U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

1917-1918

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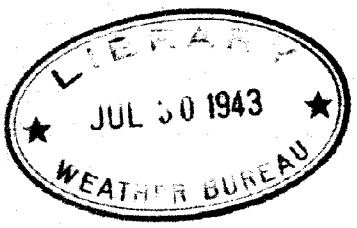

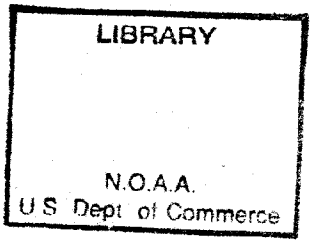

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WASHINGTON
GOVERNMENT PRINTING OFFICE
1918

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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Of the Annual Report of the Chief of the Weather Bureau, four thousand copies; one thousand copies for the Senate, two thousand copies for the House, and one thousand copies for the Bureau.

LETTER OF TRANSMITTAL.

UNITED STATES DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU,
Washington, September 28, 1918.

SIR: I have the honor to submit herewith a report of the operations of the Weather Bureau during the fiscal year ended June 30, 1918.

Respectfully,

C. F. MARVIN,
Chief of Bureau.

Hon. D. F. HOUSTON,
Secretary of Agriculture.

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PART I.

ADMINISTRATIVE REPORT

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REPORT

OF THE

CHIEF OF THE WEATHER BUREAU.

WAR CONDITIONS.

War conditions have imposed various difficulties in the conduct of the work of the bureau and have caused numerous changes in its personnel during the fiscal year just closed. The call to military service has been accorded a prompt and general response by Weather Bureau men. Many who were not within the selective draft have eagerly sought opportunity to render useful service and have been released in numerous cases to make their qualifications and training as forecasters and meteorologists of military value. A large proportion of those within the draft are now in active service, and some of these, as yet fortunately only a few, have been called to make the supreme sacrifice of life itself.

At this date 145 commissioned employees are carried on indefinite furlough on account of military service, representing a depletion of fully 25 per cent of the trained force of the bureau. A further loss of 200 occurred during the year on account of resignations, almost without exception on account of inadequate pay and the numerous opportunities in commercial and industrial life for larger salaries and better prospects of advancement.

These consequences are inherent to the fixity of statutory employment rolls and the limitations upon expenditures for salaries characteristic of the appropriations for the Weather Bureau. Many able and efficient employees have left the service because of these conditions, and the filling of vacancies has been necessarily restricted to those willing to accept employment upon the relatively unfavorable terms we must offer. It is hoped that recommendations to be made in the estimates may serve to partially improve these conditions.

While all the important features of the full daily program of Weather Bureau work have been maintained as fully as possible, curtailments have been made in a number of minor ways, and as the consequences of war conditions come to be more fully felt more important limitations of our regular service must doubtless be imposed.

SUMMER TIME LEGISLATION.

The daylight-saving law, which makes the hours of business an hour earlier between specified dates in March and October, has imposed a distinct extension of the hours of duty of Weather Bureau men, and otherwise has increased the work at stations. This outcome of the legislation resulted inevitably, because on the one hand it was most undesirable, for this year at least, to make a double break and discontinuity in the standard series of our regular meteorological observations, which for the last 30 years have uninterruptedly been made at the hours of 8 a. m. and 8 p. m., mean seventy-fifth meridian time. On the other hand, it was equally undesirable and more impracticable to issue our daily bulletins, forecasts, maps, warnings, and crop weather information an hour later in the day than the public had been accustomed to receive the same.

The only escape from one or the other of these consequences lay in preserving the continuity of the old records by continuing to make observations for the record at the same absolute hours as in the past, and making and telegraphing another observation at the same hour as usual by the clock but one hour earlier by actual mean time of the seventy-fifth meridian. This course was ordered and compelled the men to be on duty one hour later in the evening

than otherwise, simply to secure the night observation and at least for this year to round out the meteorological record, much of the value of which for all scientific work depends upon its uninterrupted continuity under identical conditions for the longest possible period of time.

The daylight-saving scheme has doubtless come to stay, and meteorological services must soon adjust their program of observations and public service in a way that will harmonize the conflicting consequences of the present wide adoption of the so-called daylight-saving plan. The suggestion to this end already considered in England and France, that the time of observation be advanced one hour throughout the year, encounters more serious difficulties in the United States than in Western Europe, because of the great range of longitude covered by the system of stations now making simultaneous observations.

WAR ACTIVITIES.

The extensions of the work and cooperation of the bureau with direct reference to military service, inaugurated a year ago and mentioned in the last annual report, have been developed, strengthened, and further extended. The bureau has contributed of its personnel and otherwise aided the Chief Signal Officer through the Science and Research Division in the formation of a meteorological unit which now comprises a considerable number of officers and men on active duty in Europe. Skilled forecasters, in cooperation with French and English meteorologists, receive nightly telegrams containing representative weather reports from the eastern districts of the United States, Canada, and the Atlantic coast. These reports supplement local observations over western Europe and the British Isles. Men of the aerological corps make further local observations with pilot balloons and other special equipment. These agencies, largely directed and operated by Weather Bureau men now in military service, supply commanders with every species of meteorological information needed for the most effective work with infantry, airplanes, poison gas, etc.

In the United States the cooperation with the Signal Corps has been intimate and continuous, comprising the special training of meteorologists, first at numerous Weather Bureau stations, and later the detailing of two Weather Bureau men for the purpose of giving full courses in meteorology to a large body of soldiers gathered for this and other purposes at a suitable camp at College Station, Tex.

The activities of the Weather Bureau in connection with the war are briefly summarized as follows:

Furnishes forecasts and warnings—

a. To army cantonments and camps and naval bases.

b. To railroads in connection with handling and transportation of food and other supplies.

Furnishes War and Navy Departments with meteorological instruments.

Supplies meteorological data to the Surgeon General's office for use in connection with studies of dietetics, camp sanitation, hygiene, and the like.

Makes aerological investigations to secure free-air data for aviation and artillery uses.

Conducts special work with kites to test searchlights at night and as an aid to artillerists in detecting moving objects in the air.

Cooperates with the Signal Corps in training balloonists and enlisted men in meteorological work.

Reports vessels entering and leaving Atlantic, Gulf, and Pacific coast ports.

Transmits naval and military business over its telegraph and cable lines.

Assisted in the organization of gas and flame regiment.

Transferred to War Department, for service in France, meteorological experts and forecasters.

More detailed mention of other important features of this work will be found in the topical presentations which follow.

FORECASTS AND WARNINGS.

FORECAST DISTRIBUTION.

The fixed policy of the bureau to purge, from time to time, its lists of those receiving maps, bulletins, forecast cards, etc., by mail has effected a considerable reduction in the number of telegrams sent and cards delivered, but without, it is thought, materially impairing the value of the service. The vital interests centered in food conservation and production and the growing appreciation by farmers and agriculturists of the value of the forecasts and warnings of the Weather Bureau have necessitated increased effort to extend the free distribution of such information by telephone, through the cooperation of the rural telephone lines, with considerable success. In one State the forecasts were made available by telephone to one-fifth as many subscribers as there were inhabitants in the State, and five-sixths of the post offices received the forecast cards by mail on the day of issue.

TRANSPORTATION OF PERISHABLES.

Because war conditions and the congestion of transportation entailed conservation in every direction, special effort was directed to the effective distribution of shippers' forecasts and the warnings of injurious weather conditions, such as cold waves, frosts, etc. Information received from several sources clearly shows the great value of these warnings and the saving they make possible.

The month of October was notable for the unusually early occurrence of frosts and freezing weather throughout the sugar and truck regions of Louisiana and Texas. It is estimated that advance warnings of these conditions issued from the district forecast center at New Orleans during that month saved from destruction nearly one-half of the sugar crop, worth millions of dollars; one-half of the white and sweet potato crops, and large quantities of the small matured vegetable crops in those regions.

Several hundred thousand dollars' worth of truck was saved in southern Florida as a result of cold-wave warnings issued in the early part of December, 1917.

Live-stock warnings for the benefit of the cattle and sheep interests were reported as of great value, particularly during the lambing and shearing seasons. One of the warnings of this kind issued in April, 1918, from the San Francisco forecast district center resulted in the protection of over 100,000 new-born lambs and in the postponement of the shearing of great numbers of sheep.

The system for the preparation and distribution of warnings of weather conditions favorable to the inception and spread of forest fires has been considerably improved and extended to include warnings of fire-hazard conditions likely to result in damage or loss in connection with crops, stock, other foodstuffs, and all kinds of inflammable war material; and a number of these warnings was issued during the year with beneficial results. A special station has been established at Hampton, Oreg., for the carrying on of investigations in connection with this service.

The exceptionally severe weather of December, 1917, and January and February, 1918, resulted in the issue of an unusually large number of storm warnings and probably a larger number of cold-wave warnings than during any other three months in the history of the bureau. A total of 540 of the former and 1,339 of the latter were issued during this period. Special attention was given to the distribution of these warnings in the interest of conservation of food and fuel.

A new application of special weather forecasts was made during the year in connection with the forecasting of weather conditions favorable to the spraying of fruit trees. This project was carried out in the fruit regions of western New York with considerable success.

TROPICAL STORMS.

Only one tropical storm severe enough to justify the display of hurricane warnings occurred during the year, namely, that of September 22–30, 1917. This moved from the central Caribbean Sea in a general west-northwest direction to a position off the mouth of the Mississippi River, whence it recurved sharply to the northeast and entered the United States near Pensacola, Fla. The center of the track crossed Jamaica and caused great destruction to the banana industry on that island, and also caused great destruction on the Isle of Pines and in western Cuba. Hurricane warnings in advance of the storm were issued to points on the central Gulf coast from New Orleans to Apalachicola and resulted in a great saving in life and property. A barometer reading of 28.51, with a wind velocity of 125 miles per hour, was recorded at Pensacola.

WEST INDIAN AND CARIBBEAN SEA STATIONS.

In the completion of the project for the improvement of the weather service in the West Indies additional stations were established at Castries, St. Lucia, and Puerto Plata; and arrangements made for the securing of reports, when threatening conditions were observed, from St. Croix, Antigua, and Grenada. In cooperation with the Cuban Meteorological Service, special stations, supplied with instrumental equipment by the Weather Bureau, were established at Guane and Santa Cruz del Sur, and arranged for at Nueva Gerona, Isle of Pines. Arrangements were also made for daily reports from the Observatory de Montserrat at Cienfuegos.

VESSEL WEATHER STATIONS AND LIGHTSHIPS.

At the close of the year 40 vessels engaged in coastwise traffic were enlisted as stations to report meteorological conditions at sea by wireless. On account of war conditions, however, very few reports were received. The stations previously established on the lightships at Nantucket Shoals, Fryingpan Shoals, Diamond Shoals, and Heald Bank were discontinued, as it was found too difficult to secure accurate observations, which, moreover, were not of great value owing to the relatively close proximity of the lightships to shore stations.

SUBSTITUTION OF BULLETINS FOR MAPS.

In the interest of conservation of material, card bulletins containing the forecasts, weather summary, and a table of data derived from the daily observations were substituted for the graphic maps with satisfactory results at about 50 stations.

STATIONS AND OBSERVATIONS.

The act making appropriations for the Department of Agriculture made provision for a newly equipped Weather Bureau station at Greenville, S. C. This was duly established and observations were begun.

New Federal buildings were occupied during the year for offices at Charlotte, N. C.; Elkins, W. Va.; Grand Junction, Colo.; and Kalispell, Mont., and the Weather Bureau stations at these points were moved to quarters provided therein from rented offices.

As it was necessary to increase the force at Tatoosh Island and North Head, Wash., to cooperate better with the Naval Coast Patrol, temporary residence buildings were provided at these stations for the use of assistant observers.

It having been found practicable to utilize a frame office building formerly occupied at the discontinued Port Crescent, Wash., station, this building was taken down, removed to Port Angeles, and reerected on a lot owned by the Weather Bureau, of which legal possession had finally been secured after several years of litigation. This enabled the bureau to move out of rented quarters previously occupied at Port Angeles and effect a considerable saving in rental.

Permanent title having been secured to the reservation occupied by the Weather Bureau station at Bismarck, N. Dak., since June 1, 1894, action was taken during the year to move the residence building thereon to face on Main Street, and effect greatly needed permanent improvement in the equipment at that station.

An acceptable bid was finally secured for the construction of a new telegraph office and observatory building at Cape Henry, Va., authorized by Congress in 1917. This building will be completed within the appropriation therefor and be ready for occupancy in September, 1918.

The status of the Independence, Cal., station was changed from that of a special meteorological to a fully equipped station, occupying rented quarters.

AEROLOGICAL INVESTIGATIONS.

During the year considerable enlargement in the aerological work of the Weather Bureau was effected, under the provisions of an item in the Army bill, which reads as follows:

> For the establishment and maintenance by the Weather Bureau of additional aerological stations for observing, measuring, and investigating atmospheric phenomena in aid of aeronautics, including salaries, travel, and other expenses in the city of Washington and elsewhere, $100,000, to be expended under the direction of the Secretary of Agriculture.

In accordance with this act, sites for aerological stations in addition to the one already established at Drexel, near Washington, Nebr., have been selected at Broken Arrow, Okla., Ellendale, N. Dak., Groesbeck, Tex., Leesburg, Ga., and Royal Center, Ind. This distribution is as favorable as possible with the limited number of stations to secure observations of free air conditions over a large portion of the country. Installation of equipment has been completed at the Ellendale station, and free air observations were begun in December, 1917. The other four stations are being equipped as rapidly as the difficulties of obtaining suitable apparatus permit. Surface meteorological observations are already being made at each of the stations.

Free air observations, by means of kites, were continued at the Drexel Aerological Station during the entire year, and have been obtained at the Ellendale Aerological Station since December 17, 1917. The data thus obtained include observations of atmospheric pressure, temperature, humidity, wind direction and velocity, cloud altitude and movement, and, at Drexel, electric potential. Daily telegraphic reports of conditions at one or more selected levels were sent to the forecast center of the Bureau at Washington, D. C., on all days when flights were made. At Drexel, in addition to the daily flights, series of observations covering a period of about 30 hours were made whenever conditions were favorable. The data thus obtained enable the bureau to follow in considerable detail the diurnal changes at different altitudes. In all, 478 observations were made from July 1, 1917, to June 30, 1918. Of these, 134 were made in 18 different series, the remaining 344 being made as daily observations. The average altitude reached in all flights was about 3,000 meters. At Ellendale 163 flights were made from December 17, 1917, to June 30, 1918, the mean altitude being about 2,400 meters.

The free air data obtained at Drexel from April to December, 1916, inclusive, were published in Supplements 7 and 8 (Aerology Nos. 3 and 4) of the Monthly Weather Review; those obtained during 1917 have been sent to the printer; those during the first half of 1918 have been reduced and will shortly be ready for publication. In addition, considerable work has been done in the preparation of a summary based on all free air data thus far obtained at Drexel.

In its purpose to render the greatest possible assistance in the vigorous and successful prosecution of the war, the bureau has cooperated with various branches of the United States Army in the following ways:

1. Papers on "Meteorology and Aeronautics," "Mean Values of Free Air Barometric and Vapor Pressures, Temperatures, and Densities over the United States," and "The Turning of Winds with Altitude" were prepared and published and copies have been furnished for the information and use of the Aviation and Artillery Services.

2. Information relative to free air conditions at certain specified times in this country and in different parts of Europe has been furnished whenever requested.

3. Instrumental equipment, including kite meteorographs, has been supplied for the use of the American Expeditionary Forces and the training camps in this country.

4. In connection with special experimental tests, temporary field stations have been established and kite flights made at Ellington Field, Tex., Potomac Park, Washington, D. C., and Aberdeen Proving Grounds, Md.

WORK IN CLIMATOLOGY.

The regular climatological work of the Bureau was carried forward during the year by the large corps of cooperative observers as usual. Many changes occurred during the year in the observing force, arising largely from the necessities attending the war. Some of the younger observers have responded to the call for military service, and others have voluntarily assumed lines of war work which have either required their absence from home or taken up their time to such an extent as to interfere with the observations. Despite the added duties arising out of the war it is gratifying to note a constant improvement in the character of the observations furnished. The promptness of the observers in forwarding their monthly reports is deserving of the highest commendation.

No material effort has been made during the year to increase the number of stations, but rather to effect a more satisfactory distribution, improve their equipment, and secure better reports.

Cordial cooperation continues between the Weather Bureau and other branches of the Government, and reporting stations, under the supervision of employees of these bureaus, have been established in regions where it would be impossible to secure other observers. This is particularly true as regards the Forest, Indian, and Reclamation Services, whose employees have given valuable reports from otherwise inaccessible regions, mostly in the high mountains of the West.

The policy of more frequent inspection of cooperative stations inaugurated recently has continued, and the beneficial results became at once apparent. This has been especially noticeable in the Alaska section, which has only lately been reorganized and put upon a basis similar to that existing in the States. Practically all the stations in the Territory were visited during the year, and reports are now being received with much more regularity and in greater number than previously.

OCEAN METEOROLOGY.

In general the work of the Marine Section has progressed along the usual lines. The war has still further reduced the number of vessel weather reports received from the north Atlantic Ocean, but the number of reports from the north Pacific continues to increase, though slowly. A considerable number of reports, largely from the north Atlantic Ocean, are being withheld by the naval and military authorities until after the war. The work of charting reports from the north Pacific Ocean, begun last year, is proceeding.

The extensive shipbuilding program on which the United States has embarked creates an increased need for more complete knowledge of weather conditions over the seas, and when peace again prevails ocean meteorology will claim far greater attention on the part of the Weather Bureau than ever before. Evidence of this is indicated by the increasing number of requests for information respecting weather conditions at sea received by the Bureau during the year.

The publication in the Weather Review of the monthly summaries of weather conditions over the north Atlantic Ocean, together with charts showing the averages of pressure and temperature, the prevailing direction of the winds, and the paths of the more important storms, has continued.

DATA AND INFORMATION SUPPLIED.

Many extra demands for data, resulting from the war, have come from the several Government departments, particularly from the Aviation and Medical sections of the War Department, which have required extensive computations of climatic data for consideration in determining the location of flying fields, sites for hospitals, etc.

TELEGRAPH SERVICE.

