1.32	1.73	T.	3.49	2.16	0.97	1.13	0.41	5.03	20.67
Elk City	.....	.....	.....	.....	.....	.....	.....	.....	0.83	0.15	.....	3.62	.....
El Reno	0.14	1.83	0.04	3.25	1.48	0.40	3.90	2.39	2.16	.....	0.38	4.82	.....
Enid	0.13	3.22	0.20	3.20	2.16	1.37	9.30	4.99	1.94	1.90	0.94	3.88	33.23
Erick	0.11	3.49	0.42	0.55	6.51	T.	8.45	1.69	1.07	2.16	0.57	4.55	29.57
Fairland	0.20	2.33	1.60	6.04	1.49	3.23	10.65	3.86	5.76	2.70	2.19	2.97	43.02
Fort Gibson	1.03	2.23	1.83	6.66	2.47	1.61	3.46	6.03	3.32	2.82	1.89	3.33	36.68
Frederick	0.11	4.13	0.09	1.83	1.29	0.01	6.59	4.27	3.41	1.11	0.74	6.41	29.99
Geray	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.45	.....
Goodwell	T.	1.77	T.	0.70	3.12	0.09	3.65	2.59	0.28	1.65	0.50	1.18	15.53
Guthrie	0.18	2.38	0.27	2.20	0.97	1.80	6.34	3.50	2.25	2.58	0.60	5.05	28.12
Guymon	0.17	1.44	0.00	0.58	4.48	T.	8.09	4.17	.....	3.90	.....	1.58	.....
Harrington	0.00	5.14	0.00	1.41	4.65	0.00	6.73	1.24	1.70	0.89	0.53	3.35	25.64
Hartshorne	0.15	3.92	0.26	4.10	2.82	0.42	6.59	3.74	1.56	3.05	1.79	3.00	31.40
Healdton	0.37	8.53	0.73	3.19	2.30	0.49	5.90	10.05	3.25	0.61	0.80	4.55	35.77
Helena	0.16	2.91	T.	1.56	2.93	0.97	8.62	5.83	1.99	0.58	0.76	2.79	29.10
Hennessey	0.22	4.69	T.	2.94	0.95	1.12	7.63	2.57	2.32	2.77	0.85	4.44	30.50
Hobart	0.19	3.03	0.08	1.02	2.71	0.22	8.02	2.32	0.93	2.13	0.58	5.52	26.75
Holdenville	0.33	2.76	1.12	3.32	3.32	1.01	3.79	3.92	2.54	1.23	0.74	3.32	27.40
Hooker	0.04	2.78	T.	0.49	3.81	0.09	3.47	2.74	0.63	2.49	0.59	2.95	20.08
Hurley	0.02	1.83	T.	0.50	3.87	0.60	3.66	2.12	1.23	2.75	0.70	1.52	18.80
Idabel	.....	.....	.....	5.50	0.70	2.05	4.21	3.70	2.40	1.14	2.10	.....	.....
Jefferson	0.31	4.09	0.07	1.99	3.29	1.19	4.55	4.49	2.28	0.69	0.84	2.28	26.07
Kenton	T.	1.31	0.01	0.21	3.95	0.14	2.42	1.08	0.61	2.03	0.10	1.36	13.22
Kingfisher	0.13	4.26	0.20	3.24	2.16	1.18	7.36	3.43	0.90	1.73	0.58	4.28	29.45
McAlester	0.15	2.69	1.26	5.31	2.72	3.23	3.69	5.02	3.74	2.80	2.33	3.89	36.83
McComb	.....	0.90	.....	.....	.....	1.80	4.58	.....	.....	.....	.....	.....	.....
Mangum	0.22	4.61	0.31	1.49	2.80	1.36	6.68	0.42	1.68	2.01	0.48	3.95	26.0
Marlow	0.41	1.95	0.15	1.91	4.27	0.72	5.66	3.19	3.28	0.95	0.23	5.20	27.92
May	.....	.....	.....	.....	.....	.....	5.03	4.44	.....	.....	.....	.....	.....
Meeker	0.20	1.98	0.55	2.00	1.07	1.97	2.87	1.26	3.42	0.66	1.25	3.62	21.45
Muskogee	0.77	2.25	1.38	7.24	1.58	0.73	7.22	7.62	3.53	2.04	1.52	2.91	38.79
Mutual	0.00	4.38	0.00	3.16	3.52	0.27	6.81	3.94	0.91	0.72	0.61	3.13	27.45
Neola	0.16	3.29	0.02	2.55	6.33	0.39	8.00	0.78	1.80	0.95	0.35	5.97	30.59
Newkirk	T.	4.79	0.14	2.62	4.28	1.22	4.85	7.62	2.75	0.97	0.61	3.15	33.00
Norman	.....	.....	.....	.....	.....	1.22	5.03	1.52	2.77	1.84	1.27	4.69	.....
Oakwood	0.06	3.34	0.22	2.54	1.33	0.43	5.15	2.83	1.80	1.16	0.91	4.18	23.95
Okeene	0.10	3.88	0.20	3.69	1.48	2.00	6.49	3.30	0.65	1.08	0.77	3.61	27.25
Oklahoma	0.17	2.05	0.02	2.93	2.65	0.26	3.74	0.94	1.38	1.29	0.54	3.86	19.83
Okmulgee	0.28	.....	.....	7.19	4.88	0.88	4.54	6.71	5.22	1.13	1.07	3.43	.....
Pauls Valley	0.22	2.41	0.27	2.53	3.40	0.11	6.35	4.07	1.00	1.90	0.58	5.16	28.00
Pawhuska	0.17	4.07	0.35	3.17	1.56	1.71	6.69	3.00	2.09	2.08	1.53	4.83	31.25
Perry	0.14	2.67	0.05	5.59	3.46	2.15	6.37	5.78	5.50	1.18	0.56	4.22	37.67
Ravia	0.28	3.11	0.86	4.42	2.67	0.83	1.68	4.47	4.47	2.19	0.80	4.13	29.91
Sac and Fox Agency	0.15	2.33	T.	4.52	1.82	1.60	1.80	4.15	5.39	1.51	1.25	3.72	28.24
Shawnee	0.27	2.26	0.80	2.93	0.85	5.32	3.29	2.97	4.00	1.93	0.80	5.57	30.99
Snyder	0.13	2.81	0.10	0.90	2.13	0.37	4.53	0.68	3.24	1.03	0.65	5.91	22.48
Stillwater	0.20	2.52	0.66	4.33	1.76	3.92	4.41	7.65	3.07	1.47	0.81	3.63	34.43
Tulsa	0.43	2.23	0.97	2.37	1.97	2.44	3.85	7.90	2.70	2.11	1.15	3.47	31.59
Vinita	.....	.....	1.01	1.63	0.44	3.73	8.71	5.56	3.29	2.18	1.95	2.96	.....
Wagoner	0.37	1.81	1.02	5.50	1.46	0.64	7.66	7.16	3.07	3.76	1.50	.....	.....
Waukomis	0.18	4.41	0.06	3.21	2.30	0.96	5.30	4.15	0.68	4.48	0.80	4.20	30.75
Waurika	0.19	1.75	0.23	2.17	0.74	0.38	8.67	3.44	1.47	0.46	0.89	6.25	26.64
Weatherford	0.14	3.75	0.32	1.60	2.46	0.71	7.03	2.13	1.95	2.28	0.67	4.56	27.60
Webbers Falls	0.77	2.96	1.69	6.50	1.26	1.65	6.26	4.60	.....	5.42	2.70	3.30	.....
Whiteagle	T.	3.62	0.14	2.88	.....	.....	5.18	6.11	3.20	0.70	0.66	3.48	.....
Woodward	T.	8.09	0.00	1.10	4.13	0.00	3.54	5.29	0.41	0.82	0.52	2.90	26.80
Oregon.													
Albany	10.68	2.88	0.86	2.70	2.85	0.77	0.16	T.	4.23	1.23	3.35	4.40	34.11
Ana River	1.37	0.34	0.10	0.55	0.52	0.54	0.23	0.00	1.36	0.41	0.21	0.16	5.79
Ashland	4.20	1.83	0.57	1.39	1.71	1.00	0.75	0.00	1.85	0.66	2.06	2.76	18.78
Astoria	10.68	4.36	2.89	3.22	6.88	1.25	0.40	0.72	2.81	3.06	11.91	10.99	59.17
Bay City	12.59	5.68	3.33	4.62	8.16	1.48	0.54	0.47	1.98	3.66	14.29	13.08	69.88
Black Butte	2.65	3.85	1.70	2.40	5.55	1.25	0.10	0.00	3.80	2.35	6.50	6.60	36.75
Burns	1.59	0.50	0.18	0.36	0.75	0.56	0.13	0.00	0.55	0.13	0.72	0.71	6.18
Burns Mill	1.95	1.55	0.42	1.30	1.70	0.64	0.00	0.00	0.77	0.35	1.21	2.00	12.19
Butte Falls	5.24	2.74	0.99	2.34	2.50	1.00	0.85	0.00	2.44	1.88	4.71	3.06	27.73
Cascade Locks	11.36	5.26	2.83	3.54	6.95	0.74	0.02	0.35	5.67	1.49	11.95	9.94	60.10
Cascadia	8.55	5.60	2.54	3.44	5.45	1.29	0.08	T.	7.88	2.31	9.44	7.93	54.51
Cazadero	11.03	4.55	2.03	3.00	5.27	2.40	0.34	0.24	6.50	1.57	5.15	7.01	49.09
Christmas Lake	0.99	0.30	0.37	0.57	0.41	1.30	0.07	T.	1.21	0.84	0.75	0.36	7.17
Cliff	0.68	0.13	0.06	0.37	0.64	1.78	0.42	0.18	1.31	0.51	0.41	0.54	7.03
Condon	0.52	0.98	T.	T.	0.42	1.24	T.	0.03	2.00	1.04	1.02	0.97	8.22
Coquille River Lighthouse	11.80	5.79	2.89	2.67	5.79	0.64	0.00	0.07	2.24	2.82	4.82	6.42	45.95
Corvallis	11.34	2.61	0.75	3.00	4.21	1.05	0.03	0.02	4.27	1.33	4.58	5.27	38.46
Dayville	0.88	0.89	0.12	0.13	0.99	1.42	0.14	T.	0.95	0.60	0.98	0.38	7.48
Deraville	6.26	4.32	1.59	2.66	4.79	1.55	0.14	0.38	3.06	1.26	8.12	5.25	39.38

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oregon—Continued.													
Drain	6.67	3.54	1.05	3.43	3.26	0.82	0.01	0.00	4.29	1.37	5.89	5.95	36.28
Dufur	1.51	0.70	0.20	0.27	1.11	0.26	T.	0.03	4.54	0.61	0.76	1.07	11.06
Echo	0.16	0.89	0.27	0.18	1.54	1.11	T.	0.11	1.05	0.46	0.64	0.45	6.86
Eugene	6.99	2.44	0.71	2.34	3.15	1.12	0.07	0.00	4.91	1.00	3.67	3.81	30.21
Falls City	14.73	4.02	1.52	0.33	5.92	0.66	0.03	0.00	4.86	2.10	7.01	8.53	49.71
Fir Glen	9.77	4.26	1.35	4.07	4.50	0.66	0.00	0.00	3.64	1.53	9.26	9.55	48.59
Florence	12.92	4.99	2.51	2.97	6.34	1.18	0.04	0.16	3.76	2.61	7.28	9.30	54.06
Galice	12.93	2.35	2.52	3.19	2.61	0.11	T.	0.00	2.07	1.31	3.70	7.54	38.33
Gardiner	15.10	6.65	3.47	4.49	6.71	1.04	0.00	0.30	4.17	3.38	7.56	7.44	60.31
Glenora	17.57	11.30	4.25	5.69	12.15	1.28	0.70	0.79	5.30	4.74	20.62	14.14	98.53
Grants Pass	6.63	1.62	0.93	2.63	1.17	0.32	0.00	0.00	1.45	0.61	2.55	3.59	21.50
Headworks	10.81	5.36	2.71	3.17	7.78	2.33	0.40	0.53	7.60	4.73	9.05	11.60	66.07
Heppner	0.71	1.75	0.37	0.26	2.04	1.41	T.	0.22	1.34	0.85	0.93	0.77	10.65
Hood River	4.20	2.50	0.25	0.10	2.61	0.35	0.00	0.00	3.65	0.05	2.25	2.65	18.61
Huntington	0.99	0.60	0.02	0.03	0.31	0.12	0.00	0.00	T.	0.04	0.08	1.14	3.33
Jacksonville	4.45	1.77	0.34	1.72	1.60	0.43	T.	0.00	1.17	0.46	1.85	2.79	16.58
Joseph	0.40	3.05	0.20	1.84	3.89	3.18	0.00	0.65	1.33	1.32	1.86	1.70	19.42
Klamath Agency	2.25	0.80	0.35	1.30	0.13	0.75	0.50	0.00	0.70	1.19	3.20	2.90	14.07
Klamath Falls	2.94	0.55	0.41	1.10	0.77	0.24	T.	0.00	0.53	1.17	0.87	1.15	9.73
La Grande	0.65	1.23	0.45	0.31	3.86	1.53	0.00	0.33	0.76	1.86	3.00	1.54	15.52
Lily Glen	5.51	2.90	2.31	1.03	4.00	2.44	0.04	0.00	2.07	2.35	3.55	3.47	30.27
McKenzie Bridge	5.67	4.51	2.60	3.23	5.91	0.89	0.09	0.05	6.34	2.82	13.19	7.19	52.49
McMinnville	10.65	3.15	0.81	2.72	2.85	0.88	0.08	0.15	3.92	1.26	3.77	5.35	35.59
Marshfield	15.56	5.55	2.90	4.01	5.36	1.21	0.00	0.23	3.01	2.76	7.11	9.51	57.21
Miller Prairie	1.39	3.35	0.45	0.30	3.20	1.61	0.00	0.00	1.80	0.80	1.95	0.82	15.67
Miramonte Farm	10.30	2.84	0.87	2.02	3.97	1.39	0.08	0.09	7.97	1.28	3.32	4.37	38.50
Monroe	12.28	4.98	1.20	3.63	3.63	0.57	0.05	0.02	3.88	1.64	5.60	6.05	43.53
Mountain Home	6.97	0.10	1.70	3.29	5.60	1.15	0.17	0.34	5.00	2.23	10.46	7.35	43.36
Mount Angel	10.44	3.03	1.29	2.32	4.75	1.50	0.16	0.06	7.12	1.38	3.24	5.84	41.13
Musick	17.60	9.86	2.73	9.42	11.21	4.13	0.00	0.10	11.24	4.98	18.42	15.61	105.30
Newport	9.75	3.54	1.71	1.86	5.57	1.24	0.06	0.37	2.68	1.98	6.60	8.47	43.83
Ochoco	1.43	0.97	0.15	0.15	1.56	1.12	T.	0.12	2.45	1.57	2.13	1.44	13.09
Ochoco Creek	1.12	0.45	0.13	0.14	1.40	1.65	0.00	0.12	2.45	1.71	1.52	1.04	11.73
Persist	7.42	3.26	1.32	2.40	3.86	0.52	0.17	0.00	3.99	1.14	4.43	4.76	33.27
Pilot Rock	0.83	1.56	0.26	0.50	1.68	1.61	0.17	0.09	0.97	0.91	1.38	0.94	10.90
Portland	8.53	3.34	0.63	2.11	3.95	0.87	0.01	0.28	5.19	0.99	2.64	4.74	33.28
Port Orford	9.43	7.20	3.90	4.37	7.15	1.17	0.00	0.00	1.54	3.82	8.51	9.32	56.41
Post	0.85	0.46	0.32	0.28	1.00	1.61	0.00	0.09	1.42	1.36	1.13	0.92	9.44
Prineville	1.02	0.22	0.19	0.20	1.16	1.05	0.00	0.00	0.68	1.48	0.61	0.49	7.10
Prospect	4.40	3.90	1.10	2.27	4.45	0.52	0.00	0.00	3.83	1.58	8.98	5.44	36.47
Reston	8.52	3.47	1.69	3.72	3.26	0.51	T.	0.00	3.42	1.31	6.82	8.46	41.18
Richland	1.11	0.37	0.17	0.46	1.34	1.01	0.00	T.	0.16	1.06	0.99	1.01	7.68
Roseburg	4.81	2.61	0.76	2.43	1.75	0.59	0.03	0.00	2.84	1.21	3.18	4.37	24.58
Salem	8.43	1.72	0.59	1.83	2.78	0.85	0.06	T.	4.56	0.81	1.97	3.95	27.55
Siskiyou	8.80	2.58	1.21	2.27	2.26	1.29	0.17	0.00	1.56	1.07	3.59	4.27	29.07
Stafford	11.10	3.17	1.01	2.26	5.41	1.61	0.10	0.15	9.50	1.26	3.90	4.75	44.22
Summit	13.42	4.46	2.29	3.83	5.42	0.81	0.09	0.16	3.91	1.79	7.45	8.37	52.00
Susanville	1.37	1.73	0.30	0.35	2.31	2.07	0.03	0.22	0.86	3.26	3.16	2.18	17.84
The Dalles	1.23	0.56	0.22	0.21	0.80	0.30	0.00	0.00	2.92	0.30	1.19	1.23	8.99
Toledo	10.60	5.10	2.60	4.14	2.23	1.60	0.00	0.15	3.25	2.00	10.10	8.55	50.32
Trask	15.02	9.46	4.96	7.28	14.35	1.29	0.70	0.99	4.50	4.86	22.37	13.53	99.31
Umatilla	0.69	0.60	0.24	0.15	1.53	1.11	T.	0.18	1.50	0.22	0.41	0.35	6.98
Vale	2.20	0.48	0.51	0.24	1.15	1.61	0.03	0.04	0.07	1.02	0.80	0.32	8.47
Wallowa	0.88	0.75	0.24	0.32	3.17	1.77	T.	0.22	1.07	2.05	1.77	0.85	13.09
Warmspring	0.65	0.35	0.47	0.34	0.41	0.63	T.	0.30	1.50	1.05	0.70	0.47	6.87
Wasco	0.99	0.46	0.30	0.20	1.34	0.74	0.00	0.03	3.43	1.05	0.76	0.83	10.13
Weston	1.25	2.45	0.71	0.57	5.05	1.23	0.05	T.	1.69	1.55	1.79	1.71	18.05
Yonna	2.51	0.50	0.57	1.13	0.67	0.76	0.13	0.00	1.49	1.09	1.17	0.75	10.77
Pennsylvania.													
Aleppo	5.95	1.65	1.75	3.59	1.83	4.69	1.37	6.14	6.02	5.10	2.88	3.10	44.07
Altoona	1.89	1.05	1.92	2.83	2.46	3.41	2.02	4.62	5.20	3.22	1.43	1.66	31.71
Ansonia	1.85	2.10	1.47	2.64	0.95	4.91	2.73	6.52	4.18	2.68	1.63	1.78	33.44
Austin	1.40	1.90	2.05	4.05	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baldwin	3.19	3.09	2.43	3.25	1.69	3.76	1.84	7.76	7.77	8.79	3.45	3.32	50.34
Beaver Dam	4.03	2.44	2.10	5.09	0.60	3.97	2.34	5.16	6.86	4.96	2.49	3.61	43.65
Bellefonte	2.83	2.23	3.50	4.07	3.36	6.76	2.06	7.55	6.09	6.35	2.67	3.27	50.74
Bethlehem	2.93	1.66	2.93	3.42	1.55	7.77	2.88	6.77	1.85	7.23	2.93	2.81	44.73
Bradford	3.88	3.05	2.79	3.17	2.02	3.78	.....	.....	.....	.....	.....	.....	.....
Brookville	.....	2.92	2.06	1.66	0.77	3.59	1.34	11.78	7.36	4.78	2.19	1.80	.....
Browers Lock	2.90	1.99	2.94	3.57	2.87	6.48	2.61	10.55	3.04	3.22	5.25	3.68	49.10
California	.....	.....	1.43	3.72	1.20	.....	.....	.....	.....	.....	2.30	3.53	.....
Catawissa	3.44	1.97	2.53	3.62	1.22	3.80	5.85	8.43	2.71	4.80	2.20	2.90	43.47
Center Hall	3.20	1.50	2.71	2.06	6.10	5.59	2.00	8.19	5.70	6.47	1.63	1.15	46.30
Clarion	4.32	3.01	2.87	4.12	0.89	3.64	2.57	9.46	7.44	6.69	3.18	2.93	51.12
Claysville	4.23	2.09	2.70	4.51	2.40	3.41	1.69	7.88	4.84	6.68	2.57	3.64	46.64
Clearfield	4.00	2.75	2.90	3.97	1.34	3.34	1.47	6.60	5.93	4.59	.....	.....	.....
Coatesville	3.50	2.24	3.40	3.83	1.23	5.70	4.17	9.05	3.29	4.37	4.36	3.95	49.09
Confluence	5.16	2.38	2.34	4.73	1.17	9.18	1.98	8.00	6.91	5.72	2.08	4.20	53.85
Davis Island Dam	3.45	1.94	2.02	5.09	1.11	3.47	2.46	6.56	10.15	5.42	1.95	4.07	47.96
Derry Station	4.44	2.13	2.65	4.48	1.30	5.07	2.99	4.21	6.69	4.87	2.61	3.96	45.40
Doylestown	4.31	2.46	3.32	4.31	1.98	5.11	3.59	14.00	3.04	6.47	3.57	4.37	56.53
Drifton	4.33	2.44	2.69	4.23	3.55	6.95	4.71	7.87	4.07	5.50	4.56	4.40	55.30
Emporium	4.32	3.27	2.94	3.41	1.95	4.15	1.64	7.45	6.14	3.64	2.66	3.34	44.91
Ephrata	2.99	2.22	2.40	3.50	1.01	4.46	5.02	8.82	3.97	3.90	3.37	3.18	44.84
Erie	4.05	2.11	1.66	2.47	2.49	2.40	2.14	5.76	4.14	3.47	3.14	3.41	37.24
Everett	3.96	0.85	1.99	4.42	0.65	5.84	1.70	.....	6.13	3.22	1.70	4.37	.....
Forks of Neshaminy	3.15	1.92	2.34	3.80	2.50	4.21	2.14	10.82	2.27	4.78	5.67	3.70	47.30
Franklin	3.87	2.95	3.24	4.56	1.32	4.96	1.58	6.76	6.66	5.15	3.65	4.40	49.10
Freeport	4.71	2.45	2.34	4.93	0.61	4.50	1.41	5.30	8.71	6.02	2.91	4.67	48.56
George School	3.33	2.15	2.81	3.67	1.17	4.90	2.85	11.84	2.61	4.27	5.68	2.98	48.16
Gettysburg	3.91	2.12	3.11	3.22	3.59	4.41	2.17	12.99	3.49	3.45	2.77	3.68	48.82
Girardville	4.41	2.33	3.31	4.37	3.38	3.36	5.07	10.12	3.69	7.23	4.11	3.72	55.08
Gordon	3.67	2.26	3.21	4.58	2.90	3.71	5.86	10.33	4.25	7.42	4.54	3.30	56.03
Greensboro	5.64	2.91	2.13	3.94	0.96	3.90	1.17	7.08	6.36	4.56	2.30	3.68	44.63

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Pennsylvania—Continued.													
Greensburg	4.04	2.10	1.95	4.73	2.19	2.72	2.96	4.12	7.91	4.27	2.56	4.28	43.83
Greenville	3.95	2.17	2.41	3.49	2.00	5.98	2.25	8.02	7.41	4.89	3.11	4.49	50.17
Grove City	4.17	2.34	2.86	4.90	1.93	3.81	1.61	6.27	6.43	6.55	3.20	3.86	47.93
Hamburg	3.36	0.86	3.53	4.25	6.81	10.11	7.28	12.32	1.86	9.23	5.42	2.58	67.61
Hanover	3.85	2.33	2.32	3.22	2.06	3.88	3.52	12.58	2.67	2.59	3.00	3.52	45.54
Harrisburg	2.36	1.94	2.93	3.03	2.26	2.23	1.81	9.73	3.68	2.80	2.38	2.75	37.90
Herrs Island Dam	3.33	1.94	2.14	5.27	0.25	3.55	2.42	6.45	6.81	4.94	2.09	3.82	43.01
Huntingdon	3.69	2.43	2.60	4.10	2.18	3.23	1.72	7.14	6.64	3.90	1.96	3.13	42.72
Hyndman	3.90	2.10	2.43	3.58	0.93	6.41	0.91	9.74	6.10	3.88	1.82	3.90	45.70
Indiana	5.52	2.51	2.80	4.99	0.55	4.57	1.85	4.03	8.41	6.67	3.25	5.10	50.25
Irwin	3.67	1.98	1.73	4.41	2.05	4.04	2.76	5.97	6.49	4.42	2.77	4.01	44.30
Johnstown	4.70	2.92	4.44	4.85	4.22	4.91	1.43	7.02	6.35	4.75	3.12	4.13	52.84
Kennett Square	3.30	0.95	3.26	3.43	1.92	5.16	5.82	15.14	2.76	4.37	5.34	1.64	53.09
Lancaster	5.00	.....	.....	.....	.....	.....	.....	.....	.....	3.35	3.15	3.24	.....
Lansdale	3.14	2.36	2.80	3.87	2.39	4.27	2.65	11.23	2.95	4.77	4.14	3.46	48.03
Lawrenceville	1.25	2.20	1.15	.....	2.70	2.87	3.40	.....	3.50	2.70	.....	0.75	.....
Lebanon	3.00	2.09	3.17	3.28	1.63	4.43	3.83	7.12	3.53	3.79	3.23	.....	.....
Le Roy	2.11	1.95	2.55	2.43	2.06	2.13	3.98	3.77	4.00	3.39	1.55	2.08	32.00
Lewisburg	3.45	2.39	2.05	3.06	2.13	3.28	2.69	6.97	3.97	5.57	2.08	4.00	41.64
Lloyd	.....	1.58	1.34	1.14	1.52	3.25	1.55	2.60	2.69	2.84	2.70	1.35	.....
Lock Haven	3.03	2.42	1.87	3.39	1.52	5.25	2.05	7.59	5.83	4.49	1.79	3.40	42.63
Lock No. 4	3.67	1.78	1.82	4.30	1.93	4.70	2.16	7.05	6.31	4.12	2.61	3.23	43.68
Lycippus	5.54	2.34	2.76	4.77	1.46	4.81	3.15	5.80	9.73	4.19	2.89	4.72	52.16
Marion	3.41	2.07	2.02	2.32	1.08	5.03	3.01	8.91	3.51	2.78	2.96	3.63	40.73
Mauch Chunk	3.45	2.41	3.16	4.10	1.85	6.81	6.08	9.36	4.20	5.20	4.08	3.64	54.34
Mifflintown	3.43	1.61	1.83	4.53	1.83	3.96	2.27	8.98	5.61	4.41	1.87	2.86	43.19
Milford	1.95	2.53	3.15	3.77	1.51	6.77	4.17	5.86	3.42	7.25	2.18	3.38	45.94
Montrose	1.70	2.65	1.60	2.60	2.60	3.55	3.52	4.08	4.84	4.48	1.85	3.08	36.55
Mountain House	4.33	2.00	2.57	4.15	1.19	4.24	1.97	7.39	6.10	3.00	1.79	4.26	42.99
Mount Gretna	2.86	2.13	3.59	3.51	1.21	3.40	2.06	10.23	3.94	3.73	2.98	3.72	43.36
Muncy Valley	2.44	.....	2.36	3.86	2.45	5.46	1.56	7.64	.....	.....	.....	.....	.....
New Germantown	2.86	1.61	.....	.....	1.60	3.75	4.01	6.48	5.49	3.77	2.20	3.34	.....
Ottsville	3.17	2.13	3.01	3.43	2.66	4.39	6.62	7.16	3.06	5.63	4.55	3.75	49.56
Parkers Landing	3.76	3.42	3.37	4.12	0.38	4.45	1.84	8.57	7.68	6.78	3.97	4.88	53.22
Philadelphia (Weather Bureau)	3.22	2.69	2.72	3.68	1.68	5.10	4.19	12.10	2.52	4.20	5.58	3.67	51.35
Philadelphia (Centennial Avenue)	3.48	3.29	2.76	4.22	1.26	5.76	3.88	12.71	2.65	4.76	6.10	3.79	54.66
Pittsburgh	3.36	1.98	1.90	5.42	0.42	2.63	2.17	6.30	6.38	4.94	2.02	3.79	41.29
Pocono Lake	2.90	1.50	2.03	3.91	2.59	5.69	7.41	6.51	3.25	4.26	2.48	2.08	44.61
Point Pleasant	3.50	2.45	3.13	3.93	2.55	3.15	4.45	9.63	2.60	5.71	4.61	3.71	49.52
Pottsville	3.28	1.99	3.41	4.43	2.95	2.92	4.84	8.60	4.09	7.50	4.06	3.69	51.76
Reading	3.57	2.47	3.44	3.77	3.54	5.64	4.27	7.58	2.55	3.70	3.58	3.10	47.21
Renovo	2.56	1.46	0.88	2.52	1.00	4.58	1.74	6.04	4.56	3.48	1.39	3.08	33.29
Saegerstown	3.06	3.04	2.80	3.11	2.88	3.39	1.41	6.04	7.08	5.01	3.24	4.20	45.26
Saltsburg	4.02	2.86	2.27	4.96	0.74	4.79	2.25	4.22	7.46	5.38	3.02	4.44	46.41
Scranton	2.67	1.90	1.99	2.85	2.26	4.90	2.88	6.84	2.90	4.00	1.86	2.36	37.41
Seisholtzville	3.25	2.35	3.68	4.17	2.41	5.57	5.24	6.69	2.54	6.23	4.22	3.35	49.70
Selinsgrove	2.64	2.01	1.96	3.42	2.59	3.47	3.23	8.98	4.96	6.63	2.11	3.27	45.27
Shawmont	3.19	2.58	3.13	4.09	1.69	4.92	2.62	12.85	2.64	4.23	5.18	3.52	50.64
Shippensburg	.....	.....	.....	.....	.....	2.68	3.87	7.55	6.18	3.37	.....	3.50	.....
Skidmore	2.50	.....	.....	3.80	1.00	5.60	0.90	3.40	5.80	6.45	.....	2.57	.....
Smiths Corners	3.57	2.05	3.33	4.05	2.57	4.17	5.90	8.79	2.51	5.98	4.72	3.70	51.34
Somerset	6.38	3.48	4.75	5.85	3.86	7.21	5.19	6.71	10.18	4.77	2.92	2.69	63.99
Springdale	4.11	2.34	1.90	5.13	2.34	5.11	1.18	5.80	9.52	5.63	2.80	4.21	50.07
Spring Mount	2.81	2.02	2.63	3.61	2.57	3.64	3.23	7.76	2.07	4.66	4.07	3.44	42.51
State College	3.26	1.63	3.64	3.51	2.42	5.04	1.65	8.27	5.41	6.14	2.28	3.14	46.39
Stroudsburg	2.82	2.55	3.17	3.39	1.65	7.37	5.43	6.95	2.46	6.28	3.72	3.28	49.07
Towanda	2.29	2.12	1.77	2.56	2.30	3.12	2.47	3.50	3.37	3.50	0.99	1.76	29.75
Uniontown	5.46	2.77	2.36	3.89	1.81	7.16	2.73	8.10	7.00	6.06	3.12	4.05	54.51
Warren	3.82	3.76	3.36	3.92	2.23	4.56	3.20	7.58	6.27	4.85	3.62	2.96	50.13
Weikert	3.03	2.68	2.93	4.00	3.44	2.92	2.05	8.09	6.11	6.23	2.37	3.21	47.06
Wellsboro	1.73	2.21	1.98	2.27	1.83	2.65	1.29	5.57	3.88	2.85	1.92	1.90	30.08
West Chester	3.79	2.86	3.05	4.23	1.17	5.51	3.40	12.35	3.91	4.23	4.84	3.75	52.89
West Newton	4.64	2.78	1.97	4.35	1.55	3.14	2.20	5.71	7.61	4.52	2.90	3.40	44.77
Wilkes-Barre	2.47	1.37	1.83	2.37	0.91	6.18	2.13	6.83	2.94	3.88	2.12	1.98	35.01
Williamsport	2.81	1.67	1.84	3.84	1.28	2.81	3.71	6.07	3.49	3.82	1.82	2.53	35.69
Porto Rico.													
Aibonito	4.38	3.00	4.55	9.25	13.20	1.10	4.30	2.60	3.40	14.70	7.40	12.35	80.23
Alto de la Bandera	2.28	3.81	3.77	7.15	13.57	4.29	13.60	14.24	10.14	16.75	7.22	7.58	104.40
Añasco	0.42	.....	1.27	7.37	7.46	.....	.....	8.74	8.84	4.02	10.87	.....	.....
Arecibo	12.20	1.85	1.65	5.75	5.25	0.30	3.55	2.55	3.30	3.95	1.20	7.65	49.20
Bacupey	9.60	3.35	3.73	8.51	8.53	0.82	7.56	3.99	8.20	14.39	3.30	7.86	79.84
Bayamón	8.96	3.54	1.31	6.88	9.75	4.34	13.15	7.07	4.76	4.07	2.36	10.61	76.80
Cabo Rojo	4.75	1.61	1.58	7.98	6.27	5.08	6.18	4.22	5.70	8.97	7.27	4.46	64.07
Caguas	5.37	4.21	1.33	3.50	15.99	2.19	6.30	.....	3.63	6.93	2.88	7.04	.....
Canóvanas	11.24	6.53	2.13	9.15	12.31	3.65	9.18	5.96	5.37	5.17	5.53	13.00	89.22
Carite Dam	.....	.....	.....	.....	.....	4.52	7.13	6.64	8.33	11.15	6.28	12.84	.....
Cayey	.....	3.68	2.05	6.35	10.00	2.50	2.57	3.04	4.83	5.15	3.66	9.68	.....
Central Aguirre	0.73	3.63	0.61	2.54	8.85	2.95	6.94	2.95	3.55	5.67	2.20	9.53	50.15
Cidra	35.64	13.26	2.24	18.11	23.85	.....	.....	.....	.....	.....	.....	9.95	.....
Coloso	4.13	1.15	0.91	7.50	9.50	7.97	11.75	.....	.....	11.05	9.41	5.10	.....
Comerio Falls	10.75	4.44	5.00	10.98	12.62	1.23	8.71	4.09	6.77	4.62	3.70	11.28	84.19
Corozal	11.91	4.01	2.91	11.18	10.31	1.60	9.55	5.62	6.78	4.80	6.37	9.48	84.52
Culebra	3.56	3.77	1.51	2.34	9.45	2.22	.....	.....	.....	.....	.....	.....	.....
Dorado	10.17	3.91	0.60	11.73	9.23	1.88	5.94	5.18	5.42	.....	3.38	8.74	.....
Fajardo	4.34	5.52	0.93	3.52	8.85	1.94	6.18	5.27	5.92	5.89	3.05	14.54	65.95
Guánica Centrale	1.80	1.21	2.26	3.56	6.17	0.47	2.63	1.82	2.51	3.49	1.32	1.33	28.77
Guayama (Irri. Office)	0.88	3.35	0.68	2.59	8.95	3.48	7.32	3.76	4.96	8.12	6.85	7.53	58.47
Guayama (Josefa)	1.18	4.30	0.81	1.90	9.07	2.06	6.76	2.92	3.39	.....	4.79	9.70	.....
Hacienda Destino	0.36	2.21	0.28	3.26	9.32	1.47	3.23	1.06	2.07	4.18	5.08	9.88	42.40
Hacienda Oriente	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.19	.....
Hacienda Potala	1.63	0.61	0.20	3.15	7.72	0.44	3.55	1.33	3.62	5.08	1.64	5.83	34.80
Humacao	3.64	4.11	1.15	5.90	13.56	2.50	7.52	5.79	5.98	10.43	10.98	17.08	88.62
Isabela	11.53	3.75	1.03	3.28	6.55	4.57	3.35	3.15	3.50	5.80	6.40	8.90	61.81
Isolina	12.07	5.44	7.17	13.31	9.13	2.04	7.98	3.41	9.67	19.67	7.56	11.86	109.31

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Porto Rico—Continued.													
Jayuya	7.26	4.21	4.97	7.62	10.25	5.02	4.39	3.16	8.79	17.33	3.02	9.31	85.33
Juana Diaz			1.05			0.32	2.33	5.69	5.86	13.62	2.49	4.14	
La Carmelita (A)	1.59	4.02	1.98										
La Carmelita (B)	2.40	5.00	3.80										
Lares	5.82	3.75	2.85	10.00	14.11	2.83	7.54	6.62	6.16	28.41	3.86	6.91	98.86
Los Marias	2.28												
Manati	14.70	3.79	2.62	5.13	5.21	3.51	6.96	2.17	3.61	6.28	3.17	9.77	66.92
Maricao	1.15	2.99	2.05	7.14	10.28	5.18	7.94	14.92	10.92	17.05	12.27	8.10	99.99
Maunabo	7.77	3.78	1.16	5.55		2.50	8.05	5.33	7.06	9.12	6.29	12.77	
Mayaguez	1.37	3.63	0.44	5.94	4.10	7.62	11.92	13.18	16.60	9.16	11.73	4.06	89.75
Naguabo	7.53	7.55	1.65	6.23	12.80	3.33	9.66	3.29	6.19	7.76	4.94	13.73	84.66
Patillas Dam						3.99	7.51	6.00	5.36	7.29	6.31	8.28	
Peñuelas (Rucio)		3.40	2.73	10.05	11.51	1.64	5.33	5.01	10.33	14.79	5.44	8.33	
Ponce	2.40	1.11	1.90	4.31	5.90	0.78	4.00	1.89	5.59	6.14	1.16	6.56	41.74
Rio Blanco	7.94	4.73	2.69	8.47	11.46	5.01	11.71	4.76	8.33	15.18	8.42	15.52	104.22
Rio Grande (El Verde)							11.78	8.19	8.54	6.96	6.23	20.05	
Rio Piedras (Exp. Sta.)		3.55	1.30	10.40	9.33	3.85	8.73	4.58	5.17	7.80	4.80		
Rio Piedras (Univ.)	7.97	3.49		11.49	10.19	2.60	8.59	6.11	3.00	7.81	6.90	14.02	
Sabana Grande	2.42	1.95	2.05	4.06	7.11	1.65	3.75	5.41	8.11	7.97	5.39	6.45	56.32
San Germán	3.61	4.67	2.38	9.27	16.30	1.27	6.52	3.57	2.83	10.19	5.26	6.51	72.39
San Juan	6.92	2.22	2.20	5.13	10.49	2.80	5.19	2.96	5.83	3.30	3.49	10.86	61.39
San Salvador	5.02	2.73	3.54	8.36	13.89	3.02	4.50	4.37	9.41	16.12	4.54	8.97	84.47
San Sebastián	5.53	1.16	1.74	9.76	15.01	6.11	8.02	9.52	8.93	28.21		4.34	
Santa Isabel	0.43	1.06	0.06	2.44	6.26	1.18	2.54	0.82	1.64	3.38	4.87	7.23	31.91
Toro Negro Dam						3.23	8.18	3.91	8.60	21.63	6.25	18.14	
Vieques	2.41	4.83	0.80	2.93	6.06	0.83	3.10	1.27	4.22	3.14	2.17	10.17	41.93
Yabucoa	4.08	4.29	0.49	5.35	10.82	4.25	10.08	5.75	7.44	14.51	7.13	14.68	88.87
Rhode Island.													
Block Island	3.19	2.01	3.16	4.50	1.08	1.57	2.95	9.79	2.03	3.95	6.06	2.98	43.26
Bristol	3.08	2.33	2.79	3.73	1.24	1.79	4.36	3.96	1.46	2.66	6.85	3.65	37.90
Kingston	4.88	2.36	4.04	4.96	1.97	3.26	3.71	6.24	2.31	5.01	8.99	4.80	52.53
Narragansett Pier	4.09	2.32	3.87	4.29	1.68	2.41	3.63	7.43	3.26	3.44	7.92	3.69	48.03
Providence	2.71	2.38	3.16	3.14	2.04	1.86	3.23	4.86	2.01	2.79	5.61	3.01	36.80
South Carolina.													
Aiken	1.18	1.16	1.94	1.86	0.75	1.36	1.80	3.32	2.09	12.87	2.40	7.29	38.02
Allendale	0.91	1.45	2.47	2.22	0.20	1.94	6.28	5.59	4.16	3.67		3.60	
Anderson	1.82	2.93	2.74	5.13	2.41	0.52	4.96	1.76	2.44	3.97	4.14	6.42	39.24
Batesburg	2.53	1.09	2.52	3.22	0.58	4.18	3.41	4.20	4.43	7.37	4.10	7.14	44.77
Beaufort	0.56	1.10	1.92		T.	7.43	6.58	4.27	4.47		2.11	4.91	
Blackville	0.92	1.34	1.94	3.78	0.28	2.32	0.91	7.95	6.52	5.57	2.95	3.83	38.31
Blairs	1.75	2.30	1.66		0.54	1.33	3.05	4.58	2.75	5.10	3.31	5.01	
Bowman	0.71	0.64	1.83	2.44	1.43	4.04	2.54	5.84	5.99	4.47	4.17	4.55	38.65
Calhoun Falls	1.54	3.20	1.92	4.79	0.84	1.32	4.49	2.04	2.08	4.86	3.89	6.23	37.20
Camden	1.10	0.98	1.72	2.16	0.06	2.94	3.60	11.30	2.26	6.84	3.02	6.36	42.34
Catawba	3.51	2.34	2.97	2.33	0.77	2.61	2.51	4.73	2.86	5.89	4.24	5.94	40.70
Chappells	2.90	1.12	1.65	4.14	0.06	1.65	1.80	3.35	4.42	5.90	2.46	7.38	36.53
Charleston	0.56	1.11	1.27	1.74	0.13	2.84	2.23	7.52	5.24	3.92	1.49	3.63	31.68
Cheraw	1.37	0.75	3.05	1.82	0.25	3.90	0.83	9.12	4.53	4.45	3.48	4.95	38.50
Clemson College	3.53	2.97	4.41	6.43	1.78	0.95	5.63	5.16	3.37	7.34	4.77	8.59	54.93
Columbia	1.52	0.94	1.15	1.84	0.70	6.41	2.30	6.03	6.10	6.63	3.05	6.09	42.76
Conway	1.44	0.79	3.09	1.19	0.48	3.84	5.48	9.63	5.70	3.20	2.66	2.72	40.22
Darlington	1.37				0.34		2.30	4.57	2.75	7.71	3.63	3.27	
Dillon	1.27	0.63	1.82	1.92	0.29	10.89	4.07	5.92	4.11	6.16	1.79	2.65	41.52
Effingham	1.45	0.95	3.05	1.75	0.30	6.67	4.92	5.65	1.80	6.00	3.52	1.90	37.96
Ferguson	1.32	1.16	1.29	2.25	0.15	1.62	5.90	5.08	4.10	4.08	3.58	2.36	32.89
Florence	0.89	1.12	1.02	2.72	0.20	7.39	1.55	8.82	4.08	8.06	3.52	4.28	43.05
Georgetown	1.25	1.10	2.01	2.51	T.	2.00	3.71	13.01	3.60	4.08	2.40	2.53	38.20
Greenville	3.29	3.08	3.62	5.07		2.90	6.56	5.71	2.74	5.71	4.41	7.34	
Greenwood	1.31	2.18	1.60	4.14	1.74	3.26	5.45	4.17	0.74	5.92	3.13	6.79	40.43
Heath Springs	2.13	1.20	2.54	3.59	0.54	3.68	1.04	9.22	2.32	5.25	3.47	6.09	41.07
Jacksonboro	0.90	1.29	1.93	2.50	0.00	4.44	6.95	5.75	7.16	4.02	2.60		
Kingstree	1.02	0.75	1.55	1.93	0.78	2.88	4.11	8.60	2.78	3.69	3.56	2.21	33.86
Liberty	3.31	4.92	3.56	6.71	2.59	0.50	5.66	4.61	2.53	14.17	4.76	8.50	61.82
Little Mountain	2.22	1.24	1.55	1.92	0.29	2.17	2.96	5.52	3.06	7.67	2.93	5.20	36.73
Meriwether	1.56	1.47	2.48	2.50	0.18	1.74	3.84	3.59	1.85	6.96	2.75	5.30	33.91
Newberry	2.15	2.05	2.07	3.14	0.07	2.21	2.27	6.01	3.83	6.35	4.14	6.54	40.83
Pelzer	1.92	2.75	2.90	5.20	2.04	0.98	2.88	2.98	1.66	7.44	4.40	6.32	41.47
Penopolis	1.17	1.36	2.03	2.18		2.71	7.10	9.36	9.44	3.26	3.30	3.75	
St. George	0.69	1.60	2.30	2.67	0.00	6.36	4.48	8.02	3.80	5.56	2.84	2.21	40.53
St. Matthews	0.84	1.17	1.73	1.96	0.19	3.41	2.25	4.16	4.58	10.64	3.37	4.22	38.52
Saluda		1.71	1.42	1.89	0.25	2.23	4.18	4.34	1.94	8.60	3.29	5.95	
Santuc	2.12	2.62	3.10	2.36	0.37	1.54	3.71	4.96	3.83	4.93	4.03	6.66	40.23
Smith Mills	2.04	0.90	3.50	1.43	0.51	4.46	3.67	8.18	1.16	2.70	3.28	2.94	34.77
Society Hill	1.01	0.87	2.32	1.92	0.62	5.74	2.45	8.96	2.14	5.42	3.46	4.21	39.12
Spartanburg	2.01	2.32	3.41	5.09	0.87	2.06	1.91	2.81	2.48	4.64	4.28	5.20	37.08
Summerville	1.09	1.64	3.02	2.73	0.25	4.72	3.54	8.51	4.21	3.63	2.41	3.47	39.22
Trenton	1.72	1.41	2.06	2.43	0.58	2.63	3.43	4.99	5.71	8.10	3.27	7.11	43.44
Walterboro	1.42	1.52	2.45	3.48	0.18	5.29	7.36	6.77	3.60	6.10	2.60	3.70	44.47
Winnsboro	0.68	0.58	1.95	1.45	1.53	1.10	2.18	5.55	2.90	6.83	1.40	7.04	33.19
Winthrop College	1.94	2.42	2.71	2.85	2.02	2.66	3.91	5.17	3.73	3.94	3.20	5.50	40.05
Yemassee	1.72	0.95	2.15	2.31	T.	6.13	5.18	7.02	7.42	3.65	3.90	2.96	43.39
South Dakota.													
Aberdeen	0.65	1.37	0.98	2.17	4.23	1.03	5.33	5.32	2.79	2.17	1.72	1.00	28.76
Academy	0.15	0.80	0.23	3.41	2.35	2.49	3.61	2.67	2.81	4.11	0.34	0.60	23.57
Alexandria	0.10	0.40	0.70	1.96	1.15	2.31	2.25	2.50	2.41	4.65			
Ardmore	0.40	0.40	0.60			1.63	1.07	3.32	0.63			0.65	
Armour			0.60	2.50	3.53	2.70	2.06	2.43	1.50	5.80		0.55	
Bellefourche	0.20	0.05	0.35	0.42	0.68	0.57	0.42	1.99	0.78	0.33	1.14	1.11	8.04
Brookings	0.61	0.53	0.53	1.62	1.90	3.78	3.32	3.81	3.08	5.07	0.24	0.42	24.91