Notwithstanding the serious strain imposed upon the telegraph and telephone systems by war conditions, transmission of Weather Bureau circuit reports, forecasts, and miscellaneous telegrams has been accomplished, as a rule, without detriment to the public service. Approxi-

mately 170 station reports, including their reciprocal distribution over 21 circuits, represent the transmission of 4,500 reports twice daily, totaling over 3,000,000 code words annually. The operation of this system in conjunction with the dispatch of a limited number of special messages daily places in the hands of the public in every section of the country full knowledge of the weather conditions over practically the entire United States and adjoining territory at comparatively small cost.

By arrangement with the Western Union Telegraph Co. the preparation of the monthly bills of that company has been materially expedited by the use of telegraph division forms for that purpose. Examination of all telegraph and telephone accounts presented by about 70 different companies, involving an expense of approximately $250,000 per annum, is made by the employees of this division. Settlement has followed closely upon their presentation.

The division pamphlet, Instructions to Operators on the Weather Bureau Telegraph and Telephone Lines, has been completely revised during the year, the last previous revision having been made in the year 1906.

WEATHER BUREAU TELEGRAPH AND TELEPHONE LINES.

Detailed statements and descriptions of the several telephone and telegraph lines maintained by this bureau were submitted in the report for last year and need not be repeated here, as no changes of material consequence claim attention.

RIVER AND FLOOD SERVICE.

The flood-warning service has been maintained without appreciable change, although for obvious reasons retrenchments have been made whenever practicable. Fortunately no serious floods occurred in any part of the country, yet one of the most serious ice gorges of which there is a record formed in the early part of the winter in the Ohio River below Cincinnati and held continuously for 58 days. This gorge so reduced the cross section of the stream that when the ice in the upper tributaries broke up and the flood waters came down a lake or pool formed, extending about 100 miles upstream. At one time the surface of this pool was higher than the river below the gorge by about 25 feet, thus creating a situation of the utmost gravity along the lower river. When the gorge finally broke, river craft moored for the winter in sheltered places suffered great losses, aggregating approximately $3,000,000. Coming at a time when replacement is extremely difficult, such a loss must seriously retard the growth of river transportation for several years.

INSPECTIONS.

The absence of serious floods gave the field officials of the bureau a much needed opportunity of inspecting gaging stations and of making the necessary repairs to the equipment. During the year 93 stations were inspected and repairs were made or were in progress at the close of the year.

SNOW MEASUREMENTS.

Measurements of snow depth at high level stations in the West were made at 147 stations, being a decrease of 18 as compared with the previous year. Intensive snow surveys were necessarily abandoned except on the high levels of the watershed that supplies the Roosevelt Reservoir of Arizona.

PRECIPITATION IN MOUNTAINS OF LOS ANGELES AND SAN BERNARDINO COUNTIES OF CALIFORNIA.

The project of determining the amount of precipitation in the mountains of Los Angeles and San Bernardino Counties, Cal., has been carried on at 51 stations, an increase of 32 during the year, in cooperation with the United States Forest Service of the department, the United States Geological Survey, and the counties above named, and without cost to the bureau except for apparatus.

The Wagon Wheel Gap Experiment Station has also been continued. This station is maintained in cooperation with the Forest Service of the department as in former years. Since the first phase of the experiment is drawing to a close, arrangements have been made looking to a discussion of the meteorological data that have been accumulated in the last seven years.

PRINTING AND PUBLICATIONS.

The utmost economy was practiced throughout the year in the issue of publications and in the purchase of the necessary supplies of paper, ink, and other printing materials. Nevertheless, the usual series of periodical and nonperiodical publications have been adjusted to war conditions and issued much as usual, including some new publications which have more or less definite relations to war work.

A careful revision of mailing lists justified dropping the names of a number of recipients of periodical publications whose interest in the same ceased to be active for one reason or another.

Large and frequent demands were made for such Weather Bureau pamphlets, reprints, etc., as are of value in military instruction and practice, especially in aviation, and these were promptly and liberally filled to the extent of our resources. The requests were made not only officially by bureau chiefs, commanding officers, and instructors, but also in large numbers by individual officers and enlisted men stationed at the various camps throughout the country.

Since the beginning of the war the distribution of publications to foreign addresses by mail and international exchange has gradually been reduced to a comparatively small number of copies. At present the service is discontinued to all the central powers and their allies and to countries wholly or in part occupied by them. A limited reserve of the more important publications is maintained in our stock for supplying authorized foreign demands after the cessation of the war.

All the material for the Monthly Weather Review was prepared and submitted on schedule time, and the data for the Annual Report of the Chief of Bureau, 1916–17, were collected, compiled, and the volume issued at the time prescribed by law. Considerable data regarding the occurrence of tornadoes and hail storms were collected, and the text, indicating some of the details of these storms, together with appropriate charts showing their distribution throughout the country, form valuable additions to the report.

The monthly and annual summaries of the State climatological services were prepared along the usual lines, and with a few exceptions were issued on schedule time. The printing of a climatic summary for Alaska, similar to those for the States, began with January, 1917, and most of the issues for that year have been printed. It is probable this work will soon be brought up to date.

No material changes were made in the snow and ice bulletins issued last winter at the central office, or for the mountain States of the West, except that a few additional reports have been provided for in some of the higher mountains where observers have not heretofore been available.

A short report on the climate of France and Belgium was prepared during the year, and by publication in the Weather Review and the monthly summaries of the State climatological services received an unusually wide distribution.

The preparation of data for the atlas of American agriculture was carried forward to near completion. The text sections on temperature and miscellaneous data were completed, as well as the major part of the necessary drafting work, and some of the folios have been printed and will soon be available for distribution.

In response to the needs of aviators and other students of the atmosphere, an effort has been made to bring together as much as practicable of the important knowledge of the physics of the air. The publication of this, without cost to the Government, was begun as a serial in the Journal of the Franklin Institute, August, 1917, and continued through the year.

In cooperation with the Smithsonian Institution, the Smithsonian meteorological tables have been extensively revised by officials of the Weather Bureau and republished by the Smithsonian Institution.

Considerable progress has been made on a paper discussing the more important weather features attending the severe cold of last winter. It was expected that this would be completed before the end of the fiscal year, but it has been delayed by press of routine work and failure so far to receive reports from some far northern districts.

LIBRARY.

During the year, 827 books and pamphlets were added to the library, the same number as last year. The total strength of the collection is now about 37,100. The library has been utilized extensively by men undergoing training for the meteorological work of the Army and the Navy and has lent a considerable number of books for use at the front. A brief bibliography was prepared on the subject of military meteorology.

The number of promotion examination papers rated during the year was 32, of which 28, or 87 per cent, received passing grades. The promotion examinations, which, with some variations in form and scope, have been in operation since 1899, were discontinued May 4, 1918. This course does not imply any lowering of the standards of qualifications for entrance or eligibility for advancement, but rather the reverse, because a new entrance grade has been established, examinations for which are held as frequently as necessary by the Civil Service Commission.

SEISMOLOGICAL INVESTIGATIONS.

The systematic work of collecting and publishing earthquake data, begun December 1, 1914, was continued during the year. These data are of two kinds—noninstrumental reports of earthquakes felt and instrumental records, often of quakes wholly imperceptible to the senses. The noninstrumental reports are rendered by all the regular stations of the bureau, nearly 200 in number, and also by nearly all the bureau's 4,500 cooperative observers. The instrumental records published by the bureau have been obtained in part by instruments owned and operated by the bureau itself, one at Washington, D. C., the other at Northfield, Vt. The remainder are furnished through cooperation with various agencies at 18 additional stations distributed from Panama to Alaska and from the Hawaiian Islands to Porto Rico.

During the calendar year 1917, 112 earthquakes were felt within the borders of the United States proper. The great majority of these produced no damage whatever, and none any material damage.

SOLAR RADIATION INVESTIGATIONS.

Continuous records of the total amount of radiation received on a horizontal surface from the sun and sky were obtained throughout the year at Washington, D. C., Madison, Wis., and Lincoln, Nebr. Measurements of the intensity of direct solar radiation have been made at the above stations, and also at Santa Fe, N. Mex., whenever atmospheric conditions have been suitable, and at Washington and Madison the percentage of polarization of sky light has been measured. A monthly summary of the results has been published in the Monthly Weather Review.

Experience has shown the superiority of the silver-block type of Marvin pyrheliometer over the spiral-ribbon type. Two new instruments of the former type have therefore been constructed and standardized during the year to replace instruments of the spiral-ribbon type in use at Lincoln and Madison. A similar change in the instrumental equipment has also been made at Santa Fe, so that all four pyrheliometric stations are now equipped with the new and improved form of Marvin pyrheliometer.

Persistent requests have been received from various sources for the cooperation of the Weather Bureau in a project having for its object the determination of sky brightness, or the intensity of natural lighting, in various sections of the United States, at different seasons of the year and hours of the day, and under various atmospheric conditions. Some preliminary work has been done along this line.

A program for meteorological observations was planned for about 55 Weather Bureau stations in or near the path of total obscuration of the sun during the eclipse of June 8, 1918. In addition, a special station for measuring both incoming and outgoing radiation during the eclipse was established at Goldendale, Wash., at the center of the path of totality. The complete program was carried out as planned, although weather conditions at some points were unfavorable.

The Office of Solar Radiation Investigations at Camp American University has cooperated with the experiment station of the Bureau of Mines (now the Chemical Warfare Service, National Army) in determining the prevailing meteorological conditions during experiments in the open air.

AGRICULTURAL METEOROLOGY.

With the growth and extension of the service rendered by the Weather Bureau and represented by its great weather and crop service, the establishment of the Division of Agricultural Meteorology to handle all such work under capable direction was the natural outcome. This organization became effective February 21, 1916, and has been described in previous reports. Its activities have been continued, improved, extended, and given specially direct application as far as possible to all agricultural activities of the Nation now so directly concerned in food production and conservation.

In addition to its function of supervising and directing the weather and crop service, this division is also responsible for conducting studies of many different kinds. Without attempting to describe the various special investigations comprised within the operations of this division, the following brief outline will indicate the extent and character of its activities:

CORN AND WHEAT REGION SERVICE.

Covers 16 principal grain States, with the region center at Chicago, Ill., and 188 special reporting stations.

COTTON REGION SERVICE.

Covers 11 principal cotton States, with the region center at New Orleans, La., and 165 special reporting stations.

SUGAR AND RICE REGION SERVICE.

Covers the rice and sugar-cane growing sections of the South, with six special-reporting stations.

CATTLE-REGION SERVICE.

Covers all or parts of 8 grazing States, with 67 special-reporting stations. This service was changed in the spring of 1918 from a daily service during the summer months to a weekly service throughout the year. This change is proving to be of decided advantage.

SPECIAL FORECAST AND WARNING SERVICES.

Special stations are maintained in the principal tobacco, potato, alfalfa seed, cranberry, citrus, and deciduous fruit-growing regions, to aid in special forecasts and minimum temperature warnings, and have proven to be of marked value in this connection.

COOPERATION.

The Weather Bureau is cooperating with other bureaus and departments in maintaining special stations for the benefit of science and agriculture. Such stations are maintained in 14 different States.

PROTECTION OF ORCHARD AND TRUCK CROPS FROM FROST.

Considerable time has been devoted to the making of temperature and air-drainage surveys in citrus and deciduous orchards in the West, and in studying orchard-heating problems. Officials of the bureau have been placed in the principal districts where orchard heating is extensively practiced to aid in making and distributing minimum temperature forecasts.

FROST STUDIES IN NORTH CAROLINA.

For several years the bureau has been conducting frost and temperature studies in North Carolina. During the year the final report of the discussion of nearly five years' accumulated data was submitted and is undergoing careful examination and consideration with the view to ultimate publication.

THE EFFECT OF THE WEATHER UPON CROPS.

The Division of Agricultural Meteorology has continued its study of the relation between weather and climate, and crops. Data have been collected and tabulated and results obtained which are proving of marked advantage to agriculture.

THE NATIONAL WEATHER AND CROP BULLETIN.

The preparation and issue of this bulletin continue to take the greater part of the time of the force of this division during the crop season. It is published weekly from April to September, inclusive, and monthly during the winter season. A new feature during the past season has been the inclusion of data regarding the planting and harvesting of the principal crops, at the request of the Office of Farm Management, as an aid in determining the labor requirements. The results of the correlation of weather and crops have been published in this bulletin from time to time.

PACIFIC COAST WEATHER AND CROP SERVICE.

A special weather and crop service covering the States of Arizona, Utah, Nevada, Idaho, Washington, Oregon, and California was inaugurated at the beginning of the 1918 crop-growing season, with San Francisco as the district center. A bulletin somewhat similar to the National Weather and Crop Bulletin was issued at the district center each Wednesday from April to September, inclusive, and will be continued monthly during the winter season.

INSTRUMENTATION, TESTS, AND REPAIRS.

The closing of European markets for scientific apparatus, accompanied by the great congestion of manufacturing work in this country, has presented serious difficulties to the Weather Bureau in procuring the necessary high-grade instruments for its work and has imposed upon what was formerly known as the instrument division of the bureau many additional duties, since it became necessary in certain respects at least to undertake to construct here instruments which could not possibly be procured elsewhere. In fact, we have with limited facilities endeavored to extend aid to the Army and Navy in constructing meteorological instruments to meet special needs. Under these conditions it became necessary to reorganize this part of the work of the bureau and to divide the original instrument division into two parts, one devoted to general administrative affairs connected with the receipt and issue of instruments and their exposure at stations, the other to be concerned with the testing of new instruments, the construction and repair of instruments, and their careful adjustment to meet station requirements. Even at best the difficulty of maintaining necessary supplies to meet all needs has been serious, and more or less delay has necessarily marked the progress of this part of our work. As time goes on and as American manufacturing interests become more able to meet requirements which in many cases formerly were supplied from European sources, a general improvement must result.

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PART II.

GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1917, WITH CHARTS.

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1917.

SUNSHINE, 1917.

DETAILS OF EXCESSIVE PRECIPITATION, 1917.

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REVIEW OF WEATHER CONDITIONS DURING THE YEAR 1917.

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

The most notable feature of the weather conditions during 1917 was the low temperature in the central and eastern parts of the country from April to December. Certain districts were warmer than normal during one or more months of this time, especially the Missouri Valley during November; but temperatures below normal were the rule, particularly during May, October, and December. In several Ohio Valley States each of these three months set a new low record and the months intervening were all cooler than normal. In the far West a different situation prevailed, for there the first six months of 1917 were all cool and the last six all warm.

Among other features may be mentioned the absence of severe tropical hurricanes and the shortage of precipitation in the States bordering Mexico, Texas having less precipitation than normal during every month of the twelve, New Mexico during ten of them, and California during nine.

Despite dryness in the Southwest and Northwest and some harm from low temperatures in a few Northeastern States, crop conditions were quite favorable, and in the central valleys especially so. The winter-wheat crop yielded poorly, having suffered from detrimental conditions during the fall and winter of 1916–17, but most of the other important crops attained new records of total yield.

JANUARY.

The first 10 days of January were warm except in the Pacific and Plateau regions, and in southeastern districts practically all the month was warm. From the 11th to 22d, however, cold weather prevailed save in Florida and districts adjoining, this period being exceedingly cold in portions of the Rocky Mountain and Plateau regions. In California the month was the coldest for at least 20 years, injurious frosts occurred frequently, and there was no notable break in the persistent cold. Nearly everywhere from the Rocky Mountains westward the temperature of January averaged below normal, also in most of the northern border States to the eastward. In the central part of the Plateau region the monthly temperatures averaged from 10° to more than 15° below the normal. Over the central and southern districts east of the Rocky Mountains the monthly averages of temperature were above the normal.

Early in the month a storm moved from Oklahoma northeastward, accompanied by general rain or snow, with thunderstorms in the central valleys. Near the middle of the month heavy rains fell in Mississippi and Alabama and widespread precipitation and high winds occurred in the Lake region and to eastward. Another notable storm occurred about the 20th to 22d, moving from the far Southwest to the region of the Great Lakes and thence eastward, accompanied by widespread rain and snow, the snowfall being unusually heavy in South Dakota, Minnesota, and northern Iowa. For January as a whole the precipitation was less than normal in much the larger part of the country. The chief exceptions were an area from the central Gulf States eastward over most of Georgia and South Carolina, and northward to beyond the Ohio River, where heavy rains occurred, and the greater portions of Arizona and western New Mexico. The precipitation was remarkably light for the season in most of Florida, Michigan, California, and Nevada. The snowfall was rather heavy in parts of the Rocky Mountains and from the upper Mississippi Valley eastward to northern New England, but was decidedly light in most other eastern sections and in California and portions of adjacent States.

Winter grain fields were mostly well covered with snow in the northern half of the country, save from the Ohio Valley eastward, where there was a lack of snow cover. Vegetables and citrus fruits suffered in California from the frequent frosts and in Florida from the dryness, while the intense cold during the middle of the month caused some loss of live stock in Wyoming and other States.

FEBRUARY.

A remarkably severe cold wave had covered the northern plains before the close of January, and spread rapidly eastward and southward till by February 2 or 3 it was very cold everywhere east of the Rocky Mountains. The cold was notably severe in Florida, especially far southern Florida, Miami recording the lowest temperature yet observed at that point, 27°. In some States about the 4th considerable warming occurred, but a second cold wave soon overcame this warming. A gradual turn to less severe conditions followed, but the first half of February averaged colder than normal practically throughout the central and eastern States, though fairly warm on the Pacific coast. The last half had some cold waves, more local and less severe; but on the whole it had temperatures above normal, except in northwestern districts. The month as a whole was colder than normal over most of the country, especially from the upper Lakes to Montana; but was warmer than normal from the central Rocky Mountains to the Rio Grande, the Gulf coast, and part of the South Atlantic States.

Outside of many moderate or light falls of rain or snow, often over considerable areas, there were noteworthy heavy rains about the middle of the month in portions of the east Gulf States, with somewhat less amounts to the northeastward; also during much of the last half there were moderate to occasionally heavy rains or snows over a large part of California and several counties in the States adjoining. For February as a whole the precipitation was far less than normal over most of the country, especially in the Lakes region, Pennsylvania, the States north of the Ohio River, the upper Mississippi Valley, and most of the Missouri Valley and the central and southern Plains. The totals were, however, large or at least moderate in much of California, and in Louisiana, Mississippi, Alabama, and the southern Appalachian section, and to a less extent nearly everywhere south of the Ohio and Potomac Rivers, save in Florida.

The severe cold did much damage to truck in the Southeast, and some harm to the citrus fruit trees; also farther north there was marked injury to peach buds. Winter wheat was hurt from the Ohio Valley eastward because of absence of snow cover, and was generally in need of moisture in Kansas, Oklahoma, and adjoining States. On the whole conditions were favorable for seasonable work, especially toward the end of the month.

MARCH.

Cold weather predominated during the first part of March, a marked cold wave sweeping over the central and eastern portions of the country. The middle of the month was mainly cold in western and northern districts, but in the cotton States was mild till about the 17th. The final third of the month was mild except in the far West. The month averaged close to or warmer than normal almost everywhere east of the Rocky Mountain States, but in those States and to westward the month was decidedly cold, the central and northern Plateau having the coldest March on record, averaging about 7° or 8° below normal temperature.

Over most of the middle and eastern Cotton Belt there were heavy or liberal rains during the first week and again during the final decade. In southern Florida good rains fell about the 5th to 8th, breaking a prolonged and severe drought, and about the same time there were ample rains in most Pacific coast districts. During the second decade there was frequent precipitation in most northern districts, with heavy snows over considerable areas. For the month, as a whole, the rainfall was generally scanty in southwestern districts from Texas and Oklahoma to southern California, some localities receiving none. Over much of the Plateau, Rocky Mountain, and Great Plains regions the totals were less than normal, notably in North Dakota, eastern Montana, and the central and western portions of Kansas. South of the Ohio River and

east of the lower Mississippi the total precipitation was decidedly large, except in most of Florida and near the Gulf and South Atlantic coasts, a considerable area in the southern Appalachian districts receiving more than 10 inches. In the States next west of the Mississippi River and in the Lakes region and the Northeastern States there was generally about the normal fall, though there was a marked excess in the vicinity of Lake Superior, due to heavy snowfall, and in most of New Jersey and southern New England.

The month was unfavorable for farm work in most southeastern districts, owing to the heavy rains, while in Texas and Oklahoma germination was delayed by lack of rainfall. Most spring work was delayed on the Pacific coast. The shortage of feed and the long-continued heavy snow cover caused heavy losses of live stock in the northern Rocky Mountain and Great Plains States, and there were considerable losses of stock in other Western States.

APRIL.

Cool weather was the rule during April, but temperatures were decidedly changeable, especially in central and northeastern districts. The early portion of the month was warm in most of the Western States, and the last two weeks were warm in the greater part of the Cotton Belt; also about the 20th there was a notable warm spell in the central valleys and thence eastward to the North Atlantic coast. The month as a whole had temperatures below the normal, except south of Pennsylvania and the Ohio River, and locally in Texas and California. In the upper Mississippi Valley, the northern and central portions of the Great Plains, and most of the Rocky Mountain and Plateau States the average deficiency was from 3° to 6° or slightly more a day.

In quantity and distribution of precipitation the month was favorable, at least in contrast with months recently preceding. Much fell during the first 10 days in the Pacific States from central California northward, also in the Ohio Valley and Missouri and thence southward to the Gulf. During the last 10 days of the month there was heavy rain in the central valleys and in north-central Texas. The total fall of the month was heavy in the vicinity of the lower Red River in Texas, also in Oklahoma, Louisiana, and southeastern Missouri, and generally in the central valleys. Rather large amounts occurred in Washington, Oregon, the northern portions of California and Arizona, the eastern portions of Kansas and Nebraska, and the northern portions of the central and eastern Gulf States. The precipitation was scanty near Lake Superior, in the southern parts of New England and New York and much of Pennsylvania, and in the great majority of counties of Florida, Texas, and New Mexico, much of southeastern New Mexico having no precipitation at all. The snowfall was mostly heavier than usual in April in the northern States from North Dakota to the Pacific and in the Plateau Region.

Owing to wet soil and cold weather farm work and vegetation as a whole were decidedly backward, though in the Atlantic States and the central cotton States they were not greatly so. The month was rather favorable for small grains, and in most States grass fields and ranges made much improvement.

MAY.

Cool weather prevailed during most of May, and the first week was decidedly cool over almost the whole country, especially the chief corn States, where the deficiency averaged from 12° to 16° per day. The second week of the month was fairly warm in northwestern districts and likewise the third week nearly everywhere east of the Rockies, save in New England, New York, and the Gulf States. The whole month averaged cooler than normal in every State, and indeed at every principal station save Kalispell, Mont. In northeastern districts and in a broad belt running through the interior from Nevada to the southern Appalachians the deficiency averaged over 6°.

The rainfall of May was mainly ample and well distributed, except that in Louisiana, southern Mississippi, and parts of the other Gulf States there was a marked deficiency, and little fell near the Mexican border, although the normal amounts for May in that locality are very small. There was a deficiency also from Lake Superior westward along the northern border to

Puget Sound, particularly in North Dakota and northern Minnesota. Precipitation was rather heavy from southern Wyoming to north-central Iowa and southern Minnesota, also in eastern Kansas and most of Missouri, and in the central part of the Ohio Valley. During the first week there were important rains in many southeastern districts; during the third week in much of South Dakota and Nebraska and in an area extending from western Texas northeastward over most of the Lakes region; while during the final 10 days precipitation was abundant over an unusually large area reaching from the northern Plateau region eastward over the chief corn area to the Northeastern States. Severe local storms were frequent during this period. In most of the Rocky Mountain region the snowfall of the month was greater than the May average.

In many sections the month was too cold for good germination and growth of corn, and the planting of that and other crops was somewhat delayed. The cold was unfavorable for cotton also, so the crop was late and its condition unsatisfactory. For small grains, meadows, and pastures, however, the weather was generally advantageous.

JUNE.

The first half of June was mainly warm in the Gulf and South Atlantic States and to some extent in the Middle Atlantic. But on the whole the unseasonably cool weather that had dominated so widely since late April continued till two-thirds of June had gone. In California heat set in about the 13th, and soon extended over the region west of the Rocky Mountain Divide, then, about the 20th extended to the Middle and Southern States farther eastward; but in the northern part of the country the last third of the month was mainly cool. The month averaged warmer than normal in most of the Southern States from the Atlantic to the Pacific, notably in parts of Texas and California; but it was cooler than normal almost everywhere else, especially in the western Lakes region.

During the first two-thirds of June there was rain in a few areas west of the Rocky Mountains, mainly in the northern districts; but east of the mountains there was ample rain nearly everywhere save in part of the spring-wheat region and much of Kansas, Oklahoma, the Gulf States, and Georgia. The rain of the last third was irregularly distributed, although in most sections east of the Mississippi River the falls were ample for crop needs, and in a few places heavy, especially in parts of the Lakes region and upper Mississippi Valley. For the whole of June precipitation was moderate to heavy in the lower Missouri and portions of the Mississippi Valleys, in most of Arkansas, and in portions of the Atlantic Coast States, notably Florida, the Carolinas, Pennsylvania, and Maine. Elsewhere east of the Rocky Mountains the amounts were moderate, except that they were small in much of the Gulf and portions of the Great Plains regions. West of the Rockies the totals were mostly less than half an inch, but in a few districts, chiefly in Washington, rather large amounts were received. No rain occurred in most of California or in large parts of Arizona and Nevada.

The weather of the month was generally, though not decidedly, favorable for crop development. In the South and Southwest the lack of moisture was detrimental to best growth, and cool weather in the North retarded many crops. Cotton and corn were backward, in spite of good progress the latter part of the month.

JULY.

During the first decade of July, temperature was usually below the seasonal average east of the Mississippi River and above to the westward. Afterwards somewhat warmer weather set in over eastern districts, except the Lakes region, where cool weather persisted until about the end of the second decade. Near the end of the month the hot weather that had continued for several weeks in the far West came to an end, but about the same time marked heat set in over the Eastern States, with readings of 100° or higher at many points. The monthly temperature averaged close to normal, but mainly cooler than normal in the Ohio Valley and districts adjacent, and warmer elsewhere, some States in the Plains and Rocky Mountain regions averaging 3° to 5° above normal.

During the first two decades rainfall was abundant in nearly all sections east of the Plains, and in some portions, particularly in the Atlantic States, was detrimental through interference with farming operations. Late in the month the rain was less widespread, though many districts from Arizona to the South Atlantic coast had liberal amounts. For the month, as a whole, the rainfall was much above normal in coast districts from Connecticut to northern Florida; also in much of Alabama, Tennessee, and eastern Minnesota; and was about normal in most other districts east of the Great Plains and generally in Arizona. It was below normal in much of Michigan, Iowa, and Missouri, and notably so from the Great Plains westward. The larger part of California and most of the Snake River Valley had no rain.

In the cotton States the month was generally favorable for crop growth, and in most other districts east of the Plains States, although the corn crop continued late, the weather was mainly favorable. The dryness and heat in much of the Plains region seriously hurt corn and other crops, and in the spring-wheat region caused injury to that staple. In the western half of the country ranges averaged in poorer condition than usual in July.

AUGUST.

During August temperature conditions were, with few exceptions, not remarkable for the season. The heat prevailing in the East when July ended lasted but a few days into August. The second week was quite cool in the Missouri Valley, but the third week was warm from Minnesota to the Cascade Mountains, in most of which area much lower temperatures followed toward the close of the month, with frost or freezing temperature over some portions. The month averaged cooler than normal on the immediate Pacific coast; also nearly everywhere between the Rocky and Appalachian Mountains; but in Texas, parts of New Mexico, and Louisiana, over the majority of the Atlantic States, and in most of the Plateau region it was warmer than normal.

During the first three weeks there were important rains in most of a large area reaching from Oklahoma to South Dakota and thence eastward to the upper Lakes; likewise in the cotton region, save Texas, most of which had no rain of consequence; and in some other portions of the East there were moderate rains. In the last portion of the month the rain was much scattered and of less moment. For the month, as a whole, the precipitation was rather heavy, from 5 to 8 inches or more, in much of the Southeast, and in considerable parts of New England, Pennsylvania, Louisiana, Oklahoma, and Kansas; and it was large for the season, though less heavy, in much of New Mexico and Missouri, and in many scattered districts east of the Mississippi River. The month was comparatively dry in a great part of the Ohio Valley, and generally in Texas, the Dakotas, and southern Michigan; while in the Rocky Mountain States and to westward the totals were nearly everywhere small.

The weather during the month was favorable for outdoor work over the greater portion of the country. Corn developed satisfactorily, except where cool weather held it back; and cotton in some sections made good progress, but in others suffered for lack of rain. The conditions were mainly favorable for potatoes. Preparations for fall seeding of wheat and rye made mostly good progress.

SEPTEMBER.

From the middle and upper Missouri Valley eastward to the North Atlantic coast cool weather prevailed during the first half of the month, with two or three frosty periods. In the cotton States the weather was mostly cool after the first decade. In the far West the month was mainly warm, especially the last half in California, while the period from the 15th to 25th was rather warm in the spring-wheat region. The month averaged cool east of the Plains and in North Dakota and eastern Montana, but elsewhere warm.

Moderate to locally heavy rains reached numerous districts in the central and eastern portions, and near the close of the month the Southeastern States had moderate to torrential rains when a tropical storm moved from the Gulf into western Florida and thence a short way northeastward before losing most of its energy. The total fall of the month was unevenly dis-

tributed, but in most States was small, being especially scanty in northern New England, most of Arkansas, southern and western Texas, and in almost all central and southern districts west of the Plains. On the other hand, large amounts fell in western Washington, parts of Montana and Nebraska, much of the upper Mississippi Valley and western Lakes region, and especially in the Southeast; in southern Florida and eastern North Carolina over 10 inches fell.

On the whole the weather of September favored farm work, but the frosts of the first half in the Northeastern States were more severe and damaging than often occur so early.

OCTOBER.

Cold weather prevailed practically throughout October to eastward of the Rocky Mountains, though there were brief mild periods at the opening and about the middle, especially in the southern Plains. Cold spells swept over the central and eastern districts about the 8th and at the end of October, carrying freezing temperatures farther southward than usual at those dates, in fact nearly to the Gulf coast at the end of the month. In the far West the month was warm almost throughout, and in California and Nevada many portions averaged more than 5° above normal. In the upper Mississippi Valley the average temperature was about 8° to 10° colder than normal.

Precipitation of importance was practically confined to the States east of the Mississippi River and north of the cotton region. Here there were usually moderate amounts, but rather heavy in much of the Middle Atlantic States and southern Lakes region; the heavier falls were chiefly during the last two weeks. Much of southern Florida had considerable precipitation, and Montana and Wyoming had more than half their normal amounts; but in California, the western Plateau region, and southwestern Texas few stations had any rain whatever.

In many central and southern districts freezing weather stopped maturing of late crops or damaged winter truck, and west of the Mississippi River dryness prevented much seeding of winter grains or germination of those seeded. In the Northeast cloudy, rainy weather interfered with drying of corn in the shock and was unfavorable for outdoor work.

NOVEMBER.

In the East the cold weather prevailing when October closed lasted about five days into November. Otherwise the first 18 days formed a period of settled, warm, dry weather over almost all northern and middle districts, and about normal temperature in the South. The latter part of the month was cold in northeastern sections, but continued warm from the Lakes and central valleys to the northern and middle Pacific coast. The month averaged cooler than normal in the East, but from Lake Michigan and the middle Mississippi Valley westward it was decidedly warm, the Dakotas and much of adjoining States averaging 7° to 14° warmer than normal, and milder than October had been.

It was decidedly dry over most of the country, and in eastern and north-central portions the first half was mainly without precipitation of consequence. The monthly totals were moderately large in middle and northern Pacific coast districts and in the Ozark region, and in several other areas over an inch fell; but there was very little in the Missouri and upper Mississippi Valleys, many Atlantic coast districts, and most of western Texas, while Arizona had practically none.

The dryness in nearly all the winter wheat region was unfavorable for that crop, but for drying corn the weather was decidedly good, and for outdoor occupations conditions were generally favorable. Pastures and ranges, however, deteriorated, particularly in the Southwest, where stock was in poor condition.

DECEMBER.

During the first week of December temperatures were not very far from normal, but inclined to be above in the far West and below in north-central and northeastern districts. Following a marked cold wave about the 8th, presistent and severe cold prevailed almost

everywhere east of the Rocky Mountains, the period from the 8th to 17th being about 20° colder than normal in the Missouri and upper Mississippi Valleys, while the final week was about 15° colder than normal in northern districts from central Montana to the North Atlantic coast. The week intervening, from 18th to 24th, was mild in the central valley region, but cold in the Southeast. In New England and eastern New York the last two days of December brought the lowest temperatures since the establishment of the principal stations, almost 50 years ago; and in Ohio a study of the records made for 64 years indicates this to be the coldest December of all. Meanwhile in the far West almost unvarying mildness prevailed, though the latter part of the month was usually the warmest. West of the Rocky Mountain Divide and as far east as the western edge of Texas the month averaged warm, and in much of the middle and northern Plateau region it averaged 8° to 12° warmer than normal; otherwise the month averaged colder than normal, with daily departures of about 12° in part of the Ohio Valley and near the Canadian border both east and west of the Lakes region.

About the 8th a vigorous storm caused heavy snowfall over much of the Ohio River drainage, and about a week later heavy snow from another storm fell in Pennsylvania and to northward and eastward. Again during the final week of the month there was precipitation of importance in many eastern districts. In the far Northwest precipitation was fairly distributed through the month, but especially heavy about the middle and during the final week. The monthly totals were scanty over much the greater part of the country, and scarcely any district within about 300 miles of the Mexican border had any rain whatever. From central Oregon northward the region west of the Cascades had heavy precipitation, and northern Idaho and northwestern Montana had rather large amounts; there was unusually little snowfall in these sections. Elsewhere amounts as great as 3 inches were hardly found save locally from Pennsylvania to Maine and near the southern shore of Lake Superior. The deficiency in Georgia and States adjoining, in the central valleys, and in much of the Plains region was marked; yet nearly everywhere east of the Rocky Mountains the snowfall was greater than usual in December, and did much to protect winter grains from cold.

Outdoor work and transportation were greatly hampered in northeastern sections, while in the South winter oats and vegetables were damaged by cold. In the Southwest ranges were in wretched condition, but in the far Northwest conditions were remarkably favorable for pasturing stock.

TORNADOES, 1917.

The following details of tornadoes occurring during the year 1917 have been supplied by the officials in charge of the climatological services of the several States. While a well-developed tornado may be very destructive, the path where damage is serious is usually narrow and is seldom of great length. Therefore a number of tornadoes may occur within a State and result in a heavy loss of life and vast injury to property, but the total area covered is always very small in comparison with the area of the State. For example, no less than 29 distinct tornadoes seem to have occurred in the State of Missouri during May and June, 1917, resulting in 83 deaths and in damage to property to the extent of more than a million and a half dollars; but the area of serious damage is carefully estimated by the official of the climatological service to be but about 140 square miles, while the area of the entire State is about 69,000 square miles.

There have been entered on Chart No. 5 the geographic locations of tornadoes occurring during the year 1917, as summarized below. The arrows indicate the direction of storm motion, when known, but in some cases the information is unreliable, and in a few cases no information at all about direction is available, and in such cases the most probable directions have been given. In a number of instances a group of tornadoes have occurred at almost or quite the same time, moving in the same direction, and not more than a very few miles apart at most; and because of the scale of the chart it has been necessary to use but a single arrow for the whole group. The occurrence of tornadoes from year to year is very spasmodic, from the viewpoints of both frequency and location; consequently the distribution indicated on the

chart for a single year should not be construed as representing the normal or usual condition for any portion of the country. Tornadoes occur with more or less frequency in most districts between the Appalachian and Rocky Mountains, the localities of greatest frequency being found in the central portions of this area. East of the Appalachians and west of the Rockies tornadoes are of infrequent occurrence and in some places unknown.