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Dakota—Continued.													
Bryant											0.23	0.31	
Camp Crook	0.12	0.07	0.23	0.24	0.57	1.06	0.87	2.88	1.10	0.34	0.43	0.89	8.90
Canton	0.30	0.72	0.11	1.72	1.90	1.66			1.93	4.36	T.	0.55	
Cascade Springs	0.43	0.35	0.28	1.76	1.91	2.07	2.01	4.69	1.42	2.11	0.33	0.82	18.18
Castlewood	0.19	0.11	0.53	0.86	1.81	2.86	2.67	3.26	2.36	3.04	0.34	0.15	18.18
Centerville	0.09	1.27	0.17	3.65	1.11	2.76	2.78	4.09	1.72	5.12	0.25	0.96	23.97
Chamberlain			0.15	2.10	2.35	1.06	2.09			2.78			
Clark	0.94	0.75	0.89	1.35	2.68	1.72	2.35	1.76	2.18	2.73	1.54	0.90	19.79
Cottonwood	0.05	0.60	T.	0.85	1.10	0.64	0.59	2.41	3.59	1.15	0.72	0.61	12.31
Crow Creek	0.17	0.96	0.15										
Custer							0.42	3.12	0.85	1.25	1.40	1.30	
Daviston	0.16	0.45	0.10	0.58	0.40	0.60	0.95	4.19	1.97	1.47	1.99	0.76	13.62
Deadwood	0.50	1.85	2.60	3.05	1.30	2.87	1.40	3.55	1.10	3.80	3.82	2.15	27.99
Deerfield	0.92	0.60	0.52	1.06	0.42	1.03	0.94	2.55	0.55	1.71	1.40	0.43	12.13
De Smet	0.60	0.70	0.42	0.80	2.70	1.30	2.87	2.25	3.88	2.83		0.62	
Dowling	0.05	0.35	0.35	0.98	0.75	0.71	1.65	1.80	2.45	0.75	1.37	0.50	11.71
Dumont	1.80	3.20	2.32	2.02	1.12	1.88	1.06	3.63	0.45	2.65	3.88	3.82	27.83
Eagle Butte											0.67	0.52	
Eales	0.37	0.71	0.37	1.12	1.08	1.59	4.49	2.18	1.64	0.72	1.10	0.72	16.09
Edson					.32	.25	.36	1.67	1.06	0.24	1.32	0.21	
Elk Mountain	0.50	0.50	0.15	1.04	0.41	1.04	1.27	4.33	0.53	2.06	0.73	0.60	13.16
Elk Point	0.44	1.05	0.27	2.35	2.13	5.41	2.27						
Ellingson	0.21			0.35	0.69	0.88							
Englewood	1.50	3.30	1.70	2.38	0.28	2.55	0.32	3.70	1.30	1.20	4.10	4.85	27.18
Eureka	0.41	0.73	0.62	2.24	0.97	1.29	0.45	3.57	1.15	0.61	0.88	0.80	13.72
Fairfax	0.15	0.70	0.02	2.17				2.83	1.37	6.06	0.16	0.76	
Faulkton	0.17	0.38	0.63	1.55	2.41	1.76	1.14	3.63	2.36	1.33	0.40	0.74	16.50
Flandreau	0.80	0.60	0.55	2.76	1.39	3.14	2.15	3.19	4.55	5.51	0.20	0.82	25.76
Forestburg	0.30	0.83	0.61	1.03	1.77	1.94	3.19	4.28	2.54	3.19	0.64	0.94	21.26
Fort Meade	0.17	0.45	0.70										
Frederick		0.50			2.20					2.13	0.21	4.49	
Gannvalley	0.70	0.90	0.20	1.30	2.98	0.71	2.71	3.19	3.55	1.75	0.30	0.50	18.79
Greenmont	0.94	1.84	1.42	2.15	2.40	3.14	1.75	4.39	1.50	3.47	3.91	2.83	29.74
Greenwood	0.35	0.80	1.90	3.23	2.21	1.56	1.98	2.30	1.74	5.84	0.27	0.57	22.75
Hardingrove									2.34	0.38	0.17	0.58	
Hardy Ranger Station	1.68	0.86	2.30	1.80	2.03	0.96	1.62	3.51	0.51	3.03	1.83	0.87	21.50
Harveys Ranch	1.13	1.04	1.30	1.12	1.10	1.91	2.02	3.19	0.40	1.31	2.50	2.10	19.12
Hermosa	0.12	0.38	0.26	0.53	0.44	2.14	0.18	2.27	1.34	1.78	0.47	0.73	10.64
Highmore	0.11	0.39	0.32	2.54	1.91	0.09	2.09	2.52	3.06	1.05	0.35	0.44	15.47
Hill City	0.23	0.84	0.54	0.83									
Hitchcock					2.14	0.28	2.54	2.86	2.09	2.06			
Hopewell	0.05	0.52	0.24	1.03	1.16	0.49	2.27	2.75	3.07	0.46	0.85	0.40	13.29
Howard	0.48	0.30	0.46	1.16	3.07	3.63	2.95	4.29	3.53	5.36	0.14	0.47	25.84
Howell	0.36	1.08	0.33	0.79	2.82	0.41	2.14	4.87	2.95	1.27	0.30	0.61	17.93
Huron	0.17	0.74	0.45	0.57	2.97	1.82	3.26	2.82	2.10	2.36	0.26	0.50	18.02
Ipswich	1.05	0.80	0.10	2.80	1.66		1.69	4.11	3.65	0.74	1.40	0.48	
Kadoka	0.06	0.22	0.06	1.65	1.78	1.62	1.48	3.86	1.80	1.23	0.18	0.20	14.14
Kennebec	0.20	0.50	0.58	2.72	2.03	1.78	1.54	5.92	2.86	2.30	0.65	0.65	21.73
Kidder	0.66	0.26	T.	1.73	3.53	2.25	4.27	2.31			1.81	0.55	
Kimball			0.11	1.80	2.58	2.93	4.43	3.39	3.35	2.78	0.21	0.43	
Lacreek											1.52	0.72	
La Delle	0.11		1.07	0.95	2.35	0.51	3.22	3.12	2.86	2.99	0.50	0.18	
Lead	0.57	0.93	1.70	1.54	0.84	2.38	1.24	3.36	1.00	2.58	2.67	1.34	20.15
Lemmon	0.45	T.	0.37	0.45				1.08	1.35	1.15	1.18	0.68	
Manderson						3.03	0.64	5.96	1.48	2.12	0.33	0.23	
Marion	0.33	1.28	1.07	3.54	1.84	4.63	3.25	6.92	3.36	7.73	0.34	0.91	35.20
Marston	T.	1.00	0.05	1.53	1.11	0.20	1.30	2.93	2.95	0.78	0.55	0.39	12.79
Mellette	0.42	0.67	0.49	1.47	3.29	1.38	2.67	4.15	2.51	1.47	1.13	0.26	19.91
Menno	0.24	0.49	0.78	3.42	1.91	1.87	2.21	3.90	1.90	5.97	0.27		
Milbank	1.42	0.45	0.37	2.12	1.52	3.84	3.18	3.08	3.19	3.70	1.28	0.65	24.80
Mitchell	0.84	0.70	0.68	2.14	2.05	4.65	2.69	3.56	3.19	4.82	0.06	0.55	25.93
Mobridge	0.12	0.30	0.25	2.55		0.38	0.55	3.48	1.51	0.34	0.95	1.41	
Murdo	T.	0.75	0.05	2.35	1.72	1.05	3.50	4.75	2.20	1.66	0.90	0.45	19.38
Oelrichs	0.30	0.40	0.25	1.42	0.97	2.25	0.80	3.39	1.39	1.90	0.55	0.50	14.12
Onaka								6.01	3.35	1.06	0.89	1.00	
Orman	0.06	0.02	0.01	0.17	0.76	0.39	0.68	1.88	0.74	0.45	0.95	0.56	6.67
Ottumwa	0.10	0.70	T.			T.	0.43	1.32	2.34	0.55	1.10	0.70	
Parkston								1.98	2.55	7.77	0.79	1.55	
Pierre	0.05	0.55	0.19	1.35	1.66	0.87	1.52	2.20	2.79	0.48	0.47	0.54	12.67
Plankinton	0.60	0.85	0.27	2.32	3.01	3.98	3.13	2.42	2.19	4.82	0.65	0.89	25.13
Pollock	0.20	0.39	0.11	1.52	0.85	2.01	0.35	4.20	1.73	0.95	0.86	0.29	13.46
Rapid City	0.11	0.43	0.44	1.34	0.50	0.73	0.68	2.01	0.92	1.21	1.40	0.78	10.55
Redfield	0.20	0.72	0.52	1.25	1.80	0.92	3.51	2.24	2.23	1.58	0.39	0.66	16.02
Rochford	0.50	0.42	0.84	0.89	0.65	1.77	1.05	3.03	0.44	1.90	1.78	1.04	14.31
Rosebud	1.21	0.45	0.45			0.10	3.52	1.05	1.87	2.96	1.15	0.88	
Rosebud Agency					1.35			3.79					
Roslyn	0.71	0.25	0.03	1.50	2.85	2.91	3.61	6.09	3.40	2.25	1.05	0.25	24.90
Selby	0.23	0.62	0.51	1.29	0.85	1.25	1.86	3.41	1.49	0.61	0.99	0.49	13.60
Sioux Falls	0.24	1.22	0.25	3.34	1.11	2.68	4.50	8.07	3.22	6.89	1.43	1.62	34.57
Sorum						1.11	0.48	1.73	1.05	0.60	0.42	1.11	
Spearfish	0.42	0.28	0.60	1.07	0.96	2.03	0.22	2.44	0.78	0.83	2.65	1.50	13.78
Stephen	T.	0.59	0.18	2.52	2.15	0.88	4.17	4.29	3.61	1.83	0.54	0.25	21.01
Tama	0.35	0.55	T.	0.46	0.50	0.24	0.39	1.93	1.57		0.74		
Timber Lake										0.57	0.84	0.38	
Tyndall	0.46	0.91	0.77	4.18	2.35	1.25	2.69	3.09	2.25	7.14	0.42	0.39	25.90
Vale	0.36	0.23	0.09	0.47	0.04	0.62	0.58	2.29	0.97	1.06	1.08	0.58	8.37
Vermillion	0.16	1.30	0.25	2.21	1.35	4.16	2.03	3.19	1.51	4.69	0.02	1.22	22.09
Waters Ranch	0.31	0.54	1.04	0.94	0.85	1.38	0.64	2.48	1.08	0.99	2.06	0.93	13.24
Watertown	0.80	0.31	0.30	0.85	2.14	1.48	1.87	2.82	1.85	4.24	0.96	0.34	17.96
Wentworth	0.65	0.52	0.77	2.06	1.62	3.48	3.09	5.00	5.95	6.48	0.22	0.52	30.36
Wessington Springs	0.50	0.93	0.58	0.56	3.06	1.44	3.08	2.72	2.58	2.20	0.35	0.70	18.70
White Lake	0.05	0.45	0.02	2.46	3.11	3.92	2.94	2.88	2.58	4.33	T.	0.47	23.21
Winner	0.30			4.20	1.35								
Yankton	0.35	1.43	0.49	4.36	1.42	2.10	2.86	4.03	2.28	5.91	0.32	0.86	26.41

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Tennessee.													
Arlington				9.68	1.24	3.15	7.30	5.22	0.86	0.65			
Ashwood	4.62	3.88	2.50	6.89	2.86	3.25	2.56	6.85	1.72	2.76	3.07	10.09	51.05
Benton	5.93	5.17	2.90	7.28	3.63	2.28	7.90	2.45	4.95	4.34	4.73	6.57	58.13
Bird's Bridge	3.35	3.01	5.15	5.43	1.09	1.98	5.68	3.54	2.40	3.75	3.10	2.80	41.28
Bluff City	4.13	3.20	4.56	4.69	1.20	3.32	3.43	2.13	2.29	5.50	3.72	3.34	41.51
Bolivar	2.44	3.59	1.93	10.88	1.17	3.43	5.12	5.27	0.19	1.37	3.85	10.65	49.89
Brownsville	3.19	3.29	2.48	9.85	1.09	2.70	4.49	5.16	1.27	0.89	4.75	10.12	49.28
Byrdstown	4.13	3.42	2.90	7.82	2.37	4.03	2.40	3.52	1.79	2.82	5.26	8.10	48.56
Carthage	3.37	4.52	3.49	6.52	1.86	3.40	5.11	3.58	1.58	2.45	4.44	8.49	48.81
Cedar Hill	3.10	3.65	3.03	7.39	2.52	4.80	5.71	3.83	2.09	2.43	6.09	10.79	55.43
Celina	4.27	4.55	3.20	7.92	0.87	3.43	2.96	3.61	2.83	3.07	5.07	9.83	51.61
Center Point	2.51	3.63	2.01	11.62	0.78				2.14	2.67	3.94	12.69	
Charleston	5.79	4.17	3.19	8.35	2.55	5.52	5.47	2.45	4.31	5.56	5.11	7.86	60.33
Chattanooga	6.52	4.41	2.79	15.29	1.81	3.16	5.40	3.02	2.97	4.87	4.23	8.07	63.14
Clarksville	2.69	2.72	1.92	7.21	1.40	1.59	2.77	6.78	1.18	2.84	4.92	10.53	46.55
Clinton	6.23	5.38	5.50	9.70	1.20	2.20	2.52	2.65	1.59	4.75	3.94	6.35	52.01
Covington	2.89	3.14	1.92	10.42	1.06	5.29	2.05	5.52	1.09	0.75	3.98	9.87	47.98
Dandridge	4.56	3.92	5.76	6.12	2.04	1.92	4.02	1.10	2.12	3.90	4.14	3.58	43.48
Decatur	6.99	4.24	2.92	10.39	2.39	4.53	7.24	3.15	1.94	5.35	5.00	7.49	61.63
Dickson	3.24	3.79	2.82	7.73	1.27	2.37	5.31	4.66	3.26	2.25	5.11	12.99	54.80
Dover	2.38	3.55	1.24	7.83	1.07	1.95	3.14	5.37	1.89		6.14	10.41	
Dunlap	4.44	4.25	2.58	10.10	2.48	3.03	5.84	2.79	4.35	4.08	5.68	7.74	57.36
Dyersburg	1.30	2.29	1.00	10.18	0.20	2.80	5.30	3.07	4.50	2.41	5.35	8.29	46.69
Elizabethton	3.57	4.07	4.55	3.64	1.22	3.50	1.79	2.65	2.26	4.83	1.87	2.05	36.00
Erasmus	5.58	4.64	5.90	9.54	1.34	7.21	5.36	3.63	1.22	4.09	4.72	9.12	62.35
Florence	3.47	5.91	2.75	7.02	4.43	5.69	1.77	4.80	2.19	2.71	4.15	9.65	54.54
Franklin	3.08	5.67	2.81	7.03	0.70	8.20	4.69	4.43	1.50	2.61	4.94	13.02	58.68
Hall's Hill	3.88	4.37	2.47	7.04	1.41	5.75	3.94	7.01	1.74	2.50	4.43	8.56	53.10
Harriman	5.81	4.62	5.29	11.97	1.50	2.93	4.16	2.36	3.65	7.38	5.09	7.64	62.40
Hohenwald	5.47	5.11	4.04	8.83	2.34	6.49	3.63	7.14	4.03	4.83	5.66	15.17	72.74
Iron City	4.16	5.69		10.22	2.40	2.95	7.15	5.04	3.94	3.03	2.54	10.41	
Jackson	2.61	2.83	1.89	12.48	2.90	2.12	2.97	9.24	4.40	3.40	5.58	10.11	60.53
Jefferson City	3.95	4.31	5.02	7.55	0.98	3.13	4.21	2.98	1.24	4.27	4.12	3.74	45.50
Johnson City	3.40	3.14	4.05	4.06	2.03	2.59	1.69	1.60	1.51	3.12	3.06	2.79	33.04
Johnsonville	3.12	2.76	2.05	9.16	1.59	2.13	4.64	5.95	5.00	2.39	5.88	10.36	55.03
Kenton	3.42	2.97	1.40	9.66	1.30	4.07	4.30	5.56	2.68	2.21	7.44	7.19	52.20
Kingston	5.04	4.13	4.58	11.00	1.28	2.36	3.86	2.43	1.98	6.13	5.15	7.17	55.11
Knoxville	4.79	4.83	3.99	7.66	1.23	2.72	4.31	2.99	1.99	3.78	4.37	4.84	47.40
Lebanon	2.54	4.59	3.23	6.44	3.29	4.98	5.46	4.89	2.70	3.33	4.65	9.87	55.97
Lewisburg	4.49	5.45	2.53	7.66	2.96	5.40	5.85	5.63	3.01	2.89	4.34	10.11	60.32
Livingston		3.53	2.79	7.79	0.99	4.00	4.55	3.75	1.15	2.60			
Loudon	5.95	4.18	3.98	7.94	1.42	4.87	4.37	4.96	2.69	4.60	4.56	6.05	55.57
Lynnville	4.38	6.09	3.85	8.63	2.50	5.74	5.95	4.47	2.60	3.46	3.84	11.39	62.90
McGhee	5.65	4.35	3.25	6.35	0.83	5.20	6.31	3.04	2.04	3.70	4.24	5.65	50.61
McMinnville	4.92	3.60	2.99	9.98	3.03	5.53	3.34	6.25	3.88	2.98	5.19	8.80	60.49
Maryville	4.65	4.24	4.33	8.42	0.91	5.10	5.28	3.84	1.85	4.09	4.85	3.83	51.39
Memphis	1.84	3.48	1.62	8.84	0.20	1.73	3.77	5.64	0.16	0.36	4.14	9.34	41.12
Milan	2.58	2.63	1.74	7.39	2.73	4.22	3.22	9.18	3.37	3.46	4.82	9.96	55.30
Mountain City	4.65	2.64	6.73	6.25	1.71	4.62	5.68	4.60	2.48	4.40	2.71	3.67	50.14
Nashville	2.00	4.68	2.22	5.11	1.67	4.58	3.34	5.17	1.89	2.21	4.38	11.01	48.26
Newport	2.74	3.69	4.99	5.96	1.85	2.45	5.50	3.31	2.22	3.00	3.47	3.51	42.69
New River	3.40	3.99	3.84	8.39	3.19	3.64	1.70	4.62	2.18	2.94	3.35	8.43	49.67
Palmetto	4.50	4.31	2.08	7.73	4.05	3.18	4.85	6.04	2.57	2.70	4.06	8.83	54.90
Pinewood	2.75	4.50	2.93	7.80	0.87	3.35	4.21	5.62		2.52	4.75	14.10	
Pope	3.06	3.64	2.62	10.74	1.74	2.63	1.24		3.70				
Rogersville	4.46	3.66	5.36	6.07	1.04	3.33	2.41	3.75	2.09	4.44	4.20	4.04	44.85
Rugby	4.04	4.35	6.09	11.73	1.54	6.66	2.81	4.94	2.68	2.73	4.20	7.60	59.37
Savannah	4.24	4.63	2.45		1.40	2.10	7.70					16.30	
Sevierville	3.55	4.22	3.98	6.09	1.41	3.50	3.59	2.06	3.17	3.78	4.00	4.17	43.52
Sewanee	4.29	4.26	2.00	8.33	2.16	3.33	7.95	3.56	2.10	4.39	2.80	7.90	53.07
Sparta	3.26	3.26	3.54	7.57	1.62	3.10	4.45	5.81	2.24	2.25	2.87	8.29	48.26
Springdale	3.82	3.01	5.33	8.45	1.25	1.47	3.20	3.71	2.42				
Springville	2.32	3.02	1.53	8.42	1.34	1.66	4.52	4.91	4.74	1.82	5.45	10.45	50.18
Tazewell	5.66	3.77	5.82	7.25	2.58	4.91	2.06	2.91	3.92	3.94	4.13	4.60	51.55
Trenton	2.68	3.33	1.52	8.32	1.96	2.81	2.40	5.75	1.82	0.62	4.68	9.15	45.04
Tullahoma	5.54	5.06	2.90	8.99	2.75	5.59	8.44	3.37	2.06	3.34	4.52	10.45	63.01
Union City	1.75	2.60	1.06	7.30	0.70	1.80	1.69	5.50	4.57	1.45	4.05	4.50	36.97
Walling	3.99	5.69	3.16	8.22	2.35	5.64	3.76	6.44	1.69	3.68	3.20	8.26	56.08
Waynesboro	4.59	5.22	2.75	8.16	1.16	3.24	7.77	8.70	2.29	2.94	4.56	11.58	62.96
Wildersville	3.72	3.64	2.63	10.51	0.92	1.59	3.83	7.22	3.90	2.45	4.43	9.22	54.06
Worsham	3.25	2.85	3.21	7.21	3.72	5.79	4.05	3.03	2.29	2.50	5.10	12.76	55.76
Yukon	5.92	4.56	3.60	9.50	3.18	5.84	5.94	6.60	3.33	3.27	4.87	11.12	67.73
Texas.													
Abilene	0.53	3.02	0.91	2.71	0.06	0.08	6.39	2.83	1.38	1.37	0.31	6.29	25.88
Albany	0.57	2.74	1.52	2.53	0.43	0.07	4.14	3.59	2.53	0.98	0.17	5.99	25.26
Alice				2.75	3.60	2.60	1.35	0.00	0.64	1.45	1.56	3.31	
Alpine				1.32	2.08	0.42	3.27	1.67	1.56	0.70	0.15	2.25	
Alvin	0.32	0.92	5.11	9.06	2.81	3.38	12.34	0.95	3.08	2.59	2.28	15.94	58.78
Amarillo	0.13	2.88	0.50	2.76	5.88	0.20	3.85	2.97	0.83	0.84	0.94	0.95	22.73
Anahuac	0.70	0.71	3.36	7.60	1.82	9.20	4.56	2.61	3.57	4.05	2.39	12.12	52.71
Antelope	0.52	1.44	1.74	1.44	0.12	0.25	3.76	2.71	3.60	0.30	0.56	3.87	20.31
Archer City	0.27	1.77	0.08	1.70	0.29	0.50	1.87	4.59	2.04	0.35	0.54	5.72	19.72
Arthur City	0.46	3.90	2.05	6.55	0.65	0.00	2.80	2.33	0.03	3.90	2.85	6.31	30.93
Aspermont							2.06	1.72	2.07	0.40	0.22	3.12	
Austin	0.15	2.65	1.70	5.06	2.74	0.00	1.86	0.22	0.44	3.39	1.51	2.88	22.60
Ballinger	0.36	4.55	0.43	3.04	1.40	T.	1.49	5.07	3.70	2.20	0.76	3.94	26.94
Barstow	1.02	2.39	1.37	2.10	1.41	0.18	0.85	0.00	1.32	0.15	0.85	1.39	13.03
Bay City	0.30	0.95	3.42	8.54	4.04	1.60	2.71	T.	3.04	5.29	2.99	10.03	42.91
Beaumont	3.06			5.96	1.71	3.81	8.91	2.48	2.79	5.73	2.09	15.12	
Beeville	0.33	2.09	2.34	3.13	6.06	1.30	0.13	T.	0.48	0.82	2.66	4.12	23.46
Big Springs	0.58	4.20	0.43	2.55	0.32	0.30	1.34	0.37	1.79	0.25	0.18	2.53	14.84
Blanco	0.70	2.53	2.13	5.33	1.84	0.16	1.37	0.82	1.04	2.24	1.74	2.44	22.34
Boerne	0.58	2.17	5.45	4.72	1.36	0.13	1.70	1.05	0.40	1.97	2.95	2.95	25.43
Bonham							4.83	3.83	0.37	1.43	1.38	4.29	
Booth	0.00	1.58	2.26	6.82	6.64	1.72	4.51	0.40	5.42	4.42	1.81	12.78	50.36

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Bowie	0.49	3.40	0.37	1.92	0.65	0.82	4.40	4.68	2.22	0.50	0.20	4.51	24.16
Brady			1.65	2.63	0.00	0.40	0.86	3.36					
Brazoria	0.36	1.57	4.73	9.80	3.22	2.20	14.28	1.30	3.62	3.84	5.41	9.98	60.31
Brazos	0.15	2.99	1.36	2.36	0.48	0.46	5.62	7.11	3.04	1.03	0.57	4.84	30.01
Brenham	0.63	2.53	3.30	6.04	4.52	1.14	4.31	0.88	0.22	2.89	2.27	7.64	36.37
Bridgeport	0.46	3.23	1.58	3.07	0.25	0.35	2.96	5.96	0.00	0.36	0.34	5.04	23.60
Brighton	0.58	1.38	2.83	5.04	6.60	1.35	2.85	0.00	1.20	0.50	1.73	3.55	27.61
Brownsville	0.45	2.05	1.78	2.05	1.84	1.21	0.63	T.	2.75	0.66	1.54	2.16	17.12
Brownwood	0.30	4.29	1.71	3.85	1.53	0.51	4.43	4.63	3.65	0.86	0.84	3.69	30.29
Cameron	0.44	3.47	1.84	5.54	2.44	1.17	4.87		0.64	1.32	1.76	5.07	
Canadian	0.10	7.66	0.02	0.94	3.84	0.00	3.75	1.25	1.41	0.67	0.64	2.86	23.14
Carmona	0.35	1.93	3.72	9.89	4.13	0.57	4.52	1.78	1.44	3.03	2.64	14.25	48.25
Childress	T.	5.24	T.		1.50	0.40	3.00	2.35	1.60	1.40	0.25	4.50	
Chillicothe	0.17	3.89	0.12	1.85	1.93	0.06	3.35	3.41	3.04	0.81	0.70	5.07	24.40
Clarendon	0.27	5.67	0.15	0.85	5.31	0.12	5.59	2.09	3.69	3.03	0.90	2.44	30.11
Clarksville	0.48	4.85	2.12	6.61	2.19	2.23	2.80	3.55	1.00				
Claude	0.00	4.28	0.74	1.01	5.62	0.04	4.67	2.90	1.23	1.57	0.25	0.80	23.11
Claytonville	0.79	5.03	0.64	1.76	T.	0.00	1.26	5.86	1.82	0.89	0.18	4.50	22.73
Clifton			2.42	5.42	1.25	1.21	7.35	1.86	3.90	2.17	0.73	4.97	
Coleman	0.33	3.10	0.75	5.16	1.57	0.20	4.92	2.57	2.20	3.37	0.63	4.64	29.44
College Station	0.31	3.50	3.05	7.08	2.70	0.38	5.67	2.64	1.61	3.55	1.87	7.25	39.61
Colorado	0.41	4.84	0.72	2.03	0.67	0.40	3.20	2.98	2.12	0.32	0.45	2.90	21.04
Columbia	0.55	1.60	4.50	7.78	3.55	3.30	9.10	1.00	2.85	3.50	4.65	12.72	55.10
Columbus	0.44	2.32	2.86	3.66	7.40	0.34	4.14	0.98	1.76	3.74	1.86	7.44	36.94
Corpus Christi	0.24	0.72	2.64	3.95	3.74	1.00	2.04	0.00	1.77	0.86	1.49	3.65	22.10
Corsicana	0.76	3.69	2.87	6.00	1.60	0.46	4.66	0.74	1.61	0.92	1.15	5.93	30.39
Cotulla							0.00	5.00	1.00	1.05	4.28	0.95	
Crockett	0.59	2.47	4.56	9.87	2.71	1.24	7.15	2.27	0.71	2.95	3.50	9.73	47.75
Cuero	0.31	2.26	3.41	4.37	2.56	0.18	2.84	3.38	0.21	3.48	4.15	4.55	31.70
Dalhart	0.00	0.54	0.43	0.59	3.37	0.28	3.60	1.92	0.52	1.78	0.22	1.28	14.53
Dallas	0.63	2.98	2.19	3.15	0.87	1.01	5.34	4.14	2.21	2.08	1.08	4.34	30.02
Danevang	0.00	1.90	6.21	8.25	2.75	0.75	3.23	0.10	4.21	2.15	3.18	14.10	46.83
Decatur	0.20	3.90	1.20	3.79	0.45								
Del Rio	0.15	2.29	1.59	2.85	0.27	T.	0.54	1.14	0.36	1.11	2.65	2.23	15.18
Denison	0.54	3.62	0.82	2.52	1.97	0.38	2.60	4.44	2.24	2.09	0.60	4.47	26.29
Devine	0.44	1.21	3.32	3.41	1.74	T.	0.38	2.21	0.12	1.97	1.82	1.82	18.44
Dialville	0.55	3.55	3.45	8.71	3.20	0.86	8.70	4.08	0.37	2.13	2.73	8.27	46.60
Dilley	0.75	1.85	2.65	3.25	0.90	0.00	0.00	1.00	1.80	1.55	2.50	1.00	17.25
Dublin	0.24	4.12	2.79	3.92	0.00	0.17	4.06	5.85	2.48	1.03	0.71	3.51	28.88
Duval	0.28	2.64	1.94	8.71	0.80	0.02	2.47	0.61	0.62	3.50	1.43	3.22	26.24
Eagle Pass			2.22	0.96	0.30	0.02	0.08	2.13	0.03	7.68	2.84	1.52	
Eastland					T.	T.	1.10	2.58	2.75	1.65	0.50	4.58	
Edna	0.20	2.00	5.02	9.58	1.63	2.15	1.43	0.99	3.18	1.19	2.63	10.05	40.05
El Paso	0.36	0.96	0.43	0.47	0.39	2.36	3.43	0.45	1.00	0.43	0.35	0.24	10.87
Encinal	0.35	1.43	2.16	2.09	0.63	0.00							
Eola								3.05	T.	T.	1.26	4.01	
Fairland	0.92	1.66	2.06	9.59	1.11	0.07	2.93	3.12	0.22	1.80	1.14	2.41	27.03
Falfurrias	0.35	0.49	0.93	3.62	1.29	0.10	0.81	0.67	1.11	3.61	1.76	2.25	16.99
Finley	0.22	4.59	2.21	7.71	1.49	1.22	1.18	0.36	1.88	1.62	1.45	3.79	27.72
Flatonia	0.38	4.38	5.45	5.19	3.28	1.21	1.67	1.57	1.19	4.24	2.39	4.17	35.12
Flint	0.63	4.95	2.80	7.95	2.11	0.45	3.17	3.71	0.45	3.89	2.75	7.34	40.20
Floydada					1.72		5.81	0.14					
Fort Clark	0.36	4.18	2.05	3.73	0.25	0.00	T.		0.02	1.54	3.35	1.53	
Fort Davis												0.44	
Fort McIntosh	0.18	1.55	2.27	1.72	2.00	0.00	0.71	0.52	0.00	3.07	4.85	0.52	17.39
Fort Stockton	0.48	2.68	1.20	3.50	4.58	0.49	1.32	1.42	1.05	T.	0.25	3.27	20.24
Fort Worth	0.21	3.84	1.87	3.33	0.22	0.43	6.26	2.39	1.38	0.99	1.05	5.06	27.03
Fredericksburg	0.43	1.94	2.35	6.78	0.39	0.35	1.28	1.43	0.52	1.39	1.47	2.03	20.36
Gainesville	0.53	4.11	0.88	2.69	0.88	1.35	1.90	6.08	1.67	2.47	0.25	3.94	26.75
Galveston	0.90	0.69	3.88	7.63	1.90	1.45	4.73	5.48	3.50	5.92	5.06	9.99	51.13
Gatesville	0.30	2.25	2.55	7.71	0.50	0.75	4.75	0.30	1.05	2.25	1.30	3.60	27.31
Georgetown	0.41	1.62	1.33	6.54	3.32	0.15	4.95	0.79	0.70	2.08	1.29	3.50	26.68
Gonzales	0.42	2.73	3.61	3.65	3.80	0.68	1.17	0.70	1.65	3.09	2.39	3.02	26.91
Gorham	T.	3.22	1.07	4.95	0.50	1.00	8.31	0.65	0.45	3.30	1.50	4.39	29.34
Graham	0.56	3.16	0.83	2.07	0.69	0.77	5.96	2.67	3.12	0.53	0.67	4.98	25.91
Grand Falls					1.23	0.00	0.76	0.46	1.90	0.00	0.50	1.98	
Grand Saline	0.08	3.70	2.13	8.93	1.88	0.16	3.47	4.07	1.32	3.20	1.53	4.98	35.45
Grapevine	0.31	3.77	1.43	3.08	0.71	0.23	4.33	2.97	0.81	0.97	1.04	5.56	25.21
Greenville	0.39	3.35	2.25	6.49	3.07	0.00	3.01	1.05	1.90	1.13	1.26	5.41	29.31
Hallettsville	0.51	2.15	2.40	4.99	4.23	1.77	1.60	1.12	1.46	3.70	2.58	6.03	32.54
Hamlin	0.60	2.72	0.37	2.19	0.70	0.09	2.16	0.46	1.62	T.	0.31	3.17	14.39
Harlingen					2.27	0.41	2.16	0.00	1.70	0.00	0.66	1.91	
Harper	0.19	3.08	1.97	7.42	0.41	0.13	1.63	1.83	0.90	2.74	1.24	2.31	23.85
Haskell	0.43	2.46	0.40	1.69	1.89	0.04	4.20	3.10	2.84	0.27	0.39	4.38	22.09
Hebbronville	0.00	1.80	1.66	2.23	1.61	0.40	1.63	0.32	0.21	1.80	1.90	1.60	15.16
Hempstead	0.25	0.75	2.80	6.13	6.15	0.25	3.65	3.78	0.85	2.27	1.37	7.90	36.15
Henderson	0.71	2.64	2.61	8.74	1.71	0.58	14.95	3.02	0.79	1.58	2.29	8.37	47.99
Henrietta	0.33	2.28	0.70	2.47	0.13	0.40	5.89	3.66	1.87	1.34	1.41	4.48	24.96
Hereford	0.15	2.80	0.40	2.05	1.65	T.	4.25	1.80	1.00	2.55	1.00	2.21	19.86
Hewitt	0.24	1.48	2.00	5.14	0.47	1.95	5.72	0.68	1.98	5.26	1.24	3.73	29.89
Hico	0.27	3.63	3.06	3.41	0.01	1.34	3.67	3.92	1.41	0.89	0.70	3.78	26.09
Hillsboro	1.23	4.66	1.12	5.83	0.42	0.00	4.55	2.00	2.19	0.36	0.00	7.03	29.39
Hondo	0.30	1.87	2.91	3.68	2.63	0.00	0.67	0.55	0.54	5.12	2.22	1.96	22.45
Houston	0.18	0.80	3.52	8.67	1.82	3.10	6.59	1.87	3.14	4.72	1.92	11.55	47.88
Huntsville	T.	3.04	4.08	11.33	2.49	3.26	3.87	0.95	3.83	1.78	2.74	11.19	48.56
Jayton	1.40	3.10	0.02	2.42	0.85	0.50	2.85	1.45	0.60				
Jewett	0.66	3.79	4.38	5.66	2.46	0.83	3.98	1.35	0.10	2.97	2.15	5.50	34.03
Junction	0.00	2.60	1.45	4.96	1.66	3.30	3.00	1.10	1.40	2.05	1.20	2.08	24.80
Kaufman	0.32	4.76	1.76	8.67	0.68	0.28	5.61	1.54	0.94	2.39	1.41	6.38	34.74
Keene		3.04											
Kerrville	0.10	2.77	2.56	5.37	0.51	0.08	1.21	2.19	0.43	0.95	1.68	2.94	20.79
Knickerbocker	T.	3.64	0.89	2.75	T.	0.07	1.49	3.24	1.92	2.14	0.66	7.69	24.49
Kopperl	T.	3.42	1.73	4.36	1.00	0.60	4.08	2.05	2.30	0.10	0.80	4.13	24.57
Lagrange	0.38	3.78	4.25	4.88	3.49	0.22	2.49	1.88	1.86	3.42	2.11	5.24	34.00
Lamesa	0.66	5.08	0.71	2.80	0.11	0.62	3.24	0.45	2.26	0.43	0.22	2.03	18.61
Lampasas	0.23	1.66	1.17	5.95	2.86	0.58	3.35	1.07	1.34	1.52	0.97	2.51	23.21

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
La Parra	1.00	1.60	1.44	4.27	8.10	0.00	0.00	0.00	0.80	6.70	2.05	3.15	29.11
Laureles Ranch	0.82	0.40	1.07	4.28	2.21	0.45	.....	0.25	1.64	3.32	1.00	.....	.....
Lewis Ferry	0.88	5.06	1.51	8.94	2.18	0.50	3.80	2.50	.....	.....	.....	.....	.....
Liberty	0.35	0.04	3.98	6.52	5.08	3.83	8.93	2.54	1.68	2.82	2.24	14.10	52.11
Llano	T.	1.09	0.14	3.41	0.98	0.08	1.11	1.17	0.92	2.38	0.97	1.69	13.94
Llano Grande	0.10	0.85	2.99	1.50	2.61	0.00	2.30	0.00	0.35	0.30	0.94	1.88	13.82
Long Lake	0.28	4.55	3.83	9.89	0.77	0.86	3.39	1.93	4.62	2.53	2.81	7.58	43.04
Longview	0.45	6.13	2.22	7.96	1.77	0.42	6.08	5.90	0.55	1.60	2.92	6.35	42.35
Lubbock	.....	.....	.....	2.36	0.72	0.28	6.75	0.21	1.33	1.08	0.22	1.55	.....
Lufkin	0.30	1.77	6.10	11.95	2.67	2.32	11.40	2.55	0.99	3.10	4.87	9.29	57.31
Luling	0.31	2.33	6.34	4.78	3.55	0.08	4.00	1.35	0.58	1.79	2.04	4.10	31.25
McGregor	.....	.....	2.55	5.98	0.58	1.32	4.73	0.20	1.08	3.23	0.90	4.13	.....
Marathon	0.50	2.00	1.96	2.15	5.80	0.60	4.60	2.42	0.30	T.	0.90	1.22	22.45
Marble Falls	1.90	1.64	1.76	9.58	1.74	0.22	2.36	1.50	T.	3.90	0.40	2.33	27.33
Marfa	0.80	1.25	.....	1.70	2.95	2.90	2.55	0.50	0.60	0.00	0.20	0.65	.....
Marshall	0.74	1.91	2.61	10.53	0.95	0.46	7.51	4.60	0.61	1.24	1.24	8.35	40.75
Matagorda	0.46	0.96	2.40	6.71	19.09	0.45	2.85	1.33	3.03	5.15	5.79	11.52	59.74
Memphis	0.20	4.95	0.40	1.80	5.85	1.05	5.15	1.75	0.40	1.25	1.00	2.80	26.60
Mexia	0.34	3.14	2.24	7.78	1.50	0.58	3.61	0.32	0.04	1.66	1.50	7.59	30.30
Miami	0.11	5.01	0.53	1.78	5.07	T.	5.29	2.31	3.04	1.03	1.04	2.53	27.74
Midland	.....	2.90	0.40	3.67	6.00	0.50	3.15	0.32	1.25	0.10	0.06	3.06	.....
Mission	0.11	1.00	1.88	2.82	0.66	0.10	1.09	1.60	1.34	1.04	1.42	1.80	14.86
Mobeetie	.....	5.50	0.30	0.60	4.50	0.00	.....	1.70	T.	1.75	1.70	.....	.....
Mont Belvieu	0.29	0.46	4.23	8.58	1.84	2.42	4.79	4.64	3.12	2.91	1.73	15.48	50.49
Mountain View	0.54	2.84	1.51	.....	.....	.....	.....	0.84	0.35	0.07	0.30	2.70	.....
Mount Blanco	0.16	4.61	0.15	2.10	0.77	1.58	3.52	0.52	1.93	1.72	0.24	1.81	19.11
Nacogdoches	T.	2.93	3.89	9.62	0.61	0.52	11.17	2.09	0.53	1.84	5.00	10.51	48.71
Nazareth	.....	3.60	0.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Braunfels	0.04	2.34	5.50	4.64	2.17	0.29	0.79	1.18	1.00	3.17	1.65	2.79	25.56
Ochiltree	T.	4.10	0.21	1.21	3.90	0.91	3.95	3.63	1.66	0.98	0.65	3.70	24.90
Palestine	0.48	3.16	4.65	8.24	0.77	0.55	3.72	3.01	0.59	3.04	2.35	6.68	37.24
Pampa	0.15	5.00	0.80	.....	.....	.....	5.67	.....	.....	.....	.....	.....	.....
Panhandle	.....	.....	.....	.....	.....	.....	.....	.....	0.20	1.85	0.50	1.70	.....
Panter	0.23	4.39	2.33	3.34	0.23	0.27	3.75	3.48	1.97	0.76	0.68	4.05	25.48
Paris	0.30	3.21	2.02	5.66	3.31	1.18	2.92	4.20	0.34	2.36	1.61	4.49	31.60
Pearsall	1.03	1.32	2.53	2.20	0.48	0.00	0.57	2.84	0.09	0.82	2.03	1.21	15.12
Pierce	0.00	2.55	3.33	7.33	4.92	3.02	4.73	0.65	4.83	3.46	1.82	9.28	45.92
Plainview	0.38	5.83	0.43	4.80	1.92	0.03	10.06	1.03	2.40	2.47	0.36	1.34	31.05
Plemons	T.	2.33	0.18	0.88	5.51	0.14	2.34	2.45	0.71	1.92	0.97	2.46	19.89
Port Arthur	.....	.....	7.90	3.39	2.35	7.41	9.31	6.05	2.85	7.75	1.30	13.45	.....
Port Lavaca	T.	0.97	3.08	6.15	4.49	1.30	3.79	T.	0.64	0.59	0.44	7.35	28.80
Post City	0.43	5.68	0.49	2.62	0.04	0.21	3.19	1.56	1.27	0.72	0.12	2.40	18.73
Putnam	.....	.....	.....	3.51	0.02	0.25	2.20	4.71	2.02	0.89	0.49	6.27	.....
Quanah	T.	3.75	0.00	1.60	1.50	0.00	3.75	1.60	1.25	1.70	0.42	5.92	21.49
Raymondville	0.87	1.77	1.77	1.50	2.90	0.15	0.78	0.43	5.60	2.39	1.55	2.12	21.83
Ricardo	0.42	1.07	1.80	3.95	3.48	2.30	0.98	1.30	1.99	.....	.....	.....	.....
Ringo Crossing	0.00	5.61	2.48	5.13	1.57	3.05	4.87	2.42	1.99	3.28	1.67	5.12	37.19
Riverside	0.30	3.23	4.63	7.95	3.45	1.00	6.90	1.35	2.75	4.42	2.56	10.27	48.81
Robert Lee	0.55	4.68	1.31	2.69	0.37	0.17	.....	.....	.....	.....	.....	.....	.....
Rockland	0.46	2.60	5.79	9.38	3.83	2.21	5.72	3.60	1.00	2.10	0.59	13.01	50.20
Rockport	0.36	1.20	3.57	6.05	1.83	1.25	1.25	0.25	1.22	0.70	1.60	5.83	25.11
Romero	0.04	1.54	0.50	0.27	3.51	0.64	3.05	2.52	1.75	1.19	0.38	1.43	16.82
Rossville	0.25	2.15	3.73	4.45	2.60	0.05	0.90	3.79	0.35	1.13	2.04	1.71	23.15
Runge	.....	1.71	3.83	2.52	2.72	1.20	2.25	1.13	1.38	1.48	4.39	4.97	.....
Sabinal	0.24	1.88	2.66	4.84	1.24	0.04	0.33	1.03	0.04	5.97	2.90	1.83	23.00
Salado	0.44	1.94	1.47	7.77	1.03	0.66	3.74	0.72	0.16	1.62	1.18	2.87	23.60
San Angelo	0.17	3.63	0.83	3.08	0.04	0.97	4.80	7.31	2.15	1.06	0.63	5.96	30.63
San Antonio	0.02	1.66	2.72	3.41	2.01	0.30	1.03	0.48	0.12	3.57	2.01	1.35	18.68
San Augustine	0.36	2.64	3.84	12.82	1.64	2.81	6.38	5.47	1.24	2.20	4.06	13.88	57.34
San Diego	.....	.....	.....	.....	2.96	0.25	.....	.....	.....	.....	.....	.....	.....
San Juanito	0.10	0.56	2.09	2.17	1.02	0.30	1.07	1.17	0.51	0.68	2.13	2.05	13.85
San Marcos	0.00	1.57	3.40	5.09	2.52	0.35	0.22	1.65	0.14	3.41	1.99	3.32	23.66
San Saba	0.17	2.92	1.50	7.33	0.64	0.70	1.03	3.83	2.77	2.48	0.81	2.80	26.98
Santa Gertrudes	0.00	0.25	0.78	3.88	2.05	.....	1.01	0.25	0.55	0.61	0.00	2.62	.....
Sealy	0.22	1.80	2.25	6.95	2.44	1.72	5.68	1.41	1.09	2.86	2.44	9.92	38.78
Seymour	.....	1.70	T.	2.25	1.06	0.09	5.40	2.79	3.91	0.28	T.	4.98	.....
Sherman	.....	.....	.....	2.09	2.69	0.40	3.36	6.82	0.97	2.52	0.69	5.92	.....
Snyder	.....	.....	.....	.....	0.26	0.09	1.42	2.00	2.91	0.37	0.26	3.13	.....
Somerville	T.	2.88	3.20	.....	2.40	1.13	2.74	0.87	T.	2.62	2.05	6.55	.....
Sonora	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.97	.....
Spur	.....	.....	.....	.....	1.15	0.56	4.97	1.69	1.34	1.03	0.39	2.89	.....
Stamford	.....	4.11	0.62	2.08	0.42	0.36	1.46	5.36	3.03	0.25	0.43	5.45	.....
Stowell	.....	.....	.....	.....	.....	4.40	5.20	1.80	2.75	5.43	2.90	13.35	.....
Stratford	.....	.....	.....	.....	.....	.....	4.96	3.51	0.38	1.43	0.20	1.70	.....
Sugarland	.....	0.60	4.80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sutherland Springs	0.17	2.74	2.95	5.82	2.73	0.30	0.33	3.37	0.16	3.05	1.87	2.33	25.82
Taylor	0.20	1.65	1.90	5.92	2.85	0.91	2.59	2.41	0.20	1.77	1.52	3.69	25.61
Temple	0.39	1.83	2.28	5.32	2.09	1.23	3.02	0.64	0.46	4.32	1.27	4.37	27.22
Texline	T.	1.45	0.10	0.50	6.53	0.00	2.96	1.60	1.62	1.25	0.25	0.85	17.11
Theodore	0.83	2.83	0.80	4.13	1.41	0.14	1.15	0.31	0.65	0.00	0.45	1.38	14.08
Thurber	0.28	4.95	1.50	3.22	0.02	0.98	4.57	3.43	2.85	0.74	0.60	4.15	27.29
Tilden	0.35	1.37	3.26	3.89	1.45	T.	.....	.....	.....	.....	.....	.....	.....
Tivoli	0.00	1.17	2.68	5.61	3.07	0.48	0.45	0.00	2.92	2.41	1.47	7.59	27.85
Tulia	0.32	5.43	0.77	3.81	1.75	T.	6.60	1.32	3.05	3.24	1.36	2.12	29.77
Uvalde	.....	2.48	2.23	3.85	0.53	T.	1.01	1.05	.....	4.86	3.00	1.13	.....
Valentine	.....	.....	.....	.....	.....	3.32	3.74	0.98	3.21	0.00	0.30	0.50	.....
Valley Junction	0.96	2.50	2.30	8.55	1.80	0.30	5.70	2.40	1.47	2.94	2.05	6.42	37.39
Victoria	0.00	2.00	3.02	8.62	3.02	2.61	0.98	0.31	4.34	1.36	2.37	7.81	36.44
Waco	0.26	2.88	2.46	6.82	1.62	1.42	6.61	0.94	1.32	4.49	2.30	5.54	35.66
Waxahachie	0.32	3.28	2.84	5.90	1.92	1.55	6.29	2.83	0.33	0.76	1.19	7.38	34.59
Weatherford	0.23	5.53	1.78	1.98	1.14	0.08	5.80	5.13	2.96	0.78	0.95	4.57	30.98
Wharton	.....	.....	2.51	6.78	3.81	3.61	.....	0.12	4.13	5.30	.....	.....	.....
Wichita Falls	0.24	1.83	0.25	2.68	0.19	0.29	4.66	1.87	0.73	0.43	0.62	6.21	20.00
Wills Point	0.40	3.09	2.66	10.10	0.62	0.08	4.64	3.19	1.90	5.08	0.60	5.89	38.25
Winfield	0.24	5.12	1.79	8.54	1.92	0.27	3.85	1.35	3.54	1.69	1.65	6.10	36.06
Winters	.....	.....	.....	.....	.....	.....	1.46	2.47	1.80	0.85	0.00	4.52	.....
Zapata	0.24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Utah.													
Alpine	1.65	0.48	.....	.....	1.43	0.23	0.00	0.00	1.60	1.02	0.52	1.38	.....
Aneth	0.51	0.83	0.85	.....	0.00	0.29	2.40	0.71	2.08	2.48	0.12	0.16	.....
Beaver	1.73	0.79	1.57	0.30	0.44	1.37	1.86	0.84	3.53	0.17	0.45	1.00	14.05
Black Rock	0.10	1.71	0.77	0.16	T.	0.00	0.97	0.46	1.68	0.17	0.20	0.63	6.85
Bluff	.....	.....	.....	.....	.....	0.23	2.21	1.04	1.86	1.86	0.00	0.35	.....
Burrville	.....	.....	.....	0.90	0.00	0.73	0.85	0.62	2.31	0.38	0.60	0.95	.....
Castle Dale	1.73	1.05	T.	.....	0.00	1.87	1.72	0.70	1.75	0.95	0.10	0.80	.....
Castle Rock	2.82	1.25	0.98	1.87	0.78	1.87	0.90	0.00	0.99	1.05	0.75	0.48	13.74
Cedar City	1.70	1.02	0.89	0.05	0.38	0.64	2.88	0.22	3.63	0.81	0.20	1.26	13.68
Center	.....	.....	.....	.....	0.09	0.92	0.98	0.21	1.03	0.57	0.76	0.24	.....
Cisco	.....	.....	.....	.....	.....	0.03	1.10	0.05	2.50	1.90	.....	.....	.....
Clarkston	.....	.....	.....	.....	.....	.....	1.20	0.04	1.91	1.80	.....	0.10	.....
Corinne	3.79	1.00	1.04	0.71	1.06	0.72	T.	0.00	0.88	2.71	0.05	0.45	12.41
Deseret	0.64	0.49	0.63	0.31	0.20	0.10	0.10	0.12	1.28	0.79	0.51	0.53	5.70
Desert Lake	.....	.....	.....	.....	.....	0.47	.....	0.46	.....	.....	.....	.....	.....
Dragon	.....	.....	.....	.....	0.27	0.69	1.10	1.24	2.01	2.81	0.53	0.50	.....
Duchesne	0.53	1.25	0.78	0.04	T.	1.16	0.63	0.34	1.66	0.63	0.16	0.37	7.55
Elkhorn	1.95	1.50	0.25	0.10	0.00	1.33	0.87	0.19	1.58	0.45	0.10	0.70	9.02
Emery	0.70	0.50	0.30	0.20	0.00	1.55	1.95	1.05	1.55	0.00	T.	0.20	8.00
Enterprise	9.56	2.60	2.07	0.00	0.27	2.73	2.11	T.	3.24	T.	0.03	0.91	23.52
Escalante	1.58	.....	1.63	0.00	0.02	1.35	1.17	1.65	2.83	0.32	.....	0.55	.....
Fairfield	4.10	1.38	1.51	0.64	0.70	0.46	0.44	0.05	1.25	1.02	0.33	0.99	12.87
Farmington	4.82	2.42	1.45	2.03	0.74	0.56	0.11	0.00	0.86	2.30	1.63	2.03	18.95
Fillmore	1.77	1.14	1.11	0.32	0.88	1.15	1.76	0.11	1.63	1.39	0.90	0.98	13.14
Fisher Valley	.....	.....	.....	.....	.....	.....	.....	1.24	0.85	2.35	0.20	0.86	.....
Fort Duchesne	0.31	0.98	0.26	0.00	0.00	0.26	0.25	0.51	1.44	0.78	0.00	0.43	5.22
Frisco	0.45	0.54	0.81	0.84	0.00	0.85	2.53	0.18	1.56	0.31	0.00	1.40	9.47
Fruitland	1.42	1.05	0.74	0.30	0.01	1.33	1.02	0.18	2.35	0.76	0.38	0.50	9.66
Garrison	.....	.....	0.70	0.20	0.20	0.68	1.19	T.	.....	.....	.....	.....	.....
Government Creek	1.09	1.53	1.36	0.39	0.55	0.68	0.69	0.00	0.99	1.26	0.51	0.36	9.41
Granger	.....	.....	.....	.....	.....	.....	.....	.....	1.26	1.43	1.37	1.10	.....
Grantsville	.....	.....	.....	0.90	0.26	0.59	0.24	0.00	1.24	1.23	0.93	0.25	.....
Green River	0.45	0.77	0.36	0.09	0.00	0.54	0.48	0.33	1.03	1.17	T.	0.25	5.47
Grouse Creek	1.99	0.69	0.33	0.62	0.86	2.17	0.57	0.00	1.40	1.14	0.71	0.51	10.99
Hanksville	0.04	0.44	0.02	0.00	0.00	1.22	0.05	0.10	0.78	2.32	0.39	0.13	5.49
Heber	5.29	1.34	2.82	1.20	1.10	0.93	0.13	0.15	1.89	1.03	1.73	0.78	18.39
Henefer	3.57	1.99	1.79	2.92	0.78	1.28	0.05	0.31	1.88	1.21	2.04	0.61	18.43
Hite	0.78	0.78	0.53	0.35	0.00	1.22	0.64	0.26	1.12	2.92	0.15	0.68	9.13
Hooper	.....	.....	.....	1.14	0.78	1.29	0.00	0.00	1.26	1.34	0.92	0.40	.....
Ibapah (near)	1.85	3.64	3.28	1.17	1.63	1.72	2.34	0.10	.....	.....	.....	.....	.....
Ibex	0.42	1.00	0.40	0.36	.....	.....	.....	.....	.....	.....	0.20	0.22	.....
International	1.28	1.21	1.77	1.50	1.33	1.09	0.19	T.	1.40	1.56	1.21	0.70	13.29
Iosepa	1.23	1.01	1.40	0.61	0.68	0.92	0.57	T.	1.06	0.96	0.65	1.31	10.40
Joy	.....	.....	.....	.....	.....	.....	0.15	T.	1.06	0.35	0.17	1.90	.....
Junction	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.13	0.71	0.42	.....
Kanab	.....	.....	.....	.....	.....	.....	1.04	.....	2.70	0.60	T.	0.88	.....
Kanosh	1.87	1.52	1.07	0.79	0.74	0.55	1.17	0.26	1.44	1.07	1.17	1.72	13.37
Kelton	1.55	1.00	0.20	T.	0.45	1.00	T.	0.00	0.75	0.40	0.10	0.30	5.75
Lasal	.....	.....	0.49	0.70	T.	1.29	2.40	.....	.....	2.39	0.05	0.30	.....
Lemay	.....	.....	0.40	0.22	0.12	1.74	0.06	0.00	0.70	0.35	0.00	0.09	.....
Levan	2.08	1.38	1.28	1.17	0.45	0.34	0.70	0.10	1.12	0.75	0.95	1.72	11.04
Loa	.....	.....	.....	.....	.....	.....	.....	.....	1.95	0.16	.....	.....	.....
Logan	5.76	1.46	2.72	1.48	1.77	0.29	0.12	0.00	1.92	1.14	1.70	0.71	19.07
Low	.....	.....	.....	.....	.....	.....	T.	0.00	1.18	0.45	0.15	0.65	.....
Lucin	0.75	1.10	0.05	0.05	0.35	1.40	0.05	T.	0.50	0.55	0.00	0.85	5.65
Lund	.....	.....	0.35	0.10	0.29	0.63	2.64	0.16	1.93	.....	.....	.....	.....
Manila	0.49	.....	0.65	1.54	0.28	1.15	0.61	0.45	1.42	0.54	0.12	0.35	.....
Manti	2.69	0.74	1.15	0.62	0.39	0.68	1.21	0.19	2.03	0.63	0.49	0.40	11.22
Marion	4.05	1.37	3.11	2.57	1.27	1.19	0.55	0.14	2.16	1.16	1.48	1.15	20.20
Maple Creek	.....	.....	.....	2.00	1.47	0.85	0.70	0.23	1.84	1.47	0.95	1.41	.....
Marysvale	1.41	0.91	0.77	0.78	0.07	0.37	1.40	0.79	2.33	0.09	0.40	0.30	9.62
Meadowville	3.81	1.83	1.40	1.55	1.15	1.18	0.20	T.	1.11	1.35	0.80	0.05	14.38
Mercur	.....	.....	.....	0.56	0.55	.....	1.26	0.12	.....	.....	.....	.....	.....
Midlake	.....	.....	2.14	0.32	0.12	1.25	0.00	0.00	0.92	1.69	0.10	T.	.....
Midvale	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.35	1.38	0.52	.....
Milford	0.75	1.40	1.85	0.38	0.05	0.61	0.93	0.00	.....	0.00	0.30	1.70	.....
Millville	3.99	1.57	2.83	1.79	1.65	0.71	0.13	0.05	1.18	1.76	1.99	0.59	18.24
Minersville	1.66	1.47	1.46	0.24	0.11	0.39	0.91	0.03	2.98	0.24	0.45	0.66	10.60
Moab	1.00	1.11	0.82	0.47	T.	0.60	1.22	0.75	1.72	2.60	0.21	0.93	11.10
Modena	1.98	1.51	1.07	0.06	0.06	0.73	1.84	0.52	1.76	0.04	0.13	0.76	10.46
Monticello	.....	3.73	1.04	0.36	0.00	0.91	3.95	2.24	2.91	6.31	0.10	1.60	27.15
Moroni	3.14	0.80	1.05	1.94	0.37	0.90	1.27	0.14	1.62	1.68	1.16	0.76	14.83
Mosida	.....	.....	.....	.....	.....	.....	.....	0.26	0.83	1.19	0.64	0.53	.....
Mount Nebo	1.19	1.44	1.32	0.15	0.26	0.47	0.59	T.	1.30	0.92	0.51	0.74	8.89
Nephi (near)	1.92	0.51	1.05	0.56	0.17	0.76	1.77	0.28	1.02	0.75	0.44	0.66	9.89
New Castle	.....	.....	1.16	0.19	0.34	1.33	2.65	.....	.....	.....	0.15	0.63	.....
New Harmony	.....	.....	.....	.....	.....	0.36	3.51	0.50	4.32	0.00	0.10	.....	.....
Oak City	.....	.....	.....	.....	.....	.....	0.56	.....	.....	1.16	1.91	1.40	.....
Ogden	2.68	1.52	2.92	2.07	.....	1.42	0.17	0.35	1.82	2.66	.....	2.53	.....
Orderville	4.66	1.78	2.18	0.32	0.24	0.72	1.34	0.08	3.82	0.12	0.19	0.95	16.40
Park City	6.24	1.51	1.90	0.23	0.20	0.67	0.44	0.15	3.30	0.85	2.10	2.30	18.89
Park Valley	.....	.....	.....	0.02	0.39	1.71	0.30	0.00	0.74	0.72	0.72	0.22	.....
Parowan	1.06	2.01	0.50	T.	0.16	0.71	1.52	0.22	3.53	0.91	0.40	1.00	12.04
Payson	2.23	2.33	2.44	1.54	1.65	2.03	0.80	0.50	1.29	1.46	1.55	0.97	18.79
Pelican Point	.....	.....	.....	.....	0.77	0.43	0.14	0.24	1.10	1.32	0.62	1.20	.....
Pine Cliff Ranch	.....	.....	.....	.....	.....	2.46	1.70	0.15	2.00	1.70	1.60	1.06	.....
Pinto	3.38	1.38	0.86	0.06	0.40	0.74	1.37	1.84	3.55	0.34	0.13	0.90	14.95
Price	.....	0.39	0.96	0.65	0.00	0.96	1.32	0.00	3.41	0.40	0.01	0.60	10.70
Promontory	0.82	2.40	2.50	0.14	0.14	1.55	0.00	T.	2.20	1.20	1.30	1.45	13.70
Provo	2.85	1.65	1.65	0.75	1.60	2.65	0.20	0.05	1.63	1.39	0.58	2.12	17.12
Ranch	10.85	3.47	3.46	0.24	0.24	1.08	0.90	0.30	6.14	0.24	0.10	1.80	28.82
Randolph	0.81	0.67	0.86	1.60	1.00	1.20	0.26	0.10	0.72	0.55	0.48	0.20	8.45
Revier	.....	.....	.....	.....	.....	0.68	0.16	T.	0.92	1.02	0.74	0.76	.....
Richfield	1.09	1.05	0.46	.....	0.00	0.93	0.42	0.75	1.77	0.00	0.34	0.40	.....