Alabama.—During the night of May 27–28 tornadoes did marked damage at eight localities in north-central Alabama, killing 40 persons, injuring more than 110, and damaging property to the extent of more than $430,000. There can hardly have been less than four distinct storms. At 8.45 p. m. Carbon Hill, Walker County, was visited by a tornado moving northeastward, which cut a path about three blocks wide through the city; the heaviest property loss, $200,000, is reported from this place. What was possibly the same storm, though not reported in the 70 miles intervening, passed south of New Hope, Madison County, at an unreported hour the same night. At 8.45 p. m. Sayre, Jefferson County, was struck by a tornado moving northeastward, leaving a path one-half mile wide; Majestic, in the same county, was destroyed at 9.20 p. m., and Bradford, in the same county, was damaged at an hour unreported, with especially large loss of life, 17. Village Springs, Blount Counry, but a short distance from the border of Jefferson, was devastated at 9.15, the tornado moving eastward. The location of the four points in or near Jefferson County, and especially the times, indicate at least two different storms. At an hour not reported a tornado moved eastward through Tuscaloosa County and the northern part of Bibb for more than 20 miles; while not reported from the intervening county of Shelby, this is perhaps the same storm that struck Sylacauga, in Talladega County, at 12.45 a. m., May 28, moving southeastward, then eastward, with its path over a mile wide.

Arizona.—No tornadoes reported.

Arkansas.—On March 20 a tornado crossed most of Dallas County, continued through Grant, and entered Jefferson County, traveling in all about 40 miles in a northeasterly direction. There were 6 killed and 4 injured, while damage of $15,000 was sustained.

On March 21, about 8.10 a. m., a tornado occurred near Melwood, Phillips County, moving southeastward; there was one fatality, 8 were injured, and $10,000 in damage was sustained.

On March 31, at 10 p. m., a tornado passed near Bellville, Yell County, heading northeastward; one person was killed, and damage of $5,000 resulted.

On May 27, at 3 p. m., a tornado originated near Archillion, Mississippi County, moving northeastward about 15 miles or more to the vicinity at least of the Mississippi River. This is probably the same storm that passed near Dyersburg, Tenn., after 4 p. m., and continued to Henry County, Tenn. The path in Arkansas was about 200 yards wide, but in places over twice that; 12 were killed, and there was property loss estimated at $43,000. The same day another originated near Manilla, also in Mississippi County, about 4.30 p. m., moving northeastward to Big Lake and causing loss of 6 lives and property injury estimated at $12,500.

On June 5 a tornado passed about 2 miles north of Harrison, Boone County, at 10.30 p. m., traveling southeastward. The path was about 4 miles long and from 50 to 100 yards wide. No casualties were reported, but property losses were about $15,000.

On June 6, from about 8 to 9 p. m., a tornado moved from near Wrightsville, Pulaski County, southeastward approximately 50 miles to near Olena, Arkansas County. No deaths or injuries were reported, but there was a property loss of $73,000.

On June 7 a tornado passed near Uniontown, Crawford County, moving eastward, with path 200 yards wide; 2 persons were killed and there was property damage of $4,000.

California.—No tornadoes reported.

Colorado.—No tornadoes reported.

Florida.—On April 5, about 1.40 p. m., a violent storm struck Seddon Island, near Tampa, and moved about 14 miles east-northeastward. The path was about 100 yards wide, and over part of its length a funnel cloud was seen. There was one death and some small houses were overturned.

On April 13 a violent wind storm, which apparently was of tornadic character, prevailed in the vicinity of Miami, the path extending in an east-northeast direction about 14 miles and being approximately 200 yards wide. The damage to property was about $7,000.

From Pensacola the information is received that tornadoes were reported in Santa Rosa County about 10 a. m., September 28. In the absence of more details it seems possible that these were merely extra violent wind gusts forming part of the general circulation of air about the center of the tropical hurricane which was then approaching from the southwest and about 160 miles distant.

Georgia.—No tornadoes reported.

Idaho.—No tornadoes reported.

Illinois.—On May 21, at 3.15 p. m., a destructive storm, reported to have had a funnel-shaped cloud, passed through part of McLeansboro, Hamilton County, and on northeastward into White County. One person was killed and the property loss was about $12,000.

On May 26 a tornado remarkable for its severity and the great length of its path covered 188 miles in Illinois and 105 miles in Indiana. It was first seen at Pleasant Hill, Pike County, at noon. Thence it moved due eastward across several counties and came to Mattoon and Charleston, where it did great damage, and from Charleston went on southeastward across Clark County into Indiana. The path of serious damage varied considerably, but averaged about one-fourth mile wide. As a result of the storm, 101 were killed, 638 injured, and there was a property loss of $2,500,000. The same day another tornado formed near Mendota, La Salle County, at 3.10 p. m., and moved in an easterly direction about 80 miles in Illinois and 30 more in Indiana. The path varied greatly, being as wide as 3 miles in places; but the worst effects were in a track about one-half mile wide; 3 lives were lost, and the property damage was about $750,000.

On May 27, between 5 and 6.30 p. m., one tornadic storm, or more probably two or more, occurred in southwestern Illinois, in Randolph, Perry, and Jackson Counties. One man was killed, several were injured, and there was damage of fully $80,000.

Indiana.—On March 11 shortly before 3 p. m. a tornado formed near Newcastle, Henry County, and moved eastward through that county and then southeastward through part of Wayne County, covering about 18 miles, the path of great destruction being 300 to 500 feet wide. The killed numbered 21, nearly a hundred were injured, and the property loss was about $600,000.

On March 23 tornadoes were reported at seven places, but possibly there were not more than five distinct storms. The storm in Sullivan County about 1.15 p. m. traveled eastward about 18 miles. The tornado in Hendricks County about 1.30 p. m. moved northeastward; and about 60 miles farther northeast, a tornado occurred in Delaware County about 3.30 p. m. likewise moving northeastward. The tornado in Grant County about 2.30 p. m. headed northeastward, and about 40 miles distant, in the direction it took, a tornado occurred in Adams County about 2.55 p. m. with the same direction of motion. The most destructive of the storms formed west of New Albany about 3.08 p. m. and moved in an east-northeast direction through that city; it then continued in about the same direction and crossed the Ohio River into Kentucky 10 miles above New Albany. Finally in Harrison County about 3.30 p. m. a tornado passed eastward about a mile north of Corydon; its path was wider than usual, being from one-fourth to one-half mile. The paths of the other tornadoes of the day ranged in width from 40 to 1,500 feet. The deaths resulting from the storms numbered 46, all save 1 from the New Albany tornado, and the aggregate property damage was $1,700,000, approximately.

On May 26 two tornadoes entered the State from Illinois. The tornado first seen at Pleasant Hill, Ill., entered Indiana shortly before 5 p. m. in Vigo County and moved slightly south of east to near the east line of Jennings County, where it disappeared about 7.20 p. m. It had lasted 7 hours, 20 minutes, during which time it covered 293 miles. In those localities in Indiana where it was notably severe the width of the path varied from 300 to 400 yards; two persons were killed in Indiana, and there was a property loss of several hundred thousand

dollars. The tornado that formed near Mendota, Ill., entered Lake County, Ind., about 5.30 p. m. and passed eastward across that county and most of Potter County. In the two States together it covered 110 miles in 2 hours, 46 minutes. In Indiana the path of destruction was about 500 feet wide, six were killed, about 100 injured, and property was damaged to the amount of about $400,000.

On July 13 about 4.30 p. m. a tornado developed in Brown County and moved a short distance southeastward. The path was narrow, no lives were lost, but fruit trees were somewhat hurt.

Iowa.—On June 5 at 8.45 p. m. a tornado visited Van Wert, Decatur County, apparently moving in a direction between north and northwest. It caused damage to the amount of about $2,500.

On June 12 tornadoes occurred in Iowa, Jones, and Jackson Counties, the resulting damage being about $5,000.

Kansas.—On March 22 tornadoes passed near Howard, Elk County, and Carlyle, Allen County, moving northeastward. The tornado near Howard was first noted between 5 and 6 p. m. The direction of its motion continued across intervening counties would have brought it near or into Allen County, where the storm occurred about 8 p. m. No person was injured in either county and the damage was but about $3,000, mostly in Allen County.

On April 18 between 2 and 3 p. m. a tornado occurred in Haskell County, moving northeastward, and in Gray County adjoining, the storm was observed in the air, but did no damage. The path in Haskell County ranged in width from 100 yards to half a mile and six people were injured, while the damage was estimated at $10,000.

On May 20 about 6 p. m. a tornado formed 12 miles southwest of Plainville, Rooks County, and moved northeastward about 40 miles. The path was from an eighth of a mile to 2 miles wide.

On May 25 between 1 and 6.30 p. m. five tornadoes were noted, all moving northeastward. The one in Decatur County and the two small ones in Lincoln County seem to have had short paths and caused no deaths and but little damage. In contrast the storm in Sedgwick and Harvey Counties covered 40 miles in 45 or 50 minutes, and covered 25 miles additional with no data at hand as to speed, the path varying in width from a few rods to more than a mile, the resulting deaths being 23 and the property loss $600,000. The last storm moved from Elk County to Allen County, 58 miles, with path one-fourth mile wide on the average, causing one death and injuring property to the extent of $50,000.

On June 1 there were four tornadoes or possibly two, each of which appeared in two different localities during its progress. The direction of motion in every case was northeastward, but the Montgomery County storm at first apparently moved but slightly north of due east. This storm formed at 5.05 p. m. and did great damage in Coffeyville, but was evident for only 9 miles. About 6 p. m. in Labette County, nearly 30 miles to northeastward, a tornado was observed which ended in Crawford County after traveling 10 miles. Meantime about four counties to northward at 6 p. m. a tornado formed in Franklin County and covered 10 miles; practically in the continuation of its path, 30 miles farther northeastward, a tornado formed in Johnson County about 7.30 p. m. and moved 25 miles, the path ending in Missouri. These June 1 storms killed seven persons, caused $500,000 loss in or near Coffeyville and did about $32,000 damage elsewhere.

Five tornadoes occurred June 5, all being like the storms of June 1 in the eastern part of the State. The hours of occurrence were between 4 and 7 p. m. The most northern in Doniphan County, moved at first southeastward, then turned eastward; its whole path was but 3 or 4 miles. Another of the storms passed near Topeka and traveled in all over 40 miles at a rate of about 30 miles per hour. This storm and the three others farther southward all moved toward northeast. The Topeka storm had the longest path, caused most deaths, seven, and most property loss, $500,000; the others together killed four people and did damage of about $100,000.

On June 12 between 8.30 and 9 p. m. a tornado formed in Pottawatomie County and traveled southeastward about 15 miles. Its path was from a fourth to a half mile wide. No lives were lost, but the damage was about $75,000.

Kentucky.—On March 23 the tornado that formed west of New Albany, Ind., crossed the Ohio River about 10 miles above that city and entered Kentucky. It did considerable damage at Harrods Creek not far from where it crossed the river.

On May 27 a tornado traversed Fulton, Hickman, Carlisle, and Graves Counties. It apparently began in or near Lake County, Tenn., where it did much damage, but it caused far greater damage in Kentucky, especially in the city of Hickman, where its path was narrow, only about 150 yards wide; in much of its course the path was from one-fourth to one-half mile wide. In all it traveled about 50 miles in a northeasterly direction. In Kentucky 68 were killed, and the property loss approached or reached $2,000,000.

On June 1 a short tornado in Graves County wrecked the town of Viola and injured 11 persons; other details are unknown.

On June 6 a tornado in Muhlenberg County moved due eastward for several miles, with path 50 to 75 yards wide. There were seven persons killed.

Louisiana.—No tornadoes reported.

Maryland and Delaware.—No tornadoes reported.

Michigan.—Soon after 4 p. m., June 2, a tornado started near Merrill, Saginaw County, and moved northeastward, continuing about 35 miles to Saginaw Bay, near Linwood. No lives were lost, but the property damage reached thousands of dollars.

On June 6, shortly after noon, a large waterspout was observed on Lake Michigan, off central Ottawa County; it passed inland northeastward through much of that county, its path being about 20 miles long and 200 feet wide. No lives were lost, but there was considerable damage. The same day, soon after noon, a tornado originated a short distance west-southwest of Battle Creek, passed eastward through the southern part of the city, continued over 30 miles east-northeastward, then did not touch the ground for about 10 miles from Eden northeastward, but about 5 miles south of Williamston continued its devastating, its motion now being northeastward. From the first point of damage to the last the storm covered about 60 miles, taking about 60 minutes. The path in Battle Creek was 100 feet wide, but near Springport and Eden about 1,000 feet, and near Williamston 500 feet. There were four killed and the property loss exceeded $1,000,000. About the same hour a tornado visited Washtenaw County, its path being nearly parallel to the latter part of the path of the storm just mentioned, but about 25 miles distant to southeastward. The Washtenaw County storm covered about 20 miles and is reported as severe, but the width of path, the casualities, if any, and the damage are not reported.

Minnesota.—No tornadoes reported.

Mississippi.—On January 5, about 1 a. m., a severe local storm, probably a tornado, passed Louisville, Winston County, with path 300 feet wide; it then apparently left the ground, but reached it again several miles to eastward, and moved on into Noxubee County, passing just north of Macon. Two were injured, and the property damage is estimated at $4,700.

On March 16, about 7.30 p. m., a tornado passed over Lee County, moving northeastward. One person was killed, and the property damage was about $2,500.

On April 1, about 11.30 p. m., a tornado occurred in the northern part of Noxubee County, moving northeastward with path one-fourth mile wide for a distance of about 7 miles. Three people were injured, and there was damage of $3,500.

On May 27, about 5 p. m., severe local storms, probably tornadoes, occurred in Grenada and Pontotoc Counties; in the former county the storm moved eastward, with path about 100 yards wide; there is no report of such a storm affecting the intervening county of Calhoun; but in Pontotoc County the storm moved northeastward, with path 200 yards wide. Six persons were injured and property damaged to the extent of $20,000.

Missouri.—There were apparently 30 tornadoes in Missouri during 1917, all but one in the period from May 21 to June 12, inclusive. No less than 23 came in the first 10 days of this period, and of these 23 all but one were in the southern third of the State. There were 83

persons killed, 519 injured, and property losses and damage estimated in the aggregate at $1,530,000. The length of the various paths traversed varied from 2 to 122 miles, the greatest width was almost a mile, and the total area devastated is computed at about 140 square miles. The direction of motion was northeastward in nearly every case, and the greatest departure in any part of a path was a trifle east of northward or a trifle north of eastward. The hours of occurrence were all from 11.45 a. m., to 10.10 p. m.

On May 21 there were 3 tornadoes in Douglas, Webster, and Wright Counties. On May 27 there were 4 tornadoes in or near Christian County, with tracks so near that on the chart of the country but one arrow is used to represent all; also somewhat to westward there was a severe storm, possibly not a tornado, in Newton County, and far to eastward there was a tornado near the Mississippi River. On May 30 no less than 14 tornadoes were reported; 5 of these were within a narrow strip reaching from northern Wright to southern Jefferson County, that is, more than half the width of the State (single arrow on chart); another group, 4 in number, occurred well southeastward in Stoddard and Scott Counties (single arrow); 3 storms between these groups were at wider intervals; another storm occurred in extreme southeastern Missouri; and the other, a small tornado, was observed in northwestern Franklin County near the Missouri River.

On June 1 a tornado from Johnson County, Kans., by the reports of observers in Kansas, continued into Jackson County, Mo., several miles south of Kansas City; as it was not reported by any one in Missouri, it probably did not travel far or do much damage in that State.

On June 5 there were 3 distinct tornadoes in the Missouri River counties, at considerable distances apart, and a fourth tornado, short and unimportant, occurred in southern Jefferson County.

On June 12 a tornado occurred in Mercer County, not far from the Iowa border. However, the 3 tornadoes reported that day from Iowa were far to the northeastward.

On October 28, at 7 p. m., a tornado formed near the head of Clear Creek, about 8 miles west of Springfield. It moved northeastward, leaving a path about 18 miles long, and dying out about 14 miles north of Springfield; the width of path varied from a few rods to nearly one-half mile. One man was injured and the property damage is estimated at $20,000.

Montana.—No tornadoes reported.

Nebraska.—On May 25 a severe storm, probably a tornado, occurred in Keith County, near Ogallala. The damage was small.

On July 13 a storm that seemed to be a tornado occurred near McCook, in Red Willow County. No lives were lost and the damage was small.

Nevada.—No tornadoes reported.

New England.—No tornadoes reported.

New Jersey.—No tornadoes reported.

New Mexico.—No tornadoes reported.

New York.—No tornadoes reported.

North Carolina.—On May 4, in Sampson County, near Orangeburg, a tornado covered about 15 miles, with width of path 200 yards, moving northeastward. No lives were lost, but damage estimated at $15,000 resulted.

North Dakota.—On June 10, about 4.30 p. m., a tornado moving north-northeastward occurred near New Salem, Morton County. The path was narrow and the damage, as far as reported, was slight.

On July 29, about 6.30 p. m., a severe storm with some tornadic characteristics moved eastward in the vicinity of Lisbon and McLeod, Ransom County. The territory covered was from 3 to 5 miles in width and about 30 in length; crops were totally destroyed by wind and hail over much of this area, some buildings were damaged, and several people were injured.

Ohio.—On March 11, about 4.30 to 5 p. m., two tornadoes passed over western Montgomery County, moving along parallel paths about 4 miles apart, their direction being slightly to south of due east. The more northern, which passed near Brookville and Trotwood and continued into the western part of Dayton, covering about 9 miles, was decidedly violent over much of its path.

One person was killed and the damage was great, but no estimate is reported. The path of the southern storm, near Johnsville and New Lebanon, was only about 3 miles long, and it was far less destructive. If the paths of these storms are continued eastward across Green County, where no damage was reported, they come near the path of a tornado in northern Fayette County, the southern Montgomery County path probably being in better accord than the northern. This Fayette County storm passed through Bookwalter about 5 p. m., and did considerable damage. Its path was over 10 miles long, and it moved a little to south of due east. To westward and a little north of Montgomery County the tornado that devastated part of Newcastle, Ind., occurred at an earlier hour this same day; it moved somewhat south of east, at least in part of its path, so headed for Montgomery County, Ohio; but its path did not extend to the State boundary, so an interval of fully 25 miles lay between its ending and the start of the Montgomery County storms. At a later hour this same day, but well to southward, a tornado occurred in Hamilton County, crossing part of the city of Cincinnati. It probably started within the city limits, about 7.20 p. m., and left a path over 3 miles long; where it was most destructive, the width of the path was from 50 to 300 feet or more. Three were killed and 32 injured, and the property damage was about $275,000.

On June 23, between 6 and 7 p. m., a tornado occurred in the northern part of Trumbull County, moving northeastward and covering about 6 miles in 8 minutes. No one was killed or injured, as far as known, but the damage was considerable. A tornado occurred in Pennsylvania, near Saegerstown, a few minutes later, practically in the direction of the path of the Trumbull County storm.