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Utah—Continued.													
Richmond										2.41	1.46	0.85	
St. George	1.47	1.24	0.61	0.13	T.	0.26	2.01	0.08	1.75	0.23	0.02	0.72	8.52
Saltair	1.55	1.25	1.73	1.80	1.23	2.70	0.33	0.00	1.15	2.11	0.98	0.52	15.35
Salt Lake City	1.24	1.94	2.04	1.65	1.84	0.45	0.02	0.05	1.63	1.65	1.48	1.14	15.13
San Rafael							0.03	0.00	1.30	0.51	0.01		
Scipio	3.87	1.77	2.18	0.73	T.	0.34	1.65	0.29	1.45	0.60	0.90	1.57	15.35
Scofield	2.60	1.00	0.55	0.40	0.66	1.67	1.31	0.32	2.01	0.20	0.93	0.34	11.93
Silver City	2.51	0.84	1.58	0.34	0.39	0.61	1.12	0.00	1.39	0.65	0.29	0.80	10.52
Spanish Fork	2.30	1.83	1.39	1.50	1.52	1.62	0.56	0.05	1.25	1.82	1.59	0.87	16.30
Springdale	2.45		2.31	0.20	0.25	0.31	1.31	0.56	4.32	0.00	0.00	0.60	
Standrod	2.14	0.88	0.88	0.92	0.96	3.50	0.59	0.06	1.39	1.99	1.04	0.37	14.72
Strawberry Tunnel (west)	4.95	2.80	1.60	1.57	1.65	1.44	1.78	1.56	2.42	0.93	2.40	2.54	25.64
Sunnyside	2.70	1.42	0.91	1.10	1.10	2.19	1.30	0.47	3.23	0.54	0.35		
Teasdale	0.24	1.75	0.46		0.02	1.36	0.71	1.12	1.74	0.05	0.11	1.00	
Thistle	3.69	1.58	1.23	2.02	0.93	1.67	1.02	T.	1.08	1.10	2.88	1.30	18.50
Thompsons					T.	1.07	0.94	0.18	2.26	1.89	0.15	0.35	
Tooele	1.40	2.23	1.73	1.50	0.86	1.21	0.21	0.06	1.11	1.70	1.18	1.07	14.26
Tropic	2.88	1.30	0.52		T.	0.99	1.73	1.00	2.50	0.84		0.17	
Trout Creek Ranger	4.00	2.90				2.01	1.87	0.61	1.70	1.57			
Utah Lake Pumping Station		0.83	2.02	1.05	0.95								
Vernal	1.06	0.91	0.57	0.11	T.	0.30	0.28	0.01	1.69	1.00	0.02	0.19	6.14
Vernon								T.	1.33	0.64	0.75	1.18	
Wendover						0.20	0.09	0.00	0.56	0.25	0.03	0.10	
Whiskey Creek					0.35	0.39	0.45	0.18	1.40	T.	0.60	1.40	
Woodruff	0.66	0.85					0.50	0.00	1.00				
Woodside				0.12	0.00	0.66	0.70	0.65	3.07	0.38	0.14	0.31	
Vermont.													
Bloomfield	1.43	1.50	3.21	1.22	1.08	3.39	4.53	5.49	3.89	2.75	2.10	3.18	33.77
Burlington	1.32	1.39	2.44	0.83	1.13	2.54	2.47	3.83	3.46	2.84	1.56	2.51	26.32
Cavendish	1.38	2.38	3.19	1.04	0.47	3.36	4.62	2.93	4.86	5.01		2.60	
Chelsea	1.73	2.21	2.91	0.87	0.44		4.31	5.51	3.59	4.22	1.55	2.56	
Cornwall	1.29	2.70	2.30	0.78	1.57	3.00	2.80	3.68	2.57	4.21	1.10	2.85	28.85
Enosburg Falls	1.37	1.82	3.39	0.76	1.99	3.22	2.54	3.43	4.59	2.82	3.60	3.31	32.66
Jacksonville	4.04	5.06	4.57	2.24	2.06	4.94	1.21	2.00	5.20	10.93	1.81		
Manchester	1.93	0.67	1.50	0.61	0.29	1.70	0.31	2.77	1.92	3.00	1.83	1.15	17.68
Northfield	1.25	1.61	2.07	1.10	0.99	2.36	3.41	4.46	2.53	3.96	2.17	2.01	27.92
St. Johnsbury	1.74	2.29	3.50	1.01	1.08	2.54	4.73	5.19	4.32	3.58	2.50	3.05	35.53
Wells	2.71	1.69	1.73	0.88	1.68	2.86	4.41	3.27	4.51	4.90	2.44	3.33	34.41
Woodstock	1.80	2.50	3.52	0.97	2.39	2.44	6.72	2.69	4.19	5.07	2.31	2.68	37.68
Virginia.													
Arvonia	4.61	2.01	2.09	4.08	0.67	3.61	1.06	7.92	2.23	3.92	3.94	4.23	40.37
Ashland	3.30	2.26	2.38	4.74	0.49	4.31	1.41	10.28	1.26	3.43	2.61	4.48	40.95
Bedford City							2.74	4.87	1.43	4.75	3.21	5.06	
Big Stone Gap	6.05	4.69	6.45	7.77	1.55	4.76	4.88	2.55	4.25	5.19	4.62	4.65	57.41
Blacksburg	4.13	1.84	5.08	5.63	1.75	5.36	3.70	5.34	1.31	5.74	2.72	3.07	45.67
Buchanan	3.87	2.01	2.97	2.37	1.17	4.17	3.47	5.48	1.50	5.98	2.01	3.94	38.94
Burkes Garden	5.56	2.88	4.10	5.80	1.07	4.03	3.33	3.69	3.52	6.53	3.60	3.05	47.16
Callaville		2.96			0.97	3.15	1.85	8.68	1.75	4.28	4.29	4.51	
Cape Henry	3.15	1.84	3.58	2.48	0.62	4.43	1.90	3.19	0.65	1.70	2.90	3.14	29.58
Catawba	4.68	2.12	4.65	4.96	2.04	4.10	6.68	6.56	1.75	4.26	2.35	2.96	47.11
Charlottesville	3.80	1.31	2.58	3.03	0.98	3.19	2.96	7.01	2.46	4.07	3.88	4.14	49.31
Clarksville	3.98	2.04	4.17	4.54	1.15	2.53	1.78	5.41	1.44	3.99	4.48	4.44	39.95
Columbia	3.84	1.63	1.41	3.54	0.70	4.04	1.22	10.15	2.92	3.79	4.39	4.06	41.69
Covesville					0.44	2.25	1.92	6.44	1.62	4.05	4.02	4.10	
Culpeper	3.74	1.43	2.08	3.16	0.95	5.31	1.75	8.84	3.23	3.65	3.19	3.35	40.68
Dale Enterprise	5.30	1.05	2.18	2.39	0.42	3.28	5.31	5.96	1.72	3.60	2.79	2.95	36.95
Danville	3.15	1.67	2.81	3.67	0.98	2.27	3.14	5.43	1.18	4.94	3.49	3.48	36.21
Diamond Springs	3.48	2.23	4.00	3.30	0.70	3.83	3.44	4.69	2.68	2 64	4.60	4.94	40.53
Doswell	3.18			4.44	0.33	4.37			1.99				
Eastville	4.61	2.29	3.60	3.26	1.13	2.78	1.77	4.55	1.85	3.83	4.91	4.38	38.96
Elk Knob	5.20	4.22	7.01	7.48	0.98	5.33	5.71	3.76	3.27	4.96	3.84	4.35	56.11
Fredericksburg	3.72	1.76	2.62	3.32	1.29	3.94	2.03	6.72	3.16	3.66	4.12	3.28	39.62
Hampton	2.72	2.55	4.42	3.40	0.77	5.56	2.44	4.38	0.80	1.81	5.44	3.21	37.50
Hot Springs	6.30	1.22	3.80	3.74	2.40	2.54	2.73	7.97	3.10	5.21	3.54	3.09	45.64
Ivanhoe	4.29	1.74	3.79	4.49	1.50	2.63	4.92	7.09	2.31	4.61	2.29	2.79	42.75
Ivor	4.76	2.77		4.53		3.74	2.49	5.45	1.18	3.49	5.73		
Lassiter	4.05	2.65	2.63	3.51	0.44	4.58	3.25	6.51	1.57	3.00	6.10	3.30	41.59
Lebanon	4.76	3.22	4.37	3.61	0.88	2.87	6.02	2.52	2.86	6.25	2.67	4.56	44.59
Lexington	4.18	1.32	2.83	3.05	0.75	4.49	2.33	5.91	1.78	4.43	2.63	4.01	37.71
Lincoln	3.51	1.58	2.24	2.50	0.83	4.18	1.51	8.75	2.44	3.99	2.89	2.97	37.03
Lynchburg	4.19	1.23	2.12	4.21	0.66	2.82	5.53	5.78	0.85	3.87	3.22	4.65	39.08
Marion	5.32	3.23	5.27				5.84	4.47	4.30	4.76	3.28	2.83	
Max Meadows	3.99	1.65	3.68	4.18	0.69	2.84		7.40	2.30	4.60	2.18	2.82	
Mendota	5.44	3.76	5.61	6.01	1.23	4.71	3.20	2.29	4.38	6.84	3.82	3.55	50.84
Mountain Lake								7.30	2.80	5.36	2.14	3.70	
Mount Weather	3.61	1.51	2.57	2.80	1.64	4.66	1.25	11.48	1.43	4.37	2.43	2.56	40.31
Newport News	2.78	2.71	4.98	4.37	0.63	4.57	2.60	5.44	0.65	2.94	5.39	4.37	42.33
Norfolk	2.39	2.18	3.70	3.30	0.56	3.65	5.10	5.93	0.63	2.77	4.12	4.62	38.95
Petersburg		2.33		3.92	1.57	3.14	1.57	4.97	1.20			3.98	
Quantico	2.43	1.79	2.70	2.92	0.47	3.01	3.64	7.02	2.79	6.60	2.20	0.89	36.37
Radford	3.66	1.61	4.26	3.77	1.67	5.56	4.47	5.32	1.44	5.30	1.97	3.38	42.41
Randolph	2.72	2.62	2.74			0.11	2.34	7.23	0.88	4.20	4.05	3.45	
Richmond	3.65	2.20	2.15	4.00	0.60	2.83	0.57	7.26	1.85	3.61	4.33	3.95	37.00
Roanoke	2.49	1.43	2.57	4.03	1.65	4.75	1.78	3.21	1.59	5.28	2.53	3.89	35.50
Rocky Mount	3.58	1.93	3.31	5.83	0.78	3.42	0.85	7.82	2.38	4.77	2.81	4.84	42.32
Saxe	4.00	2.52	4.59	6.32	0.96	1.28	2.61	7.10	1.22	3.90	4.02	4.29	42.81
Speers Ferry	6.08	3.99	4.79	6.75	1.40	3.00	1.87	1.64	1.10	3.00	3.08	3.78	40.46
Spottsville	4.23	3.06	2.02	5.56	2.14	2.71	1.83	5.09	2.76	3.71	5.28	5.55	43.94
Staunton	4.78	1.05	2.94	2.74	1.29	4.29	4.61	6.56	3.16	5.37	2.73	3.05	42.57
Warsaw	5.50	3.36	2.80	3.05	0.29	5.56	4.95	7.18	1.80	2.63			
Williamsburg	4.25	2.62	2.20	4.01	0.65	7.42	5.60	3.85	1.27	2.45	4.66	4.35	43.33
Woodstock	4.04	1.25	2.19	2.03	1.70	4.21	3.61	10.23	1.49	4.27	2.08	2.39	39.49
Wytheville	4.46	2.04	3.62	3.83	1.46	2.15	1.69	6.98	2.22	5.16	2.10	2.49	38.20

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington.													
Aberdeen	11.20	4.93	3.97	4.41	8.12	1.41	0.80	0.77	3.98	4.09	17.22	9.76	70.66
Anacortes	3.80	1.75	0.16	2.81	3.08	0.81	0.34	1.16	2.71	0.49	4.41	4.41	25.93
Baker	13.93	3.37	2.92	2.92	4.03	0.81	0.41	2.73	4.82	1.20	15.50	9.23	61.87
Bellingham	4.44	2.46	0.95	1.96	2.60	1.26	0.53	1.70	3.18	1.02	5.27	3.90	29.27
Bellingham (near)	3.96	1.94	1.13	2.03	2.67	0.92	0.19	1.38	3.85	1.08	6.98	4.46	30.59
Blaine	4.59	1.67	2.17	1.73	3.05	1.56	0.62	1.45	3.46	1.49	7.75	5.16	84.70
Blewett	3.45	1.90	0.60	0.13	2.28	.....	.....	.....	.....	.....	4.17	3.70	.....
Bremerton	5.08	2.48	1.06	1.11	2.78	0.54	0.14	0.07	2.08	1.20	4.19	3.33	24.06
Brewster	0.88	0.98	0.47	0.19	1.90	1.24	T.	0.41	1.18	0.20	0.61	1.64	9.70
Bumping Lake	.....	.....	.....	.....	.....	.....	0.10	0.41	1.47	0.08	3.93	5.83	.....
Cedar River	5.79	2.81	1.78	2.87	6.52	0.96	0.89	0.42	5.58	1.79	7.58	6.81	43.80
Centralia	6.11	3.31	1.97	2.90	4.52	0.87	0.14	0.37	4.36	1.26	9.17	4.37	39.35
Cheney	0.70	0.77	0.89	0.08	1.66	0.54	0.00	0.87	.....	.....	.....	.....	.....
Clealum	3.33	1.19	0.86	0.31	2.83	0.58	0.00	0.73	2.85	0.17	5.56	2.84	21.25
Clearbrook	4.21	2.24	2.30	2.08	3.75	2.43	1.54	1.93	5.39	1.18	.....	7.90	.....
Colfax	2.16	1.56	0.79	.....	1.72	0.70	0.00	0.05	1.11	0.63	.....	.....	.....
Colville	1.50	0.93	0.55	0.59	2.45	1.44	1.06	0.98	1.28	0.36	2.47	2.67	16.28
Conconully	2.57	2.55	0.66	0.23	4.34	1.95	0.03	0.70	2.09	0.15	0.88	1.92	18.07
Cowiche	.....	.....	.....	0.07	2.12	0.43	0.02	0.44	1.99	0.17	0.48	0.91	.....
Crescent	0.84	.....	0.47	0.14	1.99	1.14	0.29	1.49	0.68	0.21	1.38	1.76	.....
Davenport	0.55	0.89	0.69	0.10	1.33	0.75	0.22	1.71	1.11	0.06	1.80	1.27	10.48
Dayton	1.51	1.89	0.68	0.59	2.53	1.00	0.05	0.07	1.87	0.80	1.79	1.23	14.01
Deer Park	.....	.....	.....	.....	.....	1.27	0.49	1.23	0.97	0.25	2.32	2.34	.....
Detroit	6.24	2.37	2.00	1.54	4.35	1.15	0.61	0.14	3.20	2.13	8.42	4.84	36.99
Dixie	4.85	6.22	1.38	1.90	7.68	2.60	0.03	0.03	4.25	1.99	6.09	4.96	41.98
Dryden	1.72	0.89	0.40	0.13	1.33	0.61	0.00	0.17	1.79	0.26	6.09	4.81	18.20
Duckabush	7.16	5.06	1.15	.....	.....	2.29	0.40	0.07	.....	.....	4.67	.....	.....
Ellensburg	0.24	0.40	0.32	0.22	1.54	0.59	T.	0.20	2.76	0.23	0.25	0.82	7.57
Ephrata	1.70	.....	.....	.....	1.90	.....	0.00	1.65	.....	.....	.....	.....	.....
Forks	.....	.....	.....	.....	.....	.....	.....	0.56	5.98	4.57	23.42	9.19	.....
Fort Simcoe	7.92	.....	2.00	0.50	4.25	0.25	0.00	0.03	3.85	0.30	1.15	0.71	.....
Gerome	.....	.....	.....	.....	.....	.....	.....	0.81	1.24	0.07	1.53	2.76	.....
Goat Lake	11.41	5.46	4.95	2.80	6.72	2.00	0.67	1.20	8.25	2.24	25.77	10.24	81.71
Gold Basin	.....	6.39	5.90	4.70	9.68	2.23	1.02	1.14	7.51	.....	23.58	11.83	.....
Gold Creek	1.55	1.10	0.35	0.13	2.67	0.30	0.05	0.25	2.13	0.40	1.52	1.33	11.78
Goldendale	1.81	0.52	0.40	0.16	3.03	0.30	0.00	T.	2.57	0.35	1.09	1.10	11.33
Granite Falls	6.57	5.34	2.50	2.68	6.84	1.35	0.71	1.42	4.83	1.45	10.43	9.94	54.06
Hatton	0.61	0.57	0.64	0.06	1.19	0.72	0.02	0.26	0.92	0.21	0.63	0.85	6.68
Huntsville	1.11	1.93	0.40	0.15	1.83	0.96	0.00	0.14	2.26	0.60	1.44	1.49	12.31
Irene Mountain	0.75	0.83	0.33	0.42	3.52	1.78	0.17	1.36	1.43	0.05	0.98	1.60	13.22
Kennewick	0.49	0.86	0.31	T.	0.65	0.63	0.00	0.54	1.52	0.18	0.09	1.02	6.29
Kettle Falls	2.52	1.14	0.60	0.30	2.70	2.28	0.93	1.33	1.29	0.20	1.86	2.17	17.32
Kiona	0.64	0.71	0.63	T.	0.48	0.61	0.00	0.09	2.79	.....	.....	.....	.....
Kosmos	6.69	2.65	1.77	2.81	5.00	1.10	0.52	0.38	8.04	1.72	11.93	6.00	48.61
La Center	7.35	3.21	1.00	2.16	5.67	1.18	T.	0.53	4.85	1.08	6.03	6.15	39.21
La Crosse	1.13	1.25	0.83	0.20	3.25	0.68	T.	0.09	1.25	0.10	1.80	1.30	11.88
Lake Clealum	4.07	1.27	1.01	0.30	2.97	0.55	0.29	0.30	3.58	0.36	12.99	4.69	32.38
Lake Kachess	9.45	4.10	2.13	1.20	3.65	0.56	0.72	0.24	4.99	0.54	17.39	6.40	51.37
Lake Keechelus	8.65	3.90	2.97	1.46	2.53	0.43	0.45	0.15	6.41	1.09	12.20	7.54	47.78
Lakeside	0.70	0.92	0.48	0.29	1.21	0.49	T.	0.60	0.64	0.18	0.81	1.83	8.15
Laurel	3.22	1.95	0.83	0.93	4.31	0.30	0.00	0.05	3.90	0.47	3.44	3.68	23.08
Laurier	2.10	1.04	0.94	0.33	3.27	2.26	0.94	1.01	1.36	0.25	2.67	2.79	18.96
Lester	5.90	2.95	1.62	1.70	3.90	0.65	0.67	.....	5.99	1.29	5.34	.....	.....
Lone Tree	9.44	4.56	2.87	3.27	6.49	1.83	0.35	0.45	2.44	2.32	14.58	11.40	60.00
Lost Creek	1.00	0.64	0.66	0.50	3.37	1.90	0.14	1.78	1.23	0.10	0.61	1.65	13.58
Lucerne	.....	1.10	0.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
McConihe	.....	.....	.....	0.07	1.18	0.38	0.02	0.57	1.41	0.31	0.51	0.96	.....
McCumbers Ranch	5.70	2.40	0.50	0.70	3.50	0.10	0.00	0.00	4.20	0.90	3.40	2.50	23.90
Moses Lake	.....	.....	.....	.....	.....	.....	.....	0.32	1.13	0.28	0.15	0.91	.....
Mottinger	0.29	0.94	0.27	0.21	1.35	0.74	0.00	0.38	0.96	0.39	0.39	0.61	6.53
Mount Pleasant	5.16	1.40	1.25	0.65	3.25	1.09	0.23	0.76	2.49	1.57	5.39	2.23	25.47
Moxee	0.10	0.34	0.24	0.06	0.99	0.55	0.03	0.02	1.87	0.07	0.03	0.47	4.77
Newport	2.21	1.34	1.15	0.45	2.88	0.79	0.30	1.67	1.77	0.49	3.76	3.12	19.93
North Head	8.32	3.27	1.62	2.70	5.14	0.83	0.46	0.23	2.15	2.32	7.55	8.17	42.76
Northport	1.77	0.81	0.98	0.75	2.41	2.10	0.19	0.93	1.47	0.40	2.46	2.99	17.26
North Yakima	0.40	0.34	0.23	0.11	1.10	0.32	0.02	0.21	2.21	0.12	0.04	0.28	5.38
Nutland	1.18	0.27	0.27	0.07	0.72	0.49	0.07	0.00	1.59	0.17	0.35	0.67	5.85
Odessa	0.63	0.75	0.15	T.	1.35	0.88	0.14	0.50	1.32	T.	0.96	1.62	8.30
Olga	4.20	1.50	1.13	1.88	3.10	0.99	0.40	1.17	2.90	.....	6.41	5.05	.....
Olympia	6.99	3.70	2.32	1.64	4.09	0.70	0.18	0.22	3.84	1.21	9.89	4.61	39.39
Omak	0.95	0.75	.....	.....	.....	.....	T.	0.73	0.15	0.06	0.44	1.87	.....
Oroville	.....	.....	.....	.....	2.36	1.74	T.	0.83	0.82	.....	.....	.....	.....
Peola	1.37	1.62	0.50	0.83	2.75	1.15	0.11	0.68	1.69	1.28	3.59	1.79	17.36
Pomeroy	1.10	1.36	1.10	0.45	2.20	0.61	T.	T.	1.71	0.50	1.21	1.51	11.75
Port Crescent	5.84	1.82	1.14	1.75	2.89	1.07	0.18	0.42	2.59	1.11	6.39	3.24	28.44
Port Townsend	2.93	1.81	0.42	1.34	2.93	0.10	0.45	0.84	3.04	0.12	1.81	1.80	17.59
Pullman	1.67	2.48	1.52	0.27	2.39	0.91	0.03	0.43	0.92	0.93	3.46	2.08	17.09
Queets River	.....	.....	.....	.....	.....	3.60	1.41	0.87	3.65	4.94	21.52	12.32	.....
Quinlault	.....	.....	.....	.....	.....	2.78	0.47	0.65	8.46	4.84	27.79	17.46	.....
Republic	1.67	0.99	0.22	0.67	3.75	2.90	0.69	0.84	1.19	0.17	0.98	2.26	16.33
Rex Creek	1.78	0.50	0.25	T.	1.06	1.29	T.	0.19	2.55	.....	.....	1.50	.....
Ritzville	1.00	.....	.....	0.04	2.04	0.82	0.05	0.55	1.78	0.02	1.13	2.24	.....
Robertsville	.....	.....	.....	.....	.....	.....	.....	.....	3.55	1.28	4.43	2.55	.....
Rock Lake	1.01	0.81	0.86	0.17	1.99	0.81	0.29	1.07	1.27	0.11	2.21	1.97	12.57
Rosalia	0.77	1.08	0.74	0.38	2.64	0.64	0.22	1.37	0.81	0.29	2.24	1.67	12.80
Russells Ranch	4.55	2.90	0.62	1.05	3.52	0.23	0.18	0.06	3.90	0.53	4.27	4.07	25.88
Seattle	3.67	1.42	0.88	1.21	2.48	0.44	0.18	0.13	3.27	1.00	3.26	3.75	21.69
Sedro Woolley	7.69	3.63	1.59	2.28	5.56	1.29	0.60	2.96	5.27	1.08	13.52	9.89	55.36
Sixprong	1.23	0.40	0.27	0.32	1.02	0.69	T.	0.01	1.51	0.59	0.46	0.66	7.16
Skagit Power Dam	9.26	2.69	4.80	1.92	3.58	1.67	0.68	1.63	6.69	1.35	19.15	7.72	61.14
Snohomish	4.53	3.03	1.76	1.69	3.14	0.67	0.51	0.69	2.01	0.85	4.03	5.08	28.29
Snoqualmie Falls	5.30	3.13	2.13	2.21	6.78	0.83	1.00	0.60	5.82	1.04	8.65	7.00	44.49
Snyders Ranch	1.78	0.98	0.50	0.13	2.09	1.29	T.	0.28	1.58	0.10	3.14	1.21	13.08
South Bend	11.01	6.39	4.44	5.37	7.83	1.24	0.78	0.03	3.03	3.29	20.81	9.41	74.14
Spokane	0.51	1.08	0.83	0.19	1.33	0.75	0.25	1.16	0.75	0.39	2.58	2.04	11.86
State University	3.77	1.43	1.06	1.06	2.35	0.57	0.68	0.12	2.39	1.04	3.11	5.25	22.83
Stokes Ranch	1.90	1.14	0.48	0.11	2.72	1.34	0.15	0.72	1.33	0.20	2.12	1.40	13.61

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington—Continued.													
Sumner	3.65	1.80	1.16	1.45	3.60	0.73	0.31	0.15	4.79	1.03	4.87	4.61	28.15
Sunnyside	0.75	0.31	0.26	0.04	1.01	0.82	0.00	0.08	2.31	0.41	0.09	0.38	6.46
Tacoma	4.65	1.86	1.33	1.14	3.18	0.59	0.06	0.17	4.70	0.96	5.44	3.71	27.79
Tatoosh Island	8.07	3.77	3.20	3.03	4.25	2.05	0.44	0.35	4.14	2.78	11.12	9.38	52.58
Tieton	2.09	1.62	0.93	0.33	3.60	1.05	T.	1.22	4.14	0.45	2.57	1.67	19.67
Tonasket	0.92	0.95	0.65	0.33	2.43	0.85	0.00	0.38	0.83	0.10	.....	.....	.....
Touchet	0.31	1.46	0.27	0.34	1.75	0.78	T.	0.27	0.81	0.26	0.38	1.21	7.84
Touchet Ridge	4.68	6.90	2.57	1.95	8.60	1.93	T.	0.10	5.28	2.55	11.60	6.98	53.14
Trinidad	1.05	0.54	0.38	0.02	0.84	0.81	0.06	0.17	1.38	0.14	0.30	1.69	7.58
Vancouver	7.50	2.90	0.70	1.68	4.08	1.07	0.11	0.76	4.88	1.07	2.28	3.82	30.85
Vashon Island	4.24	2.08	1.60	1.12	3.79	0.74	0.10	0.12	3.29	1.13	6.34	4.88	29.43
Wahluke	0.65	0.50	0.84	T.	0.51	0.57	0.00	1.15	1.53	0.34	0.20	0.74	7.03
Wallace	1.96	1.79	0.55	0.31	4.60	1.54	0.10	0.96	2.65	0.29	0.81	2.12	17.68
Walla Walla	0.81	2.14	0.46	0.63	3.64	1.22	T.	0.02	1.45	0.72	1.10	1.19	13.38
Washougal	12.29	4.16	1.44	2.52	6.52	1.62	0.11	0.46	6.09	2.61	5.63	7.65	51.10
Waterville	0.79	1.17	0.38	0.20	1.84	0.67	0.00	1.46	1.50	0.37	0.95	2.03	11.27
Wenatchee, near	0.59	0.68	0.44	0.06	1.42	0.55	T.	0.48	2.60	.....	1.03	1.33	.....
White Salmon	4.78	2.36	1.01	0.80	2.81	0.33	T.	0.10	4.71	T.	5.37	3.85	26.12
Wilbur	0.77	0.34	0.22	0.21	2.06	1.15	T.	0.69	1.06	0.03	0.82	0.64	7.99
Wind River	12.47	5.63	3.08	3.53	9.87	0.50	0.01	0.30	7.87	2.98	14.55	6.70	67.49
Winthrop	2.13	1.44	0.17	0.02	3.55	1.10	T.	1.07	1.92	0.10	1.72	1.96	15.18
Yale	12.98	6.35	3.99	2.98	11.28	1.75	0.16	0.25	8.63	2.34	16.97	14.90	82.58
Zillah	.....	.....	.....	.....	0.70	0.41	0.00	T.	1.88	0.24	.....	.....	.....
Zindel	1.05	2.31	1.49	0.66	2.19	2.66	.....	1.39	0.40	1.83	0.76	0.74	.....
West Virginia.													
Bancroft	5.53	3.11	3.49	4.19	1.39	4.36	1.90	7.04	3.84	4.50	3.97	3.40	47.32
Bayard	7.62	2.38	4.29	5.20	2.71	6.65	3.18	10.85	4.97	5.05	2.76	4.32	59.98
Beckley	5.89	.....	2.37	6.26	1.70	3.83	1.67	2.76	2.54	7.20	2.32	4.07	.....
Bens Run	6.55	2.69	2.58	5.34	1.38	3.06	3.78	4.36	3.10	6.11	3.32	3.91	46.18
Bluefield	3.16	2.52	4.67	5.14	0.81	4.52	2.97	4.79	3.76	7.36	2.92	2.71	45.33
Brandonville	8.13	3.78	2.97	4.87	0.72	7.07	2.84	10.41	5.57	5.75	2.08	4.19	58.38
Buckhannon	6.58	1.98	4.34	5.19	1.47	5.19	1.24	6.98	6.16	6.36	3.01	4.12	52.62
Burlington	6.43	1.45	2.60	2.10	0.20	5.19	2.65	5.57	4.30	3.95	1.45	3.10	38.99
Cairo	3.11	0.86	1.90	2.91	1.04	3.47	1.95	4.98	4.32	3.45	1.76	1.25	31.00
Central Station	4.09	1.22	2.19	3.47	1.64	1.92	3.53	7.72	4.55	5.28	2.05	1.79	39.45
Charleston	5.32	2.51	3.62	4.53	1.37	3.13	1.84	7.45	3.15	5.15	3.94	3.25	45.26
Creston	5.15	2.00	2.57	4.79	0.83	2.88	2.60	5.26	5.48	4.23	3.57	4.52	43.88
Cuba	5.39	2.12	2.15	4.78	1.18	3.53	1.16	5.68	6.22	4.98	2.98	4.10	44.27
Davis	.....	.....	4.63	5.36	0.80	2.10	2.00	.....	.....	7.80	.....	5.58	.....
Elizabeth	4.76	2.42	2.52	4.64	1.35	4.93	1.38	5.91	4.41	4.77	3.61	4.17	44.87
Elkhorn	4.24	2.30	4.59	4.67	1.50	4.24	3.76	4.87	4.75	7.62	1.54	2.47	46.55
Elkins	8.04	2.18	4.75	5.26	2.23	4.97	3.67	10.42	6.87	6.11	2.75	3.30	60.55
Fairmont	6.25	1.91	2.52	4.28	1.28	4.89	3.50	8.14	4.37	5.03	1.89	2.15	46.21
Glenville	6.44	1.83	3.36	4.29	0.75	3.54	2.43	8.45	5.50	4.80	2.92	3.28	47.59
Grafton	8.36	2.58	2.94	4.45	1.47	4.19	5.02	11.50	5.44	5.26	1.91	3.70	56.82
Green Sulphur Springs	5.40	1.86	4.91	5.66	1.51	4.97	3.60	4.52	2.03	5.43	2.92	2.26	45.07
Harpers Ferry	3.73	1.32	1.84	2.96	0.58	3.93	3.53	8.98	3.28	3.28	1.93	2.61	37.97
Hinton	4.44	2.52	4.66	4.01	1.28	4.28	2.08	5.47	1.80	6.08	2.96	2.62	42.20
Huntington	4.52	3.92	3.59	4.00	0.90	1.90	2.02	5.82	2.64	4.32	3.34	4.10	41.07
Lewisburg	6.36	2.05	4.64	4.43	1.39	1.88	2.82	5.96	2.05	6.33	3.02	2.15	42.08
Logan	6.06	3.11	5.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lost City	4.63	0.93	1.50	3.61	1.95	3.86	0.40	6.84	3.47	4.83	1.95	2.63	36.40
Lost Creek	4.72	1.09	3.10	4.16	0.40	3.88	1.75	8.08	6.15	4.76	2.09	3.27	43.45
Mannington	7.78	2.24	3.07	5.65	1.69	3.14	4.66	6.72	5.99	4.77	2.51	4.09	52.31
Marlinton	7.21	2.23	4.77	4.48	1.35	1.97	2.07	6.54	3.61	5.96	3.66	3.55	47.40
Martinsburg	3.74	1.30	2.27	3.01	1.48	3.93	2.44	10.00	4.02	3.27	2.20	3.95	41.61
Moorefield	6.73	1.14	2.32	2.61	6.35	.....	.....	.....	5.58	5.33	1.27	2.51	.....
Morgantown	6.87	1.37	2.54	4.87	1.79	4.98	4.23	10.11	5.73	5.65	1.98	4.03	54.15
Moundsville	5.38	1.40	1.64	3.85	1.22	4.39	1.59	5.68	6.31	5.13	1.81	3.61	42.01
New Cumberland	3.63	1.62	2.38	4.17	0.87	3.40	3.20	5.01	4.70	4.30	2.40	3.56	39.24
New Martinsville	6.53	2.01	2.11	4.77	1.56	5.09	1.63	6.26	5.67	4.79	3.12	3.86	47.40
Nuttallburg	3.80	0.50	1.40	3.20	1.90	2.50	6.94	.....	4.47	4.90	1.99	.....	.....
Parkersburg	4.39	1.65	1.99	4.01	1.77	2.73	1.63	5.79	3.89	4.45	2.91	3.25	38.46
Parsons	9.73	2.45	3.54	5.58	2.60	8.25	1.68	8.45	4.50	5.00	1.81	3.25	56.84
Philippi	6.22	2.15	2.73	4.79	1.13	4.43	1.76	9.90	4.24	6.81	2.87	2.68	49.71
Pickens	12.63	2.73	7.86	6.55	0.86	6.36	3.55	5.55	8.30	8.61	5.54	4.75	73.29
Point Pleasant	4.54	3.21	2.66	4.66	1.72	6.95	1.88	5.40	4.10	4.23	3.56	4.40	47.31
Powellton	6.06	1.79	4.90	4.48	1.94	2.32	5.04	2.38	5.97	5.92	3.14	2.94	46.88
Princeton	7.30	2.90	5.35	7.00	0.20	8.50	5.45	5.00	4.15	9.65	5.50	3.30	64.30
Robertsburg	5.01	3.24	3.04	3.82	0.96	3.38	0.60	7.53	4.09	4.44	3.59	4.40	44.10
Romney	5.19	1.22	2.96	3.25	0.87	4.99	2.59	9.12	3.59	3.49	2.19	3.48	42.89
Rowlesburg	8.63	2.44	4.15	5.31	2.08	7.28	5.63	8.74	5.13	5.88	3.43	4.92	63.62
Ryan	5.98	2.23	3.37	4.23	1.31	4.49	1.97	8.36	4.77	5.50	3.54	2.93	48.68
St. Marys	5.90	2.37	2.82	4.82	1.65	3.83	2.02	6.64	2.98	5.86	3.20	4.37	46.55
Smithfield	6.69	1.25	3.99	6.25	1.92	6.33	4.11	6.32	7.89	5.59	2.74	3.08	56.16
Spencer	6.78	2.51	3.02	3.60	0.88	5.29	2.02	8.38	6.54	4.30	1.53	4.07	48.92
Sutton	5.65	1.03	3.64	3.70	1.34	5.87	3.92	5.92	.....	4.98	1.93	1.52	.....
Terra Alta	8.65	2.46	4.68	4.43	2.67	9.34	1.93	12.14	7.75	.....	.....	.....	.....
Union	5.36	1.43	.....	2.19	1.02	4.59	1.29	6.98	2.06	4.35	3.06	2.44	.....
Upper Tract	5.14	1.07	2.44	2.84	1.89	3.16	3.72	8.36	2.39	3.90	1.51	1.61	37.93
Valley Fork	.....	.....	.....	.....	.....	.....	.....	4.42	6.78	.....	3.10	.....	.....
Webster Springs	.....	.....	.....	.....	2.00	6.22	3.61	4.39	6.08	6.31	.....	.....	.....
Wellsburg	4.70	1.99	2.46	3.58	1.02	3.63	2.57	4.54	6.20	3.52	2.50	4.09	40.80
Weston	6.20	1.82	2.28	4.42	0.86	3.70	2.34	5.70	5.52	5.35	2.26	2.40	42.85
Wheeling	3.38	1.77	2.10	4.48	0.79	5.66	5.23	5.75	4.39	4.02	2.71	3.88	44.16
Williamson	4.03	2.97	3.70	5.46	2.08	3.34	1.24	2.38	2.48	7.14	3.58	3.20	41.60
Wisconsin.													
Antigo	0.75	0.64	1.16	0.54	5.47	1.96	5.56	3.76	6.01	6.56	2.34	2.10	36.85
Appleton	0.47	2.33	1.51	1.16	5.04	4.38	1.85	2.64	6.30	6.34	2.59	2.04	35.65
Ashland	1.90	1.93	1.07	0.54	4.79	1.77	6.07	2.45	3.79	2.34	1.66	1.48	28.89
Barron	0.86	0.75	0.88	1.27	3.68	4.37	3.90	2.79	6.75	7.26	1.39	2.12	36.02
Bayfield	2.70	3.20	.....	1.14	4.62	3.20	5.60	4.35	4.26	1.79	3.03	2.00	.....