Oklahoma.—On April 18, at 6.55 p. m., a tornado passed through Snyder, moving northeastward. What was probably the same storm visited the farming region near Altus, 23 miles west of Snyder, at an hour not reported, and destroyed a school building 2 miles southwest of Snyder. One person was killed, and the property damage was estimated as at least $100,000.

About 5 a. m., April 19, a tornado was reported as passing north of Frederick, Tillman County; the path of the storm was several miles wide, and the movement was eastward.

On May 31, late at night, Pittman, Love County, was struck by a tornado and 3 were killed. At Marietta, 8 miles east of Pittman, much damage was done the same night, probably by a different tornado. In Cooke County, Tex., between 9 and 9.30 the same night, there were several tornadoes, and it is likely that two of these crossed the Red River into Oklahoma and were the storms that visited Pittman and Marietta.

On June 1 no less than six tornadoes visited Logan County between 2 and 3 p. m. (single arrow on chart). The damage, as far as known, was moderate. Late the same day, in Creek County, to northeastward, a tornado destroyed 25 oil derricks; this was possibly a reappearance of the disturbed conditions which led to the Logan County tornadoes. On the same day four places farther southward reported tornadoes, possibly two storms each appearing twice. In Seminole County, 9 miles north of Seminole, a tornado injured 9 persons and damaged much property; and about 40 miles northeastward, late in the day, 42 oil derricks were destroyed near Okmulgee. A tornado struck Drake, Murray County, at 3.15 p. m.; the path was 120 feet wide, and 5 persons were killed; about 30 miles eastward, soon after 4 p. m., Coalgate, Coal County, was struck, and 11 were killed; while property damage was placed at $200,000. The storm here had a northeastward direction, and its path was about 200 yards wide.

On June 7, at 4 p. m., what seemed to be 3 distinct tornadoes occurred simultaneously at Perry, Noble County, moving southeastward (single arrow on chart). No casualties were reported, but the damage was estimated at $125,000.

On August 5, at 4 p. m., a tornado passed near Pocasset, Grady County, with path approximately a mile wide; 1 person was killed.

Oregon.—No tornadoes reported.

Pennsylvania.—On June 6, at an hour unreported, there was a severe local windstorm, possibly a tornado, in Somerset County, with path of destruction extending nearly a mile. One man was killed.

On June 23, about 7.30 p. m., a tornado passed near Saegerstown, Crawford County. Its direction of motion was northeast by east, and the path of destruction extended about half a mile, varying in width, but usually about 10 to 20 yards. A few people were injured. It is noteworthy that an hour or so earlier a tornado visited Trumbull County, Ohio, heading northeastward, practically toward Saegerstown; the interval between the paths of reported damage is about 35 miles.

On June 26 a storm occurred in the southern part of Erie County, not far from the Crawford County line. The results were similar to those reported from Saegerstown, but it is not certain that it was a true tornado.

South Carolina.—On May 22, between 6 and 7 p. m., a tornado appeared southwest of Greenwood, Greenwood County, but had probably originated in Abbeville County, east of Calhoun Falls. It moved into Newberry County and disappeared about 8 miles south of Newberry, so its path was about 50 miles long, with movement east-northeastward. The width of path was 40 to 100 yards. No deaths were reported, but 9 were injured, and the property loss was about $30,000.

On October 29, at 9.30 p. m., a tornado about 200 yards in diameter struck the Jones plantation, about 10 miles west of Lancaster, Lancaster County, and traversed a few miles of the region west of that city. Ten were injured, but the property loss was only about $3,000.

South Dakota.—No tornadoes reported.

Tennessee.—On March 23, about 5 p. m., a short tornado moved northeastward across Trousdale County, injuring several persons and causing property loss of about $1,000.

On May 27, between 4 and 9 p. m., there were several severe local storms, at least four of which were tornadoes. One crossed the northwestern corner of Lake County, the most northwestern county of Tennessee, and moved northeastward, being apparently the same storm that caused great damage in western Kentucky, particularly at Hickman; in Tennessee the path was about 10 miles long and one-fourth mile wide, 2 being killed and 20 injured and property losses amounting to $10,000. Another is thought to be one of the two tornadoes that originated in Mississippi County, Ark., the times reported making it more probable that it was the one that originated near Archillion; it traveled about 80 miles northeastward in Tennessee, passing through the southern edge of Dyersburg and reaching Henry County; the path was about one-half mile wide; 12 persons were killed, 120 were injured, and the property loss was $120,000. A third was noted near Trenton, Gibson County, at 4 p. m., and moved northeastward about 90 miles to eastern Stewart or perhaps into Montgomery County; the width of path was about 300 yards; 4 persons were killed and 21 injured, while the damage to property was about $60,000. The fourth tornado began about 6 p. m., in or near McNairy County, and moved northeastward to eastern Wilson County, or perhaps into Smith, about 8.45 p. m., covering about 140 miles in 165 minutes, but for about 50 miles near the middle of this distance there was no marked violence, and it is not certain that the first and last parts are the work of one storm; 7 persons were killed, 97 injured, and property damaged about $204,000.

On October 29, about 12.30 p. m., a brief storm that appears to have been a tornado occurred in Hickman and Dickson Counties, moving northeastward. Its path was only about 100 yards wide, but 1 person was killed.

Texas.—On January 22, three tornadoes, or perhaps three visitations of a single tornado, occurred in southeastern Texas; all moved in an easterly direction, and the tracks lie practically in a single line. At an unreported hour in the early morning Karnes City, in Karnes County, was visited; about 120 miles to eastward Markham, Matagorda County, was visited about 6.15 a. m.; then about 40 miles farther eastward Brazoria, Brazoria County, was visited about 7 a. m. Considerable damage was reported, but no deaths and but one injury.

On May 21 a brief tornado occurred 12 miles southwest of Kaufman, moving northeastward. Its path was only about 30 feet wide and 1,200 feet long, and the damage was slight.

On May 31, between 9 and 9.30 p. m., a series of tornadoes occurred in Cooke County, which adjoins Love County, Okla., the Red River between forming the State boundary. Two places in Love County were visited the same night, at hours not reported, but probably by different

tornadoes. In Texas several funnel-shaped clouds were observed simultaneously, and 6 persons were injured, while the property loss is estimated at $200,000.

Utah.—No tornadoes reported.

Virginia.—On October 29, at Motley and Gretna, in Pittsylvania County, a tornado occurred, about 10.30 p. m., at the former place, where its motion was southeastward, though from Gretna it moved away to northward. The path was about 3 miles long, and the width varied greatly, being only 200 yards at most near Gretna. One person was killed, several were injured, and the property loss was about $50,000.

Washington.—No tornadoes reported.

West Virginia.—No tornadoes reported.

Wisconsin.—No tornadoes reported.

Wyoming.—No tornadoes reported.

HAIL, 1917.

Charts Nos. 6 and 7 show for the different sections of the country the occurrence of hail during the warm season (April to September) of 1917, based on the records of all the regular and cooperative stations of the bureau. In the preparation of these charts effort has been made to show two degrees of intensity—moderately heavy hail, resulting in slight damage only, and heavy or destructive hail, resulting in material damage to crops or other property. Chart 6 shows the former and Chart 7 the latter class. Numerous instances of occurrence were reported where the hail was too light to cause damage, but these were not considered for the present purpose.

The storm of June 6, in north-central Maryland, and the storm of August 8, in southeastern Nebraska, are indicated in special manner on Chart 7. They are known to have covered belts of territory a few miles wide and many miles long, and are so indicated on the chart, instead of by a dot for each place making report of hail. These storms were of intense severity, and news of them traveled many miles from their paths. It is probable that in some other cases a destructive hailstorm should be represented by a strip or belt, instead of being indicated by several detached dots, placed according to the localities where cooperative observers and correspondents furnished information; but for lack of conclusive proof it seems better to leave the dots unconnected on the chart, except in the instances of the Nebraska and Maryland storms.

Hailstorms are often extremely local in character, great damage sometimes being done in a restricted locality, while places near by escape unharmed. Moreover the occurrence of storms is very irregular from year to year. Consequently the distribution indicated on the accompanying charts should not be construed as indicating the usual condition. As a rule, hail occurs with greater frequency in the Great Plains region and some adjoining localities than in other portions of the country. In portions of the Pacific coast region and also along the immediate Atlantic and Gulf coasts hail seldom occurs.

LOSS FROM WINDSTORMS, 1917.

Effort has been made to collect, through the field service officials of the Weather Bureau, statistics as to the loss of life and damage to property occasioned by windstorms, other than tornadoes, during the year 1917. The results are shown in the following table. The amounts of property damage given are estimates only, and in many cases it was found impossible to obtain even rough estimates of loss, in which cases symbols are entered to indicate that while damaging winds were reported no estimates of loss could be obtained. Loss from wind only is included in the table; for example, deaths and fire losses from lightning are not included, though violent gusts may have accompanied the thunderstorm, and deaths or loss by freezing in a blizzard are omitted because the low temperature is deemed the greater factor.

Losses from windstorms, other than tornadoes, by months and sections, 1917.

States.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.	Number of lives lost.
Alabama									(1)				(1)	
Arizona														
Arkansas			2,500		[2] 1,500								[2] 4,000	
California	(1)	100,000											[2] 100,000	3
Colorado														
Florida									100,000				100,000	5
Georgia		[2] 25,000					(1)	(1)					[2] 25,000	4
Idaho														
Illinois	2,500	(1)	(1)		[2] 2,000	[2] 12,800	(1)	(1)	(1)	(1)			[2] 17,300	5
Indiana														
Iowa					(1)	[2] 15,000	(1)						[2] 15,000	
Kansas						[2] 200	[2] 10,000	200,000					[2] 210,200	
Kentucky		(1)			[2] 200,000	200,000	(1)	(1)	[2] 10,000				[2] 410,000	1
Louisiana														
Maryland and Delaware										(1)			(1)	
Michigan			1,000			300	(1)	(1)			(1)		[2] 1,300	
Minnesota				(1)		(1)	(1)				(1)		(1)	
Mississippi								500					500	
Missouri		(1)						(1)					(1)	
Montana						15,000							15,000	1
Nebraska														
Nevada														
New England														
New Jersey														
New Mexico				(1)							(1)		(1)	
New York										(1)			(1)	
North Carolina									(1)				(1)	
North Dakota						350							350	
Ohio														
Oklahoma				(1)	(1)	20,000	[2] 10,000						[2] 30,000	
Oregon														
Pennsylvania				1,000									1,000	
South Carolina														
South Dakota					500		(1)						[2] 500	
Tennessee		(1)	(1)	[2] 200,000	(1)	[2] 100,000		(1)	(1)				[2] 300,000	6
Texas				[2] 2,500		(1)	[2] 5,000						[2] 7,500	
Utah			(1)			(1)		(1)					(1)	
Virginia				500			(1)						[2] 500	
Washington	(1)		(1)										(1)	
West Virginia														
Wisconsin					60,000	17,000	35,000	10,400	30,000	10,000			162,400	
Wyoming														

[1] Indicates losses reported, but no estimate of amount obtainable.
[2] Indicates additional losses, but no estimate of amount obtainable.

Annual summary, climatological data, Canadian stations, 1917.

[Data furnished by the Canadian Meteorological Service.]

Station.	Pressure in inches.			Temperature.						Precipitation.		
	Station reduced to mean of 24 hours.	Sea level reduced to mean of 24 hours.	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	29.70	29.84	−0.07	42.0	+1.5	48.6	35.4	85	− 4	60.12	+5.49	100.4
Sydney, Cape Breton Island	29.91	29.95	+0.01	42.3	+1.0	51.5	33.2	90	−14	54.66	+4.38	95.5
Halifax, Nova Scotia	29.85	29.96	−0.01	42.8	0.0	51.8	33.9	86	8	52.13	−4.90	72.0
Yarmouth, Nova Scotia	29.88	29.95	−0.03	41.8	−1.4	48.8	34.9	80	1	49.98	−0.35	88.6
Charlottetown, Prince Edward Island	29.89	29.93	−0.01	41.1	+0.1	48.0	34.1	87	−19	40.38	− 1.24	81.8
Chatham, New Brunswick	29.93	29.95	+0.01	38.6	−0.1	47.9	29.4	96	−23	48.73	+ 7.44	106.4
Father Point, Quebec	29.93	29.95	+0.02	33.7	−1.1	40.7	27.4	83	−23	34.62	+ 1.63	98.5
Quebec, Quebec	29.65	29.98	0.00	36.9	−1.3	44.7	27.1	91	−22	48.12	+ 6.40	155.9
Montreal, Quebec	29.77	29.98	−0.01	39.5	−2.0	46.8	32.1	96	−20	44.69	+ 3.70	115.2
Stonecliffe, Ontario	29.37	29.99	0.00	37.9	−0.3	47.1	29.3	94	−32	19.31	−11.15	69.2
Ottawa, Ontario	29.72	29.99	−0.01	38.9	−1.7	48.1	29.8	98	−26	35.25	+ 2.65	127.6
Kingston, Ontario	29.69	30.01	0.00	41.3	−1.8	49.2	33.4	88	−19	33.53	+ 0.72	74.6
Toronto, Ontario	29.60	30.02	0.00	43.2	−1.0	51.6	34.8	98	−11	34.40	+ 0.68	61.7
White River, Ontario	28.63	29.98	0.00	28.0	−4.1	41.0	15.2	91	−50	24.36	− 0.43	99.9
Port Stanley, Ontario	29.38	30.04	+0.01	42.4	−2.3	50.0	33.5	90	−18	37.16	+ 2.74	72.7
Southampton, Ontario	29.28	.....	.....	39.9	−2.5	47.7	32.0	94	−26	37.90	+ 3.69	126.6
Parry Sound, Ontario	29.29	29.99	−0.01	38.4	−1.8	47.6	29.3	93	−34	44.91	+ 6.64	173.9
Port Arthur, Ontario	29.30	30.02	+0.02	33.9	−0.5	43.4	24.5	89	−34	14.93	− 9.83	36.2
Winnipeg, Manitoba	29.19	30.05	+0.05	33.5	+0.4	43.6	23.4	94	−38	13.76	− 7.22	39.8
Minnedosa, Manitoba	28.18	30.04	+0.04	32.2	+0.6	44.1	20.4	99	−43	11.61	− 4.84	66.6
Qu'Appelle, Saskatchewan	27.70	29.99	+0.01	33.0	−0.3	44.1	21.9	102	−47	16.69	+ 0.61	83.3
Medicine Hat, Alberta	27.66	29.96	0.00	41.4	+1.1	53.8	28.2	101	−46	11.13	− 2.67	51.3
Swift Current, Saskatchewan	27.38	29.99	+0.02	36.1	−1.4	48.4	23.8	100	−40	11.92	− 3.55	59.7
Calgary, Alberta	26.41	29.99	+0.06	37.9	+0.7	50.8	25.1	91	−38	11.26	− 3.61	46.8
Banff, Alberta	25.35	29.96	+0.03	37.5	+2.8	46.9	22.9	90	−44	17.44	− 4.47	81.5
Edmonton, Alberta	27.65	29.97	+0.04	34.6	−1.0	45.9	23.4	86	−50	15.25	− 0.58	56.5
Prince Albert, Saskatchewan	28.43	30.02	+0.04	32.2	+1.7	43.8	20.7	92	−50	10.61	− 4.30	51.9
Battleford, Saskatchewan	28.24	30.01	+0.04	33.6	+0.9	45.3	21.9	94	−45	8.20	− 5.73	37.4
Kamloops, British Columbia	28.77	30.09	+0.16	45.0	−2.1	55.6	35.4	98	−26	11.27	− 0.36	41.5
Victoria, British Columbia	29.82	30.08	+0.08	48.4	−0.2	54.1	42.7	82	13	30.78	− 7.36	33.9
Barkerville, British Columbia	25.63	29.99	+0.09	33.3	−2.9	42.3	24.3	76	−39	38.89	+ 5.33	149.7
Hamilton, Bermuda	29.95	30.11	+0.02	69.2	−0.5	74.2	64.2	87	45	63.02	+ 1.11	0.0

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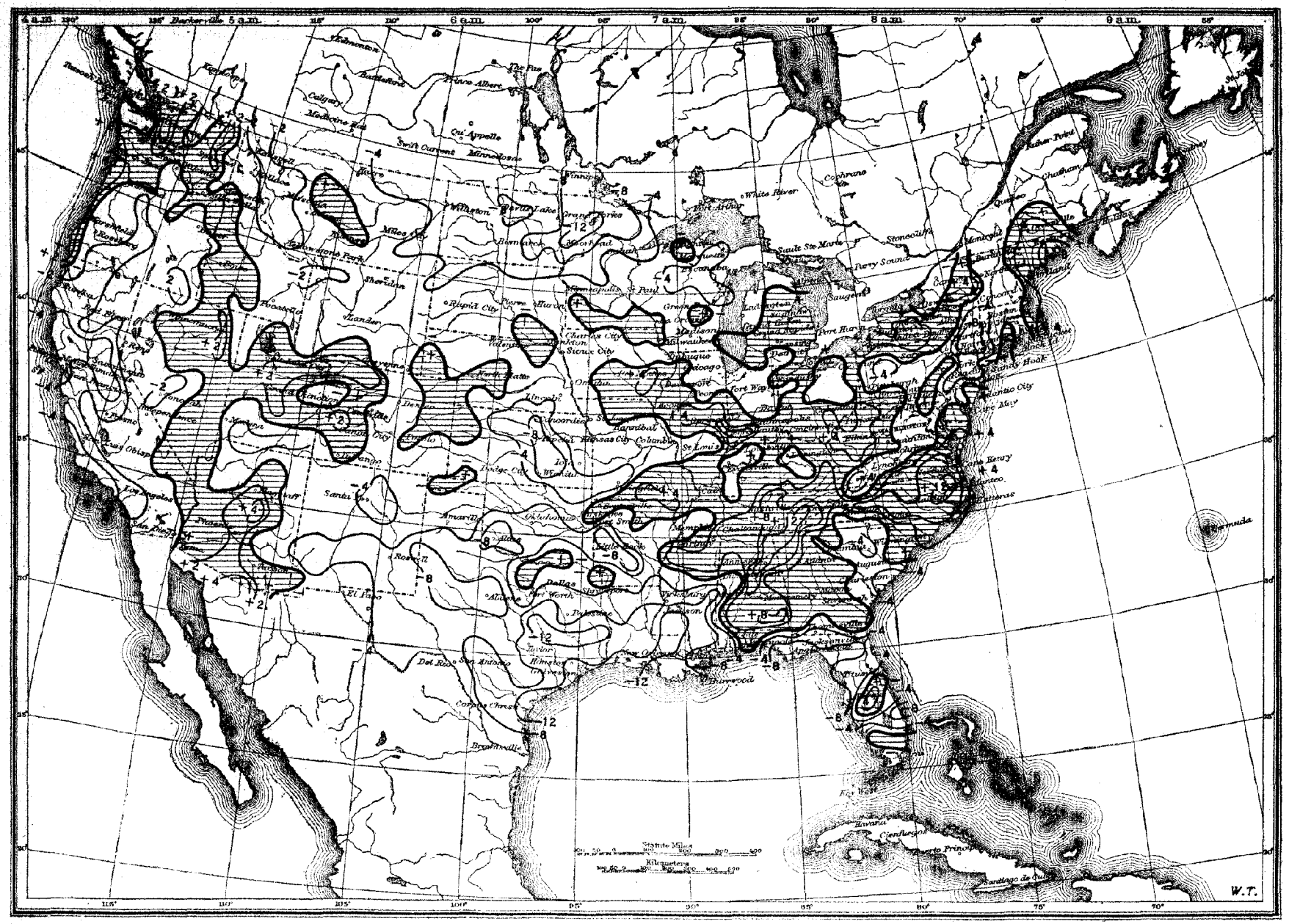
87050—19

DEPARTURE FROM NORMAL TEMPERATURE, IN DEGREES FAHRENHEIT, FOR THE CROP SEASON OF 1917, MARCH 1 TO SEPTEMBER 30.