Monthly and annual precipitation in inches and hundredths for 1912—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wisconsin—Continued.													
Beloit	0.69	1.98	0.17	4.40	2.71	3.95	1.40	7.71	6.70	2.32	4.13	1.14	37.30
Big St. Germain Dam	0.86	0.89	1.39	1.08	4.08	1.33	9.30	4.52	3.31	6.62	4.12	4.41	41.91
Brodhead	0.80	3.15	0.15	4.79	2.98	4.04	0.91	5.79	4.71	4.69	4.02	1.70	37.73
Burnett	0.73	2.63	0.21	1.82	4.75	4.18	1.30	3.35	5.19	4.54	3.22	1.50	33.42
Cecil	0.75	1.37	0.53	1.66	3.99	2.34	1.95	2.73	5.50	5.87	2.75	1.61	31.05
Cottage Grove	0.55	2.58	0.42	3.02	4.04	4.18	1.62	4.01	4.48	3.66	3.93	1.94	34.43
Darlington		4.95	0.40	3.00	4.05	2.93	1.90	8.45	6.05	4.00	3.25	1.60	
Deerskin Dam	0.48	0.63	1.59	0.52	7.28	0.69	7.13	4.56	2.78	5.06	3.66	2.20	36.58
Delevan	0.45	2.12	0.80	3.39	1.47	3.68	1.64	5.12	8.78	2.06	3.83	1.44	34.78
Dodgeville	0.68	2.55											
Downing	0.55		0.12	0.50	4.44	5.90	3.30	1.44	6.54	8.84	2.10	1.30	
Eau Claire	1.11	1.41	1.34	0.91	5.52	6.74	4.13	2.59	6.22	10.35	1.79	2.40	44.51
Florence	0.90	2.21	1.83	T.	4.74	2.11	7.73	5.37	2.56	4.68	2.43	2.22	36.78
Fond du Lac	0.68	2.34	0.29	1.43	5.36	2.45	1.12	1.78	3.26	4.17	3.68	2.16	28.72
Grand Rapids	2.14	0.93	2.64	1.28	6.93	5.47	2.93	4.11	7.04	6.71	2.46	2.14	44.78
Grand River Locks	0.39	2.14	0.40	1.68	5.14	3.58	2.35	2.96	4.35	5.63	4.26	1.45	34.33
Grantsburg	0.48	0.90	1.64	2.27	3.15	7.32	5.87	2.09	3.40	3.30	2.57	2.15	35.14
Green Bay	0.87	1.96	0.75	1.43	5.72	2.23	1.59	1.56	5.16	4.68	2.54	2.20	30.69
Hancock	0.65	2.25	1.38	1.23	7.40	7.12	3.13	3.81	5.81	6.89	2.54	1.95	44.16
Hatfield	1.64	1.50	2.05	2.11	7.45	5.50	5.42	4.77	6.79	7.36	1.51	3.51	49.61
Hayward	0.96	1.10	1.55	0.73	2.93	2.49	6.09	3.01	5.43	3.70	1.60	1.55	31.14
High Falls										5.94	3.22	2.22	
Hillsboro	0.93	1.45	0.64	3.00	6.37	2.48	4.20	3.78	6.65	5.01	2.12	2.15	38.78
Iron River				2.52	4.19	2.54	7.48	3.14	4.37	2.30	2.96	3.20	
Kewaunee	0.88	3.09	2.43	2.14	4.65	2.96	2.00	2.44	6.19	4.80	3.34		
Koepenick	0.96	1.90	2.80	1.40	4.82	1.80	6.25	5.05	5.90	6.47	4.30	2.80	44.45
Lac du Flambeau	0.57	1.50	2.07	1.81	4.57	1.12	6.48	4.07	3.61	6.08	2.03	2.63	36.54
La Crosse	0.79	1.69	0.87	1.20	5.20	2.05	2.58	3.49	5.00	6.39	2.55	3.02	34.83
Lake Mills	0.93	1.99	0.49	2.95	2.96	2.82	0.84	4.29	6.07	5.10	4.71	1.66	34.81
Lancaster	0.98	2.86	0.80	3.52	5.74	3.49	3.80	8.84	3.43	4.16	2.54	2.25	42.35
Long Lake	0.81	1.31	1.76	0.59	4.88	1.67	6.96	4.90	2.74	6.06	1.99	2.13	35.80
Madison	0.60	3.40	0.47	2.44	2.63	3.64	1.68	3.78	5.85	2.92	3.56	1.75	32.72
Manitowoc	0.70	1.43	1.01	1.97	3.32	5.24	2.71	3.28	5.78	6.00	3.33	2.24	37.01
Mather					7.49	6.07	2.90	3.40	6.32	8.32	2.40	1.91	
Mauston	1.70	2.42	0.36	2.15	7.12	3.90	2.74	3.71	5.58	6.02	2.15	1.50	39.35
Meadow Valley	0.51	0.35	1.89	1.51	6.39	5.53	3.39	3.65	6.07	8.50	2.58	1.90	42.27
Medford	0.95	1.10	1.20	0.75	5.60	3.25	6.48	2.84	7.32	8.80	2.60	2.85	43.74
Menasha	0.65	1.80	0.49	1.31	3.95	3.85	1.73	1.74	9.12	4.15	2.73	0.78	32.30
Menomonee Falls	1.06	2.75	0.49	3.28	2.00	3.37	1.23	3.67	6.46	3.55	3.31	2.10	33.27
Merrill		1.16				1.90	5.69	2.54	7.24	8.77	2.23	2.91	
Milwaukee	1.24	1.98	0.42	3.62	1.82	2.34	0.62	1.99	4.31	3.89	2.49	1.53	26.25
Minocqua	0.74	1.05	1.41	1.39	3.84	1.70	7.92	4.03	3.51	6.25	1.96	1.74	35.54
Mondovi	0.72	1.43	1.29	1.14	5.86	6.31	3.13	4.62	4.46	7.93	1.13	1.89	39.91
Mount Horeb	0.74	3.39	0.82	3.66	3.33	4.15	4.09	5.05	4.58	3.64	3.35	1.96	38.76
Muscoda	1.38	2.32	0.51	2.70	3.72	2.12	2.16	4.87	4.95	4.89	2.41	1.55	33.58
Neillsville	1.10	1.52	1.87	1.66	7.56	6.49	3.81	3.90	8.11	8.40	1.42	3.03	48.87
New London	0.75	2.30	1.69	1.74	6.00	3.37	1.72	3.15	6.24	6.22	2.65	2.89	38.72
New Richmond	0.90	0.90	1.40	2.35	2.59	8.09	4.47	3.72	4.31	7.17	2.09	2.27	40.26
Oconto	1.40	2.00	0.95	1.36	5.74	1.87	3.30	1.73	5.93	4.55	2.19	3.97	34.99
Osceola	0.68	0.80	0.41	1.37	2.93	5.06	4.87	1.53	7.01	6.72	1.46	1.80	34.64
Oshkosh	0.50	2.26	0.61	1.93	4.64	4.57	1.34	2.60	5.61	4.91	2.96	1.74	33.67
Park Falls	0.52	1.17	1.55	0.77	3.10	1.35	5.40	3.84	3.90	4.46	1.45	2.18	29.69
Pine River	0.62	1.82	1.20	1.73	5.65	5.10	2.00	4.44	6.20	7.11	3.22	2.35	41.44
Plum Island	2.37	1.00	0.95	1.83	5.61	1.31	4.01	3.43	3.55	4.66	3.31	2.30	34.33
Plymouth	0.58	3.20	0.61	2.62	2.89	2.99	1.20	4.81	5.33	4.72	3.65	1.87	35.47
Portage	0.43	2.40	0.45	2.31	6.16	2.85	1.37	2.84	5.50	4.92	2.71	1.97	33.91
Port Edwards	1.64	0.90	1.33	1.38	6.68	5.92	3.23	3.92	6.43	6.56	2.51	4.25	44.75
Port Washington	1.50	3.48	0.60	3.84	1.33	4.08	0.52	2.72	4.77	2.63	3.28	1.87	30.62
Prairie du Chien	0.65	2.27	0.53	2.06	4.83	1.91	3.22	8.00	2.78	5.00	2.27	2.42	35.94
Prairie du Sac				2.06	4.50	3.73	3.82	4.83		3.35	2.82	1.53	
Prentice		0.75	1.57	2.02	4.53	2.07	4.69	1.71	4.47	6.87	2.27	2.34	
Racine	0.61	1.83	0.52	3.35	2.38	2.56	0.97	5.54	4.99	4.11	3.56	1.40	31.82
Rhinelander	0.66	1.17	1.46	1.18	5.89	2.45	9.31	3.29	4.45	8.87	1.72	1.97	42.42
Ripon	0.72	1.55	0.05	1.46	5.72			3.35	3.32	5.49	3.78	1.93	
Sheboygan	0.67	3.19	0.53	2.86	2.29	3.34	0.96	4.88	5.83	5.12	4.00	2.65	36.32
Shullsburg	0.55	4.17	0.79	2.57	3.95	3.16	2.51	10.12	4.74	4.67	3.26	1.19	41.68
Solon Springs	0.43	1.30	0.43	1.60	3.80	2.80	6.70	2.40	2.95	2.90	1.60	1.50	28.41
Spooner	0.43	0.55	0.44	0.86	2.94	3.86	4.28	2.52	4.82	3.60	1.68	1.55	27.53
Stanley	0.91	0.94	1.04		4.60	4.02	5.32	2.42	6.04	10.02	1.98	1.81	
Stevens Point	1.34	0.65		0.77	5.99	2.84	4.93	5.03	5.22	6.62			
Sturgeon Bay	1.03	2.21	1.15	2.36	5.69	2.09	2.85	1.96	5.10	6.09	3.67	3.16	37.36
Sugar Camp Dam	0.53	0.88	1.32	0.24	3.67	0.69	5.64	7.07	3.03	6.63	1.82	2.36	33.88
Superior	0.55	1.00	0.96	0.90	4.67	2.75	7.19	3.32	3.25	1.73	1.50	1.00	28.82
Twin Lakes Dam	0.30	0.98	1.30	0.50	5.54	0.97	7.32	6.43	2.37	5.40	2.45	2.15	35.71
Valley Junction	0.87	1.34	1.80	3.09	8.16	8.58	4.29	4.47	8.26	9.19	2.26	1.85	54.10
Viroqua	0.81	1.61	0.64	1.91	5.59	2.14	3.06	4.22	4.83	7.84	3.10	2.49	38.24
Vudesare	1.48	1.83	2.72	0.36	4.32	1.44	6.50	5.98	2.59	5.21	4.03	2.80	39.26
Watertown	1.19	3.29	1.13	2.61	3.19	3.20	1.01	2.17	5.76	2.76	4.27	1.27	31.85
Waukesha	0.29	2.50	0.42	3.08	1.80	2.78	3.30	2.33	4.78	3.58	4.17	1.53	30.56
Waupaca	0.73	1.83	1.73	1.54	5.78	4.28	3.14	3.55	7.28	7.42	2.69	2.68	42.65
Wausau	0.98	0.87	1.70	0.76	6.03	3.01	4.53	3.65	6.48	8.78	2.57	1.80	41.16
Weyerhauser	0.59	0.81	1.43	1.12	3.85	2.64	4.58	2.13	7.04	7.08	2.22	2.30	35.79
Whitehall	0.85	1.30	1.40	2.00	6.90	2.13	3.00	4.00	5.30	9.30	1.51	4.00	41.69
Wyoming.													
Afton	2.70	1.13	0.82	1.30	1.62	1.37	0.57	0.00	1.45		1.39	0.65	
Alta	4.48	0.68	0.72	2.06	3.95	3.58	0.72	0.21	1.38	2.08	1.87	1.66	18.00
Arapahoe						1.53	0.12	0.22			0.18	0.46	
Barnum	0.65	0.27	T.	1.09	2.04	1.25	0.65	0.85	T.	1.25	1.23	0.26	9.54
Basin	0.08	T.	0.00	1.03	1.44	0.34	0.13	0.28	0.30	0.54	0.34	0.11	4.59
Battle Mountain					0.03	2.25		0.73			0.34	0.61	
Bedford	3.64	1.22		1.25	2.36	1.68	0.39	0.00	0.73	0.51	1.37	1.23	
Bennett	1.34	0.95	0.43		0.53	2.14	0.28	1.03	1.45	3.19	0.69	0.59	
Big Creek		1.64	0.14	1.32	0.88	1.54	1.02	1.61	1.17	2.80		0.85	
Border	1.23	1.03	0.87	1.26	1.45	0.90	0.07	0.00	1.19	1.20	1.04	0.47	10.71
Burns						2.95	2.60	0.58					

Monthly and annual precipitation in inches and hundredths for 1911—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wyoming—Continued.													
Casper	0.50	1.40	0.30	2.10	2.06	1.15	0.56	0.04	0.16	2.28	0.95	1.05	12.55
Centennial	2.02	1.81	1.26	0.88	0.55	2.43	1.06	0.97	0.59	2.04	1.33	0.18	14.39
Cheyenne	0.49	0.56	0.16	1.93	0.33	1.64	1.21	1.35	1.35	0.95	0.59	0.29	10.85
Chugwater	1.05	0.60	0.40	0.80	0.06	1.14	0.84	0.58	0.82	1.49	0.60	0.50	8.88
Clark	1.56	0.16	0.32	0.91	1.54	0.33	0.83	1.17	1.36	0.60	1.91	0.10	10.79
Cody	0.40	T.	T.	1.05	T.	.....	0.35	0.85	0.55	0.22	.....	0.03	.....
Cokeville	0.84	1.01	1.25	1.54	1.25	0.99	0.48	0.06	0.96	0.86	1.18	0.37	10.79
Crazy Creek	3.05	0.25	0.49	0.43	2.02	2.98	1.58	0.67	2.05	1.71	2.61	0.18	18.02
Daniel	.....	.....	0.20	2.10	0.82	1.25	0.13	0.30	0.78	1.68	1.30	0.40	.....
Dome Lake	3.35	0.95	1.20	3.00	3.14	.....	2.50	1.70	2.26	2.25	1.75	1.40	.....
Douglas	0.59	0.47	0.30	2.38	2.16	2.30	0.26	0.85	0.76	1.90	0.48	0.58	13.05
Dubois	0.60	0.80	0.21	0.75	2.09	3.35	0.55	T.	1.49	0.41	1.15	0.10	11.50
Eaton's Ranch	2.70	2.10	0.20	1.11	2.78	1.30	0.98	0.90	1.15	1.57	2.30	0.80	17.89
Echeta	1.15	0.20	0.10	1.72	1.71	1.36	0.50	1.59	0.49	2.02	2.13	1.70	14.67
Eden	1.12	0.14	0.29	0.75	0.17	1.66	0.25	0.44	0.63	0.57	0.21	0.11	6.34
Elk Mountain	2.25	2.14	1.36	1.14	1.19	2.72	0.63	0.94	1.65	2.03	2.06	1.72	19.83
Encampment	1.33	0.99	0.41	1.22	0.32	1.26	1.15	0.74	0.98	2.38	0.48	0.10	11.36
Ervay	0.87	0.79	0.57	0.87	1.77	2.74	.....	.....	1.23	0.97	0.67	0.90	.....
Evanston	1.94	1.51	2.15	2.09	1.07	1.85	0.70	0.00	1.26	1.33	1.25	0.45	15.60
Fort Laramie	0.70	0.66	0.03	1.13	0.53	1.60	0.47	0.37	0.33	0.97	1.10	0.65	8.54
Foxpark	.....	.....	.....	[1] 1.25	0.40	2.67	1.39	1.28	1.31	0.40	2.80	1.23	.....
Germania	.....	.....	.....	.....	1.04	0.36	0.52	0.13	0.23	0.45	0.30	0.25	.....
Gillette	0.65	0.40	0.32	1.25	0.91	0.72	1.25	0.64	0.84	2.04	1.80	2.00	12.82
Green River	0.24	0.56	0.24	0.24	0.05	0.41	0.05	0.04	0.39	1.52	.....	.....	.....
Horse Creek	.....	.....	.....	.....	3.42	3.87	1.08	.....	1.48	.....	.....	.....	.....
Hunter's Station	1.38	0.57	0.51	2.16	2.65	3.44	1.73	0.63	0.73	1.11	1.32	0.41	16.64
Hyattville	0.60	.....	.....	0.33	0.15	.....	0.04	.....	.....	.....	0.26	.....	.....
Jireh	0.55	0.20	0.90	1.52	1.30	1.14	1.90	1.13	0.46	2.96	1.00	1.40	14.46
Kirtley	0.54	0.19	0.17	1.11	1.07	1.54	0.88	0.85	0.15	1.82	0.30	0.57	9.19
Kirwin	.....	.....	.....	.....	.....	4.09	1.26	0.80	1.29	0.70	.....	.....	.....
Knowles	0.36	0.25	1.20	1.18	1.40	0.97	1.19	1.79	1.67	0.86	1.89	1.25	14.01
Lagrange	0.77	0.16	0.03	1.38	1.06	1.63	0.96	1.08	0.86	2.64	0.30	0.50	11.37
Lander	0.23	2.32	0.25	0.88	0.93	2.04	1.03	0.22	0.22	0.73	0.68	0.84	10.37
Laramie	0.88	0.15	0.20	1.02	0.30	1.26	2.31	0.83	0.64	1.36	0.39	0.57	9.91
Leo	.....	.....	0.59	0.72	0.78	.....	.....	.....	.....	.....	.....	.....	.....
Lolobama Ranch	1.99	0.25	0.30	0.22	.....	.....	0.36	0.16	0.42	0.40	0.49	0.11	.....
Lovell	0.15	T.	0.06	1.32	1.14	0.37	1.07	0.41	0.42	0.48	0.54	0.17	6.13
Lusk	0.42	.....	0.40	0.80	1.52	0.96	1.29	1.02	0.95	0.64	.....	0.50	.....
Manville	1.20	0.70	0.55	2.30	1.32	2.17	1.10	1.15	0.36	2.36	0.53	0.69	14.43
Moran	.....	.....	2.39	2.72	0.72	1.80	0.37	0.25	1.37	.....	3.54	0.79	.....
Moorcroft	.....	.....	.....	.....	.....	.....	.....	1.75	0.54	1.61	1.43	2.10	.....
Moore	.....	0.72	0.17	0.21	0.14	1.79	1.53	0.75	0.25	1.14	0.58	0.50	.....
Newcastle	0.75	0.70	0.40	1.89	0.65	0.58	0.58	3.69	0.41	2.34	1.52	0.90	14.41
Pathfinder	0.15	0.22	0.09	1.63	1.25	0.73	0.81	0.11	0.54	1.37	0.52	0.45	7.87
Phillips	1.05	.....	0.40	1.40	T.	.....	.....	.....	.....	.....	.....	.....	.....
Pinebluff	.....	.....	.....	.....	1.42	3.12	1.48	0.65	2.43	2.78	0.31	0.66	.....
Pinedale	0.82	0.20	0.21	0.18	0.02	0.84	.....	0.02	0.72	0.72	0.57	0.32	.....
Pine Ridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.77	1.75	1.05	.....
Powell	0.13	0.00	0.02	0.98	0.80	1.33	0.82	0.51	0.67	0.39	0.31	0.01	5.97
Rambler	.....	.....	.....	.....	.....	1.06	.....	1.23	3.97	.....	.....	.....	.....
Rawlins	1.04	2.10	0.83	0.78	0.74	1.26	0.57	0.08	1.46	2.04	1.14	0.95	12.99
Riverton	.....	.....	.....	.....	.....	.....	1.60	1.00	0.26	0.94	0.17	0.26	.....
Rockypoint	.....	.....	.....	.....	.....	1.33	1.16	3.19	1.56	1.67	1.69	.....	.....
Saratoga	1.08	0.50	0.20	0.76	0.28	1.98	0.15	1.12	1.33	2.20	0.67	0.27	10.54
Seven-Mile Creek	.....	.....	.....	.....	.....	1.83	0.99	1.40	.....	1.69	0.65	0.11	.....
Sheridan (Weather Bureau)	1.39	0.40	0.30	0.75	1.22	1.66	0.80	1.24	1.54	1.22	0.58	0.54	11.64
Sheridan (Brundage)	.....	0.40	0.20	0.83	0.90	1.28	0.50	1.19	0.96	1.14	0.58	0.54	.....
Shoshone Dam	0.32	T.	T.	0.33	0.63	1.70	0.42	0.53	0.52	0.31	0.73	.....	.....
Soldiers' Home	1.54	1.10	0.70	1.55	2.42	1.44	0.95	0.60	0.49	1.12	1.00	0.90	13.81
South Pass City	3.06	2.19	0.74	0.50	1.22	1.45	1.09	0.37	1.42	1.23	1.90	0.68	16.45
Sundance	.....	.....	.....	.....	.....	.....	.....	.....	0.83	1.35	2.23	2.20	.....
Thermopolis	0.18	0.45	T.	0.96	1.38	1.77	0.29	0.36	0.58	0.81	0.71	0.65	8.14
Valley	0.59	0.13	0.06	0.47	1.78	1.82	0.52	.....	.....	.....	.....	.....	.....
Verona	1.31	0.60	0.60	0.50	2.22	1.40	0.85	1.24	1.60	2.00	0.70	1.00	14.02
Wheatland	.....	.....	.....	.....	.....	1.45	1.14	0.43	0.39	1.33	0.08	0.21	.....
Wiant's Ranch	1.47	0.96	0.41	0.69	0.93	1.92	0.66	0.59	1.40	1.66	0.30	0.67	11.66
Wiley	.....	.....	.....	.....	.....	1.23	0.85	0.62	0.40	0.75	0.75	0.12	.....
Willow Creek Cabin	.....	.....	.....	2.27	1.92	3.32	.....	.....	1.45	3.39	.....	0.92	.....
Woodrock	.....	1.33	2.08	.....	4.74	1.91	2.84	1.72	2.01	2.36	5.00	2.13	.....
Worland	.....	0.15	0.02	0.85	1.16	0.45	0.58	0.20	0.20	0.64	0.39	0.25	.....
Wyncote	0.50	0.12	0.02	2.04	0.84	2.70	0.75	0.80	0.75	2.06	0.10	0.43	11.11
Yellowstone Park	4.56	1.10	0.95	1.40	2.19	2.20	0.97	0.66	1.11	1.17	2.33	1.01	19.65
1. Bechler River	6.05	2.70	.....	1.00	1.10	.....	0.04	0.62	2.01	6.94	4.48	4.95	.....
2. Fairview Dome	3.35	0.50	0.47	1.08	1.55	2.53	0.96	0.71	1.51	0.84	2.23	0.70	16.43
3. Fountain	4.44	0.91	0.80	0.85	2.48	1.45	0.10	0.15	0.01	0.55	2.93	1.21	15.98
4. Gallatin River	3.14	0.85	0.47	0.81	0.75	.....	0.60	0.80	0.39	1.20	2.01	3.45	.....
5. Grand Canyon	4.87	1.12	1.01	1.78	2.19	3.63	0.95	0.40	1.67	1.77	2.48	1.75	23.62
6. Lake Yellowstone	3.08	0.96	1.20	1.80	1.46	2.85	0.91	0.21	1.42	1.05	1.90	0.85	17.69
7. Norris	5.70	0.60	1.93	2.24	2.92	2.26	0.46	0.68	0.61	1.35	2.79	1.06	22.62
8. Riverside	4.21	1.90	.....	.....	0.12	3.95	1.95	1.15	0.55	1.11	2.95	.....	.....
9. Snake River	8.50	0.60	1.60	1.30	3.20	3.10	0.02	0.40	1.90	1.73	5.60	0.83	28.37
10. Sylvan Pass	2.75	T.	1.39	2.15	3.82	3.33	1.02	0.94	2.57	1.79	4.10	0.60	24.46
11. Thumb	7.74	1.51	0.92	0.91	1.33	0.90	0.83	0.18	1.00	1.62	2.67	1.05	20.72
12. Tower Falls	3.60	1.00	0.80	0.11	0.13	2.53	1.16	0.22	1.24	0.70	1.04	1.10	13.63
13. Upper Geyser Basin	5.70	0.84	1.02	0.95	2.35	1.96	T.	T.	1.55	0.90	2.19	1.87	19.33

[1] Estimated partly from Centennial Report.

SNOWFALL, 1911–1912.

Monthly and seasonal snowfall, 1911–1912.

NOTE.—Leaders under heading of months indicate no snow; under annual, report incomplete; T., a trace; *, no report.

[Inches and tenths.]

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Alabama.										
Anniston			T.		1.5	0.7				2.2
Ashville					1.0	1.0				2.0
Auburn										0.0
Bermuda					T.					T.
Birmingham			T.		1.0	1.4				2.4
Decatur			T.		1.0	2.2				3.2
Florence			T.		1.2	2.5				3.7
Greensboro					T.					T.
Hamilton					1.0					1.0
Highland Home										0.0
Mobile										0.0
Montgomery					T.	T.				T.
Newbern					0.2					0.2
Oneonta					1.0	2.5				3.5
Union Springs						T.				T.
Valley Head			T.		1.0	6.5				7.5
Arizona.										
Allaires Ranch				5.9		9.5				15.4
Alpine			(*)	(*)	1.2	(*)	(*)	3.0		
Benson				4.5		6.0				10.5
Bisbee				10.0		6.0	3.0			19.0
Bowie						0.8				0.8
Canille				9.4		16.5	4.0	T.		29.9
Cavecreek				0.5						0.5
Chin Lee			T.	1.5	0.5	T.	2.5	0.5	T.	5.0
Clifton				T.						T.
Cochise				3.5		12.0				15.5
Columbia				3.5						3.5
Courtland				7.5		2.0	1.5			11.0
Dos Cabezos				21.0		11.0	3.0	2.0		37.0
Douglas				5.0		2.0	T.			7.0
Dudleyville				T.		1.0				1.0
Fairbank				5.0		8.5				13.5
Flagstaff (Weather Bureau)			T.	11.2	0.7	0.3	41.4	21.5	T.	75.1
Flagstaff (Forest Service)			T.	16.3	2.0	(*)	35.0	2.0		
Fort Apache				10.5	T.	0.3	2.5	3.0		16.3
Fort Huachuca				4.0		8.0	0.8	(*)		
Globe				6.0		T.		1.0		7.0
Grand Canyon			T.	10.0	2.0	2.5	(*)	13.0	T.	
Granite Reef Dam				T.						T.
Hereford				7.0						7.0
Holbrook			(*)	(*)		0.5	2.0	6.0		
Jerome				1.0	T.	T.	2.0			3.0
Keams Canyon			T.	6.5	1.5	T.	8.5	4.0		20.5
Lakeside				9.2	T.	4.1	10.6	11.0	T.	34.9
Lewis Springs				(*)		11.0				
McNeal				2.5		1.0				3.5
Naco				5.5		5.0	1.0			11.5
Natural Bridge				11.0	T.	T.	1.0	10.0		22.0
Osborn				4.5		2.0	1.0			7.5
Paradise				10.0		1.0		1.0		12.0
Payson				10.0		0.5	3.0	1.2		14.7
Phoenix				T.						T.
Pinal Ranch				11.5		T.	15.5	9.0		36.0
Pinto				(*)	0.5	2.0	5.0	6.5	T.	
Prescott				2.4	T.	T.	(*)	(*)		
St. Michaels				6.5	T.	1.0	5.5	2.5		15.5
Silverbell				T.						T.
Snowflake				11.0		T.	1.0	T.		12.0
Supai				(*)		T.				
Thatcher				6.0		4.0				10.0
Tombstone				11.0		7.0	1.0			19.0
Truxton				4.5		T.	(*)	(*)	(*)	

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Arizona—Continued.										
Tuba				0.5	T.	T.	4.0	0.5		5.0
Tucson				1.5		T.				1.5
Vail				11.0		5.0		0.5		16.5
Walnut Grove				5.0				3.0		8.0
Wickenburg				0.5						0.5
Willcox				8.0		9.0	0.2			17.2
Williams				9.0		1.0	29.0	16.0		55.0
Winslow				2.0						2.0
Arkansas.										
Alicia					7.0	7.0				14.0
Arkadelphia (near)						0.5				0.5
Batesville				T.	6.0	8.0	T.			14.0
Bee Branch					2.0	4.0				6.0
Bentonville			2.7	12.9	4.9	16.0	3.8	T.		40.3
Bergman			T.	2.0	3.5	25.0	2.0			32.5
Black Rock					3.3	8.0	1.0			12.3
Brinkley					2.1	T.				2.1
Calico Rock					5.0	14.0				19.0
Camden					T.	T.				T.
Centerpoint						T.				T.
Clarendon					0.8	0.5				1.3
Conway					2.0	1.0	T.			3.0
Corning					11.8	4.9	0.6			17.3
Dardanelle					1.0	2.0				3.0
Dodd City			0.5	1.5	3.0	31.0	T.			36.0
Dutton			T.	3.0	1.0	7.0	T.			11.0
Eldorado					T.					T.
England			T.		0.5	1.0	T.			1.5
Eureka Springs			2.0	7.0	0.4	20.5	T.			29.9
Fayetteville			1.0	8.0	3.5	10.2				22.7
Fordyce					1.5					1.5
Fort Smith			T.		0.4	3.7				4.1
Hardy		T.	T.	T.	3.9	11.8	0.5			16.2
Helena					2.5	3.0				5.5
Hot Springs					T.	T.	T.			T.
Jonesboro			T.		3.8	4.3				8.1
Junction						T.				T.
Lake Farm			T.			0.2				0.2
Lewisville					T.					T.
Little Rock			T.		0.6	0.9				1.5
Lutherville			T.		1.5	2.5				4.0
Malvern			T.		T.	T.				T.
Mammoth Spring			0.1		5.0	10.3	1.1			16.5
Marked Tree			T.		5.2	1.0	T.			6.2
Mena			T.			2.5				2.5
Newport					2.6	3.8				6.4
Pine Bluff						0.2				0.2
Pocahontas					9.0	8.0	1.0			18.0
Pond			1.0	10.0	2.5	12.5	T.	T.		26.0
Portland					T.					T.
Prescott						T.				T.
Rogers			1.0	7.0	3.4	12.4	2.1	T.		25.9
Springbank					0.6					0.6
Stuttgart					T.	T.				T.
Subinco			T.			2.5				2.5
Swain		T.	T.	2.0	1.3	15.7	1.3			20.3
Texarkana					T.	T.				T.
Wiggs			T.		T.	0.2	T.			0.2
Wynne					2.5	0.5				3.0
California.										
Abertine			7.5	31.0	47.0	9.5	67.0	40.0	24.0	226.0
Alturas			0.5	10.0	4.0		20.0	18.0		52.5
Bear Valley No. 1			4.0	48.0	22.0		36.5	27.0	13.0	150.5
Bear Valley No. 2							12.0	6.0		18.0
Bear Valley Dam					3.0		54.0	23.0		80.0
Bishop Creek		2.0	10.0	13.0	8.0		30.0	37.0	16.0	122.0
Blue Canon		2.0	1.0	38.5	28.0		40.8	33.0	13.0	156.3

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
California—Continued.										
Boca	.....	0.1	1.5	26.2	11.0	T.	35.0	15.4	8.0	99.2
Bowman's Dam	.....	.....	12.0	47.0	30.0	1.0	68.5	43.0	17.0	218.5
Bunker Hill	.....	.....	15.0	30.0	39.0	.....	46.0	63.0	38.0	231.0
Burney	.....	.....	.....	17.0	1.5	.....	2.0	2.0	.....	22.5
Camptonville	.....	.....	.....	34.0	12.0	.....	16.0	11.0	.....	73.0
Cedarville	.....	.....	6.5	15.5	7.0	1.0	18.0	7.0	.....	55.0
Chester	.....	.....	1.5	25.2	16.0	3.3	29.5	13.0	3.0	91.5
Cisco	.....	5.0	12.0	50.0	44.0	1.0	68.0	60.0	29.0	272.0
Clover Valley	.....	.....	4.0	19.0	8.0	.....	12.0	7.0	.....	50.0
Cuyamaca	.....	.....	.....	4.5	.....	.....	23.2	22.0	.....	49.7
Daunt	.....	.....	.....	33.0	7.0	2.0	40.0	40.0	.....	106.0
Deer Creek	.....	.....	.....	33.0	16.0	.....	29.0	20.0	1.0	99.0
Dorsey's	.....	3.0	17.0	48.0	43.0	2.0	45.0	29.0	25.0	212.0
Downieville	.....	.....	.....	31.5	9.0	.....	5.0	7.0	T.	52.5
Eagle Lake	.....	.....	5.0	6.0	5.7	1.0	30.0	13.0	.....	57.5
Emigrant Gap	.....	3.0	5.0	37.0	31.0	T.	21.0	36.0	22.0	185.0
Fordyce Dam	.....	4.0	26.0	52.0	67.0	3.0	72.0	54.0	33.0	314.0
Fredalba	.....	.....	.....	24.6	1.0	.....	39.0	36.0	.....	99.6
Gilta	.....	.....	5.0	61.0	4.0	.....	36.0	3.0	.....	105.0
Glennville	.....	.....	T.	10.0	T.	T.	2.0	6.0	.....	18.0
Greenville	.....	.....	T.	29.0	14.0	.....	28.0	2.5	.....	73.5
Hetch Hetchy	.....	T.	.....	20.5	6.5	T.	12.0	6.0	.....	45.0
Holcomb	.....	1.0	T.	12.0	1.0	T.	66.4	17.0	.....	97.4
Inskip	.....	1.0	1.0	36.5	26.3	T.	57.0	22.8	7.0	151.6
Lake Eleanor	.....	.....	1.5	42.5	21.0	.....	56.0	29.5	.....	150.5
La Porte	.....	5.0	2.0	38.2	35.5	2.8	61.2	53.3	22.0	220.5
Letter Box	.....	8.0	9.0	55.0	48.0	4.0	105.0	42.0	35.0	306.0
Long Valley	.....	.....	.....	7.0	5.0	T.	8.0	1.0	1.0	22.0
McCloud	.....	.....	2.0	19.8	2.5	T.	26.0	12.0	T.	62.3
Madeline	.....	.....	2.0	18.0	9.9	3.0	24.5	19.0	3.0	79.4
North Bloomfield	.....	.....	.....	21.0	.....	.....	4.5	4.0	.....	29.5
North Fork	.....	.....	.....	13.1	1.0	.....	7.5	.....	.....	21.6
Pilot Creek	.....	T.	T.	35.0	16.5	T.	29.5	35.0	.....	116.0
Prattville	.....	.....	.....	25.5	6.8	2.0	24.0	2.0	8.0	68.3
Quincy	.....	.....	.....	25.5	6.5	T.	8.5	1.0	.....	41.5
Sierra City	.....	.....	2.0	47.0	18.5	.....	24.0	13.0	.....	105.4
Sierraville	.....	.....	1.0	24.0	8.0	.....	18.0	T.	2.0	53.0
Sisson	.....	.....	0.5	22.0	0.5	0.2	43.5	12.0	2.0	80.7
Squirrel Inn	.....	.....	.....	6.8	1.0	T.	27.0	24.0	.....	58.8
Stirling City	.....	.....	0.2	27.0	2.0	.....	20.0	12.5	.....	61.7
Summit	T.	3.0	20.0	66.0	70.0	3.0	61.0	35.0	18.0	277.0
Table Rock	.....	.....	9.0	41.0	39.0	2.0	68.0	46.0	.....	205.0
Tamarack No. 1	2.0	14.5	36.5	62.0	47.0	6.0	61.0	80.0	35.0	348.0
Tamarack No. 2	.....	.....	15.0	73.0	57.0	.....	69.0	50.0	.....	264.0
Towle	.....	.....	.....	31.0	13.0	.....	24.0	13.0	.....	81.0
Truckee	.....	.....	6.0	42.0	18.0	.....	59.0	18.0	.....	143.0
Weitchpec	.....	.....	2.0	31.0	1.0	.....	T.	0.5	.....	34.5
West Branch	.....	.....	T.	36.4	5.0	.....	21.8	14.5	.....	77.7
West Point	.....	.....	.....	34.0	.....	.....	7.7	.....	.....	41.7
Yosemite	.....	.....	.....	23.0	10.0	.....	12.0	21.0	.....	66.0
Colorado.										
Akron	.....	(*)	3.0	8.0	0.2	25.0	(*)	.....	(*)	.....
Albion Lake	1.5	28.5	(*)	15.5	55.0	88.0	80.0	59.0	60.0	.....
Arriba (near)	.....	10.5	2.5	7.0	.....	10.0	T.	4.2	3.0	37.2
Ashcroft	.....	4.0	27.0	11.5	26.0	17.0	65.0	15.5	16.0	182.0
Auldhurst	.....	8.0	8.8	10.8	3.2	15.2	9.5	20.0	43.0	118.5
Bennett (near)	.....	T.	4.0	5.3	(*)	(*)	6.8	12.0	10.0	.....
Boulder	.....	8.0	10.0	(*)	(*)	(*)	(*)	T.	7.0	.....
Breckenridge	T.	10.5	10.0	2.7	18.0	13.1	23.6	10.5	1.0	89.4
Buena Vista	T.	13.0	7.0	5.0	T.	7.5	13.5	4.0	1.5	51.5
Buford	.....	.....	27.0	14.3	26.5	16.8	22.5	13.0	.....	120.1
Burlington	.....	(*)	3.0	15.0	(*)	8.0	9.0	.....	.....	.....
Calhan	.....	7.0	6.5	18.0	1.5	11.5	10.5	8.0	11.5	74.5
Canon City	.....	10.5	3.5	10.0	2.0	5.2	16.7	1.0	4.0	52.9
Cascade	.....	9.5	(*)	(*)	21.5	11.0	97.9	17.5	4.0	.....
Cassells	.....	3.8	6.8	6.7	4.7	12.3	12.5	15.2	0.8	62.8
Castle Rock	.....	6.5	9.5	17.5	7.5	23.5	11.5	6.0	2.0	84.0
Cedaredge	.....	.....	3.0	3.2	2.0	6.5	22.3	3.0	4.0	44.0

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Colorado—Continued.										
Cheesman	.....	10.0	10.0	(*)	2.5	12.5	8.5	7.0	18.5	.....
Cheyenne Wells	.....	5.0	2.0	12.0	T.	10.5	14.3	3.3	.....	47.1
Chromo	.....	.....	3.2	5.7	5.0	5.5	16.5	(*)	1.0	.....
Cochetopa	.....	2.5	13.3	4.0	7.2	1.0	10.0	2.8	1.5	42.3
Collbran	.....	.....	11.0	10.5	18.5	10.5	27.5	12.0	.....	90.0
Colorado Springs	.....	4.0	5.0	11.1	0.2	7.1	13.4	7.3	13.5	61.6
Columbine	.....	3.7	39.0	29.0	40.0	42.0	43.0	37.0	11.0	244.7
Columbine Ranch	T.	0.3	14.2	16.6	12.0	4.5	66.0	21.0	.....	134.6
Cope	.....	3.0	6.4	16.6	2.6	24.4	16.6	.....	T.	69.6
Corona	.....	13.5	(*)	24.5	60.0	84.0	72.5	45.0	34.0	.....
Craig	.....	(*)	2.0	(*)	(*)	7.0	14.0	(*)	(*)	.....
Crawford (near)	.....	.....	9.0	10.0	11.0	3.5	33.5	6.0	6.0	79.0
Crested Butte	.....	4.0	29.0	5.2	31.0	13.0	62.5	17.5	11.5	173.7
Cripple Creek	.....	4.0	11.4	9.0	T.	9.9	17.5	22.0	22.0	95.8
Cuchara Camps	.....	25.5	31.0	25.8	13.5	44.6	56.1	44.1	9.0	294.6
Cumbres	.....	17.0	17.5	25.7	18.3	14.7	74.0	17.2	2.5	186.9
De Beque	.....	.....	1.7	.....	6.5	T.	0.5	T.	.....	8.7
Delta	.....	.....	0.5	1.0	1.0	1.0	6.5	T.	.....	10.0
Denver	T.	5.5	4.7	5.9	2.4	22.1	12.9	3.6	13.2	70.5
Dillon	.....	6.0	14.0	1.0	23.5	20.0	31.5	(*)	13.0	.....
Durango	.....	0.5	1.3	5.3	1.3	4.8	17.2	4.9	T.	35.3
Eads	(*)	(*)	(*)	(*)	(*)	8.0	9.0	T.	6.2	.....
Edgewater	.....	5.8	4.0	4.8	0.5	13.0	(*)	(*)	(*)	.....
Estes Park Fish Hatchery	T.	16.0	27.0	6.0	9.0	27.0	45.0	22.0	24.0	176.0
Eureka	.....	5.0	31.0	5.0	17.0	10.0	70.0	19.0	7.0	164.0
Fairview	T.	33.0	31.7	40.6	6.0	69.5	72.5	53.1	54.0	360.4
Fort Collins	.....	4.0	5.5	4.6	5.5	23.0	17.6	0.5	5.5	66.2
Fort Lupton	.....	4.0	6.0	5.0	5.0	10.0	10.0	9.0	11.0	60.0
Fort Morgan	.....	2.0	1.0	6.0	2.8	18.5	12.3	.....	.....	42.6
Frances	T.	13.5	47.5	8.0	(*)	42.4	48.0	43.2	34.5	.....
Fraser	.....	4.0	22.0	5.7	10.0	24.0	32.0	20.5	10.5	128.7
Fremont Experiment Station	.....	14.9	6.9	22.3	0.5	22.1	76.0	15.1	22.0	179.8
Fruita (near)	.....	T.	1.5	3.8	6.8	1.7	2.5	T.	.....	16.3
Frys Ranch	.....	13.5	7.5	4.0	9.0	23.5	25.0	15.5	16.5	114.5
Garfield	T.	15.0	27.8	22.8	26.7	41.0	54.0	15.0	13.0	215.3
Garnett	.....	5.0	5.5	3.5	2.5	1.5	3.0	0.5	.....	21.5
Georgetown	.....	14.5	9.3	3.5	9.1	16.0	25.8	21.1	18.2	117.5
Glade Park	.....	.....	12.0	8.0	4.5	4.0	32.0	13.0	2.0	75.5
Gladstone	.....	13.6	50.0	(*)	28.9	(*)	(*)	(*)	(*)	.....
Glenwood Springs (near)	.....	.....	(*)	4.0	12.0	9.0	12.0	.....	.....	.....
Grand Junction	.....	T.	3.2	4.5	5.2	0.9	3.4	0.4	0.2	17.8
Grand Lake	.....	10.0	8.5	8.0	17.0	25.0	12.5	20.0	18.0	119.0
Grand Valley	.....	T.	3.5	8.2	5.7	1.0	0.4	T.	.....	18.8
Greeley	.....	1.5	4.5	8.5	6.0	14.0	19.0	4.0	.....	57.5
Grover	(*)	(*)	(*)	2.0	7.5	8.0	19.0	12.5	.....	.....
Gunnison	.....	1.8	10.1	4.0	13.5	3.0	9.5	T.	1.0	42.9
Hamps	.....	5.0	3.5	9.0	0.2	10.8	8.0	8.2	2.0	46.7
Hartsel	.....	6.5	3.5	5.0	0.5	3.9	1.2	8.9	12.0	41.5
Hawthorne	.....	7.0	16.5	6.0	9.5	42.2	27.0	6.0	15.0	129.2
Hermit	.....	8.0	15.0	16.0	4.5	7.0	48.0	17.0	5.5	121.0
Hermit Lake	.....	47.0	54.0	27.0	35.0	48.0	105.0	73.0	34.0	423.0
Hesperus	.....	3.8	6.3	5.8	1.0	4.2	22.9	15.2	0.5	59.7
Hoehne	.....	6.0	9.0	2.0	1.0	20.0	9.6	2.0	T.	49.6
Holly	.....	3.0	3.0	10.0	T.	(*)	1.3	1.0	.....	.....
Holyoke (near)	.....	(*)	T.	7.0	7.0	8.5	20.0	.....	.....	.....
Horsefly	T.	9.0	30.0	20.0	14.2	20.1	77.0	54.0	4.4	228.7
Idaho Springs	.....	7.5	6.0	3.5	5.5	26.5	18.2	7.0	6.0	80.2
Ironton	.....	11.0	43.6	18.5	30.6	20.7	46.1	19.2	T.	189.7
Julesburg	(*)	(*)	(*)	(*)	5.8	10.5	26.0	T.	T.	.....
Keota	.....	T.	3.5	2.0	5.5	9.8	10.0	.....	(*)	.....
Kersey	(*)	(*)	(*)	(*)	.....	11.5	14.0	4.5	.....	.....
Ladore	.....	T.	4.0	1.0	1.8	4.8	16.5	(*)	(*)	.....
La Junta	.....	9.0	(*)	(*)	(*)	10.5	3.4	0.2	.....	.....
Lake City	.....	3.2	20.5	8.4	10.9	11.9	21.4	10.3	5.4	92.0
Lake Moraine	.....	20.2	18.0	28.0	2.5	39.8	22.5	38.0	53.3	222.3
Lamar	.....	7.0	3.0	17.0	0.8	14.0	9.7	12.5	.....	64.0
Laporte	.....	T.	8.2	4.0	5.2	27.2	18.8	1.0	T.	64.4
Las Animas	.....	.....	16.5	25.0	3.2	13.5	17.5	(*)	(*)	.....
Laveta Pass	.....	22.7	25.8	45.4	11.0	52.7	34.6	15.4	11.5	219.1
Lay	.....	T.	10.5	11.0	11.0	15.0	19.0	6.0	3.0	75.5

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Colorado—Continued.										
Leadville	.....	12.6	14.1	5.6	14.0	22.8	24.5	9.1	7.0	109.7
Leroy (near)	.....	1.0	2.5	8.8	5.0	11.5	16.7	4.6	1.7	51.8
Limon (near)	.....	3.0	(*)	7.7	T.	2.0	6.0	8.0	2.0	.....
Longmont	.....	4.3	7.0	4.8	11.8	20.0	21.5	2.8	2.0	74.2
Longs Peak (near)	.....	15.0	30.0	8.0	16.0	36.0	48.0	41.0	49.0	243.0
Madrid	.....	13.5	12.2	16.5	3.6	26.0	18.0	1.0	7.0	97.8
Manassa	.....	4.0	2.0	4.5	T.	5.0	(*)	(*)	(*)	.....
Mancos	.....	.....	3.0	17.9	7.0	5.7	33.1	13.8	.....	80.5
Manitou	(*)	(*)	(*)	(*)	0.8	8.5	10.0	8.0	18.0	.....
Marble	.....	6.0	25.0	13.0	30.0	14.0	81.7	31.7	16.0	217.4
Marshall Pass	.....	12.0	28.0	8.0	34.0	31.0	30.0	16.0	6.0	165.0
Meeker (near)	.....	T.	15.0	12.5	7.5	11.0	14.0	6.0	1.5	67.5
Montrose	.....	T.	2.0	7.8	5.2	T.	15.0	2.1	2.0	34.1
Monument	.....	4.0	9.0	8.0	3.3	22.9	2.9	9.3	23.0	82.4
Moraine	.....	8.0	12.0	1.0	6.5	16.0	29.0	8.0	(*)	.....
Nast	.....	T.	21.0	5.1	25.2	20.1	37.2	12.6	13.0	134.2
North Lake	.....	28.0	26.5	9.5	6.0	16.6	30.0	34.0	10.5	161.1
Oro	(*)	(*)	26.8	7.8	19.9	25.9	(*)	(*)	(*)	.....
Pagoda	.....	.....	13.3	(*)	.....	12.0	(*)	(*)	(*)	.....
Pagosa Springs	.....	3.0	(*)	8.5	9.7	4.5	37.0	14.6	2.9	.....
Palisades	.....	.....	1.3	(*)	(*)	0.5	2.5	3.0	T.	.....
Paonia	.....	T.	5.0	8.2	3.0	0.5	21.0	3.0	3.0	43.7
Parshall	.....	(*)	8.0	(*)	2.0	(*)	29.0	(*)	(*)	.....
Pitkin	.....	7.0	12.5	3.7	18.7	10.6	27.0	5.5	2.0	87.0
Platoro	.....	16.8	21.2	24.0	8.0	7.8	65.5	41.9	7.3	192.5
Platte Canon	.....	4.5	6.5	7.0	4.8	25.8	9.7	7.0	(*)	.....
Pueblo	.....	4.7	3.4	17.6	2.8	6.4	8.0	5.1	T.	48.0
Pyramid	.....	T.	27.5	7.0	(*)	34.0	24.0	10.0	4.3	.....
Rangely	.....	.....	6.0	11.0	(*)	6.0	9.0	6.0	.....	.....
Redcliffe	.....	(*)	27.9	11.4	36.8	30.5	66.4	23.5	48.0	.....
Rico	.....	3.0	16.0	11.0	11.5	11.0	44.0	12.5	0.5	109.5
Rifle	.....	T.	1.5	4.1	6.0	0.4	(*)	.....	.....	.....
River Portal	.....	.....	11.2	6.0	10.7	0.5	21.0	4.3	T.	53.7
Rocky Ford (near)	.....	6.0	4.0	22.0	2.5	9.2	2.3	T.	.....	46.0
Saguache	.....	4.0	3.5	T.	1.3	1.0	6.0	12.3	T.	28.1
St. Cloud	.....	10.0	10.0	7.0	8.5	23.5	15.5	29.2	8.2	111.9
St. Elmo	.....	1.2	36.0	10.5	11.0	20.0	51.5	10.5	15.0	155.7
Salida	.....	5.0	4.5	9.5	T.	13.0	8.5	1.7	8.2	50.4
San Luis	.....	7.0	5.0	4.7	0.3	1.1	(*)	11.6	(*)	.....
Santa Clara	.....	22.5	19.0	18.8	1.8	27.3	21.9	20.0	17.0	148.3
Sapinero (near)	.....	6.8	29.2	13.7	16.8	10.2	39.2	19.8	13.9	149.6
Sedgewick	.....	T.	1.0	8.0	13.5	14.9	41.2	T.	.....	78.6
Sheridan Lake	.....	6.0	2.2	12.2	(*)	(*)	12.0	(*)	(*)	.....
Shoshone	.....	T.	10.0	14.3	26.7	9.5	47.0	13.0	.....	120.5
Sill Mine	(*)	25.2	28.7	14.5	47.5	68.6	43.2	59.0	24.4	.....
Silverton (near)	.....	2.0	36.5	16.0	18.0	7.8	81.0	20.0	.....	181.3
Spicer (near)	.....	1.1	16.0	2.5	9.2	10.1	18.3	4.6	8.0	69.8
Spruce Lodge	.....	6.5	43.0	28.0	60.0	66.0	70.0	62.0	40.5	376.0
Steamboat Springs	.....	T.	16.5	13.0	33.0	28.0	27.7	11.5	4.0	133.7
Sterling	.....	2.1	0.4	8.0	8.2	8.4	14.7	T.	2.5	44.3
Stonewall	.....	19.8	13.2	6.5	1.1	7.2	14.7	6.4	6.0	74.9
Tacoma	.....	4.8	(*)	15.5	9.0	9.0	36.0	8.2	.....	.....
Telluride	.....	2.7	38.0	13.7	26.0	16.8	53.1	35.9	10.6	196.8
Terminal Dam	.....	6.0	10.2	25.0	13.0	12.0	(*)	23.5	0	.....
Trinidad	.....	12.8	12.5	16.8	2.9	32.7	17.2	2.0	3.0	99.9
Two Buttes	(*)	6.0	7.5	12.3	1.5	19.7	11.0	7.5	.....	.....
Uncompagre Plateau	.....	10.0	20.0	27.0	20.0	15.0	102.0	35.0	9.0	238.0
Victor (near)	T.	6.5	6.6	9.6	0.1	11.6	12.0	9.0	2.0	57.4
Vilas	.....	11.0	3.0	12.0	(*)	18.0	6.8	T.	(*)	.....
Wagon Wheel Gap Experiment Station	.....	7.8	12.7	14.4	4.7	4.0	32.0	15.5	2.6	93.7
Waterdale	.....	(*)	12.5	(*)	6.5	23.0	22.0	(*)	.....	.....
Wayne	.....	(*)	(*)	11.1	.....	0.7	4.6	6.0	7.0	.....
Westcliffe	.....	17.0	6.5	8.0	1.0	11.8	26.8	20.0	10.0	100.8
Winfield	4.0	5.5	11.8	5.2	6.9	6.1	50.5	4.2	10.4	104.6
Woodman Sanatorium	.....	7.0	14.0	(*)	.....	8.3	4.5	10.2	20.0	.....
Wortman	.....	4.5	42.4	33.1	47.0	28.5	56.8	27.3	21.0	260.6
Wray	.....	.....	1.0	10.0	2.8	10.5	18.0	.....	.....	42.3
Yampa (near)	.....	.....	4.1	6.0	(*)	(*)	(*)	(*)	(*)	.....
Yuma	.....	(*)	T.	6.5	2.5	11.0	20.0	.....	2.0	.....

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Connecticut.										
Canton	.....	.....	2.0	5.0	15.0	T.	9.0	0.5	.....	31.5
Hartford	.....	.....	1.1	4.0	15.1	0.1	10.6	T.	.....	30.9
New Haven	.....	.....	0.3	6.2	9.3	2.5	8.9	T.	.....	27.2
Norwalk	.....	.....	2.0	7.0	13.1	3.0	9.0	.....	.....	34.1
West Simsbury	.....	T.	2.5	5.0	16.5	T.	6.5	1.0	.....	31.5
Florida.										
No snowfall.										
Illinois.										
Albion	.....	.....	1.3	.....	15.8	16.3	11.6	.....	.....	45.0
Aledo	.....	.....	1.3	4.2	3.5	10.0	15.2	9.0	.....	43.2
Alexander	.....	.....	2.4	6.5	4.0	8.4	10.8	T.	.....	32.1
Blooomington	.....	T.	2.5	9.0	4.1	12.0	12.1	T.	.....	39.7
Cairo	.....	.....	[1] 0.1	T.	7.4	3.6	6.6	.....	.....	17.7
Carlinville	.....	T.	1.2	3.1	4.3	12.0	15.2	T.	.....	35.8
Charleston	.....	.....	1.5	T.	8.1	15.5	15.4	T.	.....	40.5
Chicago	.....	T.	1.2	7.8	7.1	9.9	13.5	0.1	.....	39.6
Cobden	.....	.....	T.	.....	21.0	6.5	10.7	.....	.....	38.2
Greenville	.....	T.	2.5	.....	5.8	23.5	22.9	T.	.....	54.7
Joliet	.....	T.	3.6	7.7	2.0	10.8	10.8	2.5	.....	37.4
La Salle	.....	T.	1.1	9.9	2.5	10.0	15.8	5.5	.....	44.8
Oregon	.....	T.	4.0	8.0	12.0	8.3	15.0	6.0	.....	53.3
Ottawa	.....	T.	5.0	5.0	1.5	9.0	9.0	1.0	.....	30.5
Palestine	.....	T.	1.0	.....	8.5	15.0	14.0	T.	.....	38.5
Peoria	.....	T.	2.7	6.3	2.1	8.5	10.5	4.5	.....	34.6
Rantoul	.....	T.	2.5	2.0	6.3	11.2	14.6	T.	.....	36.6
Riley	.....	T.	3.7	7.1	4.1	10.0	12.9	6.0	.....	43.8
Springfield	.....	.....	2.6	5.0	4.8	9.9	11.0	T.	.....	33.3
Georgia.										
Atlanta	.....	.....	.....	.....	3.5	1.6	.....	.....	.....	5.1
Augusta	.....	.....	.....	.....	4.3	6.5	.....	.....	.....	10.8
Canton	.....	.....	.....	.....	0.9	5.2	.....	.....	.....	6.1
Clayton	.....	.....	.....	.....	3.5	3.0	1.0	.....	.....	7.5
Dahlonega	.....	.....	T.	.....	3.5	5.0	.....	.....	.....	8.5
Diamond	.....	.....	T.	T.	4.0	(*)	T.	.....	.....	.....
Gore	.....	.....	.....	.....	1.5	8.0	.....	.....	.....	9.5
Lost Mountain	.....	.....	T.	.....	5.5	3.5	.....	.....	.....	9.5
Macon	.....	.....	.....	.....	0.3	0.1	.....	.....	.....	0.0
Mineral Bluff	.....	.....	T.	T.	4.5	7.8	.....	.....	.....	12.4
Rome	.....	.....	.....	.....	2.5	8.0	.....	.....	.....	10.3
Savannah	.....	.....	.....	.....	T.	T.	.....	.....	.....	T.
Thomasville	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Idaho.										
Albion	.....	.....	6.5	(*)	5.5	(*)	(*)	T.	(*)	.....
Almo	.....	.....	(*)	0.7	3.5	0.5	4.6	1.8	2.0	.....
American Falls	.....	T.	T.	(*)	25.0	(*)	(*)	5.1	T.	.....
Arrow Rock	(*)	(*)	(*)	30.7	29.5	9.0	4.5	0.5	.....	.....
Blackfoot	.....	2.0	11.9	10.6	10.4	7.8	10.0	.....	.....	52.7
Blackfoot Dam	.....	6.5	21.5	14.5	20.5	20.0	16.5	10.5	T.	110.0
Bock's Ranch	.....	.....	15.6	14.7	40.3	14.0	2.6	1.6	.....	88.8
Bogus Creek	.....	0.5	8.7	22.5	21.5	13.0	29.0	20.0	2.5	117.7
Boise	.....	.....	0.7	8.4	15.6	5.1	4.4	0.9	.....	35.1
Bonners Ferry	.....	.....	25.0	12.0	16.5	4.0	5.0	.....	.....	62.5
Boulder Mine	.....	4.9	38.5	46.3	36.3	29.2	35.0	18.2	2.4	210.8
Buhl	.....	.....	T.	2.5	6.0	2.0	1.0	4.0	T.	15.5
Caldwell	.....	.....	.....	10.7	21.5	1.0	3.5	.....	.....	36.7
Camas	.....	8.0	5.5	14.0	4.5	2.5	16.5	.....	.....	51.0
Cambridge	.....	(*)	(*)	24.5	34.0	11.0	4.5	.....	.....	.....
Cedar Creek Dam	.....	.....	11.0	8.8	12.0	9.5	10.5	24.0	T.	75.8
Chesterfield	.....	T.	25.0	20.0	(*)	12.0	12.0	9.0	1.0	.....
Council	.....	(*)	(*)	26.0	20.0	7.3	1.4	.....	.....	.....
Culdesac	.....	.....	0.2	8.0	2.0	2.0	4.0	.....	.....	16.2
Dent	.....	.....	14.5	26.7	11.5	11.5	9.0	.....	.....	73.2
Driggs	T.	9.5	21.0	11.2	13.0	9.5	24.0	12.0	T.	100.2
Emmett	.....	.....	0.8	5.6	19.7	1.2	2.5	.....	.....	29.8

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Idaho—Continued.										
Forney	.....	12.4	15.1	10.3	9.4	8.9	7.9	(*)	(*)	.....
Garden Valley	.....	.....	16.0	37.5	28.6	22.0	T.	.....	.....	104.1
Garnet	.....	.....	.....	2.0	(*)	.....	.....	.....	.....	.....
Geneva	.....	.....	16.0	4.5	17.0	26.0	28.2	3.1	.....	94.8
Glenns Ferry	.....	.....	1.5	7.5	16.0	1.0	T.	.....	.....	26.0
Gooding	.....	.....	4.0	2.2	26.6	5.0	3.2	4.0	T.	45.0
Grace	.....	.....	6.0	5.0	17.5	2.5	5.0	4.0	1.0	41.0
Grand Forks	.....	.....	(*)	(*)	30.5	26.6	20.6	0.5	T.	.....
Grandview	.....	.....	.....	5.5	11.5	.....	1.7	.....	.....	18.7
Grimes Pass	.....	3.0	29.5	38.0	32.3	19.7	27.3	12.0	0.6	162.4
Guffey	.....	.....	T.	2.0	13.9	T.	T.	T.	.....	15.9
Hailey	.....	1.0	13.0	22.0	10.9	3.5	23.3	3.0	T.	76.7
Hotspring	.....	.....	.....	4.5	6.0	T.	(*)	2.0	.....	.....
Idaho City	.....	.....	24.5	26.0	21.5	17.0	20.0	8.0	.....	117.0
Idaho Falls	.....	3.0	6.8	14.9	12.9	7.5	5.5	5.0	.....	55.6
Indian Valley	.....	.....	12.5	25.9	22.0	5.1	2.5	T.	.....	68.0
Irwin	.....	2.5	12.2	19.0	23.5	6.5	8.5	.....	.....	72.2
Kellogg	.....	T.	15.8	10.4	27.3	11.9	6.7	.....	.....	72.1
Kirkham	.....	.....	20.0	33.0	26.0	13.7	12.4	1.0	T.	106.1
Kooskia	.....	.....	5.5	8.0	12.0	.....	T.	.....	.....	25.5
Lakeview	.....	.....	38.0	29.0	23.0	10.0	2.0	1.0	.....	103.0
Landore	T.	3.5	44.6	60.0	42.4	40.9	27.8	16.6	10.0	245.8
Lewiston	.....	.....	0.4	7.2	3.8	1.5	0.1	.....	.....	13.0
Little Camas	.....	T.	25.4	22.4	37.4	14.5	24.9	9.0	2.0	135.6
Loon Creek	.....	3.3	21.0	4.6	15.3	4.3	17.6	19.3	3.0	88.4
Mackay	.....	T.	7.0	(*)	5.2	3.0	7.0	(*)	.....	.....
Meridian	.....	.....	0.9	5.9	18.8	1.6	2.8	0.1	.....	30.1
Mesa	.....	.....	(*)	(*)	(*)	5.8	(*)	2.0	.....	.....
Middle Fork	.....	.....	6.4	13.9	15.3	5.0	(*)	.....	.....	.....
Milner	.....	.....	2.2	8.7	24.5	3.0	8.0	8.5	.....	54.9
Moscow	.....	.....	9.5	16.5	7.5	13.3	6.0	1.5	T.	54.3
Mountainhome	.....	(*)	(*)	7.0	18.0	4.0	3.5	2.0	.....	.....
Murtaugh	.....	.....	2.5	7.8	12.9	1.5	3.0	0.8	.....	28.5
Nezperce	.....	.....	8.0	12.0	7.0	12.0	24.0	9.0	.....	72.0
Oakley	.....	.....	2.0	2.0	8.0	.....	1.0	9.0	.....	22.0
O'Hara Bar	.....	.....	12.0	27.1	22.0	(*)	(*)	.....	.....	.....
Orofino	.....	.....	13.5	23.5	15.0	1.0	3.5	.....	.....	56.5
Paris	.....	6.0	24.0	(*)	24.0	13.0	10.5	(*)	T.	.....
Payette	.....	.....	1.2	11.4	25.3	2.0	2.0	T.	.....	41.9
Pebble	T.	10.0	41.0	18.0	29.5	14.0	28.0	(*)	(*)	.....
Pierson	.....	10.0	17.0	9.0	30.0	14.0	15.0	21.0	3.0	119.0
Pine	.....	.....	25.4	31.8	30.5	11.7	17.2	2.5	.....	119.1
Pleasant Valley	.....	.....	0.3	8.9	17.5	5.0	1.5	0.8	.....	34.0
Pocatello	.....	0.2	8.9	4.8	10.3	6.5	8.5	8.0	0.5	47.7
Poplar	.....	1.8	18.1	17.0	15.0	12.0	13.0	15.2	T.	92.1
Porthill	.....	.....	21.0	12.0	22.5	2.5	12.0	.....	.....	70.0
Powers Ranch	.....	.....	26.4	30.4	35.8	14.8	15.6	5.0	.....	128.0
Priest River Experiment Station, No. 1	(*)	(*)	(*)	39.0	20.6	10.8	8.9	1.0	.....	.....
Priest River Experiment Station, No. 2	(*)	(*)	(*)	36.7	20.1	10.6	8.9	1.0	.....	.....
Priest River Experiment Station, No. 3	(*)	(*)	(*)	38.4	20.4	10.6	8.9	1.0	.....	.....
Pyle Creek	.....	.....	17.6	39.5	32.3	15.5	6.9	.....	.....	111.8
Rattlesnake Creek	.....	.....	17.3	18.2	29.4	7.0	0.6	.....	.....	72.5
Richfield	.....	.....	13.7	5.0	12.0	4.7	4.5	4.0	T.	43.9
Roseberry	(*)	(*)	(*)	21.8	10.0	17.5	24.5	5.5	1.0	.....
Roseworth	.....	.....	5.5	(*)	(*)	(*)	(*)	(*)	.....	.....
Ruby Creek	.....	.....	28.5	31.2	35.6	19.8	22.2	10.0	.....	147.3
Rupert	.....	.....	2.5	4.1	19.0	0.5	2.5	2.5	.....	31.1
St. Maries	.....	.....	13.6	19.9	14.3	8.9	2.2	T.	.....	58.9
Salmon	.....	5.8	9.5	13.5	10.5	7.0	6.8	3.5	.....	56.6
Salmon River Dam	.....	T.	4.2	2.0	(*)	(*)	(*)	(*)	(*)	.....
Sandpoint	.....	.....	22.2	(*)	18.4	6.7	5.0	.....	.....	.....
Sheep Hill	.....	.....	25.5	40.2	32.9	16.6	18.8	T.	.....	134.0
Shoshone	.....	.....	5.4	7.5	19.0	4.0	5.0	5.0	T.	45.9
Silver City	.....	10.0	17.0	24.9	35.8	20.3	17.0	23.0	1.0	149.0
Smith Prairie	.....	.....	2.6	19.3	33.1	15.3	12.7	11.0	.....	94.0
Soldier Creek	.....	T.	28.7	(*)	18.0	5.0	(*)	13.9	T.	.....
Spirit Lake	.....	.....	32.5	31.4	20.0	3.7	7.1	0.7	.....	95.4
Springfield	.....	0.5	12.5	7.9	14.1	3.3	8.5	2.7	T.	49.5
Sugar	.....	2.0	7.0	13.0	11.0	5.5	16.5	4.0	.....	59.0
Sunnyside	.....	.....	T.	7.0	20.0	T.	.....	.....	.....	27.0

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Idaho—Continued.										
Tripod Mountain	.....	3.5	16.6	33.2	17.9	14.8	12.2	5.7	.....	103.9
Twin Falls	.....	.....	0.5	(*)	16.5	2.0	1.0	4.0	.....	.....
Vernon	.....	7.0	9.5	15.0	22.5	9.2	22.5	8.0	T.	93.7
Weiser	.....	.....	T.	(*)	23.5	2.5	5.0	.....	.....	.....
Wendell	.....	.....	0.1	5.8	18.0	4.0	5.0	0.4	T.	33.3
Weston	.....	.....	3.0	6.0	5.5	4.0	6.5	2.0	.....	27.0
Indiana.										
Butlerville	.....	.....	2.5	2.5	15.2	11.0	12.1	1.5	.....	44.8
Cambridge City	.....	.....	1.0	.....	(*)	(*)	(*)	(*)	(*)	.....
Evansville	.....	.....	1.0	T.	18.2	10.3	17.2	.....	.....	46.7
Fort Wayne	.....	.....	4.5	8.9	6.8	17.6	21.3	T.	.....	59.1
Greensburg	.....	.....	1.0	T.	(*)	13.5	6.0	T.	.....	.....
Howe	.....	.....	6.0	8.5	6.0	15.5	11.0	.....	.....	47.0
Indianapolis	.....	.....	1.2	0.4	9.0	12.0	10.5	1.0	.....	34.1
Kokomo	.....	.....	3.3	0.8	8.5	14.5	10.0	T.	.....	37.1
Lafayette	.....	.....	3.7	1.5	4.8	16.2	8.8	T.	.....	35.0
Laporte	.....	.....	9.0	10.1	10.8	18.6	21.6	T.	.....	70.1
Marengo	.....	.....	0.1	T.	14.0	9.5	14.6	T.	.....	38.2
Mauzy	.....	.....	3.0	1.3	8.2	12.1	12.2	2.5	.....	39.3
Richmond	.....	.....	2.1	1.5	6.0	5.6	5.5	0.5	.....	21.2
Scottsburg	.....	.....	1.0	0.5	12.0	6.0	7.5	T.	.....	27.0
South Bend	.....	T.	24.5	12.5	14.0	22.5	14.5	1.0	.....	89.0
Terre Haute	.....	.....	0.6	.....	8.0	16.7	8.5	.....	.....	33.8
Vevay	.....	.....	T.	0.5	25.0	8.0	(*)	(*)	.....	.....
Iowa.										
Afton	.....	0.2	T.	18.0	1.0	26.0	26.0	.....	.....	71.2
Albia	.....	T.	2.5	9.5	2.0	14.5	16.5	1.0	.....	46.0
Algona	.....	2.0	1.5	15.0	6.5	4.0	10.0	T.	.....	39.0
Allerton	.....	1.5	2.0	13.6	0.7	14.4	12.0	T.	.....	44.2
Alta	.....	1.5	1.5	13.0	8.0	7.5	17.5	0.5	.....	49.5
Alta (near)	.....	2.0	0.6	12.0	9.0	6.4	14.0	0.5	.....	44.5
Alton	.....	4.0	2.5	13.2	8.5	5.0	11.0	.....	.....	44.2
Amana	.....	T.	1.5	8.5	2.3	12.0	22.9	7.0	.....	54.2
Atlantic	.....	T.	0.5	21.5	5.0	16.5	25.9	T.	.....	69.4
Audubon	.....	T.	0.6	14.1	3.4	11.3	29.1	.....	.....	58.5
Baxter	.....	T.	1.5	18.7	9.0	14.7	26.4	T.	.....	70.3
Bedford	.....	T.	1.8	13.2	1.2	30.0	18.1	T.	.....	64.3
Belle Plaine	.....	1.0	2.0	10.0	4.0	21.5	19.5	3.5	.....	61.5
Belmond	.....	2.0	1.6	12.5	10.4	4.9	10.9	.....	.....	42.3
Bloomfield	.....	T.	0.8	6.5	4.0	(*)	22.4	4.6	.....	.....
Bonaparte	.....	1.0	2.0	3.5	3.0	6.0	15.0	5.0	.....	35.5
Boone	.....	T.	T.	14.5	5.0	(*)	25.0	.....	.....	.....
Britt	.....	1.4	0.9	6.5	3.3	2.0	7.0	T.	.....	21.1
Buckingham	.....	T.	T.	(*)	(*)	(*)	(*)	T.	.....	.....
Burlington	.....	T.	5.0	11.0	6.5	10.4	28.2	7.0	.....	68.1
Carroll	.....	1.0	T.	14.0	7.0	5.0	22.0	.....	.....	49.0
Cedar Rapids	.....	T.	2.3	7.0	4.6	16.5	19.3	T.	.....	49.7
Centerville	.....	2.0	3.2	7.0	2.5	24.0	18.0	T.	.....	56.7
Chariton	.....	T.	2.0	11.0	1.0	13.0	20.0	1.0	.....	48.0
Charles City	.....	1.0	1.6	21.0	7.9	3.3	14.1	T.	.....	48.9
Clarinda	.....	0.2	1.0	14.7	1.5	33.5	19.2	.....	.....	70.1
Clear Lake	.....	1.0	0.2	12.5	1.5	2.2	6.0	.....	.....	23.4
Clinton	.....	.....	4.5	3.8	4.5	11.1	19.5	(*)	.....	.....
Columbus Junction	.....	T.	3.5	8.3	1.5	14.5	21.9	4.1	.....	53.8
Corning	.....	.....	T.	15.5	1.0	24.0	28.0	.....	.....	68.5
Corydon	.....	T.	(*)	12.7	(*)	20.5	24.0	T.	.....	.....
Council Bluffs	.....	T.	3.0	18.0	6.0	31.0	35.0	.....	.....	93.0
Creston	.....	T.	0.5	9.0	2.0	13.0	15.0	T.	.....	39.5
Cumberland	.....	.....	0.5	21.0	3.5	17.0	25.0	.....	.....	67.0
Davenport	.....	T.	2.5	3.5	2.5	11.3	22.1	7.8	.....	49.7
Decorah	.....	(*)	1.0	15.0	7.0	5.2	10.5	.....	.....	.....
Delaware	.....	1.0	1.1	6.5	8.5	8.0	11.5	3.5	.....	40.1
Denison	.....	T.	T.	14.7	7.5	5.2	20.0	.....	.....	47.4
Des Moines	.....	T.	1.9	19.0	6.2	16.9	28.0	T.	.....	72.0
Dubuque	.....	0.5	2.9	7.4	5.8	18.0	16.7	5.0	.....	56.3
Earlham	.....	T.	1.8	18.0	3.7	20.0	52.5	.....	.....	96.0

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Iowa—Continued.										
Elkader	.....	T.	2.0	12.0	11.0	6.0	20.0	.....	.....	51.0
Elliott	.....	T.	T.	7.6	T.	15.0	18.5	.....	.....	41.1
Elma	T.	0.5	0.2	22.0	6.5	5.5	(*)	(*)	.....	.....
Estherville	.....	0.5	5.0	8.5	6.0	5.0	9.0	.....	.....	34.0
Fairfield	.....	T.	2.1	6.2	1.4	11.9	14.0	4.0	.....	39.6
Fayette	.....	1.5	1.5	11.2	7.0	4.9	14.0	T.	.....	40.1
Forest City	.....	2.0	T.	17.0	8.0	5.5	10.5	.....	.....	43.0
Fort Dodge	.....	0.5	0.2	22.7	7.0	1.0	18.5	.....	.....	49.9
Fort Madison	.....	.....	4.0	3.0	5.0	11.0	13.0	7.0	.....	43.0
Gilman	.....	T.	(*)	6.5	(*)	10.5	23.0	.....	.....	.....
Grand Meadow	.....	2.0	3.0	11.5	10.3	6.0	9.0	.....	.....	41.8
Greenfield	.....	T.	0.5	14.5	3.0	19.0	24.0	T.	.....	61.0
Grinnell	.....	T.	1.5	13.8	5.0	15.5	22.0	0.2	.....	58.0
Grundy Center	.....	1.0	1.0	12.0	7.0	7.0	24.0	.....	.....	52.0
Guthrie Center	.....	T.	0.5	14.0	4.1	15.5	27.5	T.	.....	61.6
Hampton	.....	0.8	0.8	13.5	9.1	2.7	16.0	.....	.....	42.9
Harlan	.....	0.1	T.	14.1	6.0	9.5	32.0	.....	.....	61.7
Humboldt	.....	T.	T.	16.5	7.8	2.8	16.0	(*)	.....	.....
Independence	.....	T.	1.5	9.5	5.5	7.0	18.0	T.	.....	41.5
Indianola	.....	T.	0.8	17.0	4.2	20.8	22.3	T.	.....	65.1
Inwood	.....	3.0	2.5	9.0	4.0	0.5	11.4	.....	.....	30.4
Iowa City	.....	T.	1.0	5.5	3.0	12.0	21.0	5.0	.....	47.5
Iowa Falls	.....	(*)	1.3	11.5	9.0	5.8	17.5	.....	.....	.....
Jefferson	.....	T.	0.6	17.6	10.3	6.3	28.2	.....	.....	63.0
Keokuk	.....	T.	2.0	2.5	3.4	8.4	10.8	6.0	.....	33.1
Keosauqua	.....	T.	2.0	4.5	5.0	12.0	19.0	5.5	.....	48.0
Knoxville	.....	T.	4.2	16.0	3.0	26.0	23.5	.....	.....	72.7
Lacona	.....	.....	4.7	18.0	6.0	21.0	25.0	2.0	.....	76.7
Lamoni	.....	1.5	2.5	(*)	1.0	24.5	11.3	T.	.....	.....
Larrabee	.....	(*)	(*)	5.0	1.8	(*)	12.2	.....	.....	.....
Le Claire	.....	T.	3.5	4.9	2.2	10.0	17.9	8.6	.....	47.1
Le Mars	.....	T.	(*)	10.0	(*)	4.0	10.0	.....	.....	.....
Lenox	.....	T.	0.5	10.9	1.8	31.0	32.2	T.	.....	76.4
Leon	.....	T.	2.0	13.2	3.0	23.5	20.0	T.	.....	61.7
Little Sioux	.....	1.2	1.8	17.0	5.5	4.5	22.0	.....	.....	52.0
Logan	.....	T.	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
Marshalltown	.....	T.	(*)	14.0	10.0	(*)	(*)	.....	.....	.....
Mason City	.....	1.8	0.5	18.3	5.0	4.1	6.5	.....	.....	36.2
Monroe	.....	T.	T.	15.2	3.0	16.0	18.2	T.	.....	52.4
Mount Ayr	.....	T.	1.5	18.5	1.5	26.0	18.2	.....	.....	65.7
Mount Pleasant	.....	T.	1.3	6.8	4.7	13.5	21.0	6.7	.....	54.0
Muscatine	.....	T.	2.2	4.3	3.2	11.7	18.5	5.0	.....	44.9
New Hampton	.....	T.	T.	14.5	2.0	3.0	11.0	.....	.....	30.5
Northboro	.....	T.	1.5	10.0	1.0	32.5	27.0	1.5	.....	73.5
Northwood	.....	1.0	5.0	27.0	8.5	5.5	15.0	.....	.....	62.0
Odebolt	.....	.....	0.5	14.2	8.5	5.0	20.0	.....	.....	48.2
Olin	.....	T.	T.	9.0	5.0	10.0	18.0	8.0	.....	50.0
Onawa	.....	0.5	1.7	23.3	10.3	14.5	35.7	.....	.....	86.0
Osage	.....	1.0	0.5	13.5	4.0	4.0	17.5	.....	.....	40.5
Oskaloosa	.....	T.	1.8	11.8	3.0	8.4	11.2	3.5	.....	39.7
Ottumwa	.....	T.	1.0	17.0	(*)	(*)	18.2	0.9	.....	.....
Pacific Junction	.....	T.	1.3	11.3	1.0	23.7	24.0	.....	.....	61.3
Pella	.....	T.	1.6	18.1	5.6	21.9	23.2	0.2	.....	70.6
Perry	.....	T.	0.2	17.0	(*)	7.0	23.0	.....	.....	.....
Plover	.....	4.0	1.0	20.0	9.5	3.0	23.5	.....	.....	61.0
Pocahontas	.....	1.5	0.5	17.1	5.8	2.8	15.1	0.3	.....	43.1
Ridgeway	.....	0.4	1.0	16.2	4.8	3.4	16.4	0.1	.....	42.3
Rock Rapids	.....	2.5	2.2	11.5	11.5	0.5	8.7	.....	.....	36.9
Rockwell City	.....	2.0	T.	4.3	19.0	14.0	21.0	.....	.....	60.3
Sac City	.....	T.	3.0	21.0	13.0	10.5	33.0	.....	.....	80.5
St. Charles	.....	T.	1.4	19.0	3.2	16.1	31.3	.....	.....	71.0
Sheldon	.....	1.5	4.0	(*)	(*)	(*)	(*)	.....	.....	.....
Sibley	.....	1.2	2.0	10.5	6.0	1.7	9.5	.....	.....	30.9
Sigourney	.....	T.	4.0	9.0	3.5	14.0	17.5	2.0	.....	50.0
Sioux Center	.....	6.0	2.0	15.0	10.5	5.2	14.0	T.	.....	52.7
Sioux City	.....	1.6	3.1	19.6	10.3	10.3	27.3	T.	.....	72.2
Spencer	.....	2.0	2.0	11.0	10.0	4.0	(*)	T.	.....	.....
Stockport	.....	T.	4.0	7.0	(*)	20.0	37.0	8.0	.....	.....
Storm Lake	.....	T.	0.2	9.2	5.3	4.0	11.5	1.0	.....	31.2
Thurman	.....	T.	1.7	(*)	1.7	29.0	24.0	.....	.....	.....

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Iowa—Continued.										
Tipton	.....	.....	3.3	5.0	3.8	8.6	19.2	7.0	.....	46.9
Toledo	.....	T.	1.5	15.5	11.0	(*)	22.0	T.	.....	.....
Wapello	.....	T.	0.5	13.0	3.0	11.5	22.5	12.0	.....	62.5
Washington	.....	.....	(*)	4.6	1.0	19.0	20.1	T.	.....	.....
Washta	.....	1.0	0.5	11.0	10.0	4.5	16.0	.....	.....	43.0
Waterloo	.....	(*)	1.2	10.0	7.3	9.4	12.5	T.	.....	.....
Waukee	.....	T.	0.7	11.5	4.7	5.7	16.2	.....	.....	38.8
Waverly	.....	(*)	(*)	(*)	7.0	(*)	(*)	.....	.....	.....
Webster City	.....	1.8	0.5	13.0	(*)	(*)	(*)	(*)	.....	.....
West Bend	.....	2.0	1.3	15.4	7.0	6.0	17.0	0.1	.....	48.8
Whitten	.....	T.	1.0	14.5	6.5	13.0	29.0	.....	.....	64.0
Winterset	.....	T.	0.3	15.0	4.0	17.5	27.5	T.	.....	64.3
Woodburn	.....	T.	T.	16.0	3.0	(*)	(*)	(*)	.....	.....
Kansas.										
Burlington	.....	T.	2.0	2.5	2.0	5.5	21.0	.....	.....	33.0
Colby	.....	T.	2.5	8.5	1.2	6.0	13.5	.....	.....	31.7
Columbus	.....	.....	1.2	5.4	3.4	16.0	7.2	1.5	.....	34.7
Concordia	.....	.....	0.1	9.4	0.3	23.6	10.4	.....	.....	43.8
Dodge City	.....	3.2	5.1	15.4	2.9	19.7	11.2	T.	.....	57.5
Emporia	.....	1.0	3.5	9.0	1.0	15.0	21.0	.....	.....	50.5
Frankfort	.....	.....	0.2	6.0	0.5	13.0	17.5	.....	T.	37.2
Garden City	.....	4.0	4.5	14.0	5.4	16.0	6.8	T.	.....	50.7
Grenola	.....	T.	1.5	0.5	2.0	12.0	8.0	.....	.....	24.0
Horton	.....	.....	T.	6.1	0.7	19.0	18.0	.....	.....	43.8
Hugoton	.....	5.5	9.5	18.0	5.0	18.5	9.8	1.5	.....	67.8
Hutchinson	.....	3.0	0.8	10.2	1.0	10.0	17.0	.....	.....	42.0
Independence	.....	.....	1.2	2.2	1.7	8.8	9.0	.....	.....	22.9
Iola	.....	T.	3.1	0.7	3.7	8.9	19.3	T.	.....	35.7
Lakin	.....	5.0	6.0	14.0	2.0	13.0	7.0	2.0	.....	49.0
McPherson	.....	3.0	T.	8.0	1.0	22.5	27.5	.....	.....	62.0
Manhattan	.....	T.	0.5	5.5	2.1	21.4	15.7	.....	.....	45.2
Marion	.....	4.0	1.0	6.0	3.8	17.0	23.0	.....	.....	54.8
Minneapolis	.....	T.	0.5	6.5	1.1	15.0	11.0	.....	.....	34.1
Moran	.....	T.	3.0	0.5	8.2	7.0	17.5	.....	.....	36.2
Rome	.....	T.	2.0	4.0	T.	8.0	6.0	.....	.....	20.0
St. Francis	.....	T.	1.0	14.5	1.5	11.0	15.2	.....	.....	43.2
Sedan	.....	.....	0.9	1.6	1.5	8.0	8.8	.....	.....	20.8
Topeka	.....	T.	2.0	5.0	3.3	11.4	26.2	.....	.....	47.9
Wichita	.....	T.	2.3	6.2	1.9	12.5	16.8	.....	.....	39.7
Kentucky.										
Alpha	.....	.....	1.0	T.	8.1	1.3	4.0	.....	.....	14.4
Anchorage	.....	.....	T.	T.	13.7	3.0	6.6	.....	.....	23.3
Bardstown	.....	.....	0.5	.....	11.0	9.5	6.5	.....	.....	27.5
Beattyville	.....	.....	3.0	4.0	24.0	7.0	12.0	.....	.....	50.0
Beaver Dam	.....	.....	T.	.....	11.0	2.0	9.5	.....	.....	22.5
Berea	.....	.....	1.4	0.4	15.5	4.1	15.1	.....	.....	36.5
Blandville	.....	.....	T.	T.	8.6	2.7	6.8	.....	.....	18.1
Bowling Green	.....	.....	(*)	.....	9.3	2.5	5.8	.....	.....	.....
Burnside	.....	.....	0.5	T.	4.8	0.4	2.3	.....	.....	8.0
Calhoun	.....	.....	T.	T.	13.0	3.0	14.5	.....	.....	30.5
Catlettsburg	.....	.....	1.5	T.	11.0	5.0	3.0	.....	.....	20.5
Earlington	.....	.....	T.	.....	18.0	2.5	8.0	.....	.....	28.5
Edmonton	.....	.....	1.6	.....	11.1	2.3	7.0	.....	.....	22.0
Eubank	.....	.....	1.0	T.	12.0	3.0	7.2	.....	.....	23.2
Falmouth	.....	.....	T.	T.	8.5	3.0	3.0	.....	.....	14.5
Farmers	.....	.....	(*)	.....	8.0	3.0	(*)	.....	.....	.....
Frankfort	.....	.....	1.2	T.	11.1	2.7	4.5	.....	.....	19.5
Franklin	.....	.....	T.	T.	7.0	0.5	2.5	.....	.....	10.0
Greensburg	.....	.....	0.5	.....	14.5	1.0	2.0	.....	.....	18.0
High Bridge	.....	.....	1.0	.....	13.5	2.0	5.3	.....	.....	21.8
Hopkinsville	.....	.....	T.	.....	11.0	3.0	4.5	.....	.....	18.5
Irvington	.....	.....	T.	T.	15.2	5.0	12.0	.....	.....	32.2
Leitchfield	.....	.....	T.	0.5	12.5	2.2	10.8	.....	.....	26.0
Lexington	.....	.....	1.6	0.3	12.2	4.0	5.5	.....	.....	23.6
Loretto	.....	.....	(*)	.....	13.6	(*)	7.0	.....	.....	.....
Louisville	.....	.....	T.	T.	12.5	5.0	4.9	.....	.....	22.4
Marion	.....	.....	T.	.....	14.0	4.0	7.0	.....	.....	25.0

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Kentucky—Continued.										
Maysville			4.3	T.	11.5	3.7	3.0			22.5
Middlesboro			(*)		2.0	4.0	3.0			
Mount Sterling			3.5	0.5	16.0	5.5	7.0			32.5
Owensboro			T.		12.0	2.0	13.5			27.5
Paducah			(*)		16.5	3.0	7.5			
Pikeville			1.5		16.0	T.	8.0			25.5
St. John			0.5	T.	12.0	7.5	(*)			
Scott			1.0	2.5	8.5	3.4	5.3	0.5		21.2
Shelby City			(*)	T.	9.8	(*)	13.5			
Shelbyville			(*)		11.9	3.0	2.5			
Taylorsville			0.1	T.	13.3	2.2	6.7			22.3
Williamsburg			1.0	T.	3.9	3.0	1.8			9.7
Williamstown			0.3	2.1	8.8	2.8	5.0	T.		19.0
Louisiana.										
Alexandria						T.				T.
Amite					T.					T.
Baton Rouge			T.		T.					T.
Calhoun					T.					T.
Clinton					T.					T.
Collinston					1.0	T.				1.0
Dutchtown			T.		T.					T.
Farmerville					0.5					0.5
Franklinton					T.					T.
Lakeside					T.					T.
Liberty Hill					T.	T.	T.			T.
Logansport					1.0					1.0
Melville					0.4					0.4
Minden					T.					T.
Natchez, Miss					T.					T.
Newellton						T.				T.
Plain Dealing					0.5					0.5
Rayne					0.5					0.5
Shreveport					0.6					0.6
Simmesport					T.					T.
Tellulah					T.					T.
Vicksburg, Miss					T.	T.				T.
Maine.										
Bar Harbor		T.	5.0	5.5	25.5	16.5	8.5	13.5		74.5
Eastport			5.3	10.1	29.2	21.8	9.5	9.7		85.6
Farmington		T.	9.0	10.0	41.5	23.0	8.5	9.0	T.	101.0
Gardiner			3.5	6.0	40.0	9.0	6.0	6.0		70.5
Greenville	0.2	1.2	11.0	20.0	45.4	25.0	16.5	8.2		127.5
Lewiston			8.0	6.0	33.5	12.5	10.0	8.4		78.4
Orono		T.		8.0	18.0	15.0	3.0			
Portland			1.2	6.1	27.0	14.5	7.8	5.2	T.	61.8
Rumford Falls		0.5	12.4	9.1	30.8	22.8	6.5	9.2	0.5	91.8
Winslow		T.	5.5	7.0	36.0	12.0	7.5	9.0		77.0
Maryland.										
Annapolis					18.6	T.	(*)			
Baltimore			T.	T.	13.9	T.	8.5			22.4
Cambridge			T.	T.	22.2	T.	9.7			31.9
Cheltenham			T.	T.	16.6	0.5	10.0			27.1
Chestertown			T.	T.	21.0	1.7	8.3			31.0
Chewsville	T.	T.	T.	0.5	11.5	2.0	5.0	T.		19.0
Clear Spring			0.2	1.5	24.3	1.5	6.5	T.		34.0
Colcman			T.	1.0	13.5	1.5	9.0			25.0
College Park			T.	(*)	17.5	T.	4.5			
Cumberland				(*)	10.7	5.0	(*)	T.		
Darlington			T.	0.7	13.0	0.5	7.5			21.7
Deer Park			6.5	10.0	27.5	16.0	4.5	0.5		65.0
Denton				T.	16.0	T.	10.0			26.0
Easton					10.4	(*)	6.1			
Emmitsburg			T.	T.	13.1	0.8	3.0			16.9
Fallston			T.	2.0	15.5	0.5	6.0			24.0
Frederick			T.	T.	19.3	4.2	5.6	T.		29.1

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Maryland—Continued.										
Frostburg	.....	.....	0.9	0.9	16.0	2.2	2.3	T.	.....	22.3
Grantsville	.....	.....	6.5	9.0	21.5	8.0	5.0	(*)	T.	.....
Great Falls	.....	.....	.....	(*)	16.5	0.8	3.0	.....	.....	.....
Green Spring Furnace	.....	.....	T.	1.0	12.6	0.5	6.3	T.	.....	20.4
Keedysville	.....	.....	T.	(*)	13.5	1.5	4.5	T.	.....	.....
Lake Montebello	.....	.....	T.	T.	15.4	T.	7.0	.....	.....	22.4
Laurel	.....	.....	.....	(*)	14.5	T.	9.5	.....	.....	.....
Leonardtown	.....	.....	.....	T.	8.0	T.	3.0	.....	.....	11.0
Monrovia	.....	.....	T.	0.5	13.3	1.5	4.0	.....	.....	19.3
Oakland	.....	.....	4.8	6.0	19.3	7.0	4.1	1.0	T.	42.2
Pocomoke City	.....	.....	.....	T.	8.8	T.	7.0	.....	.....	15.8
Porto Bello	.....	.....	T.	T.	(*)	(*)	10.0	(*)	.....	.....
Princess Anne	.....	.....	.....	T.	9.0	T.	10.1	.....	.....	19.1
Rockville	.....	.....	T.	T.	16.0	0.5	8.0	.....	.....	24.5
Salisbury	.....	.....	.....	T.	19.0	T.	8.0	.....	.....	27.0
Solomons	.....	.....	T.	T.	13.1	T.	13.5	.....	.....	26.6
State Sanatorium	.....	.....	T.	3.4	15.3	0.9	7.0	.....	.....	26.6
Sudlersville	.....	.....	.....	T.	18.5	2.4	7.8	.....	.....	28.7
Takoma Park	.....	.....	T.	T.	17.3	1.0	7.0	.....	.....	25.3
Taneytown	.....	.....	.....	(*)	13.0	(*)	4.2	.....	.....	.....
Towson	.....	.....	T.	0.5	15.4	0.6	8.2	T.	.....	24.7
Van Bibber	.....	.....	.....	T.	19.7	T.	(*)	.....	.....	19.7
Westernport	.....	.....	0.2	0.7	14.2	1.0	2.0	0.5	.....	18.6
Westminster	.....	.....	T.	0.5	13.5	1.0	4.3	.....	(*)	.....
Woodstock	.....	.....	T.	T.	10.0	1.5	7.6	.....	.....	19.1
Delaware.										
Delaware City	.....	.....	.....	T.	11.1	0.5	7.0	T.	.....	18.6
Dover	.....	.....	.....	T.	18.0	2.0	11.0	.....	.....	31.0
Milford	.....	.....	.....	T.	18.0	T.	12.5	.....	.....	30.5
Millsboro	.....	.....	.....	T.	13.0	T.	2.5	.....	.....	15.5
Seaford	.....	.....	.....	0.5	19.5	T.	7.5	.....	.....	27.5
Wilmington	(*)	(*)	(*)	(*)	(*)	(*)	7.0	.....	.....	.....
District of Columbia.										
Washington	.....	.....	T.	T.	16.9	1.8	4.4	.....	.....	23.1
Massachusetts.										
Amherst	.....	.....	1.0	4.5	13.3	2.5	12.0	1.0	.....	34.3
Bedford	.....	.....	T.	4.5	16.0	T.	10.5	T.	.....	31.0
Boston	.....	.....	0.3	3.7	17.8	0.2	9.1	0.5	.....	31.6
Concord	.....	.....	2.0	4.3	21.4	0.9	10.6	1.1	.....	40.3
Fitchburg	.....	T.	1.2	6.0	18.0	5.0	13.0	0.8	.....	44.0
Hyannis	.....	.....	.....	5.0	21.2	2.0	5.0	.....	.....	33.2
Jefferson	.....	2.0	3.5	7.0	22.0	.....	7.0	.....	.....	41.5
Nantucket	.....	.....	T.	4.4	14.6	2.5	6.9	T.	.....	28.4
Plymouth	.....	.....	.....	4.0	20.0	0.5	7.0	T.	.....	31.5
Worcester	.....	T.	2.4	7.1	20.1	1.0	9.1	T.	.....	39.7
Michigan.										
Adrian	.....	T.	3.4	2.0	10.2	23.7	14.6	T.	.....	53.9
Allegan	.....	.....	6.0	11.0	25.0	30.0	14.0	0.2	.....	86.2
Alma	.....	T.	7.8	13.5	10.0	24.5	20.0	0.1	.....	75.9
Alpena	.....	T.	17.0	10.8	19.8	14.3	2.9	2.3	0.1	67.2
Ann Arbor	.....	T.	3.3	5.0	9.9	9.3	10.0	.....	0.5	38.0
Arbela	.....	.....	4.5	8.5	7.5	21.0	12.0	T.	.....	53.5
Baraga	.....	.....	17.0	(*)	14.0	(*)	(*)	(*)	.....	.....
Battle Creek	.....	T.	3.5	8.0	8.5	13.5	17.5	T.	.....	51.0
Bay City	.....	.....	5.6	10.0	13.0	40.8	16.4	.....	.....	85.8
Benzonia	(*)	(*)	(*)	(*)	70.9	17.6	4.3	2.0	T.	.....
Bergland	.....	T.	22.4	(*)	(*)	(*)	(*)	(*)	.....	.....
Berlin	.....	0.4	9.1	8.5	8.1	15.2	17.3	0.3	2.0	60.9
Big Rapids	.....	T.	10.0	7.5	(*)	(*)	(*)	(*)	.....	.....
Bloomingdale	.....	.....	6.8	5.8	23.5	6.8	3.2	T.	.....	46.1
Cadillac	.....	.....	22.2	14.0	12.2	15.6	7.3	4.5	.....	75.8
Calumet	.....	1.0	31.5	28.0	40.0	7.0	4.0	8.0	.....	119.5
Cassopolis	.....	.....	11.0	7.0	9.5	10.0	(*)	.....	(*)	.....
Charlevoix	.....	.....	9.0	10.0	36.0	15.0	0.5	2.0	.....	72.5

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Michigan—Continued.										
Charlotte	.....	.....	4.3	(*)	10.0	38.0	11.5	.....	.....	.....
Chatham	.....	2.0	30.7	20.8	17.3	6.9	4.9	2.9	.....	85.5
Cheboygan	.....	T.	23.2	26.0	14.5	12.0	4.0	2.0	.....	81.7
Clinton	.....	T.	4.8	5.0	10.3	13.5	16.1	0.5	.....	50.2
Coldwater	.....	T.	4.2	8.5	5.5	12.6	11.4	T.	.....	42.2
Concord	.....	T.	5.1	4.5	5.0	18.5	12.5	.....	.....	45.6
Croton	.....	.....	1.0	10.0	15.0	10.0	9.0	2.0	.....	47.0
Deer Park	.....	3.0	(*)	(*)	(*)	T.	T.	T.	.....	.....
Detour	.....	T.	7.5	(*)	22.0	9.5	2.0	(*)	.....	.....
Detroit	.....	.....	7.0	3.8	15.1	14.8	15.8	T.	1.5	58.0
Eagle Harbor	.....	T.	21.0	17.1	17.1	3.7	1.0	0.8	.....	60.7
East Tawas	.....	.....	5.0	12.0	(*)	29.0	15.0	(*)	.....	.....
Eloise	.....	T.	5.6	4.5	12.1	14.7	15.9	T.	1.0	53.8
Escanaba	.....	T.	18.1	10.4	8.1	4.2	3.2	T.	.....	44.0
Ewen	.....	0.5	47.5	31.0	13.5	4.5	5.5	8.5	.....	111.0
Flint	.....	.....	2.5	6.0	5.0	12.0	14.0	.....	T.	39.5
Frankfort	.....	.....	16.5	9.0	52.0	9.0	2.0	(*)	.....	.....
Ganges	.....	T.	15.8	12.2	14.6	27.6	7.3	2.0	.....	79.5
Gaylord	.....	T.	17.0	(*)	(*)	(*)	1.0	1.0	.....	.....
Gladwin	.....	T.	4.0	9.0	6.0	12.0	7.5	2.0	.....	40.5
Grand Haven	.....	0.3	8.6	19.2	31.3	25.1	14.9	1.6	.....	101.0
Grand Marais	(*)	(*)	(*)	(*)	70.0	11.0	2.6	T.	.....	.....
Grand Rapids	.....	T.	6.2	15.9	14.7	17.0	13.7	3.0	.....	70.5
Grape	.....	.....	4.2	3.8	8.0	10.8	15.5	T.	1.0	43.3
Grass Lake	.....	T.	9.0	6.0	5.0	15.0	22.0	T.	.....	57.0
Grayling	.....	T.	19.3	15.8	4.0	10.3	6.4	2.0	.....	57.8
Green	.....	.....	32.0	17.0	(*)	(*)	(*)	.....	.....	.....
Harbor Beach	.....	.....	4.5	12.5	40.0	45.0	14.0	2.0	.....	118.0
Harrison	.....	.....	(*)	(*)	5.0	11.5	(*)	3.0	.....	.....
Harrisville	.....	T.	20.0	11.7	22.0	21.4	6.4	2.1	.....	83.6
Hart	.....	.....	11.0	18.0	53.0	19.0	12.0	2.0	.....	115.0
Hayes	.....	.....	7.2	7.8	5.0	25.0	12.5	2.0	T.	59.5
Highland	.....	2.0	7.0	6.0	10.0	19.0	19.0	T.	2.0	65.0
Hillsdale	.....	0.5	9.0	6.8	9.2	20.7	17.0	T.	.....	63.2
Holland	.....	T.	10.0	10.7	30.0	22.6	12.4	1.0	.....	86.7
Houghton	.....	0.1	23.9	24.0	26.4	4.2	3.7	8.6	.....	90.9
Howell	.....	0.4	4.3	4.0	3.3	7.1	11.8	T.	0.3	31.2
Humboldt	.....	T.	40.0	19.0	16.0	T.	4.0	3.0	.....	82.0
Iron Mountain	.....	T.	(*)	12.5	3.0	1.2	0.8	T.	.....	.....
Iron River	.....	T.	17.5	25.0	11.0	5.0	5.0	T.	(*)	.....
Ironwood	.....	T.	46.0	20.0	9.0	5.0	7.0	7.0	.....	94.0
Ishpeming	.....	0.5	33.0	19.9	17.3	0.7	5.3	2.6	.....	79.3
Isle Royale	.....	.....	4.4	(*)	(*)	(*)	(*)	(*)	.....	.....
Ivan	.....	0.2	27.0	11.5	14.0	7.6	7.0	3.0	.....	70.3
Jackson	.....	T.	4.5	6.5	6.0	14.0	7.5	T.	.....	38.5
Jeddo	.....	0.2	6.5	10.1	11.2	17.9	11.5	T.	.....	57.4
Kalamazoo	.....	.....	10.5	13.5	(*)	17.0	11.0	(*)	.....	.....
Lansing (Agricultural College)	.....	0.3	8.2	10.1	10.1	24.5	20.7	.....	.....	73.9
Lansing (capitol)	.....	T.	5.4	12.0	9.2	20.7	16.4	T.	.....	63.7
Lapeer	.....	.....	(*)	3.7	(*)	4.5	16.0	T.	.....	.....
Ludington	.....	T.	8.0	18.0	26.0	15.5	6.0	2.0	.....	75.5
Luther	.....	T.	8.0	11.5	14.2	17.8	11.5	4.0	.....	67.0
Mackinac Island	.....	T.	10.5	9.5	3.0	4.5	5.0	2.5	.....	35.0
Mackinaw	.....	.....	28.0	14.9	20.0	9.0	8.0	.....	.....	79.9
Mancelona	.....	T.	46.5	16.0	20.0	7.0	3.0	2.0	.....	94.5
Manistee	.....	.....	4.0	7.0	20.0	6.0	4.0	3.0	.....	44.0
Maple Ridge	.....	.....	38.0	13.0	6.0	2.0	7.0	.....	.....	66.0
Marquette	.....	0.2	40.0	27.7	25.5	7.5	6.0	4.4	.....	111.3
Menominee	.....	.....	12.0	19.5	6.0	4.2	1.5	.....	.....	43.2
Midland	.....	T.	5.0	12.0	(*)	19.0	12.0	(*)	.....	.....
Morenci	.....	T.	4.0	4.3	6.7	11.4	16.5	.....	.....	42.9
Mount Clemens	.....	.....	4.3	4.5	18.0	10.0	17.0	T.	T.	53.8
Mount Pleasant	.....	.....	2.0	9.5	(*)	(*)	12.5	1.2	.....	.....
Munising	.....	0.5	13.3	17.2	10.5	2.5	1.5	2.5	.....	48.0
Muskegon	.....	T.	5.0	13.0	28.0	20.2	15.2	7.8	.....	89.2
Newberry	.....	0.8	23.7	16.4	35.7	5.4	3.6	1.7	.....	87.3
Old Mission	.....	T.	17.9	12.4	27.6	12.4	4.0	2.0	.....	76.3
Olivet	.....	0.5	11.3	12.5	7.4	15.2	10.0	0.3	.....	63.2
Omer	.....	.....	2.5	11.0	8.5	9.0	14.0	(*)	.....	.....
Onaway	.....	.....	21.0	13.0	7.0	17.0	2.0	(*)	(*)	.....