TOTAL PRECIPITATION, INCHES, FOR THE CROP SEASON OF 1917, MARCH 1 TO SEPTEMBER 30.

87050—19



DEPARTURE FROM NORMAL PRECIPITATION FOR THE CROP SEASON OF 1917, MARCH 1 TO SEPTEMBER 30.

87050—19

TOTAL PRECIPITATION, INCHES, FOR THE YEAR 1917.

87050—19

THE ARROWS SHOW THE OCCURRENCE, LOCATION, AND DIRECTION OF MOTION OF TORNADOES DURING THE YEAR 1917, THE ARROWS POINTING IN THE DIRECTION OF STORM MOTION.

87050—19

THE DOTS SHOW THE OCCURRENCE AND LOCALITY OF MODERATELY HEAVY HAIL, DOING SLIGHT DAMAGE ONLY, REPORTED BY THE OBSERVERS OF THE WEATHER BUREAU, FOR THE WARM SEASON OF 1917, APRIL 1 TO SEPTEMBER 30.

87050—19

THE DOTS AND LINES SHOW THE OCCURRENCE AND LOCALITY OF HEAVY HAIL, DOING MATERIAL DAMAGE TO CROPS AND OTHER PROPERTY, REPORTED BY THE OBSERVERS OF THE WEATHER BUREAU, FOR THE WARM SEASON OF 1917, APRIL 1 TO SEPTEMBER 30.

87050—19

LIST OF OBSERVING STATIONS.

The following table contains the geographic coordinates 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."

Changes in the elevations of other instruments during 1917 are shown by the figures immediately below, and the dates of such changes are given under appropriate heading.

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, 1917);
T = continuous records of temperature (on December 31, 1917);
W = continuous records of wind (direction and velocity) (on December 31, 1917);
V = continuous records of wind (velocity only) (on December 31, 1917);
R = continuous records of rainfall (on December 31, 1917);
S = continuous records of sunshine (on December 31, 1917).

Summary of stations in operation during the year.

Taking two observations daily (all elements)	185
Taking one observation daily (all elements)	55
Taking one observation daily (temperature, rainfall, wind, and weather)	26
Taking one observation daily (temperature and rainfall only, cotton, sugar, and rice regions)	134
Taking one observation daily (temperature and rainfall only, corn and wheat regions)	157
Taking one observation daily (river and rainfall only)	430
Taking one observation daily (rainfall stations)	70
River flood stations	61
Rainfall flood stations	159
Taking one observation daily (cotton and special meteorological)	2
Taking one observation daily (special meteorological and river)	3
Taking one observation daily (sugar and rice and river)	2
Taking one observation daily (cotton and river)	28
Taking one observation daily (cotton and rainfall)	37
Taking one observation daily (corn and wheat and river)	11
Taking one observation daily (corn and wheat and rainfall)	29
Taking one observation daily (river and storm warning)	1
Taking one observation daily (cranberry)	10
Taking one observation daily (special fruit)	45
Taking one observation daily (special fruit and river)	1
Taking one observation daily (special meteorological and storm warning)	3
Taking one observation daily (special meteorological and tomato)	1
Taking one observation daily (cattle region)	22
Taking one observation daily (special tobacco)	13
Taking one observation daily (special alfalfa)	4
Vessel weather stations	55
Snowfall stations	204
Snowfall and evaporation	2
Total paid stations	1,750
Cooperative stations, about	[1] 4,550
Grand total	6,300

[1] Exclusive of the observers of the cattle, 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, 1917.				Observations began.	Dates of changes in elevation during 1917.
				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	
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	62	54	77	Nov. 2, 1870	
Baker, P T W R S.	44 46	117 50	2 51 S.	3,471	48	40	53	July 9, 1889	
Baltimore, P T W R S.	39 17	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	
Binghamton, P T W R S.	42 08	75 55	04 S.	871	10	3	69	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	
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 13	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	3	26	Nov. 18, 1875	
Buffalo, P T W R S.	42 53	78 53	16 S.	767	247	238	280	Nov. 1, 1870	
Burlington, P T W R S.	44 29	73 12	07 F.	404	11	3	48	Mar. 29, 1906	
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	
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	13	3	49	July 16, 1897	
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	153	144	161	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	84	75	101	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	11	3	51	.....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	50	42	58	May 1, 1885	
Corpus Christi, P T W R S.	27 49	97 25	1 30 S.	20	69	61	77	Feb. 1, 1887	
Dallas, P T W R S.	32 46	96 47	1 27 S.	512	109	92	117	Oct. 15, 1913	
Davenport, P T W R S.	41 30	90 38	1 03 S.	606	71	65	79	May 24, 1871	
Dayton, P T W R S.	39 46	84 10	37 S.	899	181	176	216	July 10, 1911	
Del Rio, P T W R S.	29 20	100 53	1 44 S.	944	64	56	71	Nov. 9, 1905	
Denver, P T W R S.	39 45	105 00	2 00 S.	5,291	106	98	113	Nov. 19, 1871	
Des Moines, P T W R S.	41 35	93 37	1 14 S.	861	84	76	97	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 City, P T W R S.	37 45	100 00	1 40 S.	2,509	11	3	51	Sept. 15, 1874	
Drexel, P T W R S.	41 20	96 16	1 25 S.	1,299	10	3	54	June 1, 1915	
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	
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	
Ellendale, P T W R S.	45 59	98 34	1 34 S.	1,457	10	3	56	Oct. 8, 1917	
El Paso, P T W R 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	130	122	166	May 25, 1873	
Escanaba, P T W R S.	45 48	87 05	48 S.	612	54	44	60	May 24, 1871	
Eureka, P T W R S.	40 48	124 11	3 17 S.	62	73	65	89	Jan. 1, 1887	
Evansville, P T W R S.	37 58	87 33	50 S.	431	139	135	175	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 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 05	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	89	82	98	Aug. 18, 1887	
Galveston, P T W R S.	29 18	94 50	1 19 S.	54	106	98	114	Apr. 19, 1871	
Grand Haven, P T W R S.	43 05	86 13	45 S.	632	54	49	92	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, 1917.				Observations began.		Dates of changes in elevation during 1917.
							Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.			
	°	′	°	′	h.	m.	Feet.	Feet.	Feet.	Feet.			
Grand Junction, P T W R S.	39	04	108	34	2	14 S.	4,602	82	74	96	Jan.	1, 1899	
Grand Rapids, P T W R S.	42	58	85	40		43 S.	707	70	70	87	July	1, 1903	
Green Bay, P T W R S.	44	31	88	00		52 S.	617	109	101	144	Sept.	1, 1886	
Greenville, P T W R S.	34	50	82	24		30 S.	1,039	113	102	122	Oct.	6, 1917	
Hannibal, P T W R S.	39	41	91	20	1	05 S.	534	74	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	37	50	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	87	89	114	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	62	57	83	Aug.	26, 1900	
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	59	53	74	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	194	188	230	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		06 S.	836	82	4	100	.....		
Jacksonville, P T W R S.	30	20	81	39		27 S.	43	209	198	245	Sept.	11, 1871	
Juneau, P T W R S.	58	18	134	24	3	58 S.	80	11	5	49	Jan.	5, 1917	
Kalispell, P T W R S.	48	10	114	25	2	38 S.	2,973	11	4	34	May	3, 1899	Oct. 1, 1917
								48	40	56	.....		
Kansas City, P T W R S.	39	05	94	37	1	18 S.	963	161	141	181	Apr.	21, 1873	
Keokuk, P T 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	64	Nov.	1, 1870	
Knoxville, P T W R S.	35	56	83	58		36 S.	996	93	84	100	Jan.	20, 1871	May 18, 1917
								102	96	111	.....		
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	60	54	68	Aug.	1, 1891	
Lansing, P T W R S.	42	44	84	26		38 S.	878	11	3	62	May	1, 1910	
Lewiston, P T W R S.	46	25	117	02	2	48 S.	757	40	32	48	Oct.	1, 1900	
Lexington, P T W R S.	38	02	84	33		38 S.	989	193	187	230	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	Aug.	21, 1873	
Los Angeles, P T W R S.	34	03	118	15	2	53 S.	338	159	151	191	July	1, 1879	
Louisville, P T W R S.	38	15	85	45		43 S.	525	219	214	255	Sept.	11, 1871	
Ludington, P T W R S.	43	57	86	27		46 S.	637	60	53	66	Sept.	12, 1912	
Lynchburg, P T W R S.	37	25	79	09		17 S.	681	153	146	188	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	5	3	43	Nov.	10, 1904	July 1, 1917
										42	.....		
Marquette, P T W R S.	46	34	87	24		50 S.	734	77	70	111	May	11, 1871	
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	85	62	93	Sept.	1, 1889	
Miami, P T W R S.	25	48	80	12		21 S.	25	71	64	79	June	3, 1911	
Miles City, P V.	46	25	105	49	2	03 S.	2,371	48	39	55	Oct.	1, 1891	
Milwaukee, P T W R S.	43	02	87	54		52 S.	681	125	117	139	Nov.	1, 1870	
Minneapolis, P T W R S.	44	59	93	18	1	13 S.	918	102	92	208	Nov.	6, 1890	
Mobile, P T W R S.	30	41	88	02		52 S.	57	125	119	161	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	
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	76	71	84	Nov.	1, 1870	
New York, P T W R S.	40	43	74	00		04 F.	314	414	407	454	Nov.	1, 1870	
Norfolk, P T W R S.	36	51	76	17		05 S.	91	170	163	205	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	
Oklahoma, 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	122	Nov.	1, 1870	
Oswego, P T W R S.	43	29	76	35		06 S.	335	76	68	91	Nov.	1, 1870	

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, 1917.				Observations began.	Dates of changes in elevation during 1917.
							Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	°	′	°	′	h.	m.	*Feet.*	*Feet.*	*Feet.*	*Feet.*		
Palestine, P T W R S	31	45	95	40	1	23 S.	510	64	57	72	Dec. 3, 1881	
Parkersburg, P T W R S	39	16	81	36		26 S.	638	77	70	84	July 1, 1888	
Pensacola, P T W R S	30	25	87	13		49 S.	56	149	131	185	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	190	Jan. 1, 1871	
Phoenix, P T W R S	33	28	112	00	2	28 S.	1,108	11	68	81	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	60	52	68	July 1, 1899	
Point Reyes Light, P T W R S	38	11	122	51	3	11 S.	490	7	4	18	Mar. 1, 1889	
Port Angeles, P T W R S	48	07	123	06	3	12 S.	43	8	29	53	Mar. 1, 1916	
Port Arthur, P T W R S	29	52	93	55	1	16 S.	34	58	51	66	Feb. 1, 1917	
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	41	3	11 S.	153	68	63	106	Nov. 1, 1870	
Providence, P T W R S	41	50	71	25		14 F.	160	215	211	251	Oct. 22, 1904	
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	50	43	58	Jan. 24, 1881	
Reading, P T W R S	40	20	75	58		04 S.	325	81	73	98	Dec. 1, 1912	
Red Bluff, P T W R S	40	10	122	15	3	09 S.	332	50	40	56	July 1, 1877	
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	
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	75	69	85	Dec. 20, 1904	
Sacramento, P T W R S	38	35	121	30	3	06 S.	69	106	100	117	July 1, 1877	
Saginaw, P T W R S	43	26	83	57		36 S.	641	48	43	82	Oct. 10, 1912	
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.	568	265	258	303	Nov. 1, 1870	
St. Paul, P T W R S	44	58	93	03	1	12 S.	837	201	196	236	....do....	
Salt Lake City, P T W R S	40	46	111	54	2	28 S.	4,360	163	156	203	Mar. 19, 1874	
San Antonio, P T W R S	29	27	98	28	1	34 S.	693	119	112	132	Jan. 2, 1876	
San Diego, P T W R S	32	43	117	10	2	49 S.	87	62	55	70	Nov. 1, 1871	
Sand Key, P T W R S	24	27	81	52		28 S.	23	39	6	72	June 1, 1903	
Sandusky, P T W R S	41	25	82	40		31 S.	629	62	54	103	Aug. 2, 1877	
Sandy Hook, P T W R S	40	28	74	01		04 F.	22	10	3	57	Nov. 1, 1914	
San Francisco, P T W R S	37	48	122	26	3	10 S.	155	209	200	213	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	9	4	54	Nov. 1, 1898	
San Luis Obispo, P T W R S	35	18	120	39	3	03 S.	201	32	23	40	June 1, 1885	
Santa Fe, P T W R S	35	41	105	57	2	04 S.	7,013	57	49	66	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	215	209	250	May 1, 1893	
Sheridan, P T W R S	44	48	106	57	2	08 S.	3,790	10	3	47	Apr. 29, 1907	
Shreveport, P T W R S	32	30	93	40	1	15 S.	249	77	70	93	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	
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.	636	10	4	91	July 1, 1879	
Springfield, Mo., P T W R S	37	12	93	18	1	13 S.	1,324	98	66	104	June 3, 1882	
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	92	Mar. 13, 1890	
Tatoosh Island, P T W R S	48	23	124	44	3	19 S.	86	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	
Terre Haute, P T W R S	39	29	87	24		50 S.	575	96	84	129	July 29, 1912	
Thomasville, P T W R S	30	48	83	58		36 S.	273	49	41	58	Aug. 20, 1905	
Toledo, P T W R S	41	40	83	34		34 S.	628	208	201	243	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.	983	85	76	101	June 1, 1887	
Trenton, P T W R S	40	14	74	45		01 F.	190	159	152	183	Apr. 1, 1913	
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	65	58	74	Sept. 10, 1871	
Walla Walla, P T W R S	46	02	118	20	2	53 S.	1,000	57	50	65	Dec. 1, 1885	
Washington, P T W R S	38	54	77	03		08 S.	112	62	42	85	Nov. 1, 1870	

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, 1917.				Observations began.	Dates of changes in elevation during 1917.
				Barometer above sea	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	° ′	° ′	h. m.	*Feet.*	*Feet.*	*Feet.*	*Feet.*		
Wausau, **T R**	44 57	89 35	58 S.	1,247	4	38	.....	June 18, 1915	
Wichita, **P T W R S**	37 41	97 20	1 29 S.	1,358	139	132	158	July 1, 1888	
Williston, **P T W R S**	48 09	103 35	1 54 S.	1,872	41	33	48	Nov. 24, 1893	
Wilmington, **P T W R S**	34 14	77 57	12 S.	78	81	76	91	Jan. 1, 1871	
Winnemucca, **P T 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	49	40	55	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	54	Oct. 4, 1875	
WEST INDIAN STATIONS.									
Barbados.[1]									
Bridgetown	13 04	59 37	1 02 F.	30	6	3	30	Aug. 15, 1898	
British Honduras.									
Belize	17 30	88 12	53 S.	17	5	3	46	Dec. 1, 1916	
Caribbean Sea.[1]									
Swan Islands	.....	.....	.....	.....	.....	.....	.....	June 1, 1914	
Curaçao.[1]									
Curaçao, **P T**	12 06	68 56	24 F.	75	.....	.....	.....	Aug. 9, 1898	
Dominica.[1]									
Roseau	15 17	61 23	54 F.	25	.....	.....	.....	Oct. 20, 1898	
Jamaica.[1]									
Kingston	17 58	76 48	07 S.	24	48	51	63	Aug. 16. 1898	
Nicaragua.[1]									
Bluefields, **V**	12 00	83 45	35 S.	28	4	3	26	Jan. 1, 1917	
Porto Rico.									
San Juan, **P T W R S**	18 29	66 07	36 F.	82	9	4	54	Nov. 1, 1898	
St. Lucia.[1]									
Castries, **V**	13 50	60 55	56 F.	.....	.....	.....	.....	Aug. 16, 1917	
Santo Domingo.[1]									
Puerto Plata, **V**	19 49	70 43	17 F.	.....	.....	.....	.....	Sept. 16, 1917	
Santo Domingo	18 28	69 53	20 F.	57	.....	.....	.....	Nov. 1, 1898	
Trinidad.[1]									
Port of Spain, **P**	10 35	61 30	54 F.	40	.....	.....	.....	Aug. 7, 1898	
Turks Island.[1]									
Grand Turk, **P V**	21 21	71 07	16 F.	11	6	2	20	July 1, 1900	
Virgin Islands.									
St. Thomas, **V**	18 13	64 29	42 F.	.....	.....	.....	.....	July 1, 1917	

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

TABLE II.—*Changes in Weather Bureau stations during 1917.*

ESTABLISHED.

Stations.	Date established.
REGULAR.	
Greenville, S. C.	Oct. 6
Juneau, Alaska	Jan. 5
Port Arthur, Texas	Feb. 1
SPECIAL METEOROLOGICAL.	
Bluefields, Nicaragua, C. A.	Jan. 1
Castries, St. Lucia, West Indies	Aug. 16
Chico, Cal.	Mar. 1
Guantanamo, Cuba	Feb. 15
Midway Island, Pacific Ocean	May 1
Needles, Cal.	Jan. 26
Puerto Plata, Dominican Republic	Sept. 16
St. Thomas, West Indies	July 1
Santa Rosa, Cal.	Mar. 1
AEROLOGICAL.	
Ellendale, N. Dak.	Oct. 8
CORN AND WHEAT.	
Chillicothe, Mo.	April 1
Coolidge, Kans.	May 16
Cut Bank, Mont.	July 1
Eureka, S. Dak.	Apr. 1
Garden City, Kans.	June 18
Red Cloud, Nebr.	Apr. 1
Thief River Falls, Minn.	Do.
Wheatfield, Ind.	Mar. 1
RIVER.	
Arlington, Ariz.	Jan. 20
Cynthiana, Ky.	July 15
Dos Rios, Cal.	Apr. 1
Elkhorn, Ky.	July 15
Fernbridge, Cal.	Apr. 1
Fort Sumner (near), N. Mex.	Do.
Gallatin, Mo.	June 1
Garberville, Cal.	Apr. 1
Hendricks Bridge, Oreg.	Sept. 1
Index, Tex.	July 16
Island Mountain, Cal.	Apr. 1
Lock No. 2, Ky.	Jan. 15
Lock No. 4, Ky.	Do.
Lock No. 6, Ky.	Do.
McCormick, S. C.	Dec. 15
Marshall, N. C.	Oct. 1
Moorhead, Minn.	Sept. 15
Penrose, N. C.	Oct. 1
Peru, Ill.	Jan. 1
Phoenix, Ariz.	Do.
Ree, N. Dak.	Mar. 16
Sanish, N. Dak.	Do.
Sissonville, W. Va.	July 1
South Fork, Cal.	Apr. 1
Todd, N. C.	July 15
Trenton, Mo.	June 1
Washburn, N. Dak.	Mar. 6
RAINFALL.	
Altapass, N. C.	Oct. 1
Antlers, Okla.	Sept. 15
Auberry, Cal.	Feb. 1
Banners Elk, N. C.	Oct 1
Broken Bow, Okla.	Sept. 15
Cascada, Cal.	Feb. 1
Collins, Miss.	Jan. 1
Dante, Va.	July 15
Gorin, Mo.	Feb. 1
Greenfield, Ohio	Aug. 15
Hot Springs, Ark.	Feb. 1
RAINFALL—continued.	
Jefferson, N. C.	July 15
Laurel, Miss.	Jan. 1
Leakesville, Miss.	Do.
Lenoir, N. C.	Oct. 1
Louisville, Miss.	Jan. 1
Marion, N. C.	Oct. 1
Marysville, Ohio	Jan. 15
Monticello, Miss.	Jan. 1
Montreat, N. C.	Oct. 1
Morganton, N. C.	Do.
Red Lake, Minn.	Apr. 1
Shelbina, Mo.	Jan. 1
Smithville, Okla.	Sept. 15
Smithville, Tex.	July 1
Stevensons Creek, Cal.	Feb. 1
Talbotton, Ga.	May 1
Tuskahoma, Okla.	Sept. 15
Wells River, Vt.	Dec. 1
COTTON AND RAINFALL.	
Americus, Ga.	May 1
Brookhaven, Miss.	Jan. 1
El Dorado, Ark.	Feb. 1
Hazelhurst, Miss.	Jan. 1
Kosciusko, Miss.	Do.
Lake, Miss.	Do.
Warren, Ark.	Feb. 1
Waynesboro, Miss.	Jan. 1
CORN AND WHEAT AND RIVER.	
Brunswick, Mo.	June 1
Vincennes, Ind.	Jan. 1
Warsaw, Mo.	Mar. 2
SPECIAL METEOROLOGICAL AND STORM WARNING.	
Brunswick, Ga.	Apr. 1
CATTLE.	
Carlsbad, N. Mex.	Aug. 6
Carr's Ranch, Ariz.	Aug. 1
Douglas, Ariz.	Do.
Fort Bayard, N. Mex.	Do.
Fort Sumner, N. Mex.	Aug. 6
Grand Canyon, Ariz.	Aug. 1
Mountainair, N. Mex.	Aug. 6
Nogales, Ariz.	Aug. 1
Pinto, Ariz.	Do.
Prescott, Ariz.	Do.
Thatcher, Ariz.	Do.
VESSEL.	
Advance, S. S. (American)	July 25
Alamo, S. S. (American)	June 19
Alliance, S. S. (American)	July 14
Ancon, S. S. (American)	July 25
Gen. Goethals, S. S. (American)	June 1
Gen. Gorgas, S. S. (American)	Do.
Gen. H. F. Hodges, S. S. (American)	Aug. 1
Gen. O. H. Ernst, S. S. (American)	Do.
Rama, S. S. (American)	Sept. 5
Suriname, S. S. (American)	July 17
SNOWFALL.	
Carr's Ranch, Ariz.	Jan. 1
Timber Creek, Wyo.	Do.

TABLE III.—*Changes in Weather Bureau stations during 1917.*

DISCONTINUED.

Stations.	Date discontinued.
SPECIAL METEOROLOGICAL.	
Cape San Antonio, Cuba	Aug. 13
Guantanamo, Cuba	Oct. 1
Port Crescent, Wash	Aug. 14
COTTON.	
Americus, Ga	Apr. 30
El Dorado, Ark	Jan. 31
Greenville, S. C	Oct. 31
Warren, Ark	July 31
CORN AND WHEAT.	
Cut Bank, Mont	Mar. 31
Delphi, Ind	Feb. 28
Hanover, Kans	Dec. 31
Hays, Kans	Do.
Horton, Kans	Do.
Keosauqua, Iowa	June 30
Manhattan, Kans	Dec. 31
New England, N. Dak	Mar. 1
Phillipsburg, Kans	Dec. 31
Pollock, S. Dak	Mar. 31
RIVER.	
Billings, Mont	Mar. 15
Clay Center, Kans	Oct. 31
Island Mountain, Cal	Do.
Kennewick, Wash	Mar. 31
Medora, N. Dak	Mar. 15
Riparia, Wash	Feb. 28
Townsend, Mont	Mar. 15
Warsaw, Ill	Sept. 30
Wells River, Vt	Nov. 30
West Enfield, Me	Aug. 31
RAINFALL.	
Bastrop, Tex	June 30
Fort Loramie, Ohio	Do.
Sissonville, W. Va	Do.
Trenton, Mo	May 31
Woodstock, Ohio	June 30
CORN AND WHEAT AND RAINFALL.	
Brunswick, Mo	May 31
Warsaw, Mo	Mar. 1
FRUIT.	
Clyde, Ohio	Mar. 31
Colfax, Wash	Oct. 31
Kelleys Island, Ohio	Mar. 31
Kennewick, Wash	Oct. 31
Laurier, Wash	Dec. 31
Milton, Oreg	Mar. 31
Roy, Utah	May 31
CATTLE.	
Naravisa, N. Mex	Mar. 31
VESSEL.	
Advance, steamship, American	May 31
Alliance, steamship, American	Do.
Ancon, steamship, American	Do.
Antilles, steamship, American	Do.
Brazos, steamship, American	Apr. 13
Ellis, steamship, Norwegian	May 30
Momus, steamship, American	May 31
Pastores, steamship, American	Do.
San Jacinto, steamship, American	Do.
Tenadores, steamship, American	Do.
SNOWFALL.	
Bellefountain, Oreg	July 31
Butte Falls, Oreg	Do.
Fir Glen, Oreg	Do.
Golden Falls, Oreg	Do.
Hazeldell, Oreg	Do.
Marshall Pass, Colo	Mar. 31
Mountain Home, Oreg	July 31
Ochoco Creek, Oreg	Do.
Pearl, Colo	July 15
Persist, Oreg	May 31
Port, Oreg	July 31
Preston, Oreg	Do.
Russell's Ranch, Wash	Apr. 30
Sierra City, Cal	Aug. 31
Spruce Lodge, Colo	Oct. 31
Summit, Oreg	July 31
Weitchpee, Cal	June 30

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SUNSHINE, 1917.

The following tables give for 155 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.

87050—19——4

Sunshine, 1917.

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.	107	37	140	47	185	50	197	49	180	40	211	46
Amarillo, Tex.	254	81	268	88	323	87	347	88	361	83	398	92
Anniston, Ala.	120	38	173	56	235	63	313	80	339	78	346	80
Asheville, N. C.	140	45	168	55	190	51	268	68	250	57	258	59
Atlanta, Ga.	142	45	200	65	242	65	324	83	362	84	370	86
Atlantic City, N. J.	121	40	158	52	205	55	261	66	263	59	289	65
Augusta, Ga.	134	42	182	59	206	55	301	77	316	74	302	70
Baker, Oreg.	156	54	144	49	216	58	202	50	252	55	342	73
Baltimore, Md.	130	43	160	53	208	56	229	58	249	56	289	65
Bentonville, Ark.	161	52	210	69	222	60	211	54	246	56	355	81
Binghamton, N. Y.	85	29	88	30	131	35	159	40	130	29	208	46
Birmingham, Ala.	120	38	178	58	215	58	298	76	353	82	353	82
Bismarck, N. Dak.	142	51	161	56	243	66	192	47	350	75	345	73
Block Island, R. I.	102	34	118	40	175	47	158	40	186	41	173	38
Boise, Idaho	150	52	175	60	228	62	296	73	335	73	422	91
Boston, Mass.	118	40	171	58	224	61	204	51	214	47	257	56
Buffalo, N. Y.	92	31	116	39	201	54	143	36	181	40	251	55
Burlington, Vt.	92	32	161	55	205	55	179	44	201	44	244	53
Canton, N. Y.	82	29	134	46	195	53	140	35	164	35	253	54
Charles City, Iowa	182	62	170	58	188	51	147	37	263	58	208	45
Charleston, S. C.	179	56	245	79	268	72	340	87	354	82	355	83
Chattanooga, Tenn.	98	31	152	49	195	52	278	71	254	59	265	61
Cheyenne, Wyo.	202	68	181	61	250	67	205	51	185	41	342	76
Chicago, Ill.	190	64	173	58	202	55	212	53	269	60	275	60
Cincinnati, Ohio	145	48	188	62	230	62	239	60	269	61	352	79
Cleveland, Ohio	108	37	99	33	158	43	147	37	191	42	256	56
Columbia, Mo.	184	61	201	67	251	68	243	61	291	66	373	84
Columbus, Ohio	166	55	168	56	202	54	184	46	222	50	287	64
Concordia, Kans.	214	71	219	73	291	78	229	58	263	59	364	81
Dallas, Tex.	172	54	208	67	239	64	293	75	303	70	345	81
Dayton, Ohio	155	52	170	57	206	56	251	63	298	67	317	71
Denver, Colo.	257	85	170	57	251	68	271	68	204	46	379	84
Des Moines, Iowa	198	67	181	61	230	62	169	42	262	58	286	63
Detroit, Mich.	111	38	134	45	167	45	149	37	160	35	216	47
Devils Lake, N. Dak.	108	39	130	45	184	50	131	32	327	69	246	51
Dodge City, Kans.	206	67	195	65	282	76	215	54	240	54	352	79
Drexel, Nebr.	204	69	195	65	246	66	175	44	291	65	343	76
Dubuque, Iowa.	199	67	184	62	225	61	213	53	295	65	245	54
Eastport, Me.	136	48	163	56	216	58	217	53	214	46	219	47
Elkins, W. Va.	106	35	106	35	180	49	199	50	206	46	225	50
Ellendale, N. Dak.												
El Paso, Tex.	183	57	254	82	348	93	354	91	373	87	400	94
Erie, Pa.	51	17	84	28	137	37	160	40	179	40	183	40
Escanaba, Mich.	160	56	179	62	189	51	193	47	248	54	230	49
Eureka, Cal.	178	60	125	42	226	61	217	54	202	45	302	67
Evansville, Ind.	155	51	165	55	232	63	262	66	315	71	353	80
Fort Smith, Ark.	187	60	226	74	248	67	253	65	274	63	343	79
Fort Wayne, Ind.	140	47	148	49	177	48	179	43	194	43	238	53
Fresno, Cal.	179	58	212	70	330	89	340	86	388	88	440	100
Galveston, Tex.	140	43	178	57	199	54	268	69	266	63	379	90
Grand Haven, Mich.	88	30	112	38	180	49	227	56	272	60	232	51
Grand Junction, Colo.	177	58	193	64	272	73	241	61	231	52	422	95
Grand Rapids, Mich.	111	38	143	48	213	57	203	50	249	55	222	48
Green Bay, Wis.	167	58	175	60	198	53	217	53	261	57	272	58
Greenville, S. C.												

Sunshine, 1917—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.	237	51	253	59	241	64	134	39	143	49	135	48	2,165	48
Amarillo, Tex.	399	90	352	84	294	79	312	89	272	88	282	92	3,863	87
Anniston, Ala.	304	69	307	74	248	67	289	82	222	71	187	61	3,083	68
Asheville, N. C.	243	55	257	62	171	46	212	61	184	60	139	46	2,480	55
Atlanta, Ga.	264	60	211	51	207	56	287	82	221	71	185	60	3,015	67
Atlantic City, N. J.	263	58	318	75	229	61	229	66	217	72	139	47	2,692	60
Augusta, Ga.	264	60	246	59	183	49	294	84	240	76	167	54	2,834	63
Baker, Oreg.	408	87	344	79	249	66	258	76	127	44	50	18	2,749	59
Baltimore, Md.	209	46	284	67	212	57	211	61	189	63	135	46	2,507	56
Bentonville, Ark.	323	73	270	65	263	71	239	68	204	66	164	54	2,869	64
Binghamton, N. Y.	246	53	266	62	228	61	101	29	108	36	79	28	1,827	40
Birmingham, Ala.	288	66	289	70	265	71	303	86	214	69	163	53	3,040	67
Bismarck, N. Dak.	393	82	353	80	225	60	170	50	182	65	127	48	2,883	63
Block Island, R. I.	209	46	284	66	217	58	182	53	201	67	109	38	2,116	47
Boise, Idaho	440	94	394	91	294	78	273	80	153	53	75	27	3,235	70
Boston, Mass.	306	66	307	72	267	71	186	54	193	65	112	40	2,558	57
Buffalo, N. Y.	315	68	267	62	234	62	133	39	121	41	74	26	2,138	46
Burlington, Vt.	325	69	258	59	227	60	89	26	93	32	119	43	2,191	48
Canton, N. Y.	276	59	248	57	214	57	72	21	124	43	135	49	2,037	45
Charles City, Iowa.	317	68	260	60	178	48	66	19	116	40	78	28	2,174	48
Charleston, S. C.	348	80	313	76	228	61	274	78	273	87	185	59	3,361	75
Chattanooga, Tenn.	241	55	236	57	226	61	263	75	190	61	145	48	2,542	57
Cheyenne, Wyo.	356	78	287	67	250	67	229	67	201	68	122	42	2,808	63
Chicago, Ill.	327	71	312	73	248	66	112	33	144	49	124	44	2,589	57
Cincinnati, Ohio.	314	69	335	79	303	81	169	49	157	52	118	40	2,817	62
Cleveland, Ohio.	316	69	303	71	286	76	118	34	129	44	77	27	2,187	47
Columbia, Mo.	406	90	322	76	303	81	237	68	167	55	150	51	3,129	69
Columbus, Ohio.	306	67	277	65	260	70	102	30	162	54	111	38	2,445	54
Concordia, Kans.	396	87	312	74	287	77	239	69	201	67	163	56	3,179	71
Dallas, Tex.	316	72	291	70	279	75	307	87	244	78	184	59	3,180	71
Dayton, Ohio.	330	72	330	78	300	80	190	55	160	53	111	38	2,816	62
Denver, Colo.	329	72	286	67	273	73	238	69	212	71	199	68	3,069	69
Des Moines, Iowa.	415	90	300	70	201	54	175	51	156	53	131	46	2,704	60
Detroit, Mich.	253	55	247	58	251	67	93	27	147	50	115	40	2,043	45
Devils Lake, N. Dak.	314	65	307	69	168	45	119	36	135	48	108	41	2,276	49
Dodge City, Kans.	341	76	283	67	278	75	280	81	238	78	199	67	3,109	70
Drexel, Nebr.	400	87	325	76	241	64	201	58	180	61	123	43	2,925	64
Dubuque, Iowa.	331	72	317	74	234	63	131	38	137	46	114	40	2,624	58
Eastport, Me.	290	62	238	55	272	73	186	55	120	42	107	39	2,379	53
Elkins, W. Va.	227	50	275	65	210	56	177	51	165	55	112	38	2,189	48
Ellendale, N. Dak.											82	31		
El Paso, Tex.	338	78	311	75	292	79	342	97	301	95	306	98	3,802	86
Erie, Pa.	312	68	241	56	246	66	81	24	95	32	38	13	1,805	38
Escanaba, Mich.	289	61	245	56	217	58	124	37	124	44	97	36	2,295	51
Eureka, Cal.	247	54	109	25	189	51	144	42	134	45	147	51	2,219	50
Evansville, Ind.	334	74	311	74	309	83	230	66	158	52	163	55	2,987	66
Fort Smith, Ark.	314	71	274	66	260	70	269	77	201	65	178	58	3,030	68
Fort Wayne, Ind.	298	65	321	75	306	82	104	30	151	51	149	52	2,403	53
Fresno, Cal.	421	94	401	95	346	93	341	98	236	77	203	68	3,834	85
Galveston, Tex.	342	80	304	75	290	78	295	83	280	87	131	41	3,072	68
Grand Haven, Mich.	325	70	288	67	222	59	72	21	139	48	55	20	2,214	47
Grand Junction, Colo.	370	82	345	81	291	78	305	88	220	73	203	69	3,272	73
Grand Rapids, Mich.	303	65	294	68	248	66	68	20	153	52	81	29	2,286	50
Green Bay, Wis.	343	73	284	65	225	60	88	26	106	37	97	35	2,432	53
Greenville, S. C.									213	69	195	64		