Monthly and seasonal snowfall, 1911-1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Michigan—Continued.										
Ovid	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Owosso	.....	.....	3.4	6.2	8.2	12.4	13.0	(*)	.....	.....
Petoskey	.....	.....	21.4	15.4	29.5	12.3	2.0	T.	.....	80.6
Plymouth	.....	.....	T.	2.1	5.0	7.0	12.0	T.	T.	26.1
Pontiac	.....	T.	2.7	4.7	11.0	9.5	13.5	T.	0.5	41.9
Port Austin	.....	.....	0.1	2.2	13.0	18.0	11.1	1.0	.....	45.4
Port Huron	.....	.....	7.6	7.0	13.4	20.4	17.7	0.2	2.0	68.3
Powers	(*)	(*)	(*)	10.0	5.0	(*)	2.0	.....	(*)	.....
Reed City	.....	0.5	6.3	12.0	6.5	9.0	4.0	3.0	.....	41.3
Roscommon	.....	0.1	19.2	11.5	14.3	13.1	3.2	1.5	.....	62.9
Saginaw	.....	T.	5.0	9.0	9.5	27.5	21.9	T.	T.	72.9
Saginaw W. S	.....	T.	5.2	7.2	9.5	20.0	17.5	T.	.....	59.4
St. Ignace	.....	T.	16.7	22.9	13.5	6.5	2.5	1.0	.....	63.1
St. James	.....	.....	25.0	10.0	29.0	6.0	(*)	(*)	.....	.....
St. Joseph	.....	T.	1.9	9.0	27.2	48.0	19.0	.....	.....	105.1
Sandusky	.....	.....	4.0	2.1	(*)	18.0	16.0	.....	.....	.....
Saranac	.....	.....	3.0	11.5	10.0	24.0	21.0	.....	.....	69.5
Sault Ste. Marie	.....	0.1	12.5	13.8	22.9	4.7	1.7	0.7	.....	56.4
South Haven	.....	T.	4.1	11.0	19.0	25.0	11.0	T.	.....	70.1
Stanton	(*)	0.6	(*)	16.0	5.6	(*)	(*)	(*)	.....	.....
Thomaston	.....	1.0	33.0	11.5	5.0	5.0	3.5	5.0	.....	64.0
Thornville	.....	0.5	19.5	13.5	17.5	20.5	16.0	T.	3.5	91.0
Traverse City	.....	.....	13.5	15.0	19.0	10.0	5.0	4.0	.....	66.5
Vassar	.....	.....	4.0	7.0	9.0	19.5	20.0	.....	.....	59.5
Victoria	.....	T.	46.7	36.0	26.8	4.0	2.5	6.0	.....	122.0
Watersmeet	.....	T.	24.0	15.5	9.1	3.0	3.9	5.8	.....	61.3
Wasepi	.....	T.	8.0	12.0	5.0	20.0	15.0	T.	.....	60.0
West Branch	(*)	(*)	5.0	(*)	(*)	18.1	10.0	T.	.....	.....
Whitefish Point	.....	T.	37.5	21.3	38.8	8.9	2.7	0.8	.....	110.0
Woodlawn	.....	T.	41.0	23.5	15.5	21.5	5.5	7.0	T.	114.0
Ypsilanti	.....	.....	5.0	3.8	11.6	5.7	16.5	T.	.....	42.6
Minnesota.										
Albert Lea	.....	T.	1.0	19.0	6.0	2.0	6.0	.....	T.	34.0
Alexandria	.....	0.2	10.5	7.5	3.7	2.1	3.2	T.	.....	27.2
Bird Island	.....	T.	6.6	6.3	2.6	2.4	2.9	T.	T.	20.8
Caledonia	.....	T.	3.7	19.5	6.2	5.8	11.9	T.	.....	47.1
Collegeville	.....	.....	18.2	5.5	3.6	1.0	2.0	0.2	.....	30.5
Crookston	.....	T.	14.5	4.2	5.5	4.5	7.0	T.	.....	35.7
Detroit	.....	T.	11.5	3.0	5.7	6.1	5.0	T.	.....	31.3
Duluth	.....	T.	16.7	24.3	5.6	5.2	5.8	6.4	T.	64.0
Farmington	.....	T.	7.9	17.0	6.0	2.0	4.0	0.5	.....	37.4
Fergus Falls	.....	0.5	13.4	6.4	4.0	1.6	3.5	0.1	.....	29.5
Grand Meadow	.....	T.	6.0	22.5	8.5	7.3	11.0	1.7	.....	57.0
Hallock	.....	.....	4.0	(*)	2.2	1.0	1.0	1.0	.....	.....
Long Prairie	.....	.....	6.0	(*)	2.0	3.0	3.0	.....	.....	.....
Minneapolis	.....	T.	12.1	14.4	8.4	2.7	4.6	0.5	.....	42.7
Montevideo	.....	.....	23.5	8.5	3.2	1.1	4.7	T.	.....	41.0
Moorhead	.....	.....	9.0	7.4	3.9	1.0	2.4	T.	.....	23.7
Morris	.....	T.	13.3	7.0	4.5	1.9	7.0	.....	.....	33.7
New Ulm	.....	T.	5.6	11.0	11.4	4.5	9.7	T.	.....	42.2
Park Rapids	.....	1.4	5.7	6.2	3.1	2.4	2.4	0.3	.....	21.5
Pokegama Falls	.....	0.7	7.1	7.0	3.9	0.7	2.7	T.	.....	22.1
Reeds Landing	.....	.....	9.5	17.7	6.6	2.2	4.7	.....	.....	40.7
St. Paul	.....	.....	12.1	13.2	7.3	1.8	3.9	1.0	.....	39.3
Sandy Lake Dam	.....	.....	5.7	7.4	1.8	T.	5.0	.....	.....	19.9
Virginia	.....	T.	17.0	10.8	2.5	2.6	(*)	T.	T.	.....
Winnibigoshish	.....	0.3	12.0	12.6	4.2	2.7	1.3	0.2	.....	33.3
Mississippi.										
Aberdeen	.....	.....	.....	.....	T.	T.	.....	.....	.....	T.
Agricultural College	.....	.....	.....	T.	1.0	.....	.....	.....	.....	1.0
Anguilla	.....	.....	T.	.....	.....	T.	.....	.....	.....	T.
Austin	.....	.....	T.	.....	T.	0.5	.....	.....	.....	0.5
Batesville	.....	.....	.....	.....	0.5	.....	.....	.....	.....	0.5
Bay St. Louis	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Big Creek	.....	.....	T.	.....	0.5	0.8	T.	.....	.....	1.3
Biloxi	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Booneville	.....	.....	.....	.....	4.6	1.2	.....	.....	.....	5.8

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Mississippi—Continued.										
Brookhaven					T.					T.
Byhalia					5.3					5.3
Canton					T.					T.
Charleston										0.0
Clarksdale					T.	T.				T.
Cleveland			T.			T.				T.
Coffeeville										0.0
Columbia										0.0
Columbus					T.	T.				T.
Corinth			T.		0.5	T.				0.5
Crenshaw			T.		3.0	T.				3.0
Crystal Springs					T.					T.
Denmark					0.5					0.5
Duck Hill			T.		T.					T.
Edinburg					T.					T.
Edwards										0.0
Enid										0.0
Enterprise										0.0
Fayette					T.					T.
Fulton					1.0	1.5				2.5
Greenville			T.		T.					T.
Greenwood					T.	T.				T.
Grenada					T.					T.
Hattiesburg										0.0
Hazlehurst					T.					T.
Hernando			T.		1.7	T.				1.7
Hickory										0.0
Hickory Flat					1.2					1.2
Holly Springs			T.		3.5					3.5
Jackson					0.2	T.				0.2
Kosciusko					T.	T.				T.
Lake										0.0
Lake Como				(*)	(*)	(*)				
Lake Cormorant					3.0	T.				3.0
Laurel					2.0	T.				2.0
Leakesville										0.0
Louisville					T.	T.				T.
Lula					T.					T.
McNeill										0.0
Macon					T.	T.				T.
Magnolia					(*)	T.				
Malone			T.		1.0	T.				1.0
Marks					0.6					0.6
Meridian					T.	T.				T.
Merrill										0.0
Monticello					0.9					0.9
Natchez					T.					T.
New Albany			T.		1.4	T.				1.4
Okolona					T.					T.
Pascagoula										0.0
Pearlington										0.0
Pontotoc					3.7	T.				3.7
Porterville										0.0
Port Gibson					T.					T.
Rosedale						T.				T.
Senatobia					2.0					2.0
Shoccoe										0.0
Shubuta					0.9					0.9
Suffolk					T.	T.				T.
Swan Lake										0.0
Tchula			T.		T.	T.	T.			T.
Tupelo					T.	T.				T.
University					2.0	0.5				
Utica					T.					T.
Vicksburg					T.	T.				T.
Water Valley					T.	T.	T.			T.
Waynesboro					T.					T.
Woodland					0.8	1.0				1.8
Woodville					T.					T.
Yazoo City					T.	T.				T.

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Missouri.										
Amoret		T.	T.	T.	4.0	6.5	15.0	.....	.....	25.5
Appleton City	.....	.....	1.5	2.5	6.5	3.0	16.0	.....	.....	29.5
Arthur	.....	.....	T.	1.0	3.0	11.0	19.0	.....	.....	34.0
Arlington	.....	(*)	(*)	(*)	(*)	(*)	18.0	T.	.....	.....
Avalon	.....	.....	1.0	3.0	4.0	18.0	19.0	.....	.....	45.0
Belle	.....	.....	3.0	8.0	13.0	26.0	19.0	.....	.....	69.0
Bethany	.....	T.	0.2	12.0	T.	20.0	13.0	.....	.....	45.2
Birchtree	.....	.....	.....	.....	10.0	15.0	5.5	.....	.....	30.5
Bolivar	.....	.....	.....	8.0	13.0	25.0	8.5	.....	.....	54.5
Boonville	.....	.....	2.0	3.5	6.0	3.5	24.5	.....	.....	39.5
Brunswick	.....	T.	1.0	2.0	3.0	10.0	19.7	.....	.....	35.7
Cardwell	.....	.....	.....	.....	4.0	5.5	T.	.....	.....	9.5
Cape Girardeau	.....	(*)	(*)	(*)	13.0	(*)	(*)	.....	.....	.....
Caruthersville	.....	.....	T.	.....	7.0	5.0	.....	.....	.....	12.0
Cassville	.....	.....	0.1	5.6	4.5	17.0	1.1	T.	.....	28.3
Columbia	.....	T.	2.8	10.8	4.3	4.8	23.4	0.1	.....	46.2
Clinton	.....	.....	.....	2.5	6.0	1.5	23.0	.....	.....	33.0
Conception	.....	0.2	1.7	12.0	1.0	35.0	23.0	.....	.....	72.9
Crocker	.....	.....	0.5	6.4	11.0	27.5	11.9	.....	.....	57.3
Dean	.....	.....	0.2	11.5	3.0	13.5	1.0	.....	.....	29.2
Doniphan	.....	.....	T.	.....	3.0	4.0	3.0	.....	.....	10.0
Eldorado Springs	.....	.....	1.0	4.0	8.0	16.0	23.0	T.	.....	52.0
Fayette	.....	T.	0.2	4.5	6.8	5.2	28.5	T.	.....	45.2
Fulton	.....	.....	0.3	6.0	4.3	6.0	22.3	.....	.....	38.9
Gano	.....	T.	1.2	3.7	18.8	25.9	14.8	0.3	.....	64.7
Glasgow	.....	.....	4.0	3.0	8.0	11.0	23.0	.....	.....	49.0
Goodland	.....	.....	.....	.....	18.5	18.0	6.0	.....	.....	42.5
Gorin	.....	.....	0.7	2.9	2.0	4.4	5.6	5.0	.....	20.6
Grant City	.....	2.5	3.0	15.0	1.0	17.3	12.0	.....	.....	50.8
Hannibal	.....	T.	2.3	9.6	4.3	6.4	14.6	T.	.....	37.2
Harrisonville	.....	T.	0.5	2.0	9.0	7.8	39.7	.....	.....	59.0
Hazelhurst	.....	.....	1.5	5.5	2.2	10.5	16.9	.....	.....	36.6
Hermann	.....	.....	T.	2.0	8.0	14.0	22.0	.....	.....	46.0
Houston	.....	T.	1.0	3.0	16.0	25.0	13.0	T.	.....	58.0
Hollister	.....	.....	T.	4.0	3.0	18.0	1.0	.....	.....	26.0
Ironton	.....	T.	0.5	T.	19.0	24.2	13.5	.....	.....	57.2
Jackson	.....	0.5	.....	.....	18.0	15.0	2.5	.....	.....	36.0
Jefferson City	.....	T.	0.7	10.0	10.0	9.0	34.8	.....	.....	64.5
Joplin	.....	.....	.....	.....	.....	.....	4.0	.....	.....	.....
Kansas City	.....	T.	2.6	3.3	5.9	15.0	40.2	.....	.....	67.0
Kidder	.....	.....	0.4	9.0	3.0	4.8	23.0	T.	.....	40.2
Koshkonong	.....	.....	T.	T.	3.0	10.0	2.0	.....	.....	15.0
Lamar	.....	.....	T.	3.5	6.5	12.0	11.5	T.	.....	33.5
Lamonte	.....	T.	1.0	2.1	3.1	3.1	18.0	.....	.....	27.3
Lebanon	.....	.....	1.0	9.5	10.0	22.0	5.5	T.	.....	48.0
Lexington	.....	T.	0.7	4.0	2.8	9.0	29.5	.....	.....	46.0
Liberty	.....	0.2	3.0	3.0	6.5	11.5	40.2	.....	.....	64.4
Lockwood	.....	T.	0.5	9.0	6.0	19.2	9.5	.....	.....	44.2
Louisiana	.....	T.	0.7	8.0	6.0	13.0	15.7	T.	.....	43.4
Marble Hill	.....	4.0	.....	.....	15.0	11.0	7.0	.....	.....	37.0
Marshall	.....	T.	0.5	2.0	7.7	9.5	28.0	.....	.....	47.7
Maryville	.....	2.0	0.8	18.0	1.5	30.0	20.0	.....	.....	72.3
Mexico	.....	T.	4.1	12.0	4.1	7.5	22.1	.....	.....	49.8
Mountaingrove	.....	4.0	T.	2.0	14.0	19.0	6.0	T.	.....	45.0
Mount Vernon	.....	.....	2.0	2.8	5.0	20.0	3.5	T.	.....	33.3
Neosho	.....	.....	2.0	9.0	5.0	20.0	2.0	0.5	.....	38.5
Nevada	.....	.....	0.2	1.5	6.0	15.0	15.5	T.	.....	38.2
New Madrid	.....	.....	.....	.....	4.0	(*)	(*)	(*)	.....	.....
Oakfield	.....	T.	1.8	3.5	10.0	17.0	39.5	.....	.....	71.8
Olden	.....	T.	T.	.....	10.5	11.8	1.0	.....	.....	23.3
Oregon	.....	.....	0.5	8.7	1.0	18.0	24.3	1.8	.....	54.3
Pattonsburg	.....	.....	.....	10.0	(*)	(*)	(*)	(*)	.....	.....
Rolla	.....	T.	0.5	4.5	11.5	23.9	15.3	2.0	.....	57.7
Springfield	.....	0.1	0.6	13.6	7.6	23.9	8.0	0.5	.....	54.3
St. Charles	.....	T.	1.5	3.0	3.5	14.0	27.5	.....	.....	49.5
St. Joseph	.....	T.	2.0	6.8	0.9	15.6	17.7	T.	.....	43.0
St. Louis (1)	.....	T.	1.4	2.6	13.2	21.2	28.8	T.	.....	67.2
St. Louis (2)	.....	T.	3.4	5.1	19.5	34.2	33.7	T.	.....	95.9
Steffenville	.....	T.	2.2	4.0	3.0	7.0	18.0	T.	.....	34.2
Sublett	.....	(*)	0.5	8.7	(*)	(*)	(*)	5.0	.....	.....

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Missouri—Continued.										
Trenton	.....	T.	1.0	5.0	2.1	16.0	14.0	T.	.....	38.1
Unionville	.....	T.	3.0	8.0	1.0	22.5	22.0	0.3	.....	56.8
Vandalia	.....	.....	0.4	9.0	4.5	8.5	9.9	T.	.....	32.3
Warrensburg	.....	.....	1.3	T.	2.7	4.3	33.1	.....	.....	41.4
Warrenton	.....	T.	1.5	5.0	6.2	17.0	30.8	.....	.....	60.5
Warsaw	.....	T.	0.5	7.0	9.0	7.5	26.5	.....	.....	50.5
Wheatland	.....	.....	3.0	12.0	6.0	13.0	19.0	0.3	.....	53.3
Montana.										
Adel	.....	15.5	12.0	19.0	10.0	6.0	11.0	60.0	3.0	82.5
Agricultural College	.....	2.8	10.0	7.1	11.9	1.4	10.0	10.0	.....	53.2
Anaconda	T.	5.0	9.3	3.4	7.0	3.7	10.5	6.0	5.5	50.4
Augusta	6.0	3.4	14.5	3.0	(*)	4.0	8.0	.....	.....	.....
Babb	15.0	2.0	36.0	4.0	21.3	2.7	6.5	1.5	.....	89.0
Badger Creek	12.7	(*)	(*)	(*)	(*)	(*)	(*)	(*)	T.	.....
Bald Butte	3.1	16.3	25.6	15.6	21.0	12.1	20.5	18.2	24.9	157.3
Bigtimber	.....	2.0	5.0	2.0	6.0	3.5	15.0	2.0	3.0	38.5
Bigtimber Creek	1.0	6.5	14.5	4.0	6.8	6.6	10.5	9.0	11.0	69.9
Billings	.....	0.4	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Blackleaf	(*)	(*)	(*)	(*)	11.9	(*)	7.6	11.6	.....	.....
Boulder Nursery	(*)	9.5	(*)	6.0	2.3	0.4	12.5	24.5	12.0	.....
Bowen	(*)	18.0	12.7	11.3	5.0	4.1	7.0	T.	4.0	.....
Bridger	.....	2.5	10.0	1.0	2.0	9.0	0.4	.....	0.5	25.4
Broadview	2.0	T.	7.0	2.0	2.0	5.0	14.0	15.0	.....	47.0
Busby	.....	2.6	10.8	15.0	7.3	5.9	11.7	2.0	28.0	83.3
Busteed	2.0	9.5	6.0	2.6	7.6	4.1	17.7	1.5	2.5	53.5
Butte	5.0	32.5	9.5	11.2	3.5	5.5	10.0	1.0	T.	78.2
Cabin Creek	T.	20.3	10.0	2.5	4.0	3.4	10.0	20.5	19.5	90.2
Canyon Ferry	0.7	0.2	4.0	6.5	3.0	4.0	7.5	(*)	(*)	.....
Cascade	1.0	4.2	7.5	8.3	6.9	2.8	10.1	5.0	T.	45.8
Chessman Reservoir	4.2	17.5	25.8	12.3	12.0	11.4	26.2	20.8	28.0	158.2
Chester	5.0	2.0	12.4	4.0	3.0	T.	3.0	(*)	.....	.....
Chinook	(*)	2.6	(*)	(*)	7.4	0.1	0.7	(*)	.....	.....
Clear Creek	.....	2.0	14.3	5.0	10.5	2.0	(*)	8.0	.....	.....
Clemens	7.5	7.9	13.7	7.4	16.9	7.4	13.2	4.2	1.2	79.4
Clydepark	.....	4.4	8.0	4.5	5.0	3.5	16.0	11.0	3.0	55.4
Columbia Falls	1.0	.....	22.7	33.3	40.9	13.0	4.9	T.	.....	115.8
Como	.....	T.	11.0	11.0	13.0	8.0	21.5	.....	T.	64.5
Conrad	(*)	1.2	2.2	3.0	(*)	(*)	1.5	3.3	(*)	.....
Copper	1.0	4.5	10.5	11.5	11.0	1.9	14.5	4.0	0.5	59.4
Crow Agency	T.	2.0	8.1	11.2	5.3	5.6	14.7	10.8	T.	57.7
Culbertson	.....	1.0	6.0	5.0	3.0	3.5	7.5	2.5	.....	28.5
Cut Bank	(*)	.....	(*)	0.5	1.0	T.	1.0	(*)	(*)	.....
Denton	0.2	2.5	8.2	4.0	14.0	4.2	13.2	8.5	T.	54.8
Dillon	.....	1.0	17.5	8.5	6.8	0.4	21.9	18.0	6.0	80.1
Dirty Creek	.....	3.2	20.9	11.5	23.5	9.6	19.1	1.8	4.0	93.6
Dry Creek	1.0	4.8	5.0	26.4	9.0	9.0	21.0	8.2	5.9	90.3
Dry Wolf Camp	1.8	14.2	20.5	30.0	10.0	14.5	18.0	16.1	15.8	140.9
East Anaconda	0.3	6.2	7.1	3.9	6.6	3.1	8.7	0.4	5.5	41.8
East Gallatin River	.....	10.7	19.0	27.4	18.0	16.5	27.5	14.0	15.0	148.1
Ekalaka	.....	1.6	(*)	(*)	(*)	2.1	3.8	6.1	T.	.....
Elkhorn	1.0	15.5	16.0	23.0	14.2	6.2	23.0	14.6	10.5	124.0
Fallon	.....	T.	1.0	2.2	4.4	T.	1.8	(*)	.....	.....
Fish Creek	6.6	24.0	28.0	26.4	3.5	7.9	29.7	34.4	21.2	181.7
Flathead Creek	T.	4.9	7.3	7.2	6.9	2.9	3.9	3.2	1.8	38.1
Fort Benton	.....	.....	6.0	5.0	9.5	1.0	5.0	(*)	.....	.....
Fortine	.....	T.	18.0	14.5	(*)	4.5	5.8	(*)	.....	.....
Fort Shaw	3.0	4.0	2.5	4.1	4.5	2.9	4.0	1.5	.....	26.5
Foster	.....	T.	4.0	3.4	1.2	0.8	2.3	4.0	.....	15.7
Garneil	(*)	5.0	16.5	33.5	26.0	27.0	36.0	11.0	14.0	.....
Glasgow	.....	T.	5.0	2.7	10.0	0.5	3.5	(*)	T.	.....
Glendive	.....	2.5	6.3	5.8	3.5	0.5	11.0	4.0	.....	33.6
Goldbutte	6.0	3.0	5.4	6.0	5.5	0.5	1.0	.....	.....	27.4
Graham	.....	1.0	8.5	7.4	2.3	5.4	(*)	15.0	T.	.....
Grayling	.....	5.0	16.0	12.0	12.0	6.0	(*)	11.0	0.2	.....
Great Falls	T.	4.1	6.6	9.1	10.3	7.0	11.9	6.5	0.0	55.5
Half Way House	0.1	0.4	18.5	33.2	(*)	16.2	14.1	8.2	1.9	.....
Hamilton	.....	.....	4.3	9.0	(*)	T.	2.8	T.	.....	.....
Harlowton	(*)	2.0	1.3	1.0	5.5	T.	19.8	0.4	.....	30.0

Monthly and seasonal snowfall, 1911–1912.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Montana—Continued.										
Hat Creek	2.9	18.3	24.4	18.5	(*)	T.	2.8	T.	.....	.....
Havre	4.8	0.6	11.1	3.3	8.6	2.0	3.0	8.9	.....	42.3
Helena	1.2	8.2	11.0	5.5	10.1	2.5	8.7	4.6	T.	51.8
Highwood	0.5	16.7	14.0	21.4	16.9	6.5	15.0	12.0	7.0	110.0
Huntley	.....	T.	5.0	6.6	3.3	2.4	8.5	2.0	.....	27.8
Jones Canyon	.....	20.0	34.0	53.0	25.5	34.0	47.5	45.0	3.0	262.0
Jordan	(*)	(*)	6.0	(*)	5.0	2.0	(*)	(*)	(*)	.....
Kalispell	T.	T.	16.2	9.5	19.9	1.9	1.2	T.	.....	48.7
Knobles Ranch	7.5	6.2	7.0	5.4	5.3	2.0	0.9	3.0	T.	37.3
Lewistown	T.	7.5	19.2	12.7	14.7	5.0	10.0	11.5	(*)	.....
Libby	(*)	.....	14.0	4.9	11.0	2.5	6.0	(*)	.....	.....
Lonetree	.....	4.5	7.0	5.0	12.0	3.0	5.5	10.0	.....	47.0
Lost Creek	4.0	4.0	10.0	5.4	4.5	9.0	12.0	7.0	1.0	56.9
Lytle	(*)	(*)	(*)	(*)	(*)	(*)	3.3	5.5	.....	.....
Malta	T.	0.5	4.5	1.5	9.8	0.5	1.5	6.0	.....	24.3
Medicine Lake	.....	.....	1.5	4.0	1.0	1.0	4.0	4.0	(*)	.....
Mildred	.....	T.	2.2	6.0	6.0	T.	1.1	8.0	T.	23.3
Miles City	.....	0.5	7.7	13.4	7.0	3.9	13.5	11.0	17.0	74.0
Missoula	(*)	.....	2.6	8.4	9.5	3.0	(*)	(*)	(*)	.....
Norris	.....	7.5	11.8	4.5	1.0	1.2	16.9	8.0	9.5	60.4
Nye	T.	12.0	18.3	6.6	5.7	12.3	27.7	66.0	4.0	152.6
Olsen Creek	.....	30.7	12.6	17.7	4.3	6.6	10.5	3.0	8.6	67.0
Ophir	1.5	16.0	15.5	7.4	7.7	9.5	6.0	7.0	24.5	95.1
Ovando	.....	2.5	(*)	32.5	36.1	15.8	11.5	1.0	2.0	.....
Philipsburg	3.0	9.0	11.0	5.5	6.0	4.5	11.0	3.0	23.0	76.0
Pipestone Pass	1.5	17.5	18.5	23.0	5.0	11.5	22.5	18.0	4.0	121.5
Plains	.....	.....	10.5	2.0	8.0	5.0	5.0	(*)	.....	.....
Pleasant Valley	(*)	T.	14.5	10.6	17.0	12.7	14.0	1.0	T.	.....
Polson	.....	.....	10.0	10.0	12.0	0.4	(*)	.....	.....	.....
Poplar	.....	T.	6.5	10.0	0.2	T.	6.0	T.	.....	22.7
Proctor	(*)	(*)	(*)	8.0	13.0	2.0	7.0	(*)	.....	.....
Red Lodge	.....	10.5	20.0	6.5	5.9	18.0	18.0	26.1	6.0	111.0
Renova	.....	1.0	2.0	1.2	1.5	T.	12.2	0.5	T.	18.4
Ryegate	(*)	4.0	6.0	(*)	5.0	1.5	(*)	(*)	.....	.....
St. Ignatius	.....	.....	11.6	7.5	12.5	4.0	2.7	.....	.....	38.3
Saltese	.....	.....	42.0	29.0	26.0	18.0	21.0	.....	.....	136.0
Seville	6.5	3.0	13.0	(*)	5.7	1.9	3.5	0.7	.....	.....
Shelby	5.2	2.0	0.4	(*)	(*)	(*)	(*)	T.	.....	.....
Sidney	.....	1.0	12.8	4.2	6.2	3.5	11.0	2.0	.....	40.7
Spokane Ranch	0.8	1.0	7.0	2.3	3.0	2.9	10.5	2.0	.....	29.5
Springbrook	T.	2.8	15.4	6.1	13.4	1.9	18.2	6.5	T.	64.3
Stearns	(*)	2.3	16.3	7.5	23.5	3.0	11.8	5.0	.....	.....
Stevensville	.....	.....	6.6	3.8	2.2	4.1	4.3	3.0	1.5	25.5
Sunlit Farm	2.0	T.	5.0	1.5	3.3	0.2	0.6	6.0	4.0	22.6
Sun River Canyon	(*)	1.0	28.0	4.0	(*)	(*)	7.5	T.	.....	.....
Thompson Falls	.....	.....	13.5	3.3	16.2	4.5	9.0	(*)	(*)	.....
Three Forks	.....	(*)	5.0	(*)	2.0	(*)	(*)	(*)	(*)	.....
Tokna	.....	0.5	9.0	4.0	5.5	0.5	12.0	2.0	.....	33.5
Trail Creek	2.0	18.9	27.0	25.2	16.7	16.9	11.4	23.5	16.9	158.5
Utica	1.3	7.5	9.0	5.0	10.0	6.0	16.0	(*)	6.0	.....
Valentine	0.3	(*)	2.1	3.0	9.0	T.	5.8	(*)	.....	.....
Valier	6.2	3.4	10.2	3.5	5.0	1.0	0.7	2.5	.....	32.5
Virginia City	.....	4.5	13.3	10.0	1.7	4.4	10.5	19.4	.....	63.8
Wall Rock Mountain	.....	2.6	13.0	23.2	8.4	6.7	23.7	(*)	.....	.....
Warm Springs Creek	9.4	11.6	10.8	14.4	10.5	15.6	16.2	24.9	12.5	125.9
Wheaton	2.5	0.8	6.5	3.0	8.0	2.0	10.0	(*)	2.0	.....
White Sulphur Springs	T.	(*)	4.3	7.5	7.5	5.0	15.0	4.0	.....	.....
Wilder	T.	T.	6.0	2.0	12.0	T.	7.0	2.0	.....	29.0
Willow Glen Stock Farm	0.5	11.0	6.0	(*)	(*)	T.	(*)	(*)	(*)	.....
Wolf Creek	(*)	(*)	(*)	(*)	5.4	0.1	2.8	.....	.....	.....
Woodville	.....	28.5	10.0	13.2	5.8	8.8	11.2	10.1	10.0	97.6
Nebraska.										
Ainsworth	.....	9.4	1.3	8.1	10.0	10.5	26.0	2.0	.....	67.3
Albion	.....	2.0	1.4	12.0	5.0	6.0	42.0	.....	.....	68.4
Alliance	.....	6.0	1.0	5.2	4.0	3.5	9.0	7.0	4.0	39.7
Alma	.....	3.0	0.7	5.3	5.0	5.0	26.0	.....	.....	45.0
Ashland	.....	T.	0.2	11.0	1.8	12.2	24.7	.....	.....	49.9
Atkinson	.....	8.0	2.0	5.5	8.7	3.2	30.0	T.	.....	57.4

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nebraska—Continued.										
Auburn		2.0	T.	8.5	T.	21.5	19.0			51.0
Aurora		3.5	1.5	7.0	9.5	12.0	19.0			52.5
Beatrice			0.5	8.0	1.5	16.0	22.0			48.0
Bellevue		T.	3.7	15.0	3.2	15.5	21.0			58.4
Blair		T.	2.2	13.5	8.8	7.2	39.0			70.7
Bloomfield		4.0	5.5	8.5	4.5	5.5	30.2			58.2
Bradshaw		4.0	T.	9.0	5.0	9.0	25.5			52.5
Bridgeport		T.	1.0	4.0	4.5	4.2	19.5	0.5	T.	33.7
Broken Bow		T.	T.	7.0	6.0	2.0	25.0	T.		40.0
Butte		5.0	1.0	5.0	4.2	2.0	18.0			35.2
Cambridge			1.0	7.0	3.0	5.3	34.0			50.3
Crete		0.2	0.5	9.0	0.7	18.5	19.0			47.9
David City		T.	0.2	7.5	8.7	10.2	38.7	T.		65.3
Ewing		3.5	5.0	9.2	8.5	3.0	39.0	T.		68.2
Fairbury		T.	T.	9.2	1.0	23.0	24.7			57.9
Fairmount		2.2	0.8	7.5	3.2	10.5	25.5			49.7
Franklin		1.0	T.	7.0	2.5	8.2	24.0			42.7
Fremont		T.	1.0	12.0	10.0	11.5	38.5			73.0
Fullerton		T.	0.5	10.5	15.0	8.0	40.0			74.0
Geneva		2.0	0.8	8.1	1.8	13.5	21.8			48.0
Genoa		0.5	0.5	9.0	5.6	10.0	34.3	T.		59.9
Gosper			1.5	5.0	2.5	3.5	21.0			33.5
Grand Island		T.	0.2	6.0	5.0	7.5	34.0			52.7
Grant		T.	1.5	13.0	3.0	7.0	27.5			52.0
Greeley		1.0	1.9	16.0	7.4	7.6	46.4			80.3
Guide Rock		1.0	0.5	12.0	1.0	12.2	19.2			45.9
Halsey		1.5	1.2	8.5	5.5	4.9	32.7			54.3
Hartington		2.0	5.5	11.0	4.0	6.2	18.2			46.9
Hastings		1.0	3.0	7.0	5.0	10.2	28.0			54.2
Hay Springs		8.0	10.0	3.7	2.0	3.5	11.0	13.0	8.0	59.2
Hebron		T.	T.	7.5	0.8	14.0	16.5			38.8
Hendley			1.0	11.0	3.5	4.0	33.0			52.5
Hillside		0.7	3.3	8.9	13.5	7.8	36.6	2.0	2.0	74.8
Holdrege		1.0	0.5	10.0	5.5	8.2	26.0			51.2
Kimball		T.	2.5	4.5	4.0	7.5	19.0	3.0		40.5
Kirkwood		4.0	T.	5.0	4.5	3.0	19.5	T.		36.0
Lincoln		T.	0.5	9.3	1.1	14.3	21.3			46.5
Lodgepole		T.	2.0	6.0	9.0	9.0	29.0	T.		55.0
McCool Junction		0.5	T.	12.0	3.0	13.0	33.0			61.5
Madison		T.	1.5	14.5	7.8	8.0	34.0	T.		65 8
Marquette		2.5	1.0	4.2	4.0	9.0	21.0			41.7
Minden		1.8	0.8	11.7	4.8	7.2	23.6			49.9
Mitchell		1.0	2.0	5.8	4.5	5.5	11.3	0.5		30.6
Nebraska City		T.	3.5	10.5	2.2	35.5	27.0			78.7
Norfolk		0.5	2.8	12.0	10.5	8.5	35.5	T.		69.8
North Loup		T.	0.7	8.5	5.0	5.5	35.8			55.5
North Platte			0.2	6.5	8.5	5.2	27.8	0.1		48.3
Oakdale		1.0	1.8	9.3	4.1	3.7	27.0	T.		46.9
Omaha		T.	2.8	14.1	2.9	18.5	29.2			67.5
Palisade			T.	10.0	2.0	2.5	14.5			29.0
Pawnee City			0.2	6.0		22.7	16.0			44.9
Purdum		3.5	1.3	4.5	4.9	7.0	41.0	0.3		62.5
Red Cloud		1.0	T.	8.0	1.2	8.5	24.5			43.2
St. Libory		2.0	0.5	13.0	6.0	8.0	22.2			51.7
St. Paul		2.0	0.5	7.5	3.7	3.0	22.5			39.2
Scottsbluff		1.6	0.3	5.8	6.0	8.3	14.4	3.0		39.4
Sidney		2.0	2.4	7.0	8.0	15.0	22.0	5.8	3.5	65.7
Springview		5.0	5.0	5.0	7.5	5.0	22.0			49.5
Stanton		1.0	2.5	11.0	11.5	11.0	35.0			72.0
Syracuse		T.	T.	11.8	2.5	25.0	39.0			78.3
Table Rock		T.	0.5	9.5	1.1	28.0	18.5			57.6
Tekamah		0.5	0.8	18.0	7.0	8.0	33.0			67.3
Valentine		3.9	0.5	3.2	5.1	3.4	12.6	T.		28.7
Wahoo				14.0	3.0	12.0	40.0			69.0
Wakefield			4.3	10.2	8.8	9.3	25.4			58.0
Wauneta				15.0	2.0	7.0	23.5			47.5
Weeping Water		T.	0.5	10.2	1.2	24.4	31.0			67.3
Westpoint		T.	2.0	10.0	13.0	5.0	27.0			57.0
York		3.0	2.0	7.7	4.2	12.0	20.2			49.1

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nevada.										
Arthur	.....	5.0	9.0	15.0	25.0	11.5	44.0	52.0	12.5	174.0
Battle Mountain	.....	.....	2.0	8.0	4.0	T.	10.0	17.5	.....	41.5
Beowawe	.....	.....	0.2	8.8	6.0	2.0	9.7	7.5	.....	34.2
Cherry Creek	.....	0.5	5.0	7.9	4.5	2.5	47.5	8.0	.....	75.9
Clover Valley	.....	T.	T.	4.7	(*)	.....	5.0	.....	.....	.....
Columbia	.....	.....	.....	2.0	1.5	.....	8.0	2.0	T.	13.5
Elko	.....	T.	0.8	8.8	4.5	1.2	(*)	T.	T.	.....
Eureka	.....	2.5	3.5	28.0	9.5	1.5	39.0	5.0	2.0	91.0
Falion	.....	.....	T.	1.5	T.	1.0	2.0	T.	.....	4.5
Geyser	.....	.....	.....	6.0	2.0	.....	22.0	(*)	.....	.....
Glenbrook	(*)	(*)	6.0	29.0	16.0	T.	19.5	12.0	(*)	.....
Golconda	.....	.....	3.0	4.0	T.	T.	T.	(*)	.....	.....
Halleck	.....	T.	1.0	4.7	4.0	T.	6.7	8.0	1.0	25.4
Lewers' Ranch	.....	.....	.....	13.0	.....	.....	(*)	3.0	.....	.....
Lovelocks	.....	.....	.....	0.9	.....	0.2	(*)	(*)	.....	.....
Massacre Lakes	T.	0.5	6.0	4.5	2.5	1.0	12.0	(*)	T.	.....
Millett	.....	.....	.....	3.0	6.9	.....	13.0	.....	.....	22.9
North Fork	.....	T.	11.0	8.6	9.0	4.6	18.2	11.5	.....	62.9
Potts	.....	.....	5.0	9.0	1.0	1.5	15.0	9.0	.....	40.5
Quinn River Ranch	.....	.....	.....	2.0	0.5	.....	(*)	.....	.....	.....
Reno	.....	.....	0.2	5.0	3.7	0.1	8.2	T.	0.5	17.7
San Jacinto	.....	T.	7.5	7.0	2.5	1.0	(*)	11.5	.....	.....
Skelton	.....	.....	T.	10.0	2.5	7.0	23.0	5.0	T.	47.5
Smith	.....	.....	.....	3.7	1.0	.....	2.0	.....	1.5	8.2
Spooners Ranch	.....	1.0	7.0	24.0	22.0	.....	30.0	9.5	7.0	100.5
Tecoma	.....	.....	1.0	7.0	4.0	0.5	2.7	0.4	.....	15.6
Tonopah	.....	.....	0.5	4.3	1.3	0.5	9.5	3.0	T.	19.1
Wells	.....	1.0	4.0	2.0	11.0	0.4	3.2	(*)	.....	.....
Winnemucca	.....	T.	1.5	5.0	0.9	0.8	2.9	9.6	0.2	20.9
New Hampshire.										
Bethlehem	0.5	4.0	8.5	3.5	20.5	13.0	13.5	16.5	3.5	83.0
Brookline	.....	.....	2.0	5.0	15.5	5.5	12.2	1.5	.....	41.7
Concord	T.	0.2	4.7	5.8	21.4	8.2	11.3	7.3	.....	58.9
Grafton	1.0	1.0	5.0	5.0	21.0	11.0	10.0	11.0	.....	65.0
New Jersey.										
Asbury Park	.....	.....	T.	4.0	(*)	(*)	(*)	.....	.....	.....
Atlantic City	.....	.....	.....	0.9	11.7	1.1	7.3	.....	.....	21.0
Bayonne	.....	.....	1.0	8.5	11.3	2.5	4.8	T.	.....	28.1
Belvidere	.....	.....	5.0	6.3	9.5	4.0	5.8	.....	.....	30.6
Bergen Point	.....	.....	0.5	8.0	12.0	2.5	6.0	.....	.....	29.0
Boonton	.....	.....	4.0	9.2	18.2	3.7	8.3	T.	.....	43.4
Bridgeton	.....	.....	.....	T.	13.0	3.0	8.0	.....	.....	24.0
Burlington	.....	.....	.....	1.9	16.4	2.6	6.3	.....	.....	27.2
Canton	.....	.....	.....	T.	13.2	1.0	(*)	.....	.....	.....
Cape May	.....	.....	.....	T.	11.9	1.0	8.0	.....	.....	20.9
Charlotteburg	.....	.....	4.0	9.0	13.1	3.0	5.5	.....	.....	34.6
Chatham	.....	.....	2.5	10.0	11.3	2.5	6.5	.....	.....	32.8
Clayton	.....	.....	.....	1.0	19.5	1.5	9.0	.....	.....	31.0
College Farm	.....	.....	1.0	6.5	(*)	(*)	(*)	.....	.....	.....
Culver's Lake	.....	.....	4.0	7.6	15.9	6.8	7.0	0.5	.....	41.8
Dover	.....	.....	3.7	10.0	12.0	4.5	7.0	T.	.....	37.2
Elizabeth	.....	.....	2.0	10.5	14.6	(*)	(*)	.....	.....	.....
Flemington	.....	.....	3.0	7.0	12.8	6.0	6.5	.....	.....	35.3
Haddonfield	.....	.....	.....	1.3	18.7	2.5	6.4	T.	.....	28.9
Hammonton	.....	.....	.....	1.0	16.7	1.0	8.0	.....	.....	26.7
Hightstown	.....	.....	.....	5.0	14.0	5.0	7.0	.....	.....	31.0
Highwood	.....	.....	2.0	13.0	11.6	2.6	5.5	T.	.....	34.7
Indian Mills	.....	.....	.....	1.0	19.5	2.0	7.2	T.	.....	29.7
Jersey City	.....	.....	1.0	10.5	11.9	3.0	5.0	T.	.....	31.4
Lakewood	.....	.....	.....	5.0	15.2	1.4	5.3	.....	.....	26.9
Lambertville	.....	.....	1.5	6.0	11.0	3.0	7.0	T.	.....	28.5
Layton	.....	.....	4.5	8.0	(*)	6.5	5.7	T.	.....	.....
Little Falls	.....	.....	3.8	9.0	10.1	1.0	6.1	.....	.....	30.0
Long Branch	.....	.....	T.	3.0	15.5	3.0	6.4	.....	.....	27.9
Mahwah	.....	.....	3.0	8.0	(*)	(*)	7.0	.....	.....	.....
Moorestown	.....	.....	T.	2.0	(*)	(*)	(*)	.....	.....	.....
Newark	.....	.....	3.5	8.0	10.6	3.0	4.9	.....	.....	30.0

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Jersey—Continued.										
New Brunswick			1.0	12.5	14.1	2.5	4.8			34.9
Newton			5.5	8.2	13.2	6.0	7.0	T.		39.9
Northfield				1.0	8.3	0.6	7.8			17.7
Paterson			2.4	8.2	10.7	2.3	7.0	T.		30.6
Phillipsburg			6.0	5.6	12.2	4.3	5.8			33.9
Plainfield			1.5	7.6	14.2	3.0	5.8	T.		32.1
Pleasantville				0.7	12.7	1.0	5.5			19.9
Pompton Plains			4.0	9.0	11.0	3.5	7.5			35.0
Rivervale			(*)	(*)	(*)	5.0	12.0			
Somerville			2.0	8.0	13.5	4.0	6.0			33.5
South Orange			2.0	9.0	16.5	4.0	6.5	T.		38.0
Sussex			3.0	8.0	11.0	3.0	(*)			
Trenton			T.	2.5	(*)	(*)	5.0	T.		
Tuckerton				1.2	14.7	1.2	8.7			25.8
Vineland				0.2	14.2	1.5	7.0			22.9
Woodbine				T.	11.8	0.8	(*)			
New Mexico.										
Abbott		10.0	6.5	8.0		27.0	8.5	4.0	16.0	80.0
Agricultural College				2.0						2.0
Alamogordo (near)			1.5	1.0		6.0				8.5
Alamogordo			0.5	[1]1.0		6.0				7.5
Alamos Ranch			12.0	6.0	T.	15.0	8.5	[1]8.7	4.0	54.2
Albert		T.	T.	10.0		9.5	6.0		T.	25.5
Albuquerque			T.	2.2	0.2	3.0				5.2
Alma				10.0		0.4		T.		10.4
Ancho			0.2	8.2	T.	9.0	2.5	T.		19.9
Anchor Mine		38.0	67.0	51.0	17.0	32.0	144.0	108.0	26.0	483.0
Aragon				11.0		5.0	4.0	2.0		22.0
Artesia				T.	T.	T.				T.
Aspen Grove Ranch		9.3	19.6	11.6	8.7	15.2	42.9	17.9	6.8	132.0
Aurora		15.0	15.0	9.0	6.5	8.0	28.5	12.5	10.5	105.0
Aztec			T.	4.8	0.8	4.0	1.0	T.	T.	10.6
Bateman's Ranch			22.0	9.5	6.6	14.2	46.5	13.4	3.6	115.8
Bell Ranch		7.0	3.0	7.0	T.	11.0				28.0
Berger's Ranch		(*)	4.5	13.0	T.	1.0	24.2	12.0	T.	
Berino				4.0						4.0
Black Lake		6.5	10.4	7.0	T.	4.0	10.8	1.8	9.5	50.0
Blackrock			1.5	6.5	0.8	1.7	(*)	(*)		
Bloomfield			1.5	4.0	1.0	3.5	T.	3.0	T.	13.0
Bluewater		T.	2.0	5.0	T.	3.5	3.7	3.0		17.2
Boaz			T.	6.0		2.0				8.0
Cabeza		3.0	1.5	15.5	T.	9.0	1.5	1.0		31.5
Cambray			T.	4.0		1.0				5.0
Campana		14.0	5.0	14.0		13.0				46.0
Capitan		2.0	2.5	18.5		15.5	2.5	4.1		45.1
Carlsbad				3.5		2.0	T.			5.5
Carrizozo				6.0	T.	9.5		T.		15.5
Chacon		11.0	36.0	8.5	32.0	8.0	19.0	12.5	11.0	138.0
Chama		11.0	11.5	12.0	13.0	7.5	57.5	32.0	4.0	148.5
Cimarron (near)		10.5	5.0	17.0		7.2	17.2		12.0	68.9
Cloudcroft		T.	1.2	17.2	0.8	20.5	5.0	6.5		51.2
Clovis		3.0	2.5	11.5		4.2	2.0			23.2
Columbus				8.0		0.2				10.0
Corona		1.0	2.0	12.5	1.0	19.0		1.0		36.5
Coyote		T.		10.0	T.	6.0	T.			16.0
Cuervo			5.0	8.7	T.	10.5	1.1			25.3
Cundiyo			7.1	3.0	1.0	1.1	4.8			17.0
Dawson		4.5	3.5	11.0	0.5	7.5	12.2	T.	13.0	52.2
Deming				T.		2.0				2.0
Demonstration Farm		4.0	1.0	9.0	0.6	16.0	4.0	1.0	5.0	40.6
Dulce		T.	2.0	8.0				2.0	1.5	
Duran		2.0	9.5	11.5	1.0	12.0	2.0	3.0		41.0
Elizabethtown		16.0	14.0	3.2	2.2	8.2	29.8	7.0	14.0	94.4
Escondido			3.0	3.0		1.5				7.5
Espanola		2.0	13.2	0.5	2.0	6.0	9.0			32.7
Estancia		2.0	2.0	15.0	3.0	12.0	5.5			39.5
Folsom		16.9	7.8	15.5	T.	20.6	5.2	9.5	10.0	85.5

[1] Partly estimated.

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico—Continued.										
Fort Bayard	.....	.....	T.	5.5	0.2	9.0	3.6	T.	.....	15.3
Fort Stanton	.....	0.5	1.5	3.2	T.	7.0	T.	1.5	.....	13.7
Fort Union	.....	6.5	5.0	6.8	T.	12.0	5.8	2.0	.....	38.1
Fruitland	.....	.....	T.	2.2	.....	1.5	1.0	0.4	.....	5.1
Gage	.....	.....	.....	1.5	.....	2.5	.....	.....	.....	4.0
Gallinas	.....	.....	2.0	14.5	1.0	14.0	.....	.....	.....	31.5
Gallinas Planting Station	.....	7.0	10.5	16.0	2.0	19.5	22.5	4.0	10.0	91.5
Gila Planting Station	.....	.....	T.	4.5	.....	10.0	1.0	T.	.....	15.5
Glorieta Ranch	.....	.....	.....	6.5	.....	5.0	.....	8.0	.....	19.5
Hachita	.....	.....	.....	6.5	.....	5.0	2.0	.....	.....	13.5
Harvey's Upper Ranch	T.	31.0	22.5	34.0	6.2	35.2	43.8	24.8	23.5	221.0
Hayden	.....	13.0	3.0	20.0	T.	16.0	3.5	1.0	1.0	57.5
Haynes	.....	.....	0.8	3.0	0.2	4.5	2.3	1.9	.....	12.7
Hermanes	.....	.....	.....	10.0	.....	1.0	.....	.....	.....	11.0
Hodges	(*)	(*)	(*)	(*)	11.0	7.0	50.0	(*)	(*)	.....
Hondo Reservoir	.....	T.	1.0	3.3	T.	4.5	T.	.....	.....	8.8
Hoosier Ranch	.....	4.2	1.0	7.0	T.	9.2	2.0	2.0	14.0	39.4
Jemez Springs	.....	3.0	13.2	3.8	T.	6.5	5.5	3.0	.....	35.0
Johnson's Park	.....	7.5	6.0	9.0	T.	9.0	(*)	(*)	8.0	.....
Kappus	.....	7.0	3.0	6.0	.....	11.0	4.0	.....	8.0	39.0
Knowles (near)	.....	.....	0.2	7.2	.....	4.0	T.	.....	.....	11.4
Laguna	.....	1.0	2.0	2.0	.....	4.0	4.5	T.	.....	13.5
Lagunita	.....	4.5	2.5	6.0	T.	10.5	.....	(*)	(*)	.....
Lake Alice	.....	20.0	(*)	(*)	(*)	(*)	14.5	8.0	(*)	.....
Lake Valley	.....	.....	T.	8.5	T.	1.0	T.	4.0	.....	13.5
Las Vegas	.....	5.0	3.2	16.5	0.4	17.2	7.7	T.	6.0	56.0
Liston	.....	2.0	.....	9.5	.....	6.0	.....	.....	.....	17.5
Logan	.....	3.0	2.0	8.5	.....	20.0	2.4	.....	.....	35.9
Lordsburg	.....	.....	.....	12.2	.....	7.0	.....	.....	.....	19.2
Los Lunas (near)	.....	.....	.....	3.2	.....	6.0	.....	.....	.....	9.2
Luna	.....	T.	.....	9.5	T.	6.0	(*)	T.	.....	.....
Lykins (near)	.....	3.0	1.8	8.0	0.8	6.0	T.	.....	.....	19.6
Magdalena	.....	.....	T.	17.0	T.	8.0	T.	T.	.....	25.0
Maxwell (near)	.....	7.0	1.5	13.0	.....	3.0	6.8	.....	10.0	41.3
Melrose	.....	5.0	3.0	12.0	.....	8.4	1.0	.....	.....	29.4
Mescalero	.....	T.	0.2	5.0	0.3	10.9	0.6	1.0	.....	18.0
Miami Ranch	.....	6.0	2.8	15.0	0.8	10.6	13.2	.....	8.5	56.9
Mills (near)	.....	7.0	3.0	10.0	.....	9.0	8.5	2.0	7.0	46.5
Mimbres	.....	.....	.....	2.0	.....	6.0	.....	.....	.....	8.0
Mineral Hill	.....	7.5	4.0	5.0	2.0	16.0	(*)	7.5	9.0	.....
Monterey	.....	.....	T.	T.	T.	6.5	.....	1.0	.....	7.5
Montoya	.....	5.0	3.0	7.0	1.0	17.0	.....	T.	.....	33.0
Mountainair	.....	1.2	T.	9.5	T.	10.0	5.8	1.0	T.	27.5
Mount Dora (near)	.....	3.0	3.0	9.0	.....	7.3	3.0	6.0	7.0	38.3
Nara Visa	.....	3.5	2.0	2.5	.....	4.5	2.0	.....	.....	14.5
Newman	.....	.....	.....	3.0	.....	.....	.....	.....	.....	3.0
Noria	.....	.....	.....	2.0	.....	T.	.....	2.0	.....	4.0
Orogrande	.....	.....	.....	0.2	.....	0.5	.....	T.	.....	0.7
Oscura No. 1	.....	.....	1.0	1.0	.....	6.0	.....	.....	.....	8.0
Oscura No. 2	.....	.....	0.5	4.0	.....	5.5	.....	.....	.....	10.0
Otis	.....	.....	T.	12.0	.....	T.	.....	.....	.....	12.0
Otto	.....	0.4	1.2	7.0	2.5	15.8	1.2	1.2	0.6	29.9
Palo Verde	.....	7.5	4.2	10.0	T.	13.8	4.0	2.5	11.0	53.0
Pasamonte	.....	2.0	2.0	17.5	.....	9.0	1.5	2.0	6.0	40.0
Pastura	.....	1.5	6.0	11.3	1.3	27.6	1.5	T.	.....	49.2
Pinos Altos (near)	T.	.....	.....	8.5	T.	12.0	12.0	4.0	.....	36.5
Placitas (near)	.....	3.0	10.5	26.0	2.0	34.0	15.3	8.0	4.5	103.3
Plainview	.....	2.0	.....	11.5	T.	4.5	T.	T.	.....	18.0
Pleasant View	.....	(*)	2.0	5.5	.....	11.0	2.8	3.0	6.0	.....
Portales	.....	3.9	1.0	10.8	.....	16.0	T.	.....	.....	31.7
Pratt	.....	.....	.....	9.5	.....	4.0	.....	.....	.....	13.5
Raton	.....	10.7	6.0	17.5	0.4	12.0	11.1	14.5	7.0	79.2
Red River Canyon	.....	21.0	16.4	27.0	6.0	15.0	88.0	47.0	16.0	236.4
Redrock	.....	.....	.....	3.7	.....	8.0	.....	.....	.....	11.7
Rincon	.....	.....	T.	T.	.....	T.	.....	T.	.....	T.
Rio Grande Dam	.....	.....	T.	T.	T.	2.5	T.	.....	.....	2.5
Rio Grande Industrial School	.....	.....	0.5	3.2	T.	2.5	.....	.....	.....	6.2
Rociada	.....	12.0	13.5	16.0	1.0	21.5	13.5	6.5	17.5	101.5

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico—Continued.										
Rodeo	.....	.....	.....	8.0	.....	2.0	.....	.....	.....	10.0
Rosebud	.....	3.0	T.	8.0	.....	10.0	.....	.....	T.	21.0
Rosedale	.....	.....	T.	5.0	T.	3.0	.....	7.0	.....	15.0
Roswell	.....	T.	0.2	4.1	T.	11.8	T.	.....	.....	16.1
Roy	.....	3.0	2.0	18.5	T.	14.0	3.0	2.0	12.0	54.5
San Jon	.....	6.0	3.0	6.0	T.	16.0	0.7	T.	.....	31.7
San Marcial	.....	.....	.....	0.2	.....	4.0	.....	.....	.....	4.2
San Rafael	.....	6.0	0.5	T.	T.	3.0	9.0	.....	.....	18.5
Santa Fe	.....	3.0	12.8	3.6	0.3	6.1	6.0	1.3	1.8	34.9
Santa Fe Canyon	.....	1.0	19.5	11.5	1.0	7.0	14.0	3.0	2.0	59.0
Santa Rosa, No. 1	.....	0.8	4.0	5.5	T.	14.0	5.0	T.	.....	29.3
Santa Rosa, No. 2	.....	[1] 0.8	5.0	11.2	.....	11.0	6.0	.....	.....	34.0
Silver City	.....	.....	T.	4.5	0.5	7.0	2.5	1.0	.....	15.5
Socorro	.....	.....	.....	4.0	.....	7.0	.....	.....	.....	11.0
Solano, No. 1	.....	8.0	2.5	11.2	.....	19.0	4.5	2.5	13.0	60.7
Solano, No. 2	.....	5.0	2.5	8.0	.....	22.5	4.5	3.5	10.0	56.0
South Fork	.....	23.0	(*)	(*)	(*)	(*)	(*)	(*)	8.0	.....
Springer	.....	5.0	3.0	18.0	0.2	6.0	7.0	.....	10.0	49.2
Stanley	.....	(*)	(*)	4.5	T.	6.5	1.2	0.5	1.5	.....
Strauss	.....	.....	.....	4.0	.....	T.	.....	T.	.....	4.0
Taft	.....	3.0	5.0	6.0	.....	(*)	(*)	(*)	(*)	.....
Tajique (near)	.....	4.0	4.0	11.0	(*)	(*)	26.0	13.0	.....	.....
Taos	.....	T.	10.5	8.9	1.5	3.7	7.0	T.	6.0	37.6
Taos Canyon	.....	9.0	18.1	17.5	11.9	12.2	32.5	14.2	7.0	122.4
Taylor	.....	T.	4.5	18.0	.....	5.5	3.0	0.5	11.0	42.5
Tecolote	.....	T.	2.0	10.5	1.5	12.5	2.0	T.	.....	28.5
Three Rivers	.....	.....	T.	2.0	0.2	4.0	.....	.....	.....	6.2
Tijeras Canyon	.....	3.0	2.0	5.0	1.5	13.0	(*)	.....	1.0	.....
Torrance	.....	1.0	5.5	14.0	2.0	16.0	7.5	2.0	1.0	49.0
Trementina	.....	7.2	1.5	13.0	.....	14.0	.....	.....	.....	35.7
Tres Piedras	.....	(*)	5.2	4.1	4.0	6.0	6.0	2.5	(*)	.....
Truchas	.....	7.2	32.4	10.6	1.4	6.9	15.5	15.1	8.3	97.4
Tucumcari, No. 1	.....	6.0	5.0	11.5	.....	24.7	0.5	.....	.....	47.7
Tucumcari, No. 2	.....	6.5	4.5	11.7	0.3	30.0	1.0	0.5	.....	54.5
Valley	.....	10.0	5.0	27.0	2.0	29.0	4.0	1.0	(*)	.....
Vance (near)	.....	6.5	2.5	12.0	.....	22.0	3.5	2.0	5.0	53.5
Vaughn	.....	6.0	7.0	14.0	2.0	26.0	1.0	(*)	0.2	.....
Vermejo Park	.....	14.0	5.5	12.5	T.	7.0	12.5	1.0	6.0	58.5
Virsylvia	.....	3.2	6.8	9.0	2.5	2.8	5.0	9.2	5.8	44.3
Wagon Mound (near)	.....	7.0	4.0	18.0	.....	13.0	3.0	2.0	8.0	55.0
Winsors	.....	6.0	25.0	8.5	10.5	10.0	14.0	12.5	12.5	99.0
New York.										
Adams Center	.....	1.0	22.5	8.0	57.5	52.5	20.5	13.5	T.	175.5
Addison	.....	.....	0.5	5.6	4.8	6.2	12.5	3.0	.....	32.6
Albany	.....	.....	2.0	3.4	9.1	1.3	8.3	5.7	.....	29.8
Alfred	.....	T.	2.3	6.2	(*)	(*)	(*)	(*)	T.	.....
Allegany	.....	T.	9.4	7.2	15.5	15.8	15.3	13.0	0.3	76.5
Amsterdam	.....	.....	5.0	4.5	19.0	9.0	11.0	11.0	.....	59.5
Angelica	.....	T.	4.0	8.0	14.5	12.0	13.5	10.5	T.	62.5
Appleton	.....	.....	4.4	2.5	15.2	5.9	6.8	6.2	T.	41.0
Athens	.....	.....	2.0	3.0	8.2	2.0	9.5	2.5	.....	27.2
Auburn	.....	.....	5.0	6.0	19.0	15.0	22.0	10.0	.....	77.0
Avon	.....	.....	2.5	2.0	10.5	6.0	4.0	3.8	.....	28.8
Ballston Lake	.....	.....	3.8	3.8	11.5	3.8	11.4	7.9	.....	42.2
Bedford	.....	.....	1.0	7.0	10.5	2.5	6.0	T.	.....	27.0
Binghamton	.....	.....	1.3	4.3	10.1	2.6	13.2	4.2	.....	35.7
Blue Mountain Lake	0.5	.....	23.0	3.5	32.0	19.0	19.0	16.0	18.0	.....
Bolivar	.....	.....	.....	14.5	11.6	10.7	9.0	4.6	T.	.....
Bouckville	.....	.....	13.5	12.5	18.0	16.5	9.5	18.0	.....	88.0
Brockport	.....	.....	8.5	6.5	25.0	13.0	(*)	6.5	.....	.....
Buffalo	.....	T.	13.6	5.6	22.9	18.9	12.6	4.5	T.	78.1
Canton	.....	2.2	10.2	5.4	24.9	20.4	11.2	3.8	.....	78.1
Carmel	.....	.....	3.0	7.0	10.5	1.5	6.2	.....	.....	28.2
Carvers Falls	.....	.....	.....	2.0	14.0	(*)	10.0	(*)	(*)	.....
Chatham	.....	.....	3.0	4.7	13.4	1.4	8.3	(*)	(*)	.....

[1] Partly estimated.

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New York—Continued.										
Chazy	.....	1.0	2.0	2.5	7.5	22.0	15.0	4.0	1.0	55.0
Cooperstown	.....	.....	6.0	11.3	18.9	5.2	18.5	9.0	.....	68.9
Cortland	.....	.....	4.5	2.5	11.3	8.1	11.9	9.0	.....	47.3
Cutchogue	.....	.....	.....	3.0	10.0	4.0	8.0	.....	.....	25.0
Dannemora	T.	2.5	8.0	9.0	18.5	17.5	13.5	12.0	2.0	83.0
De Ruyter	.....	T.	7.8	2.5	16.7	11.0	9.4	10.3	.....	57.7
Eastcu	(*)	(*)	5.0	5.0	15.5	(*)	(*)	(*)	(*)	.....
Elba	.....	.....	17.0	9.0	34.0	23.0	7.0	12.0	T.	102.0
Fayetteville	.....	T.	2.0	9.0	8.0	13.5	18.5	8.5	.....	59.5
Gabriels	T.	3.0	32.8	3.2	11.2	27.0	8.0	14.0	2.0	101.2
Glens Falls	.....	2.0	4.3	5.3	17.0	9.7	16.2	14.5	.....	69.0
Gloversville	T.	T.	11.8	6.0	26.0	14.0	15.0	11.0	.....	83.8
Greenfield Center	.....	.....	5.0	(*)	(*)	(*)	(*)	10.0	.....	.....
Greenwich	.....	.....	.....	2.5	16.2	10.0	11.1	6.5	.....	46.3
Griffin Corners	.....	.....	9.7	4.6	14.4	T.	5.5	1.0	.....	35.2
Harkness	T.	3.5	2.2	2.5	12.5	13.2	15.5	12.0	2.0	63.4
Haskinville	.....	.....	3.8	8.7	20.8	11.3	13.1	9.0	.....	66.7
Hoosick Falls	.....	.....	4.0	5.0	14.5	4.2	14.2	4.7	.....	46.6
Hunt	.....	.....	3.0	2.0	6.0	16.0	6.0	6.0	T.	39.0
Indian Lake	.....	.....	35.0	17.0	16.7	19.3	11.5	14.5	.....	114.0
Ithaca	.....	T.	2.3	5.4	9.0	6.7	12.3	10.5	T.	46.2
Jeffersonville	.....	.....	5.0	10.0	8.0	2.0	10.0	T.	.....	35.0
Keene Valley	.....	1.5	8.5	3.2	18.2	19.5	16.5	13.5	0.2	81.1
King Ferry	.....	.....	3.7	3.5	14.1	7.8	15.2	8.3	.....	52.6
Lake George	.....	.....	4.3	6.1	16.6	14.8	10.8	9.1	.....	61.7
Lake Placid Club	0.5	11.8	31.3	17.0	39.8	29.9	18.7	22.7	2.5	174.2
Liberty	.....	.....	4.5	3.0	13.5	1.0	(*)	T.	.....	.....
Little Falls	.....	.....	8.0	8.0	23.0	17.5	14.5	11.0	.....	82.0
Lockport	.....	.....	10.1	5.2	17.2	9.5	8.0	1.0	.....	51.0
Lowville	.....	2.0	12.0	(*)	(*)	(*)	(*)	(*)	.....	.....
Mohonk Lake	.....	.....	3.5	4.0	13.0	.....	11.0	T.	.....	.....
Moira	.....	5.5	8.5	17.0	25.5	22.5	19.0	12.5	.....	110.5
Morehouseville	.....	3.0	48.2	6.2	25.0	26.5	10.5	(*)	.....	.....
Mount Hope	.....	.....	3.0	8.0	10.0	4.0	17.0	.....	.....	42.0
Nehasane	T.	9.4	47.3	12.5	50.4	39.2	21.1	20.5	1.0	201.4
Newark Valley	.....	.....	2.0	5.1	10.5	4.0	12.0	6.3	.....	39.9
New Lisbon	.....	.....	5.0	5.0	14.0	2.0	14.0	6.0	.....	46.0
New York City	.....	.....	1.0	7.3	9.0	1.8	4.2	T.	.....	23.3
North Creek	.....	.....	(*)	4.0	18.5	23.0	12.0	6.0	.....	.....
Ogdensburg	.....	T.	1.8	6.6	14.2	26.0	10.5	(*)	T.	.....
Old Forge	.....	1.3	43.5	8.2	53.9	23.8	15.4	13.3	.....	159.4
Oneonta	.....	.....	3.2	4.8	10.5	(*)	13.8	4.0	.....	.....
Oswego	.....	T.	5.6	2.9	47.4	44.3	12.0	5.5	T.	117.7
Oxford	.....	.....	5.0	4.7	18.0	9.1	15.0	7.0	.....	58.8
Palermo	.....	.....	11.3	2.2	29.8	27.1	12.5	8.1	.....	91.0
Perry City	.....	.....	4.6	6.6	4.7	5.0	15.9	10.4	.....	47.2
Philadelphia	.....	T.	15.0	6.0	23.5	25.0	11.5	8.0	.....	89.0
Port Jervis	.....	.....	4.0	7.0	10.3	2.5	6.0	T.	.....	29.8
Potsdam	.....	0.5	6.2	4.0	29.0	14.0	13.0	6.0	.....	72.7
Raquette Lake	.....	2.0	33.2	12.1	40.9	32.6	23.5	21.6	T.	165.9
Rochester	.....	.....	6.5	7.5	21.5	10.8	8.8	6.9	T.	62.0
Salisbury	.....	.....	19.0	8.5	23.0	17.5	12.0	11.0	.....	91.0
Setauket	.....	.....	T.	5.0	7.2	1.5	8.0	T.	.....	21.7
Shortsville	.....	.....	3.0	2.4	11.5	3.8	5.3	1.8	.....	27.8
Southampton	.....	.....	.....	5.0	6.4	3.2	7.6	T.	.....	22.2
South Edmeston	(*)	(*)	4.0	7.0	17.0	6.0	13.1	9.0	T.	.....
Syracuse	.....	T.	6.6	12.7	14.0	14.5	15.0	9.3	.....	72.1
Ticonderoga	(*)	T.	T.	(*)	18.0	12.0	(*)	(*)	(*)	.....
Volusia	.....	.....	20.0	11.0	27.0	10.0	10.0	6.0	1.0	85.0
Wading River	.....	.....	.....	7.0	11.5	4.0	6.0	.....	.....	28.5
Wappingers Falls	.....	.....	2.5	9.0	17.5	20.0	10.0	T.	.....	59.0
Warwick	.....	.....	0.3	8.0	14.0	3.5	7.0	.....	.....	32.8
Waverly	.....	.....	1.4	4.6	6.9	11.0	16.1	2.7	.....	42.7
Wedgwood	.....	T.	1.0	6.0	11.0	7.5	17.0	8.0	T.	50.5
West Berne	.....	.....	3.0	8.0	14.0	5.0	11.0	14.0	.....	55.0
Westfield	.....	.....	7.5	3.0	11.0	5.0	4.0	2.0	.....	32.5
West Point	.....	.....	(*)	0.8	(*)	0.3	0.4	.....	.....	.....
Windham	.....	.....	2.7	5.5	11.5	T.	8.5	3.8	.....	32.0
Youngstown	.....	.....	9.0	4.0	20.0	13.0	8.0	2.5	T.	56.5

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Carolina.										
Albemarle					6.1	3.2	2.0			11.3
Altapass			(*)	(*)	(*)	(*)	16.0			
Andrews			T.	T.	6.2	3.5				9.7
Asheville			T.	T.	2.9	8.1	4.7			15.7
Banners Elk			2.0	1.0	9.2	25.0	15.5			52.7
Beaufort					9.0	3.0				12.0
Belhaven					4.5	15.0				19.5
Blowing Rock			(*)	T.	(*)	(*)	23.0			
Brevard					3.5	(*)	3.0			
Brewers			T.	2.4	(*)	1.0	15.0			
Bryson City					5.6	8.5	0.7			14.8
Caroleen					5.5	3.5	2.7			11.7
Chalybeate Springs					6.0	8.2	1.2			15.4
Chapel Hill					2.8	1.7	7.5			12.0
Charlotte					6.0	3.8	2.6			12.4
Chimney Rock					7.5	6.5	11.0			25.0
Cullowhee			T.	T.	4.0	9.1	2.0			15.1
Eagletown					5.2	6.7	10.5			22.4
Edenton					3.0	7.0	9.0			19.0
Elizabeth City					(*)	(*)	6.0			
Elizabethtown					13.0	12.0				25.0
Enfield					4.2	7.5	6.0			17.7
Fayetteville					4.8	7.2				12.0
Gorge			(*)	(*)	(*)	(*)	15.2			
Graham					3.0	1.0	11.0			15.0
Goldsboro					(*)	8.2				
Greensboro					6.4	3.5	11.0			20.9
Greenville					4.1	8.0	2.2			14.3
Hatteras					3.0	4.2				7.2
Henderson					3.5	T.	7.5			11.0
Hendersonville					4.0	5.0	8.5			17.5
Highlands			(*)	(*)	(*)	(*)	4.5			
Hot Springs			1.5	1.0	9.0	15.0	3.0			29.5
Jefferson			T.	T.	4.0	4.4	14.5			22.9
Kings Mountain					5.8	3.0	3.5			12.3
Kinston					11.0	11.8	T.			22.8
Lenoir					3.5	0.5	9.0			13.0
Lincolnton				T.	(*)	(*)	(*)			
Louisburg					2.7	3.2	8.0			13.9
Lumberton					13.3	12.0				25.3
Manteo					5.0	(*)	T.			
Marion			T.	0.8	5.8	7.4	15.9			29.9
Marshall			T.	T.	1.6	1.7	1.0			4.3
Middletown					5.0	7.0	T.			12.0
Moncure					4.0	5.5				9.5
Monroe					0.5	5.0				5.5
Morganton				T.	3.6	3.6	10.5			17.7
Mount Airy					7.0	5.0	11.5			23.5
Mount Holly					5.0	3.0	5.0			13.0
Murphy			T.	T.	3.7	3.0				6.7
Nashville				T.	4.7	10.5	9.0			24.2
Neuse					3.5	5.2	7.0			15.7
Newbern					8.0	6.0	T.			14.0
Parkersburg					12.0	12.0	T.			24.0
Pinehurst					3.8	8.2	(*)			
Raleigh					3.0	7.1	4.7			14.8
Ramseur					9.0	3.0	3.0			15.0
Randleman					6.5	3.4	1.2			11.1
Reidsville					4.5	4.0	12.2			20.7
Rock House			T.		5.8	7.6	4.2			17.6
Rockingham					0.4	9.0	(*)			
Rocky Mount					3.0	12.0	5.0			20.0
Roxboro				(*)	(*)	(*)	12.4			
Salisbury					6.0	0.5	2.0			8.5
Saxon					2.5	5.0	15.0			22.5
Scotland Neck					2.5	4.5	8.0			15.0
Settle					2.0	T.	14.0			16.0
Sloan					6.0	8.0	T.			14.0
Smithfield					4.1	8.0	0.6			12.7
Snow Hill				T.	14.2	11.0	2.0			27.2

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Carolina—Continued.										
Southern Pines	.....	.....	.....	.....	(*)	14.0	1.0	.....	.....	.....
Southport	.....	.....	.....	.....	T.	6.0	.....	.....	.....	6.0
Statesville	.....	.....	.....	.....	3.0	1.5	12.0	.....	.....	16.5
Tarboro	.....	.....	.....	.....	2.0	7.3	5.0	.....	.....	14.3
Waynesville	.....	.....	T.	T.	3.3	19.0	3.5	.....	.....	25.8
Weldon	.....	.....	.....	T.	5.4	T.	10.5	.....	.....	15.9
Willard	.....	.....	.....	.....	7.0	6.0	.....	.....	.....	13.0
Wilmington	.....	.....	.....	.....	8.6	9.8	.....	.....	.....	18.4
North Dakota.										
Amenia	.....	.....	7.5	4.8	2.0	0.5	7.0	T.	.....	21.8
Aplin	.....	0.2	7.5	3.7	4.5	2.0	2.8	0.5	.....	21.2
Ashley	(*)	(*)	6.2	7.0	6.0	2.0	7.0	T.	.....	.....
Beach	.....	.....	7.5	5.2	5.8	2.0	7.0	.....	.....	27.5
Belfield	.....	0.2	1.3	(*)	3.1	0.3	(*)	6.0	.....	.....
Berthold Agency	.....	T.	6.2	2.4	2.4	2.8	3.4	0.5	.....	17.7
Bismarck	.....	T.	10.1	4.7	3.0	1.9	7.5	0.1	.....	27.3
Bottineau	.....	0.8	10.5	(*)	9.5	4.1	1.8	11.0	.....	.....
Broncho	.....	T.	5.0	2.5	2.5	1.8	7.2	.....	.....	19.0
Buford	.....	0.2	5.5	3.0	2.6	2.7	7.0	(*)	(*)	.....
Cando	.....	T.	(*)	1.0	(*)	T.	(*)	(*)	.....	.....
Crosby	T.	T.	5.2	2.0	2.0	0.2	1.5	3.0	.....	13.9
Devils Lake	.....	0.1	5.9	3.1	4.0	2.5	0.9	1.2	.....	17.7
Dickinson	.....	0.9	7.4	2.4	3.6	1.8	5.0	1.7	.....	22.8
Donnybrook	T.	0.5	5.6	1.9	2.0	1.7	2.2	6.5	.....	20.4
Dunseith	(*)	(*)	(*)	(*)	2.4	1.1	0.9	(*)	.....	.....
Edgeley	.....	.....	2.0	4.1	4.8	0.1	0.8	.....	.....	11.8
Edmore	.....	T.	2.0	4.1	3.2	0.2	(*)	.....	(*)	.....
Epping	.....	T.	7.0	5.0	3.5	1.5	3.0	1.5	.....	21.5
Fessenden	(*)	(*)	2.5	2.2	2.8	T.	1.5	T.	.....	.....
Forman	.....	.....	13.2	11.0	2.0	1.0	4.0	.....	.....	31.2
Fullerton	.....	0.3	9.5	10.0	3.3	5.5	2.2	.....	.....	30.8
Garrison	.....	0.2	5.4	3.6	4.2	3.1	3.1	.....	.....	19.6
Grafton	.....	.....	6.8	5.7	1.9	1.4	0.8	0.5	.....	17.1
Granville	.....	1.0	5.0	3.5	2.0	0.5	0.4	0.6	.....	13.0
Haley	.....	1.0	8.0	5.0	(*)	(*)	(*)	(*)	T.	.....
Hannah	.....	T.	8.0	4.0	2.2	2.0	5.0	12.0	.....	33.2
Hansboro	.....	T.	5.3	2.3	2.0	1.2	0.8	5.5	.....	17.1
Hettinger	.....	T.	6.0	4.0	4.0	2.0	2.0	T.	.....	18.0
Hillsboro	.....	T.	12.5	5.4	7.0	4.0	8.0	T.	.....	36.9
Howard	T.	1.5	9.5	5.2	5.3	T.	12.0	2.5	.....	36.0
Jamestown	.....	.....	7.2	7.2	6.5	3.5	6.5	.....	.....	30.9
Lakota	.....	0.7	11.5	9.8	5.2	5.2	3.5	2.2	.....	38.1
Lamoine	.....	T.	5.0	T.	2.0	5.0	4.0	2.0	.....	18.0
Langdon	.....	(*)	(*)	(*)	1.7	T.	(*)	(*)	.....	.....
Larimore	.....	(*)	7.0	(*)	3.6	1.3	3.7	T.	.....	.....
Lisbon	.....	.....	10.0	5.0	3.0	3.0	2.0	.....	.....	23.0
McHenry	.....	0.9	2.8	6.5	1.4	2.2	0.6	2.5	.....	16.9
McKinney	.....	T.	4.5	1.5	2.5	T.	3.0	9.0	.....	20.5
Manfred	.....	T.	6.6	4.5	4.5	1.0	2.0	1.0	.....	19.6
Marmarth	.....	3.0	7.0	11.0	4.7	2.6	12.3	4.0	3.7	48.3
Marstonmoor	T.	T.	10.0	3.0	5.0	2.0	3.0	T.	.....	23.0
Mayville	.....	.....	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
Medora	.....	0.2	11.6	5.3	0.5	1.5	7.6	3.5	.....	30.2
Melville	.....	.....	3.0	3.0	4.0	1.0	3.0	T.	.....	14.0
Minot	.....	0.5	4.0	2.5	5.5	0.5	6.0	2.7	.....	21.7
Minto	.....	T.	4.5	(*)	(*)	1.0	T.	(*)	.....	.....
Mott	.....	2.8	14.0	6.2	7.0	6.5	8.5	.....	.....	45.0
Napoleon	.....	5.0	6.0	4.0	3.0	1.0	2.5	T.	.....	21.5
New England	(*)	(*)	(*)	(*)	6.1	4.5	(*)	(*)	(*)	.....
New Rockford	.....	.....	3.8	2.0	2.2	(*)	(*)	1.4	.....	.....
New Salem	.....	1.5	15.0	3.5	3.0	3.0	8.0	0.5	.....	34.5
Orange	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Oriska	.....	(*)	(*)	(*)	0.3	(*)	0.1	.....	.....	.....
Park River	.....	.....	8.8	3.3	3.0	1.4	1.5	(*)	.....	.....
Pembina	.....	.....	3.2	1.2	0.7	(*)	0.3	(*)	.....	.....
Power	.....	.....	7.5	3.0	8.0	3.0	4.0	.....	.....	25.5
Pratt	(*)	(*)	(*)	7.5	2.0	1.0	.....	1.0	(*)	.....
Steele	(*)	(*)	(*)	(*)	4.5	(*)	(*)	0.2	.....	.....

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Dakota—Continued.										
Towner	.....	T.	2.0	3.0	2.2	1.7	1.7	3.0	.....	13.6
University	.....	T.	9.5	5.3	7.1	0.5	2.9	.....	.....	25.3
Wahpeton	.....	.....	4.5	(*)	1.6	.....	2.0	(*)	.....	.....
Walhalla	.....	T.	9.0	8.5	2.0	3.0	2.5	8.0	.....	33.0
Washburn	.....	T.	2.3	2.5	1.5	1.0	2.0	.....	.....	9.3
Westhope	.....	T.	2.5	T.	2.0	1.5	2.0	(*)	.....	.....
Williston	.....	0.3	12.1	6.3	4.8	1.6	4.7	4.0	T.	33.8
Willow City	.....	T.	4.5	.....	1.5	1.5	1.0	1.0	(*)	.....
Ohio.										
Akron	.....	.....	6.0	8.8	13.1	8.5	8.2	3.5	.....	48.1
Amesville	.....	.....	2.0	0.3	9.8	3.3	2.5	.....	.....	17.9
Bangorville	.....	.....	4.5	10.5	11.3	14.5	9.0	3.0	T.	52.8
Bellefontaine	.....	.....	3.5	10.9	10.5	15.2	7.5	T.	T.	47.6
Benton Ridge	.....	.....	7.2	9.9	11.3	19.5	9.9	5.0	1.0	63.8
Bladensburg	.....	.....	3.3	7.5	6.5	7.4	4.5	0.3	.....	29.5
Bowling Green	.....	.....	6.5	5.0	10.0	18.5	11.5	T.	1.0	52.5
Bucyrus	.....	.....	3.0	11.0	6.0	14.0	12.0	5.0	T.	51.0
Cadiz	.....	.....	11.2	12.2	14.8	12.5	3.9	1.0	T.	55.6
Cambridge	.....	.....	2.0	6.0	11.0	4.0	2.0	.....	.....	25.0
Camp Dennison	.....	.....	1.1	T.	10.0	3.7	4.5	.....	.....	19.3
Canal Dover	.....	.....	5.0	8.0	12.5	10.0	7.0	1.0	.....	43.5
Canton	.....	.....	6.6	11.8	10.4	9.2	7.0	4.5	T.	49.5
Cardington	.....	.....	(*)	7.9	9.9	18.0	9.0	3.6	.....	.....
Cincinnati	.....	.....	0.3	0.2	13.5	6.0	5.5	T.	.....	25.5
Circleville	.....	.....	0.5	1.0	9.5	3.0	4.8	T.	.....	18.8
Clarington	.....	.....	0.3	1.8	3.0	7.0	1.5	.....	.....	13.6
Cleveland (Weather Bureau)	.....	.....	7.6	6.9	23.8	14.4	7.3	6.7	.....	66.7
Cleveland (Odenbach)	.....	T.	6.1	7.6	(*)	14.6	6.5	6.0	.....	.....
Columbus	.....	.....	3.0	4.4	8.9	10.1	7.4	0.8	.....	34.6
Columbus Reservoir	.....	.....	(*)	4.5	5.0	5.0	(*)	(*)	.....	.....
Conneaut	.....	.....	7.0	5.5	11.5	12.5	6.3	4.5	T.	47.3
Dayton (Weather Bureau)	.....	.....	2.3	0.4	10.1	12.3	8.5	3.0	.....	36.6
Defiance	.....	.....	3.2	7.2	4.5	5.2	(*)	(*)	(*)	.....
Delaware	.....	.....	4.0	5.2	8.5	11.3	12.0	1.0	.....	42.0
Demos	.....	.....	4.5	7.8	8.3	5.0	2.5	0.2	.....	28.3
Dennison	.....	.....	5.5	5.5	9.8	3.4	0.8	(*)	.....	.....
Findlay	.....	.....	3.5	8.0	6.0	14.0	6.0	4.0	T.	41.5
Frankfort	.....	.....	T.	T.	10.0	5.0	5.5	.....	.....	20.5
Fremont	.....	.....	6.5	6.5	9.8	13.0	7.8	2.0	T.	45.6
Garrettsville	.....	.....	11.5	7.7	14.3	11.0	9.0	4.5	T.	58.0
Granville	.....	.....	4.3	6.9	11.3	12.3	5.0	0.2	.....	40.0
Gratiot	.....	.....	3.1	6.1	5.6	10.4	6.0	0.8	.....	32.0
Green	.....	.....	T.	T.	10.2	3.0	1.5	.....	.....	14.7
Green Hill	.....	.....	8.6	8.6	8.0	9.1	3.7	1.5	T.	39.5
Greenville	.....	.....	1.5	2.5	10.0	9.0	9.0	0.3	.....	32.3
Hedges	.....	.....	6.0	2.5	4.0	9.0	15.0	.....	.....	36.5
Hillhouse	.....	.....	10.2	8.0	27.0	12.0	6.0	6.0	T.	69.2
Hillsboro	.....	.....	3.0	3.3	14.3	12.5	10.2	T.	.....	43.3
Hiram	.....	T.	9.5	8.5	14.5	11.5	7.0	4.0	T.	55.0
Ironton	.....	.....	0.5	(*)	15.5	5.0	3.5	(*)	(*)	.....
Jacksonburg	.....	.....	5.0	2.0	13.0	10.0	9.3	(*)	.....	.....
Kenton	.....	.....	2.0	9.0	6.0	13.0	7.0	2.0	.....	39.0
Killbuck	.....	.....	6.9	10.2	12.4	10.4	5.5	2.0	T.	47.4
Lancaster	.....	.....	(*)	5.0	10.2	6.5	1.5	T.	.....	.....
Lima	.....	.....	3.0	8.0	17.5	17.0	5.0	5.0	T.	55.5
McConnellsville	.....	.....	4.5	4.0	14.2	8.6	4.0	0.2	.....	35.5
Marietta	.....	.....	2.2	T.	7.5	4.2	2.7	.....	.....	16.6
Marion	.....	.....	4.1	13.0	12.5	15.8	8.0	6.0	T.	59.4
Medina	.....	.....	7.0	7.0	8.0	6.0	8.0	4.0	T.	40.0
Milfordton	.....	.....	6.5	11.0	8.0	10.0	8.2	1.0	.....	44.7
Milligan	.....	.....	2.0	4.5	7.0	3.5	3.0	T.	.....	20.0
Millport	.....	.....	2.7	8.5	11.4	9.5	1.9	T.	T.	34.0
Montpelier	.....	T.	7.0	5.2	13.0	20.0	21.0	(*)	T.	.....
Napoleon	.....	.....	7.0	4.5	6.5	22.0	13.0	.....	0.5	53.5
Nellie	.....	.....	1.0	9.0	6.0	10.0	(*)	T.	.....	.....
New Alexandria	.....	.....	3.0	6.0	15.0	7.0	5.0	3.0	.....	39.0
New Berlin	.....	.....	5.0	11.0	10.1	5.0	7.0	1.0	T.	39.1

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Ohio—Continued.										
New Bremen			1.5	7.5	9.0	8.5	7.5	3.5	T.	37.5
New Waterford			5.5	10.0	8.0	7.5	(*)	(*)		
North Royalton			8.0	5.0	11.0	10.0	13.0	6.0		53.0
Norwalk			3.0	6.0	12.5	11.5	(*)	6.0	T.	
Oberlin			6.9	5.0	12.9	8.8	6.8	8.0	T.	48.4
Ottawa		T.	1.0	7.5	(*)	(*)	(*)	(*)	T.	
Pataskala			4.1	6.5	8.3	8.6	5.1	1.5		34.1
Peebles			2.0	T.	7.7	4.0	2.0	T.		15.7
Philo (Burckholter)			1.7	3.8	9.0	5.9	2.8	T.		23.2
Philo (Hardtla)			5.4	6.4	11.2	8.8	3.1	0.5		35.4
Piqua			4.6	7.8	12.4	12.5	14.5	3.2		55.0
Plattsburg			5.5	6.5	9.0	9.0	10.0	3.0		43.0
Portsmouth			(*)		12.0	4.0	2.5			
Rittman			4.5	9.5	11.0	9.4	(*)	(*)		
Sandusky			2.9	5.0	10.4	9.0	8.3	2.4		38.0
Shenandoah			6.5	10.7	5.6	13.1	6.9	4.0	0.2	47.0
Sidney			3.7	7.5	6.8	9.7	9.9	2.2		39.8
Somerset			4.5	6.0	15.5	11.0	3.5	0.5		41.0
Summerfield			3.0	5.5	10.3	6.1	2.0	0.5		27.4
Syracuse			(*)	(*)	13.5	6.5	3.0			
Thurman			T.	(*)	11.0	4.0	3.0			
Tiffin			6.5	9.5	15.5	14.0	10.5	7.0	T.	63.0
Toledo			3.3	3.3	7.4	23.1	14.3	T.	0.5	51.9
Upper Sandusky			9.5	9.5	12.8	14.0	9.0	4.0	T.	58.8
Urbana			5.0	7.8	11.7	15.6	18.7	5.0		63.8
Vickery			3.6	3.5	6.7	8.3	3.3	2.0	1.0	28.4
Warren			7.3	8.6	14.1	10.9	7.8	5.2	T.	53.9
Wauseon			7.1	5.8	12.4	19.8	18.0	T.	1.5	64.6
Waverly			2.0	T.	12.6	6.9	7.0	T.		28.5
Waynesville			1.0	1.5	7.9	5.5	4.0	0.5		20.4
Willoughby			3.9	4.7	15.0	6.0	(*)	(*)		
Wooster			4.4	13.0	8.8	11.7	8.4	4.0	T.	50.3
Youngstown			9.3	10.4	15.0	13.5	5.0	3.0		56.2
Zanesville			2.2	3.0	8.0	5.6	2.8			21.6
Oklahoma.										
Ada			T.	5.3	0.3	4.2				9.8
Alva			2.0	17.0	0.5	22.0	12.0	2.0		55.5
Apache			T.	3.0		5.0				8.0
Arapaho			4.0	10.0	T.	2.0	T.			16.0
Ardmore				5.0		4.0				9.0
Arnett			2.6	12.0	5.0	(*)	10.0	(*)	(*)	
Bartlesville			1.5	2.0	2.0	8.0	7.0			20.5
Beaver		4.3	5.8	35.0	5.6	22.0	8.4	6.2		87.3
Blackburn			0.1	3.4	2.8	6.0	1.0			13.3
Cache			0.2	9.2		4.0				13.4
Calvin				1.5	0.2	0.3				2.0
Chandler			(*)	(*)	T.	(*)	0.7			
Chattanooga				T.	T.	6.0				6.0
Chickasha			0.2	4.0	T.	5.0	T.			9.2
Cloud Chief			1.4	(*)	T.	2.5				
Durant				T.	T.	2.0				2.0
Eldorado			1.1	6.3	T.	2.0	T.			9.4
Elk City		T.	1.5	7.6	T.	1.0	T.			10.1
El Reno			T.	9.0	T.	3.0	T.			12.0
Enid			2.0	2.5	0.2	10.0	2.4			17.1
Erick			3.0	14.0		3.0	0.4			20.4
Fairland			T.	3.0	2.0	5.0	0.5	T.		10.5
Fort Gibson			0.5	4.0	0.5	4.0	T.			9.0
Frederick			0.5	2.0		4.0	0.5			7.0
Geary			(*)	(*)	T.	5.0	1.3			
Goodwell		2.7	5.0	10.0	1.0	10.0	5.5	1.0		35.2
Guthrie			0.3	6.0	2.0	8.0	2.0			18.3
Guymon		(*)	(*)	15.8	T.	12.0	6.0	T.		
Harrington			0.2	12.0		5.0	T.	(*)	(*)	
Hartshorne			T.	3.0	1.0	6.0	T.			10.0
Healdton			T.	6.0	T.	6.0				12.0
Helena			1.5	5.5	0.2	2.8	5.0			15.0
Hennessey			1.5	3.0	2.5	3.0	3.0			13.0

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oklahoma—Continued.										
Hobart			1.1	9.0	T.	2.0				12.1
Holdenville			T.	3.0		5.0				8.0
Hooker		3.0	5.5	14.0	T.	10.0	5.0			37.5
Hurley		20.0	7.0	13.2	2.0	22.0	8.0	T.	T.	72.2
Idabel				(*)		(*)	(*)	(*)		
Jefferson			2.0	3.0	T.	8.0	6.0			19.0
Kenton		0.9	1.5	12.5	T.	18.5	2.0	2.0	4.0	41.4
Kingfisher			0.5	6.0	0.8	7.5	T.			14.8
McAlester			T.	5.3	T.	6.5				11.8
McComb			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Mangum			T.	6.2	T.	4.0	T.			10.2
Marlow			0.6	4.0	T.	3.1	T.			7.7
May			(*)	(*)	(*)	(*)	12.8	5.0		
Meeker			1.0	3.0	1.0	6.0	T.			11.0
Muskogee			T.	4.0	T.	2.0	T.			6.0
Mutual			1.0	14.0		6.0	4.0			25.0
Neola			1.6	(*)	T.	(*)	0.2			
Newkirk			T.	T.	0.2	11.0	4.5			15.7
Norman			1.2	3.0	0.5	5.0				9.7
Oakwood			2.0	16.0	T.	6.0	0.5	0.5		25.0
O'Keene			1.6	6.2	0.3	6.0	1.1			15.2
Oklahoma			1.0	6.7	1.0	5.0	0.5			14.2
Okmulgee			T.	4.0	T.	4.0				8.0
Pauls Valley				4.0		(*)	(*)			
Pawhuska			4.0	7.6	2.0	5.0	2.1			20.7
Perry			2.0	4.5	1.5	7.0	2.0			17.0
Ravia				T.		4.0				4.0
Sac and Fox Agency			2.5	6.2	0.2	4.0				12.9
Shawnee			T.	2.5	T.	4.0	T.			6.5
Snyder			T.	2.0		3.0				5.0
Stillwater			1.0	4.5	1.0	3.0	T.			9.5
Tulsa			0.8	1.2	0.5	5.0	T.			7.5
Vinita			T.	2.0	2.0	10.0	2.0			16.0
Wagoner			1.0	(*)	1.5	12.0				
Waukomis			1.0	3.0	T.	6.0				10.0
Waurika				6.0	T.	2.0	T.			8.0
Weatherford			2.7	9.3	T.	1.6	0.5			14.1
Webbers Falls					T.	2.0				2.0
Whiteagle			1.0	2.0	0.5	6.0	1.0			10.5
Woodward		2.0	5.5	16.5	0.8	14.2	7.2			46.2
Oregon.										
Ashland			1.0	9.5		0.5		3.5		14.5
Astoria										0.0
Baker		T.	8.0	11.8	20.7	5.1	11.3	1.2	T.	58.1
Bay City			2.2	T.	0.5					2.7
Burns			4.0	8.0	8.0		4.0	13.0		37.0
Cascadia			3.0	4.5						7.5
Corvallis			1.5	0.5						2.0
Dayville			1.0	0.4	14.0	1.0	2.0	1.0		19.4
Eugene										0.0
Fairview			1.0	0.5						1.5
Forest Grove			0.7	1.5	5.0					7.2
Glenora			16.0	22.0	1.0		6.0	T.		45.0
Grants Pass			0.5	2.6		0.8				3.9
Heppner			6.2	T.	13.0	T.	T.			19.2
Hermiston			T.	0.5	11.7		T.			12.2
Hood River			8.0	7.0	36.0	6.0	T.			57.0
Jacksonville			1.5	5.8	1.8	1.5				10.6
Klamath Falls			6.0	12.0	T.	T.	4.0	4.0		26.0
La Grande			8.3	12.2	44.2	20.5	4.2			89.4
Metolius			0.5	0.5	20.0		7.0			28.0
Miramonte			0.5	1.0	2.0		0.5			4.0
Newport										0.0
Pompeii			31.3	64.5	77.0	47.0	42.5	17.2	2.5	282.0
Portland			1.2	0.6	7.9		T.	T.		9.7
Prairie City			0.5	15.4	31.5	5.5	8.0			60.9
Prineville			2.0	3.0	14.5	T.	7.0			26.5
Prospect			16.0	48.5	7.0	12.0	24.0	(*)	T.	

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oregon—Continued.										
Range	.....	.....	16.0	.....	21.0	12.0	5.0	.....	.....	54.0
Riverside	.....	.....	2.5	10.0	6.5	T.	12.0	10.0	.....	41.0
Roseburg	.....	.....	3.0	0.3	.....	.....	0.9	.....	.....	4.2
Seneca	.....	.....	4.0	8.0	16.0	8.0	2.0	10.0	.....	48.0
Silver Lake	.....	.....	(*)	1.5	0.5	.....	2.0	3.0	.....	.....
Sisters	.....	.....	9.0	8.5	22.1	7.0	35.0	1.5	T.	83.1
The Dalles	.....	.....	2.0	3.0	50.0	.....	.....	.....	.....	55.0
Umatilla	.....	.....	T.	1.0	13.4	.....	T.	.....	.....	14.4
Vale	.....	.....	T.	3.3	12.3	T.	.....	.....	.....	15.6
Warmspring	.....	.....	T.	0.5	37.0	.....	2.0	.....	.....	39.5
Weston	.....	.....	5.5	8.0	4.5	4.0	5.5	T.	.....	27.5
Pennsylvania.										
Aleppo	.....	.....	2.0	3.0	11.0	5.0	10.0	T.	.....	31.0
Clearfield	.....	.....	(*)	(*)	15.5	10.4	(*)	(*)	(*)	.....
East Mauch Chunk	.....	.....	7.5	6.0	12.0	5.0	8.5	.....	.....	39.0
Emporium	.....	.....	0.5	8.1	12.3	7.7	7.5	0.5	.....	36.6
Erie	.....	.....	12.2	11.1	23.5	8.5	8.4	0.1	T.	63.8
Everett	.....	.....	.....	0.5	10.3	T.	5.0	0.1	.....	15.9
Franklin	.....	.....	7.0	7.0	11.3	7.5	5.5	1.0	T.	39.3
Gettysburg	.....	.....	0.5	4.5	15.4	1.5	8.6	T.	.....	30.5
Gordon	.....	.....	6.0	4.5	26.0	10.0	12.0	.....	.....	58.5
Harrisburg	.....	.....	3.0	3.6	12.2	3.3	6.3	T.	.....	28.4
Huntingdon	.....	.....	1.5	3.5	11.5	4.5	8.5	.....	.....	29.5
Indiana	.....	.....	2.5	6.5	18.0	8.0	4.0	0.5	T.	39.5
Irwin	.....	.....	2.7	8.2	6.7	3.5	1.9	T.	.....	23.0
Johnstown	.....	.....	3.2	10.4	22.2	11.1	2.9	T.	.....	49.8
Kennett Square	.....	.....	.....	1.1	13.8	0.5	2.0	T.	.....	17.4
Lawrenceville	.....	.....	(*)	0.4	8.0	6.5	17.0	3.0	(*)	.....
Le Roy	.....	.....	3.0	6.1	6.8	10.9	16.3	0.7	T.	43.8
Lewisburg	.....	.....	1.5	5.8	12.5	7.0	10.6	T.	.....	37.4
Lock Haven	.....	.....	2.3	7.0	12.5	10.2	11.7	T.	.....	43.7
Milford	.....	.....	4.0	8.3	(*)	3.0	(*)	T.	T.	.....
Montrose	.....	.....	4.4	7.0	12.0	4.0	11.0	3.0	.....	41.4
New Germantown	.....	.....	0.8	2.5	10.0	3.0	4.2	(*)	.....	.....
Philadelphia	.....	.....	T.	1.8	15.0	1.6	4.1	T.	.....	22.5
Pittsburgh	.....	.....	5.0	7.9	13.8	8.3	3.5	2.5	.....	41.0
Reading	.....	.....	1.8	1.7	11.7	4.7	4.7	T.	.....	24.6
Saegerstown	.....	.....	14.0	6.5	21.5	10.0	3.5	6.0	T.	61.5
Scranton	.....	.....	3.4	4.4	13.4	4.1	7.8	0.3	.....	33.4
Skidmore	.....	.....	(*)	6.0	(*)	4.0	(*)	(*)	.....	.....
Somerset	.....	.....	10.2	9.0	25.5	9.3	7.0	T.	.....	61.0
Uniontown	.....	.....	1.5	T.	21.2	8.5	2.0	1.0	T.	34.2
Warren	.....	.....	11.4	9.0	19.3	17.5	15.4	7.0	1.0	80.6
Wellsboro	.....	.....	T.	9.0	8.0	9.0	18.5	T.	.....	44.5
Rhode Island.										
Block Island	.....	.....	.....	1.6	6.5	1.6	2.2	.....	.....	11.9
Bristol	.....	.....	T.	2.5	15.0	0.8	8.5	T.	.....	26.8
Kingston	.....	.....	.....	3.0	18.5	2.0	9.0	.....	.....	32.5
Narragansett Pier	.....	.....	T.	3.5	11.0	2.0	6.0	.....	.....	22.5
Providence	.....	.....	T.	3.2	22.9	0.6	9.5	T.	.....	36.2
South Carolina.										
Aiken	.....	.....	.....	.....	6.5	7.5	.....	.....	.....	14.0
Allendale	.....	.....	.....	.....	3.0	5.0	.....	.....	.....	8.0
Anderson	.....	.....	.....	.....	4.5	2.0	.....	.....	.....	6.5
Batesburg	.....	.....	.....	.....	5.9	7.5	.....	.....	.....	13.4
Beaufort	.....	.....	.....	.....	2.0	0.5	.....	.....	.....	2.5
Blackville	.....	.....	.....	.....	4.0	4.5	.....	.....	.....	8.5
Blairs	.....	.....	.....	.....	7.0	6.5	.....	.....	.....	13.5
Bowman	.....	.....	.....	.....	5.5	4.5	.....	.....	.....	10.0
Broxton	.....	.....	.....	.....	(*)	1.5	.....	.....	.....	.....
Calhoun Falls	.....	.....	.....	.....	4.0	0.8	.....	.....	.....	4.8
Camden	.....	.....	.....	.....	5.8	7.0	.....	.....	.....	12.8
Catawba	.....	.....	.....	.....	5.0	(*)	.....	.....	.....	.....
Chappells	.....	.....	.....	.....	3.0	6.0	.....	.....	.....	9.0
Charleston	.....	.....	.....	.....	T.	1.0	.....	.....	.....	1.0

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
South Carolina—Continued.										
Cheraw					6.1	8.5				14.6
Clemson College					6.7	2.0				
Columbia					5.9	8.1				14.0
Conway					6.2	10.5				16.7
Darlington					11.3	9.0				20.3
Dillon					9.0	(*)				
Edisto					6.0	1.5				7.5
Effingham					7.0	11.0				18.0
Ferguson					3.0	4.0				7.0
Florence					7.0	(*)				
Georgetown					3.0	3.0				6.0
Greenville					6.5	3.5	1.0			11.0
Greenwood					5.0	4.0				9.0
Heath Springs					8.0	12.0				20.0
Kingstree					5.0	12.0				17.0
Liberty					7.0	5.5	1.0			13.5
Little Mountain					5.0	13.0				18.0
Meriwether					(*)	3.4				
Newberry					5.9	10.0				15.9
Pelzer					5.7	2.5				8.2
Pinopolis					3.0	5.0				8.0
St. George					4.0	2.0				6.0
St. Matthews					4.0	7.0				11.0
Saluda					9.0	6.0				15.0
Santuc					5.7	4.5	T.			10.2
Smith Mills					4.5	18.0				22.5
Society Hill					8.0	12.5				20.5
Spartanburg					8.5	2.5	T.			11.0
Summerville					2.1	1.0				3.1
Trenton					4.0	4.0				8.0
Walterboro					(*)	(*)				
Winnsboro					4.0	(*)				
Winthrop College					5.5	2.0				7.5
Yemassee					(*)	T.				
South Dakota.										
Aberdeen		2.0	17.0	10.0	3.2	3.0	9.0	(*)		
Academy		4.5	3.2	6.2	1.5	1.0	8.7	2.0		27.1
Alexandria			(*)	5.0	(*)	(*)	(*)	(*)	(*)	
Ardmore		(*)	(*)	6.5	11.2	3.0	13.5	1.5		
Armour		4.0	(*)	5.5	3.5	2.0	15.0	(*)	(*)	
Bellefourche		T.	7.5	15.0	T.	(*)	(*)	(*)		
Brookings		T.	2.2	4.1	3.2	3.0	7.2	(*)		
Bryant	(*)	(*)	(*)	3.1	2.1	0.9	0.6			
Camp Crook		T.	3.6	10.2	2.9	0.4	4.6	5.0	4.0	30.7
Canton		3.0	T.	12.0	(*)	(*)	8.0	(*)	(*)	
Cascade Springs		6.0	2.2	8.3	7.7	2.3	21.1	(*)		
Castlewood		T.	3.4	2.2	2.4	1.1	(*)	T.		
Centerville		6.2	2.2	9.4	5.6	4.1	10.9	(*)		
Chamberlain	(*)	1.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Clark		1.0	14.0	9.0	6.2	2.0	3.8	(*)		
Cottonwood		4.0	2.2	6.0	9.0	0.5	3.0	T.		24.7
Custer		5.8	14.0	13.0		9.0	(*)	(*)		
Daviston		1.0	6.5	7.0	4.0	3.7	7.8	T.		30.0
Deadwood		14.0	37.0	25.2	4.2	19.2	10.3	20.8	3.0	133.7
Deerfield		8.0	25.6	7.8	4.3	14.1	14.5	15.7	6.7	96.7
De Smet		T.	(*)	6.2	1.0	1.0	4.5	(*)		
Dowling		2.0	11.5	5.0	5.0	1.5	8.3	T.		33.3
Dumont		7.5	32.0	25.0	4.0	16.5	10.5	30.0	5.0	130.5
Eagle Butte	(*)	(*)	8.5	6.0	3.4	1.7	10.9	(*)		
Eales		T.	10.2	7.2	4.2	3.0	8.0	T.		32.6
Edson		(*)	9.8	3.5	0.8	1.1	14.0	(*)		
Elk Mountain		14.0	8.0	6.5	7.5	6.4	15.3	6.0	2.0	65.7
Ellingson	(*)	(*)	(*)	(*)	1.5	1.0	3.8	T.	2.0	
Englewood		11.5	41.0	46.3	2.0	28.0	30.0	20.2	7.0	186.0
Eureka		T.	8.5	8.0	2.5	4.0	10.5	(*)		
Fairfax		4.0	1.8	6.5	2.1	2.5	16.8	(*)		
Faulkton		(*)	4.0	7.0	1.0	2.0	1.5	(*)		
Flandreau		T.	2.0	8.2	T.	2.4	10.0			22.6

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
South Dakota—Continued.										
Forestburg	.....	1.1	6.4	9.4	T.	1.5	3.7	(*)	.....	.....
Fort Meade	(*)	(*)	(*)	(*)	(*)	3.2	13.3	12.0	1.0	.....
Frederick	.....	T.	14.0	(*)	(*)	(*)	6.5	(*)	.....	.....
Gannvalley	.....	0.5	3.0	5.0	(*)	(*)	(*)	(*)	(*)	.....
Greenmont	.....	17.0	42.0	40.0	2.0	23.0	18.0	39.0	8.0	189.0
Greenwood	.....	4.0	2.7	5.7	3.0	1.0	14.2	(*)	.....	.....
Hardingrove	.....	0.1	1.7	5.8	1.9	1.0	(*)	(*)	.....	.....
Hardy Ranger Station	.....	11.0	23.0	16.0	4.0	(*)	(*)	22.9	(*)	.....
Harveys Ranch	.....	18.0	36.7	23.5	13.9	39.2	13.9	46.4	12.0	203.6
Hermosa	.....	4.5	5.8	7.8	1.5	2.2	19.2	0.5	T.	41.5
Highmore	.....	T.	3.1	4.8	0.3	1.2	2.4	(*)	.....	.....
Hopewell	.....	T.	8.5	4.0	3.0	0.5	9.0	T.	.....	25.0
Howard	.....	1.5	1.2	11.0	5.2	1.5	3.5	(*)	.....	.....
Howell	.....	0.1	3.6	6.1	2.5	3.5	2.5	T.	.....	18.3
Huron	.....	0.1	2.9	5.2	2.7	1.2	3.7	0.1	.....	15.9
Ipswich	.....	(*)	14.0	(*)	2.5	(*)	(*)	(*)	.....	.....
Kadoka	.....	2.5	1.8	2.0	1.8	1.6	4.9	T.	.....	14.6
Kennebec	.....	2.6	6.5	6.5	3.0	1.0	6.0	0.5	.....	26.1
Kidder	(*)	(*)	15.5	5.1	(*)	0.5	0.5	(*)	(*)	.....
Kimball	.....	1.0	2.0	4.5	1.6	0.8	2.8	(*)	.....	.....
Lacreek	(*)	(*)	(*)	10.2	8.2	(*)	(*)	(*)	(*)	.....
La Delle	.....	T.	6.0	4.0	7.0	2.0	3.4	.....	.....	22.4
Lead	.....	12.0	31.2	29.0	4.0	14.0	13.8	29.0	6.0	139.0
Lemmon	.....	0.9	9.0	6.8	5.5	1.2	6.7	(*)	(*)	.....
Manderson	.....	9.1	1.9	2.3	2.7	0.6	4.4	2.5	0.4	23.9
Marion	.....	0.5	1.7	10.7	1.5	1.8	10.0	(*)	.....	.....
Marston	.....	T.	6.0	4.0	1.0	1.0	1.0	T.	.....	13.0
Mellette	.....	0.1	9.5	2.6	3.1	0.6	1.4	(*)	.....	.....
Menno	.....	3.2	2.5	(*)	(*)	(*)	8.8	.....	(*)	.....
Milbank	.....	.....	9.0	4.6	1.2	0.5	3.5	(*)	.....	.....
Mitchell	.....	T.	1.5	9.5	T.	(*)	9.5	(*)	.....	.....
Mobridge	.....	(*)	9.5	14.2	T.	2.5	7.5	(*)	.....	.....
Murdo	.....	(*)	9.0	6.0	(*)	0.5	8.0	(*)	.....	.....
Oelrichs	.....	10.0	2.0	5.0	4.5	4.5	14.0	(*)	.....	.....
Onaka	.....	0.8	8.0	10.0	3.4	7.1	3.9	(*)	.....	.....
Orman	.....	0.8	7.2	13.8	0.7	1.5	9.5	0.5	.....	34.0
Ottumwa	.....	(*)	11.0	7.0	4.5	3.0	8.5	T.	.....	.....
Parkston	.....	4.0	8.5	17.5	2.8	3.5	14.0	(*)	.....	.....
Pierre	.....	0.4	7.1	6.0	2.8	(*)	5.2	.....	.....	.....
Plankinton	.....	5.5	5.5	8.9	2.0	1.2	7.4	T.	.....	30.5
Rapid City	.....	2.9	11.8	7.8	1.6	3.1	15.5	2.8	T.	45.5
Redfield	.....	(*)	7.0	(*)	(*)	(*)	(*)	(*)	.....	.....
Rochford	.....	8.0	27.5	17.1	7.0	9.5	18.0	22.5	.....	109.6
Rosebud	.....	9.0	11.5	8.8	6.5	8.5	8.8	4.5	T.	57.6
Roslyn	.....	T.	10.5	2.5	1.3	0.7	2.2	0.2	.....	17.4
Selby	.....	T.	8.0	4.7	(*)	2.0	(*)	(*)	.....	.....
Sioux Falls	.....	2.0	6.5	14.2	(*)	(*)	8.0	(*)	.....	.....
Sorum	.....	2.0	4.0	5.5	1.2	1.7	7.5	0.1	1.0	23.0
Spearfish	.....	5.5	23.0	15.0	3.0	6.0	(*)	15.0	.....	.....
Stephan	.....	0.5	3.5	2.5	3.0	2.0	4.0	T.	.....	15.5
Tama	.....	(*)	7.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Timber Lake	.....	0.4	11.0	5.5	4.0	2.5	12.0	T.	.....	35.4
Tyndall	.....	6.0	8.0	7.0	2.0	2.0	14.5	T.	.....	39.5
Vale	.....	3.5	5.5	7.5	1.1	2.0	11.5	3.0	0.5	34.6
Vermilion	.....	6.0	0.2	9.5	3.0	4.0	16.0	(*)	.....	.....
Waters Ranch	.....	8.4	27.2	17.7	4.0	7.9	18.7	12.5	1.2	97.6
Watertown	.....	T.	7.0	(*)	1.0	2.5	4.5	(*)	.....	.....
Wentworth	.....	T.	0.7	5.2	1.8	2.2	3.7	(*)	.....	.....
Wessington Springs	.....	1.0	1.6	7.0	5.9	5.0	7.1	0.1	.....	27.7
White Lake	.....	(*)	T.	(*)	(*)	0.5	(*)	(*)	.....	.....
Winner	(*)	(*)	(*)	(*)	(*)	(*)	5.5	3.0	.....	.....
Yankton	.....	4.6	3.5	9.7	4.0	8.5	16.1	T.	.....	46.4
Tennessee.										
Ashwood	.....	.....	T.	T.	2.5	2.0	.....	.....	.....	4.5
Boliver	.....	.....	T.	.....	3.0	4.0	.....	.....	.....	7.0
Brydstown	.....	.....	T.	.....	3.5	1.5	1.0	.....	.....	6.0
Chattanooga	.....	.....	0.1	T.	2.8	10.8	T.	.....	.....	13.7
Clarksville	.....	.....	0.3	.....	5.5	2.9	2.1	.....	.....	10.8

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Tennessee—Continued.										
Decatur			T.	T.	2.0	6.0	T.			8.0
Florence			1.0	T.	4.5	2.0	2.0			9.5
Johnson City			T.	T.	3.0	4.7	3.5			11.2
Knoxville			1.0	T.	3.5	2.3	1.6			8.4
McMinnville			1.6	0.3	3.4	4.5	1.0			10.8
Memphis			T.		3.5	T.	T.			3.5
Nashville			T.	T.	4.4	1.7	3.5			9.6
Palmetto			T.	T.	2.0	2.5				4.5
Rogersville			T.	T.	3.5	2.5	2.5			8.5
Rugby			1.5	T.	10.5	7.0	3.0			22.0
Sparta			0.7	T.	1.0	3.4	0.5			5.6
Trenton			T.		6.0	4.0	1.0			11.0
Union City			(*)	(*)	13.0	5.0	3.0			21.0
Waynesboro			T.	T.	1.7	0.5	T.			2.2
Wildersville			T.		2.5	2.2	T.			4.7
Yukon			T.		(*)	3.0	0			
Texas.										
Abilene				0.4	T.	0.2	T.			0.6
Albany						T.				T.
Alice										0.0
Alpine				8.0	T.	T.	T.			8.0
Alvin										0.0
Amarillo		3.1	8.2	9.0	T.	16.3	3.5	T.		40.1
Anahuac					0.1					0.1
Antelope				1.5	T.	2.0				3.5
Archer City				3.0	T.					3.0
Arthur City										0.0
Aspermont										0.0
Austin										0.0
Ballinger										0.0
Barstow				4.0	0.5					4.5
Bay City					T.					T.
Beaumont										0.0
Beeville										0.0
Big Springs					T.	T.				T.
Blanco					T.					T.
Boerne										0.0
Bonham										0.0
Booth										0.0
Bowie				6.0	T.	2.0	0.5			8.5
Brazoria										0.0
Brazos										0.0
Brenham										0.0
Bridgeport						T.	T.			T.
Brighton										0.0
Brownsville										0.0
Brownwood						T.				T.
Cameron										0.0
Canadian		1.4	2.0	(*)		(*)	5.0			
Carmona					T.					T.
Childress		T.	2.5	7.5		6.5	1.0			17.5
Chillicothe			1.0	3.0		4.0				8.0
Clarendon		3.0	4.0	9.8	T.	7.5	0.5			24.8
Clarksville		(*)	(*)	(*)		T.				
Claude		4.0	4.0	8.0		12.0	1.5			29.5
Claytonville										0.0
Clifton				T.						T.
Coleman						T.				T.
College Station										0.0
Colorado						T.				T.
Columbia										0.0
Columbus										0.0
Corpus Christi					0.1					0.1
Corsicana										0.0
Cotulla										0.0
Crockett										0.0
Cuero										0.0
Dalhart		7.0	2.0	14.0		13.0	4.5			40.5

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Dallas				T.	T.	T.				T.
Danevang										0.0
Decatur	(*)	(*)	(*)	(*)						
Del Rio										0.0
Denison				0.1		3.0				3.1
Devine										0.0
Dialville					T.					T.
Dilley										0.0
Dublin										0.0
Duval					T.					T.
Eagle Pass			T.							T.
Eastland				T.		T.				T.
Edna										0.0
El Paso			0.1	1.5		T.				1.6
Eola						T.	(*)	(*)		
Fairland										0.0
Falfurrias										0.0
Finley					(*)					
Flatonia										0.0
Flint					T.					T.
Fort Clark					T.					T.
Fort Davis	(*)	(*)	(*)	(*)		1.0				
Fort McIntosh										0.0
Fort Stockton				5.5	T.	T.				5.5
Fort Worth				0.2	T.	T.	T.			0.2
Fredericksburg				T.	0.5					0.5
Gainesville										0.0
Galveston					T.					T.
Gatesville										0.0
Georgetown					T.					T.
Gonzales										0.0
Gorham										0.0
Graham				6.0		1.5				7.5
Grand Falls				4.0	1.0					5.0
Grand Saline										0.0
Grapevine				2.0	T.	0.5	T.			2.5
Greenville										
Halletsville										0.0
Hamlin						T.				T.
Harlingen					(*)	T.				
Harper										0.0
Haskell						1.0				1.0
Hebbronville										
Hempstead										0.0
Henderson										0.0
Henrietta				0.5						0.5
Hereford		2.0	6.0	11.2	(*)	13.5	1.2		(*)	
Hewitt										0.0
Hico				0.9						0.9
Hillsboro										0.0
Hondo										0.0
Houston					0.1					0.1
Huntsville										0.0
Jayton		(*)	(*)	(*)				(*)	(*)	
Jewett					T.					T.
Junction										0.0
Kaufman										0.0
Kerrville										0.0
Knickerbocker			T.			T.				T.
Kopperl										0.0
Lagrange										0.0
Lamesa		T.	T.	(*)		1.0				
Lampasas					T.					T.
Lapara										0.0
Laureles Ranch				(*)						
Liberty					T.					T.
Llano										0.0
Llano Grande										0.0
Long Lake										0.0
Longview					T.					T.

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Lubbock		4.1	0.1	1.2	T.	0.3	T.			5.7
Lufkin					T.					T.
Luling										0.0
McGregor										0.0
Marathon			T.	7.0	T.	4.0				11.0
Marble Falls										0.0
Marfa				1.5		0.2	T.			1.7
Marshall					0.5					0.5
Matagorda										0.0
Memphis			2.5	4.0		3.5				10.0
Mexia					T.					T.
Miami		3.0	5.0	16.0	0.5	13.0	3.0	T.		40.5
Midland				1.0		T.				1.0
Mission										0.0
Molbeetie			6.0	(*)	(*)	(*)	(*)	(*)		
Mont Belvieu										0.0
Mountain View				5.0	0.2					5.2
Mount Blanco			2.0	T.	T.	6.0				8.0
Nacogdoches					T.					T.
New Braunfels					0.4					0.4
Ochiltree			4.0	14.0		11.0	11.0	(*)		
Palestine					T.					T.
Panhandle			5.0	12.0	3.0	16.0	10.0			46.0
Panter				T.						T.
Paris			T.		T.	T.				T.
Pearsall										0.0
Pierce										0.0
Plainview		3.5	0.5	10.8		4.0	T.			18.8
Plemons		3.0	6.0	13.5		16.0	5.2			43.7
Port Arthur							(*)	(*)	(*)	
Port Lavaca										0.0
Post City		1.0	0.5	0.5	(*)	(*)	(*)	(*)	(*)	
Putnam				T.			0.2			0.2
Quanah			1.2	6.2		4.0				11.4
Raymondville					T.	T.				T.
Ricardo		(*)	(*)	(*)						
Ringo Crossing										0.0
Riverside										0.0
Rockland										0.0
Rockport					0.2					0.2
Romero		5.0	5.2	9.3		18.0	1.4	T.		38.9
Rossville										0.0
Runge										0.0
Sabinal										0.0
Salado										0.0
San Angelo			T.			T.				T.
San Antonio										0.0
San Augustine					T.					T.
San Juanito										0.0
San Marcos										0.0
San Saba										0.0
Santa Gertrudes										0.0
Sealy					T.					T.
Seymour				T.	T.	10.5	T.			10.5
Sherman				T.	T.	T.				T.
Snyder				0.7		0.5				1.2
Somerville										0.0
Sonora	(*)	(*)	(*)							
Spur		0.8	0.2	1.7		1.0				3.7
Stamford						0.6				0.6
Stratford		5.0	3.0	16.0	T.	11.5	10.0	T.		45.5
Sutherland Springs						(*)	(*)			
Taylor					T.					T.
Temple										0.0
Texline		5.5	2.5	8.5		18.2	7.0	3.0		44.7
Theodore				3.0						3.0
Thurber										0.0
Tivoli										0.0
Tulia		7.5	8.0	15.2	T.	17.0	T.	T.		47.7
Uvalde			T.			(*)	(*)			

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Valentine				(*)		2.0				
Valley Junction										0.0
Victoria										0.0
Waco										0.0
Waxahachie					T.					T.
Weatherford				1.0						1.0
Wichita Falls				2.0	0.2	5.0				7.2
Wills Point										0.0
Winfield					(*)	T.				
Winters							(*)	(*)		
Utah.										
Aneth				3.0			0.1	(*)		
Beaver			4.5	10.0	(*)	(*)	9.0	5.0		
Corinne			0.5	4.5	5.5	3.0	3.0	8.0		24.5
Deseret			3.0	9.0	5.0	5.0	6.0		T.	28.0
Emery			T.	2.0	T.	7.0	14.0	1.0		24.0
Farmington			13.0	20.3	3.0	3.5	29.8	12.5		82.1
Fort Duchesne				4.3	0.2		(*)	(*)		
Green River			T.	3.0	0.5	3.5	T.	(*)		
Heber		T.	9.5	13.0	24.0	2.0	30.0	1.5	4.0	84.0
Henefer		(*)	15.0	6.0	14.5	1.5	31.0	13.5	7.5	
Hite			T.	10.0	(*)		T.	T.		
Kelton			1.0	3.0	3.0	2.0	5.0	(*)	T.	
Levan			8.6	17.2	4.6	6.2	26.2	8.6	3.8	75.2
Logan		(*)	(*)	(*)	4.5	3.0	12.0	(*)	(*)	
Manila			3.5	7.5		10.5	15.0	4.5	8.5	49.5
Manti			5.0	4.8	1.0	6.5	(*)	(*)	(*)	
Marysvale		T.	5.5	10.8	7.2	3.0	15.1	5.6	0.2	47.4
Meadowville		3.7	5.0	1.5	13.0	5.0	37.5	3.0	10.5	79.2
Milford			3.0	17.0	2.0	(*)	5.0	(*)		
Moab			1.0	2.0	1.6	4.0	4.0	T.		12.6
Modena			0.2	8.6	T.	0.7	20.2	10.4	0.8	40.9
Ogden			(*)	22.5	5.0	8.0	6.0	7.0		
Provo			(*)	20.2	(*)	(*)	4.0	6.0	(*)	
St. George					(*)		(*)	(*)		
Salt Lake City		2.0	5.5	11.8	5.6	5.0	20.5	4.1	2.0	56.5
Scofield		(*)	16.5	7.0	9.5	3.0	19.0	9.8	2.7	
Strawberry Tunnel		4.0	24.5	35.5	28.2	16.5	50.5	32.5	15.1	206.8
Teasdale			(*)	10.0	(*)	16.0	29.5	(*)	3.5	
Vermont.										
Burlington		0.9	3.9	8.9	15.8	19.9	18.7	6.9	T.	75.0
Chelsea		2.0	6.0	6.0	29.0	16.0	14.0	(*)		
Enosburg Falls		T.	10.0	4.5	25.0	21.5	9.0	8.0	T.	78.0
Northfield	T.	2.2	8.1	5.8	23.6	24.9	18.6	6.9	1.6	91.7
Virginia.										
Arvonia					10.8	5.0	13.0			28.8
Ashland					7.0	1.5	12.8			21.3
Big Stone Gap			1.8	T.	8.5	3.0	4.5			17.8
Blacksburg			T.	T.	8.6	3.8	18.6			31.0
Buchanan					7.0	1.0	9.0			17.0
Burkes Garden			1.0	T.	15.0	7.0	14.0			37.0
Callaville					7.0		11.5			18.5
Cape Henry					5.7	3.0	5.5			14.2
Catawba			T.	T.	3.0	1.0	(*)			
Charlottesville					8.5	1.6	8.0			18.1
Clarksville					4.0		(*)			
Columbia					6.0	3.0	12.0			21.0
Culpeper					17.0	1.0	11.0			29.0
Dale Enterprise			T.	T.	14.0	1.0	4.0	T.		19.0
Danville				T.	3.0	3.0	10.4			16.4
Diamond Springs					7.0	2.0	10.5			19.5
Eastville					8.8	T.	8.0			16.8
Elk Knob			1.5	T.	9.2	4.5	5.5			20.7
Fredericksburg					10.8	1.8	9.8			22.4
Hampton					7.2		6.3			13.5
Hot Springs			0.1	1.0	13.5	1.5	10.5	T.		26.6

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Virginia—Continued.										
Ivanhoe			T.	T.	4.8	6.8	13.7			25.3
Lassiter					8.0	4.5	2.0			14.5
Lebanon			2.5	0.5	12.0	6.0	5.0			26.0
Lexington					4.0	1.5	8.8			14.3
Lincoln			T.		14.0	0.5	2.0			16.5
Lynchburg			T.		5.5	3.4	9.6			18.5
Max Meadows			T.	T.	7.0	6.0	14.2			27.2
Mendota			1.0		9.0	8.3	(*)			
Mountain Lake			4.0		1.0	(*)	6.0			
Mount Weather			T.	2.3	16.7	1.4	6.2	T.		26.6
Newport News					6.8		9.0			15.8
Norfolk					7.7	1.5	12.1			21.3
Petersburg					(*)	1.5	9.0			
Radford					6.5	3.0	15.0			24.5
Randolph					7.5		(*)			
Richmond				T.	8.9	1.7	11.3			21.9
Roanoke		T.	T.	T.	8.0	1.5	14.0			23.5
Rocky Mount					3.0	4.0	14.0			21.0
Spottsville					17.1	0.1	11.0			28.2
Staunton			T.	T.	8.5	2.0	5.5			16.0
Warsaw					12.0	0.5	10.0			22.5
Williamsburg					4.2		(*)			
Woodstock			T.	0.1	13.5	0.4	4.5			18.5
Wytheville			1.0	T.	7.2	8.6	12.8	T.		29.6
Washington.										
Aberdeen			13.5	2.0	8.0					23.5
Anacortes			2.2	0.8	3.0					6.0
Baker			14.8	26.1	3.0	T.				43.9
Bellingham			4.0	10.0	2.8					16.8
Bellingham (near)			6.0	10.0	2.5					18.5
Blaine			5.0	3.5	9.0					17.5
Blewett			35.0	36.0	44.0	15.0	21.0	2.0		153.0
Brewster			8.5	16.0	12.1	2.0	1.5			40.1
Bumping Lake			23.5	50.5	66.0	43.5	19.0	3.0		205.5
Cedar River			2.5	15.4	(*)		0.3			
Centralia			8.5	T.	15.0	T.	T.			23.5
Cle Elum			21.0	29.0	41.0	3.0	5.5			99.5
Clearbrook			(*)	19.0	30.0					
Colfax			(*)	(*)	(*)	(*)		T.		
Colville			12.5	24.2	8.8	1.2	5.0			51.7
Conconully			7.0	20.0	7.0		T.	T.		34.0
Cowiche			3.0	6.0	18.0		3.8			30.8
Crescent			16.0	18.0	5.0	4.0	3.0			46.0
Davenport			9.5	(*)	5.5		3.0			
Dayton			4.0	14.0	7.7		3.0			28.7
Deer Park			20.2	27.4	7.1	4.5	3.8	T.		63.0
Detroit			2.0	2.0	10.9					14.9
Dixie			18.0	41.0	27.0	44.0	36.5	21.0	T.	187.5
Dryden			18.0	32.6	(*)	7.0	4.5			
Duckabush			22.0	(*)	(*)	(*)	(*)	(*)	(*)	
Ellensburg			2.5	10.0	15.0	0.5				28.0
Forks			7.5	1.0	(*)	(*)	(*)	(*)	(*)	
Fort Simcoe			(*)	6.2	16.0	(*)	(*)	(*)	(*)	
Gerome			13.0	25.0	13.6	3.0	1.0			55.6
Goat Lake			40.7	66.0	23.0	21.5	46.0	7.0		204.2
Gold Basin		(*)	12.0	56.0	6.5	6.0	16.0	0.3		
Gold Creek			10.5	13.3	24.6	14.0	6.0			68.4
Goldendale			T.	(*)	22.0		3.0			
Guler	(*)	(*)	15.2	40.7	59.5	6.5	8.2			
Hatton			5.5	5.5	6.3		0.5			17.8
Huntsville			2.0	7.0	10.0					19.0
Irene Mountain			10.5	24.0	12.9	6.0	2.5	0.7		56.6
Kennewick			T.	3.0	10.0		1.8			14.8
Kettle Falls			13.5	21.2	16.5		4.5			55.7
Kosmos			16.5	17.0	25.0					58.5
La Center			3.5	3.5	8.0		0.2			15.2
La Crosse			6.0	7.5	6.0	T.	1.5	T.		21.0
Lake Clealum			36.5	32.7	43.5	9.0	8.3			130.0
Lake Kachess			36.0	36.0	42.0	15.0	15.0	2.0		146.0

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Washington—Continued.										
Lake Keechelus			48.0	75.0	80.0	54.0	47.0	4.0		308.0
Lakeside			8.0	19.5	21.5	3.5	T.			52.5
Laurel			13.2	19.5	44.7	3.9	6.0			87.3
Laurier			22.2	26.8	16.2	6.5	2.0			73.7
Lester			(*)	(*)	30.0	3.0	6.0			
Lone Tree			5.0							5.0
Lost Creek			7.5	31.0	10.0		5.0			53.5
McConihe			2.5	12.3	3.8	0.2	0.6			19.4
McCumbers Ranch			16.0	17.0	57.0	1.0	2.5			93.5
Moses Lake			(*)	(*)	(*)	T.	1.3			
Mottinger			T.	1.8	16.0		T.			17.8
Mount Pleasant			16.8	4.0	6.0		T.			26.8
Moxee			0.3	3.4	12.8		T.			16.5
Newport			17.5	33.0	13.5	9.5	5.0			78.5
Nighthawk			6.7	16.8	14.5	3.3	1.5			42.8
North Head			1.6				T.			1.6
Northport			13.5	36.0	16.0	5.0	1.0			71.5
North Yakima			0.7	2.5	14.4		T.			17.6
Odessa			7.0	16.0	8.0	T.	(*)			
Olga			6.0	3.0	2.0					11.0
Olympia			3.5	T.	10.0					13.5
Omak			4.0	18.7	11.0		(*)			
Peola			16.1	19.1	16.9	20.8	21.6	5.1	2.7	102.3
Pomeroy			4.5	9.0	7.0		3.0			23.5
Port Crescent			13.0	0.2	3.4			T.		16.6
Port Townsend			0.5	0.2	T.					0.7
Pullman			9.0	19.0	7.2	10.0	3.0			48.2
Queets River			0.3	T.	0.1					0.4
Quinault			9.0	(*)	5.0					
Republic			9.0	28.0	15.5	1.0	2.0	0.5		56.0
Rex Creek			26.0	18.0	35.0	1.0	3.0			123.0
Robertsville			23.0	19.0	52.0	5.0	9.0			108.0
Rock Lake			9.0	9.5	6.5	1.0	2.0			28.0
Rosalia			7.0	7.9	7.9	4.1	4.6			31.5
Russells Ranch			20.4	30.4	45.5	16.2	23.5	T.		136.0
Seattle			3.0	3.1	4.1		T.			10.2
Sedro-Woolley			3.0	(*)	(*)					
Sixprong			1.0	1.5	12.0					14.5
Skagit Power Dam			26.0	16.0	21.0					63.0
Snohomish			4.0	4.0	(*)	1.0				
Snoqualmie Falls			3.0	16.5	(*)		(*)	1.0		
Snoqualmie Pass			84.5	112.5	96.0	61.0	61.0	21.0		436.0
Snyders Ranch			25.5	20.0	40.0	5.0	4.0			94.5
South Bend			T.							T.
Spokane			18.0	18.1	6.6	2.0	3.7	T.		48.4
State University			0.3	1.5	5.2					7.0
Stokes Ranch			23.8	16.8	34.8	6.1	4.4			85.9
Sumner			1.7	6.0	3.0					10.7
Sunnyside			0.7	3.5	13.3					17.5
Tacoma			2.9	7.2	12.7		T.			22.8
Tatoosh Island			11.8	0.1	3.9					15.8
Tieton			11.8	14.4	24.9	T.	12.5			63.6
Touchet			T.	5.0	8.5		0.2			13.7
Touchet Ridge			18.0	43.0	31.0	36.0	47.0	34.0		209.0
Trinidad			3.0	14.0	11.0		1.0			29.0
Vancouver			0.7	1.0	10.0					11.7
Vashon Island			T.	T.	3.5					3.5
Wahluke			2.0	6.7	8.0					16.7
Wallace			11.7	18.7	17.4	5.0	3.3	10.0		66.1
Walla Walla			1.5	5.4	8.9	1.0	2.2			19.0
Washougal			T.	1.0	5.0					6.0
Waterville			9.5	20.3	22.0	0.1	6.5			58.4
Wenatchee, near			6.0	12.8	20.0	6.0	5.5	T.		50.3
White Salmon			11.7	7.7	44.1	6.0	0.4			69.9
Wilbur			4.0	17.5	7.5	0.5	1.7			31.2
Wind River			13.2	26.3	69.0	1.0	1.7			111.2
Winthrop			15.7	17.0	24.5	10.0	4.0			71.2
Yale			14.5	14.5	19.5	1.0	T.			49.5
Zindel			1.5	3.5	1.2	1.0				

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
West Virginia.										
Bancroft			2.8	(*)	10.2	4.0	2.8			
Bayard			8.8	5.5	24.5	12.0	6.5	0.4	T.	57.7
Beckley			3.0	2.0	10.0	8.0	5.0			28.0
Bens Run			4.0	2.0	16.0	10.0	8.0			40.0
Bluefield				T.	20.5	7.0	10.0	T.		37.5
Buckhannon			3.0	1.0	21.2	12.5	2.5	T.		40.2
Burlington			T.	T.	14.0	3.0	6.0			23.0
Cairo			4.0	(*)	10.0	(*)	(*)			
Central Station			T.	(*)	9.2	4.5	5.0	T.		
Charleston			1.5	T.	10.0	6.5	1.5			19.5
Creston			1.3	0.5	10.5	5.8	4.0			22.1
Cuba			1.0	T.	10.2	5.0	4.0			20.2
Elkhorn			1.2	0.5	18.3	5.3	8.5			33.8
Elkins			2.5	2.3	13.6	6.5	1.9	0.1		26.9
Fairmont			T.	0.5	10.2	5.9	3.3	T.		19.9
Glenville			1.5	0.5	13.0	5.0	4.0	T.		24.0
Grafton			1.0	T.	16.8	5.0	5.2			28.0
Green Sulphur Springs			1.8	1.0	13.6	8.0	9.0	T.		33.4
Harpers Ferry			(*)	(*)	12.0	(*)	4.5			
Hinton			0.5	T.	17.0	6.0	8.0			31.5
Huntington			2.0	T.	11.0	4.8	4.0			21.8
Lewisburg			T.	T.	12.0	4.0	12.0	T.		28.0
Lost City			T.	T.	14.0	T.	5.0	T.		19.0
Lost Creek			T.	0.5	11.8	4.8	4.0			21.1
Mannington			1.8	5.4	10.6	4.5	3.2	0.3		25.8
Marlinton			0.2	1.5	11.5	6.0	5.5			24.7
Martinsburg				T.	15.0	1.0	4.5			20.5
Moorefield			T.	T.	11.0	3.5	3.0			17.5
Morgantown			T.	3.0	15.5	7.5	7.0	T.		33.0
Moundsville			T.	T.	9.0	3.5	1.5	T.		14.0
New Cumberland			T.	5.0	4.0	2.0	T.	T.		11.0
Nuttallburg			3.0	(*)	19.0	18.0	3.0			
Parkersburg			3.4	0.2	9.1	3.8	2.3	T.		18.8
Parsons			5.0	3.0	19.5	13.0	8.0	T.	T.	48.5
Philippi			3.9	2.8	13.4	7.4	6.1	0.4		34.0
Pickens			11.0	8.0	34.0	27.0	13.0	1.0	T.	94.0
Point Pleasant			1.0	T.	7.0	4.0	3.5			15.5
Powellton			1.2	3.5	13.0	5.5	7.8			31.0
Princeton			4.5	3.0	30.0	12.0	14.0			63.5
Robertsburg			2.5		9.0	5.0	4.0			20.5
Romney			T.	T.	(*)	3.0	1.5			
Rowlesburg			2.6	2.0	13.7	6.3	1.7	T.		26.3
Ryan			4.1	0.1	11.2	4.9	4.8			25.1
St. Marys			(*)	T.	13.0	8.0	3.0			
Smithfield			3.5	3.5	15.5	7.5	2.5	T.		32.5
Spencer			1.0	1.0	10.4	6.0	3.2			21.6
Sutton			2.0	1.0	17.0	9.0	3.0			32.0
Terra Alta			(*)	(*)	30.1	(*)	(*)	(*)	(*)	
Union			0.5		12.0	4.0	10.6			27.1
Upper Tract					5.0	(*)	3.0			
Valleyfork			(*)	2.5	24.0	7.5	T.			
Wellsburg			6.5	9.0	14.2	6.8	3.7	2.0		42.2
Weston			1.4	2.0	13.0	9.4	4.6	(*)		
Wheeling			2.5	3.1	13.5	6.9	2.6	0.4		29.0
Williamson			1.5	T.	13.5	5.0	5.0			25.0
Wisconsin.										
Antigo		T.	17.4	18.0	7.2	3.8	1.8			48.2
Appleton		0.2	9.9	12.9	10.8	8.0	6.2	T.		48.0
Ashland			13.0	17.5	3.5	1.0	2.0	T.		37.0
Barron		0.1	13.2	14.0	4.0	2.5	3.5			37.3
Bayfield		T.	21.6	16.3	9.0	5.0	2.8	3.5		58.2
Beloit		0.5	7.5	7.5	5.2	5.0	12.8	8.0		46.5
Big St. Germain Dam		3.0	19.5	19.5	15.0	5.5	2.8			65.3
Brodhead		T.	4.0	6.0	7.5	13.0	15.0	12.0		57.5
Burnett		0.5	5.1	11.8	17.8	12.0	11.2	2.2		60.6
Cecil		T.	15.5	17.0	7.0	4.2	3.0			46.7
Cottage Grove		0.6	7.3	9.6	9.7	15.3	22.8	3.8		69.1
Darlington			2.0	5.0	(*)	16.4	14.1	13.0		

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Wisconsin—Continued.										
Deerskin Dam	.....	2.0	25.5	18.2	7.3	2.0	5.0	T.	.....	60.0
Delevan	.....	T.	8.0	8.0	4.5	12.1	14.0	10.0	.....	56.6
Dodgeville	.....	0.1	(*)	5.0	4.0	10.0	13.0	12.0	.....	.....
Downing	.....	T.	20.0	13.0	13.0	6.0	5.0	.....	.....	57.0
Eau Claire	.....	T.	13.2	14.2	5.3	1.8	3.1	0.4	.....	38.0
Florence	.....	T.	13.0	11.0	24.2	5.0	3.0	.....	.....	56.2
Fond du Lac	.....	T.	9.5	14.0	15.0	10.5	8.0	T.	.....	57.0
Grand Rapids	.....	.....	10.2	13.7	16.5	5.0	5.0	T.	.....	50.4
Grand River Locks	.....	.....	8.0	12.0	13.5	5.5	4.5	T.	.....	43.5
Grantsburg	.....	T.	24.7	12.5	9.0	11.0	10.0	1.0	.....	68.2
Green Bay	.....	T.	10.3	14.1	6.2	5.7	5.8	T.	.....	42.1
Hancock	.....	.....	10.0	9.0	9.0	12.0	4.0	T.	.....	44.0
Hatfield	.....	T.	6.0	15.0	2.5	1.8	5.0	.....	.....	30.3
Hayward	.....	.....	11.0	8.0	6.5	4.5	3.0	3.5	.....	36.5
High Falls	.....	T.	16.5	19.0	1.0	6.0	T.	T.	.....	42.5
Hillsboro	.....	T.	7.0	14.0	7.5	9.0	12.5	T.	.....	50.0
Iron River	.....	.....	29.5	32.0	6.0	6.5	5.0	4.0	.....	83.0
Kewaunee	.....	0.1	12.9	(*)	11.1	12.6	5.6	.....	.....	.....
Koepenick	.....	0.7	27.0	18.0	4.0	6.0	4.0	.....	.....	59.7
Lac du Flambeau	.....	T.	16.0	15.5	11.8	(*)	4.5	0.5	.....	.....
La Crosse	.....	.....	4.7	21.9	8.4	2.8	9.2	0.1	.....	47.1
Lake Mills	.....	0.8	8.1	8.2	6.5	6.0	12.2	2.9	.....	44.7
Lancaster	.....	0.1	3.0	6.5	8.5	7.0	17.5	3.0	.....	45.6
Long Lake	.....	0.2	19.7	20.0	7.2	3.6	3.0	T.	.....	53.7
Madison	.....	0.7	6.8	7.8	5.9	16.1	17.5	3.4	.....	58.2
Manitowoc	.....	.....	7.5	9.5	11.0	9.5	9.0	T.	.....	46.5
Mather	.....	T.	11.0	17.0	12.0	3.0	6.5	.....	.....	49.5
Mauston	.....	.....	4.0	10.0	5.0	7.0	12.0	T.	.....	38.0
Meadow Valley	.....	T.	9.5	15.0	9.0	4.0	5.0	.....	.....	42.5
Medford	.....	1.0	19.0	22.0	3.0	1.0	4.0	.....	.....	50.0
Menasha	.....	T.	7.5	12.0	9.0	3.5	4.5	.....	.....	36.5
Menomonee Falls	.....	0.5	5.1	6.2	6.6	11.5	7.5	2.8	.....	40.2
Merrill	.....	T.	19.8	24.9	2.0	(*)	1.5	.....	T.	.....
Milwaukee	.....	0.1	2.3	5.2	11.1	19.4	14.0	6.6	.....	58.7
Minocqua	.....	T.	16.5	18.0	6.5	4.5	3.0	T.	.....	48.5
Mondovi	.....	.....	10.0	18.0	7.5	5.5	8.0	1.0	.....	50.0
Mount Horeb	.....	1.0	4.5	7.0	8.0	11.0	11.0	6.0	T.	48.5
Muscoda	.....	T.	1.0	6.5	6.0	10.0	11.0	.....	.....	34.5
Neillsville	.....	T.	10.0	18.0	18.0	(*)	4.0	.....	.....	.....
New London	.....	T.	10.0	23.0	10.0	9.0	3.0	.....	.....	55.0
New Richmond	.....	T.	16.5	15.0	14.0	3.0	7.0	1.0	.....	56.5
Oconto	.....	.....	13.0	22.0	9.0	2.0	4.5	.....	.....	50.5
Osceola	.....	T.	14.0	19.0	8.5	3.8	7.0	2.0	.....	54.3
Oshkosh	.....	.....	10.0	13.0	7.0	2.0	6.0	.....	.....	38.0
Park Falls	.....	T.	12.2	9.8	1.9	2.0	2.5	.....	.....	28.4
Pine River	.....	.....	8.4	13.3	8.4	5.4	6.3	.....	.....	41.8
Plum Island	.....	T.	16.0	16.0	16.5	11.0	8.0	.....	.....	67.5
Plymouth	.....	T.	9.7	10.5	11.6	8.4	11.9	1.0	.....	53.1
Portage	.....	T.	5.4	10.5	8.0	7.5	12.2	0.5	.....	44.1
Port Edwards	.....	T.	9.3	23.5	15.0	5.5	7.0	T.	.....	60.3
Port Washington	.....	0.5	8.5	4.4	10.0	21.0	18.0	4.0	.....	66.4
Prairie du Chien	.....	T.	3.0	11.0	10.0	7.5	13.5	.....	.....	45.0
Prairie du Sac	.....	T.	5.5	9.5	11.0	11.5	10.5	1.5	.....	49.5
Prentice	.....	2.0	13.7	14.5	3.5	0.3	2.8	T.	T.	36.8
Racine	.....	T.	0.8	2.5	5.0	13.8	15.5	6.2	.....	43.8
Rhinelander	.....	T.	19.0	19.3	5.5	4.1	4.0	.....	.....	51.9
Ripon	.....	.....	11.6	13.1	11.0	9.0	6.3	.....	.....	51.0
Sheboygan	.....	T.	5.0	10.0	11.5	13.5	17.0	1.0	.....	58.0
Shullsburg	.....	T.	3.0	5.5	4.5	19.0	17.9	11.0	.....	60.9
Solon Springs	.....	T.	10.0	12.0	6.0	10.0	4.0	2.0	.....	44.0
Spooner	.....	T.	13.5	6.5	8.5	2.5	2.5	0.5	.....	34.0
Stanley	.....	.....	11.8	7.5	7.0	0.3	2.5	.....	.....	29.1
Stevens Point	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Sturgeon Bay	.....	T.	15.0	26.0	14.0	19.0	3.0	.....	.....	77.0
Sugar Camp Dam	.....	3.0	18.0	32.5	9.0	2.0	3.5	.....	.....	68.0
Superior	.....	.....	7.2	6.3	1.4	2.7	3.4	4.1	.....	25.1
Twin Lakes Dam	.....	.....	21.8	15.0	13.2	4.8	4.5	T.	.....	59.3
Valley Junction	.....	T.	6.9	12.0	10.4	5.5	7.8	T.	.....	42.6

Monthly and seasonal snowfall, 1911–1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Wisconsin—Continued.										
Viroqua	.....	T.	7.5	13.5	10.0	9.0	12.0	0.5	.....	52.5
Vudesare	.....	0.5	37.6	23.0	15.8	5.2	3.0	0.5	.....	85.6
Watertown	.....	0.5	7.0	8.0	13.8	16.0	18.0	2.0	.....	65.3
Waukesha	.....	0.8	4.8	9.5	13.5	16.2	13.0	6.3	.....	63.1
Waupaca	.....	.....	13.0	23.5	15.5	12.0	6.5	.....	.....	70.5
Wausau	.....	T.	14.0	7.5	6.0	0.6	4.0	.....	T.	32.1
Weyerhaeuser	.....	1.3	20.6	14.2	10.5	3.4	5.5	1.0	T.	56.5
Whitehall	.....	.....	12.1	22.0	9.0	4.0	7.0	T.	.....	54.1
Wyoming.										
Afton	.....	(*)	14.5	9.5	31.0	15.0	19.0	5.5	3.0	.....
Alta	0.1	14.0	21.3	23.8	22.8	13.2	16.6	18.7	3.6	134.1
Barnum	.....	7.2	14.3	5.1	7.0	12.1	17.0	9.0	14.0	85.7
Cheyenne	T.	2.1	6.1	2.9	4.4	22.2	14.3	14.1	3.7	69.8
Centennial	.....	9.5	15.1	1.7	22.8	41.3	24.8	24.1	25.9	155.2
Chugwater	.....	0.5	6.0	5.0	26.0	26.0	12.0	11.0	(*)	.....
Clark	.....	5.0	24.5	1.0	3.7	1.2	21.9	T.	0.9	58.2
Cokeville	.....	6.0	13.0	5.0	20.0	10.9	22.0	8.0	(*)	.....
Dome Lake	8.0	18.5	35.0	14.0	11.0	28.0	23.0	71.0	(*)	.....
Dubois	.....	0.4	11.5	1.5	5.5	3.8	9.6	30.5	1.0	63.8
Eatons Ranch	.....	11.0	23.0	8.0	8.0	20.0	20.2	(*)	20.0	.....
Echeta	T.	1.0	21.0	17.0	3.0	15.0	22.0	10.0	8.0	97.0
Elk Mountain	.....	4.5	42.0	34.0	62.0	65.5	37.0	52.0	22.0	359.0
Ervay	.....	6.0	8.0	14.5	6.5	15.3	15.5	19.5	(*)	.....
Evanston	.....	3.0	5.0	4.0	11.0	8.0	19.2	2.0	9.0	61.2
Fort Laramie	.....	2.1	11.0	6.4	12.8	16.2	27.8	13.5	(*)	.....
Gillette	T.	5.0	18.0	22.0	5.0	12.5	19.0	14.0	11.0	106.5
Green River	.....	(*)	(*)	(*)	0.8	3.2	17.5	(*)	(*)	.....
Hunters Station	2.0	7.0	20.0	9.0	8.0	19.0	25.0	43.0	19.0	152.0
Jireh	.....	10.0	10.0	14.0	6.0	18.0	(*)	25.0	0.5	.....
Kirtley	.....	10.0	3.0	9.0	7.0	11.0	19.0	4.0	.....	63.0
Knowles	.....	4.2	27.9	23.5	4.8	8.7	20.7	15.6	10.0	115.4
Lander	.....	3.4	9.5	11.7	5.2	29.6	15.2	5.4	16.0	96.0
Laramie	T.	0.5	3.9	5.7	7.4	7.9	5.8	15.3	8.2	54.7
Lolabama Ranch	2.5	3.0	22.5	1.5	(*)	4.0	20.0	22.0	(*)	.....
Lovell	.....	2.0	5.5	2.0	3.0	T.	7.2	(*)	(*)	.....
Newcastle	.....	15.0	15.0	9.0	2.5	8.0	20.5	8.0	(*)	.....
Pathfinder	.....	2.0	10.0	15.2	1.9	12.0	20.0	20.0	14.0	95.1
Pinedale	.....	.....	10.5	3.8	17.0	7.0	12.5	1.0	8.0	59.3
Powell	.....	0.2	3.1	0.1	0.7	0.2	0.8	T.	.....	5.1
Rawlins	.....	3.0	12.7	13.8	17.6	19.0	18.6	14.5	12.0	111.2
Saratoga	.....	5.5	9.9	5.4	5.2	14.2	10.8	11.0	1.7	63.7
Sheridan	.....	5.6	5.9	7.3	5.2	20.2	11.7	0.9	0.7	57.5
Shoshone Dam	(*)	(*)	(*)	(*)	3.0	1.5	5.0	6.0	3.2	.....
Soldiers Home	.....	4.0	10.0	9.0	5.0	16.0	29.0	(*)	(*)	.....
South Pass City	.....	1.9	24.4	15.4	18.1	17.3	29.8	11.0	6.5	124.4
Thermopolis	.....	0.5	7.0	7.2	3.5	17.0	21.0	3.0	6.0	64.7
Wyncote	.....	4.0	1.0	5.7	4.6	14.0	17.5	11.0	.....	57.8
Yellowstone Park	0.4	5.9	23.9	10.1	7.7	4.6	26.2	16.1	4.5	99.4
Grand Canyon	1.0	9.2	45.0	17.5	22.5	23.5	34.0	19.5	10.0	182.2
Lake Hotel	2.0	6.5	28.5	8.5	10.3	12.5	32.5	21.0	15.0	136.8
Fairview Dome	.....	6.0	20.0	2.0	15.5	11.5	7.0	(*)	3.0	.....
Thumb	.....	13.0	53.5	10.5	16.0	10.0	51.0	19.0	7.0	180.0
Tower Falls	.....	7.0	21.0	11.0	5.0	2.0	31.5	15.0	(*)	.....
Canadian Stations.										
St. Johns, Newfoundland	.....	T.	5.0	21.0	63.0	30.0	6.4	5.0	2.0	132.4
Sydney, Cape Breton Island	.....	T.	2.0	7.0	47.0	22.5	20.0	4.0	0.0	102.5
Halifax, Nova Scotia	.....	0.5	3.4	14.7	29.0	22.4	20.2	3.2	0.0	93.4
Grand Manan, New Brunswick	.....	.....	6.6	2.4	21.4	13.2	7.3	4.0	(*)	.....
Yarmouth, Nova Scotia	.....	.....	2.1	4.1	17.8	23.8	6.4	9.9	0.0	64.1
Charlottetown, Prince Edward Island	.....	1.8	18.3	6.7	19.0	28.7	13.7	9.2	0.0	97.4
Chatham, New Brunswick	T.	.....	18.2	14.9	27.1	23.8	15.2	15.3	0.0	114.5
Father Point, Quebec	.....	3.1	21.8	30.6	38.9	26.8	31.6	3.4	0.0	156.2
Quebec, Quebec	.....	2.2	20.2	24.4	37.6	21.9	20.5	3.1	0.0	129.9
Montreal, Quebec	T.	1.5	8.9	12.2	30.6	36.1	14.8	1.5	0.0	105.6

Monthly and seasonal snowfall, 1911-1912—Continued.

Stations.	1911				1912					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Canadian Stations—Continued.										
Stonecliffe, Ontario	.....	0.2	13.7	7.0	26.3	32.1	5.8	8.2	0.0	93.3
Ottawa, Ontario	.....	0.2	18.5	16.8	30.0	28.7	15.0	1.3	T.	110.5
Kingston, Ontario	.....	0.8	7.9	10.0	20.7	14.1	11.0	6.3	0.0	70.8
Toronto, Ontario	.....	1.2	6.7	8.3	20.8	16.5	18.6	4.2	0.1	76.4
White River, Ontario	0.3	0.5	42.0	(*)	17.0	9.0	12.0	14.0	(*)	.....
Port Stanley, Ontario	.....	T.	13.7	7.8	24.8	27.1	6.7	0.0	T.	80.1
Southampton, Ontario	.....	.....	12.8	10.5	45.4	36.6	21.4	2.6	0.0	129.3
Parry Sound, Ontario	.....	4.0	23.0	16.5	73.0	26.0	17.0	1.5	0.0	161.0
Port Arthur, Ontario	.....	T.	8.4	5.3	2.6	3.3	3.6	3.5	0.0	26.7
Winnipeg, Manitoba	.....	2.2	4.9	5.9	3.0	1.8	2.9	5.8	0.0	26.5
Minnedosa, Manitoba	.....	0.1	8.3	4.7	4.9	4.6	6.6	3.0	0.0	32.2
Qu'Appelle, Saskatchewan	3.0	1.0	5.6	5.5	3.5	1.6	6.8	7.6	0.0	34.6
Medicine Hat, Alberta	3.0	.....	21.0	5.0	7.0	1.8	3.1	(*)	(*)	.....
Swift Current, Saskatchewan	.....	0.6	6.0	8.0	3.6	4.2	1.0	0.2	6.6	30.2
Calgary, Alberta	5.0	2.0	6.0	0.8	6.0	0.8	3.4	4.7	T.	28.7
Banff, Alberta	3.2	0.2	16.4	10.4	9.4	2.0	3.2	8.4	3.1	56.3
Edmonton, Alberta	T.	.....	4.5	2.6	5.9	1.6	2.9	2.7	0.0	20.2
Prince Albert, Saskatchewan	.....	0.3	22.6	11.0	(*)	1.0	(*)	(*)	0.0	.....
Battleford, Saskatchewan	.....	.....	0.6	0.5	0.2	0.1	2.0	.....	0.5	3.9
Kamloops, British Columbia	.....	.....	16.6	11.5	11.3	2.5	.....	.....	0.0	41.9
Victoria, British Columbia	.....	.....	9.1	0.1	3.2	0.0	0.0	0.0	0.0	12.4
Barkerville, British Columbia	.....	3.7	26.5	38.0	8.6	13.4	11.0	14.5	0.0	115.7