Sunshine, 1917—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.
Harrisburg, Pa	154	51	185	62	184	49	241	60	232	52	304	68
Hartford, Conn	94	32	133	45	168	45	175	44	153	34	190	42
Hatteras, N. C												
Havre, Mont	124	46	132	46	251	68	155	38	318	67	338	70
Helena, Mont	108	39	131	46	249	67	202	50	256	55	356	75
Honolulu, Hawaii	164	48	158	49	127	34	188	49	208	51	238	59
Houston, Tex	125	39	194	62	176	47	256	66	242	57	353	84
Huron, S. Dak	172	59	196	67	226	61	192	48	358	78	336	73
Indianapolis, Ind	145	48	143	48	184	50	192	48	254	57	319	71
Jacksonville, Fla	211	65	224	72	269	72	289	75	329	78	245	58
Juneau, Alaska	41	18	154	59	129	35	236	55	229	44	120	22
Kalispell, Mont	81	29	102	36	192	52	169	41	249	53	264	55
Kansas City, Mo	202	67	225	75	256	69	186	47	266	60	355	80
Key West, Fla	283	85	252	80	292	78	327	85	331	80	270	66
Knoxville, Tenn	119	38	147	48	215	58	304	77	277	63	270	62
La Crosse, Wis	184	64	194	66	216	58	201	50	325	71	231	50
Lander, Wyo	203	69	178	60	293	79	209	52	205	45	364	79
Lansing, Mich	118	40	150	51	176	47	185	46	217	48	281	61
Lexington, Ky	88	29	99	33	185	50	205	52	183	41	252	57
Little Rock, Ark	115	37	176	57	188	51	228	58	250	58	320	74
Los Angeles, Cal	168	53	202	66	326	88	282	72	246	57	343	79
Louisville, Ky	116	38	155	51	207	56	240	61	268	61	325	73
Ludington, Mich	95	33	116	39	194	52	227	56	313	68	272	59
Lynchburg, Va	125	40	155	51	213	57	242	61	308	70	347	79
Macon, Ga	125	39	186	60	192	52	289	74	308	72	327	76
Madison, Wis	201	69	196	67	216	58	217	54	318	70	256	56
Marquette, Mich	134	48	144	50	176	48	192	47	270	58	216	45
Memphis, Tenn	140	45	197	64	212	57	291	74	334	77	384	89
Meridian, Miss	120	38	174	56	189	51	249	64	310	72	332	78
Miami, Fla	266	80	250	79	266	71	302	79	324	78	240	58
Milwaukee, Wis	188	64	194	66	204	55	208	52	313	69	236	51
Minneapolis, Minn	153	53	149	51	185	50	150	37	311	67	252	54
Mobile, Ala	165	51	213	68	238	64	303	78	280	66	299	70
Modena, Utah	226	74	209	69	303	82	264	67	192	43	424	96
Mount Tamalpais, Cal	239	78	172	57	295	79	288	73	343	78	436	98
New Haven, Conn	124	41	169	57	198	53	226	57	249	56	253	56
New Orleans, La	124	38	183	59	154	41	271	70	264	62	250	59
New York, N. Y	125	42	159	53	201	54	210	52	222	49	285	63
Norfolk, Va	119	39	156	51	195	52	260	66	303	69	293	66
North Head, Wash	52	18	74	25	127	34	92	23	125	27	219	47
North Platte, Nebr	215	72	166	56	233	63	223	56	242	54	372	82
Oklahoma, Okla	192	61	225	73	250	67	241	61	256	59	373	86
Omaha, Nebr	231	77	216	73	254	69	202	51	306	68	334	74
Parkersburg, W. Va	102	34	129	43	175	47	204	51	216	49	258	58
Peoria, Ill	200	67	200	67	246	66	217	54	275	61	336	74
Philadelphia, Pa	132	44	150	50	209	56	245	62	229	51	292	65
Phoenix, Ariz	196	61	228	74	337	91	325	83	391	91	428	100
Pittsburgh, Pa	120	40	146	49	202	54	225	56	191	42	217	48
Pocatello, Idaho	125	43	104	35	202	55	197	49	264	58	389	85
Port Angeles, Wash	74	27	46	16	205	55	165	40	267	57	268	56
Port Arthur, Tex			158	51	197	53	282	73	292	69	370	88
Port Huron, Mich	118	40	163	55	190	51	201	50	249	55	283	62
Portland, Me	152	52	183	62	245	66	206	51	204	45	209	45
Portland, Oreg	87	31	79	27	119	32	84	21	120	26	297	63
Providence, R. I	121	41	163	55	202	54	192	48	207	46	220	48

Sunshine, 1917—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.
Harrisburg, Pa	264	58	291	69	241	65	174	50	191	64	123	42	2,583	58
Hartford, Conn	194	42	264	62	197	53	176	51	195	66	158	56	2,099	48
Hatteras, N. C														
Havre, Mont	428	88	338	76	241	64	127	38	183	66	68	27	2,705	58
Helena, Mont	421	88	345	78	259	69	196	58	194	69	86	32	2,803	60
Honolulu, Hawaii	262	64	270	68	244	66	210	58	182	54	174	52	2,425	54
Houston, Tex	345	80	342	84	292	79	290	82	279	87	121	38	3,016	67
Huron, S. Dak	411	88	336	78	178	47	171	50	123	42	111	40	2,808	61
Indianapolis, Ind	348	77	272	64	275	74	147	43	144	48	110	38	2,532	56
Jacksonville, Fla	266	62	244	60	179	48	205	58	253	79	176	55	2,890	65
Juneau, Alaska	102	19	125	26	130	34	38	12	28	12	45	22	1,378	30
Kalispell, Mont	412	85	340	77	258	68	199	59	83	30	57	22	2,405	51
Kansas City, Mo	374	83	296	70	263	71	241	70	189	63	144	49	2,998	67
Key West, Fla	319	76	270	67	214	58	198	55	219	67	216	66	3,190	72
Knoxville, Tenn	263	59	239	57	241	64	225	64	179	58	133	44	2,611	58
La Crosse, Wis	326	70	302	70	214	57	108	32	117	40	101	37	2,519	55
Lander, Wyo	380	82	357	83	284	76	246	72	175	60	120	43	3,014	67
Lansing, Mich	318	69	289	67	260	69	128	38	157	54	128	46	2,407	53
Lexington, Ky	218	48	244	58	233	62	161	46	114	38	97	33	2,080	46
Little Rock, Ark	283	64	265	64	251	68	253	72	177	57	154	50	2,660	59
Los Angeles, Cal	354	81	338	81	334	90	239	68	237	76	270	88	3,337	75
Louisville, Ky	273	61	270	64	291	78	214	62	162	54	122	41	2,641	58
Ludington, Mich	331	71	303	70	236	63	89	26	126	43	53	19	2,354	50
Lynchburg, Va	315	71	349	83	255	69	246	71	180	59	110	37	2,845	62
Macon, Ga	319	73	291	70	212	57	286	81	247	79	148	48	2,930	65
Madison, Wis	345	74	301	70	239	64	104	31	118	40	107	38	2,619	58
Marquette, Mich	274	57	238	54	143	38	39	11	70	25	87	33	1,982	43
Memphis, Tenn	323	73	318	76	276	74	293	84	147	48	162	53	3,078	68
Meridian, Miss	256	59	220	53	213	57	293	83	218	69	143	46	2,717	60
Miami, Fla	322	76	260	64	196	53	217	61	228	70	221	68	3,094	70
Milwaukee, Wis	291	63	263	61	229	61	97	28	140	48	117	42	2,479	55
Minneapolis, Minn	340	72	315	72	216	58	115	34	122	43	118	43	2,427	53
Mobile, Ala	274	63	234	57	189	51	247	70	229	72	143	45	2,812	63
Modena, Utah	314	70	305	72	295	79	333	96	215	71	219	74	3,296	74
Mount Tamalpais, Cal	422	94	390	92	306	82	308	89	169	56	204	69	3,573	79
New Haven, Conn	258	56	310	73	261	70	196	57	203	68	166	58	2,613	58
New Orleans, La	220	51	208	51	198	54	298	84	259	81	150	47	2,579	58
New York, N. Y	227	50	324	76	234	63	201	58	213	72	186	65	2,588	58
Norfolk, Va	244	55	299	71	171	46	264	76	183	60	124	41	2,610	58
North Head, Wash	260	55	233	53	137	36	164	48	113	40	19	7	1,614	34
North Platte, Nebr	414	90	329	77	274	73	241	70	217	73	131	46	3,058	68
Oklahoma, Okla	342	78	265	64	276	74	285	81	233	75	177	58	3,116	70
Omaha, Nebr	396	86	307	72	251	67	203	59	173	58	116	40	2,990	66
Parkersburg, W. Va	258	57	249	59	232	62	156	45	135	45	104	35	2,218	49
Peoria, Ill	386	84	332	78	277	74	159	46	171	58	154	54	2,954	65
Philadelphia, Pa	246	54	302	71	223	60	212	62	198	66	140	48	2,579	57
Phoenix, Ariz	359	82	384	93	310	84	342	97	296	94	291	94	3,888	87
Pittsburgh, Pa	290	63	243	57	270	72	159	46	148	50	96	33	2,306	51
Pocatello, Idaho	387	83	369	86	262	70	255	75	142	49	98	35	2,797	60
Port Angeles, Wash	378	78	352	80	162	43	164	49	46	16	15	6	2,141	44
Port Arthur, Tex	344	80	306	75	282	76	288	81	250	77	140	44		
Port Huron, Mich	329	71	318	74	290	77	126	37	135	46	120	43	2,519	55
Portland, Me	286	61	230	53	259	69	177	52	175	61	148	53	2,474	56
Portland, Oreg	381	80	317	72	139	37	202	60	132	46	10	4	1,966	42
Providence, R. I	246	53	272	63	237	63	201	59	214	73	160	56	2,435	55

Sunshine, 1917—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.
Pueblo, Colo	268	88	249	82	318	86	287	72	243	55	368	83
Raleigh, N. C	132	42	182	60	192	52	268	68	286	65	273	62
Rapid City, S. Dak	191	66	140	48	219	59	196	48	218	48	342	74
Reading, Pa	126	42	142	47	174	47	210	53	192	43	235	52
Richmond, Va	147	48	133	44	204	55	231	58	239	54	243	55
Rochester, N. Y	110	38	115	39	186	50	203	50	246	54	259	56
Roswell, N. Mex	225	71	266	86	338	91	370	95	343	80	411	96
Sacramento, Cal	180	59	180	60	301	81	301	76	349	79	436	98
Saginaw, Mich	130	45	142	48	179	48	183	46	244	54	263	57
St. Joseph, Mo	200	67	245	82	268	72	218	55	307	69	380	85
St. Louis, Mo	205	68	150	50	204	62	254	64	314	71	364	82
St. Paul, Minn	153	53	165	56	185	50	176	43	319	69	266	57
Salt Lake City, Utah	169	57	118	39	215	58	229	57	246	55	385	85
San Antonio, Tex	176	54	224	71	229	62	283	73	280	66	367	88
San Diego, Cal	166	52	221	72	315	85	260	67	237	55	299	70
Sandy Hook, N. J	120	40	154	52	209	56	238	60	237	53	298	66
San Francisco, Cal	217	71	182	60	310	84	330	83	331	75	400	90
San Jose, Cal	204	66	155	51	312	84	301	76	290	66	421	96
San Juan, P. R	187	54	205	63	240	64	190	50	260	65	245	62
San Luis Obispo, Cal	189	60	166	54	319	86	318	81	291	67	384	88
Santa Fe, N. Mex	196	63	229	75	324	87	294	75	289	66	382	87
Sault Ste. Marie, Mich	69	24	165	57	164	44	185	46	202	44	210	45
Savannah, Ga	152	47	213	69	244	66	317	82	307	32	316	74
Seattle, Wash	68	24	28	10	134	36	138	34	209	44	252	53
Sheridan, Wyo	111	39	96	33	255	69	206	51	212	46	287	61
Sioux City, Iowa	195	66	174	59	196	53	159	40	266	59	305	67
Spokane, Wash	94	34	43	15	129	35	151	37	242	51	357	75
Springfield, Ill	211	70	175	58	247	67	227	57	272	61	343	76
Springfield, Mo	161	52	190	63	232	62	231	59	257	58	340	77
Tacoma, Wash	36	13	25	9	125	34	92	23	164	35	232	49
Tampa, Fla	245	75	257	82	311	84	324	84	365	87	293	70
Terre Haute, Ind	157	52	147	49	206	56	194	49	228	51	287	64
Toledo, Ohio	117	40	120	40	158	43	162	40	178	39	249	55
Tonopah, Nev	229	75	229	76	346	93	338	85	317	72	434	98
Topeka, Kans	222	73	264	88	290	78	227	57	258	58	.....	.....
Trenton, N. J	132	44	146	49	215	58	244	61	226	51	257	57
Vicksburg, Miss	112	35	178	57	200	54	229	59	312	73	374	88
Walla Walla, Wash	78	28	86	30	113	31	145	36	269	58	331	70
Washington, D. C	139	46	164	55	219	59	238	60	272	61	312	70
Wichita, Kans	200	65	206	68	272	73	210	53	272	62	394	89
Williston, N. Dak	152	55	184	64	238	64	202	49	370	79	349	73
Wilmington, N. C	165	52	203	66	237	64	275	70	314	73	286	66
Winnemucca, Nev	205	69	152	51	239	64	280	70	254	57	432	96
Wytheville, Va	139	45	117	38	206	55	253	64	247	56	259	59
Yankton, S. Dak	162	55	147	50	205	55	134	33	255	56	264	58
Yuma, Ariz	202	64	268	87	367	99	369	95	406	94	428	100

Sunshine, 1917—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.
Pueblo, Colo	322	71	287	68	286	77	260	75	224	74	210	71	3,322	75
Raleigh, N. C	222	50	254	61	169	45	269	77	202	66	119	39	2,566	57
Rapid City, S. Dak	400	85	322	74	261	70	240	70	204	71	111	40	2,845	63
Reading, Pa	207	46	271	64	218	58	164	47	186	62	121	42	2,246	50
Richmond, Va	164	36	282	67	189	51	238	69	158	52	125	42	2,354	53
Rochester, N. Y	303	65	291	67	271	72	103	30	117	40	91	32	2,294	49
Roswell, N. Mex	376	86	338	82	290	78	338	96	255	81	291	94	3,841	86
Sacramento, Cal	420	93	383	90	321	86	302	87	201	67	140	48	3,515	77
Saginaw, Mich	276	59	268	62	229	61	82	24	131	45	76	27	2,203	48
St. Joseph, Mo	417	92	344	81	275	74	208	60	165	55	108	37	3,134	69
St. Louis, Mo	357	79	289	68	270	72	189	55	144	48	122	41	2,861	63
St. Paul, Minn	317	67	289	66	209	56	99	29	114	40	105	38	2,396	52
Salt Lake City, Utah	351	77	366	86	286	76	277	80	148	50	99	35	2,889	63
San Antonio, Tex	376	88	371	91	303	82	309	87	264	82	181	57	3,364	75
San Diego, Cal	286	65	315	76	300	81	256	73	256	82	265	85	3,178	72
Sandy Hook, N. J	272	60	321	76	261	70	247	72	225	75	160	55	2,742	61
San Francisco, Cal	361	80	193	46	262	70	199	57	162	53	200	67	3,146	70
San Jose, Cal	395	88	309	74	310	83	244	70	191	62	164	55	3,296	73
San Juan, P. R	279	69	267	68	235	64	262	72	213	63	220	64	2,804	63
San Luis Obispo, Cal	346	79	278	67	292	78	220	63	210	68	214	70	3,226	72
Santa Fe, N. Mex	308	69	303	72	258	69	312	89	254	82	278	92	3,427	77
Sault Ste. Marie, Mich	225	47	198	45	195	52	87	26	118	41	75	28	1,894	42
Savannah, Ga	272	63	227	55	163	44	258	73	260	82	157	50	2,885	65
Seattle, Wash	360	75	333	75	136	36	95	28	49	18	25	9	1,827	37
Sheridan, Wyo	340	72	273	63	229	61	164	48	166	58	41	15	2,379	51
Sioux City, Iowa	403	87	332	77	201	54	184	54	162	55	128	45	2,704	60
Spokane, Wash	414	86	398	90	275	73	239	71	91	33	51	20	2,484	52
Springfield, Ill	383	84	289	68	275	74	170	49	158	53	138	48	2,890	64
Springfield, Mo	305	68	248	59	253	68	226	65	169	55	150	50	2,762	61
Tacoma, Wash	339	71	311	71	122	32	92	27	72	26	25	9	1,637	33
Tampa, Fla	321	75	254	62	230	62	259	73	264	82	198	61	3,321	75
Terre Haute, Ind	318	70	302	71	283	76	173	50	163	54	112	38	2,570	57
Toledo, Ohio	324	70	280	65	266	71	105	31	146	50	114	40	2,219	49
Tonopah, Nev	397	88	366	87	349	94	338	97	234	77	237	80	3,813	85
Topeka, Kans														
Trenton, N. J	217	48	286	67	224	60	206	60	222	74	154	53	2,528	57
Vicksburg, Miss	310	71	290	70	261	70	296	84	232	74	133	42	2,925	65
Walla Walla, Wash	428	90	417	95	283	75	266	78	134	47	38	14	2,589	54
Washington, D. C	255	56	332	78	235	63	221	64	191	63	130	44	2,708	60
Wichita, Kans	405	90	321	76	326	87	292	84	226	74	178	60	3,301	73
Williston, N. Dak	402	83	372	84	245	65	165	49	186	67	64	24	2,929	63
Wilmington, N. C	252	57	277	67	193	52	273	78	250	80	151	49	2,876	64
Winnemucca, Nev	422	92	381	89	332	89	329	96	204	69	190	66	3,420	76
Wytheville, Va	210	47	261	62	182	49	230	66	164	54	145	48	2,412	54
Yankton, S. Dak	361	78	282	66	146	39	122	36	123	42	80	28	2,279	50
Yuma, Ariz	356	81	382	92	322	87	341	97	298	95	285	92	4,025	90

EXCESSIVE RAINFALL, 1917.

The following table contains reports of excessive rainfall for the calendar year 1917. Similar records for the years 1896 to 1916, inclusive, have been published in the appropriate Annual Reports of the Chief of the Weather Bureau. The published data prior to 1896 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.

The following table shows the accumulated amounts of precipitation for each 5 minutes during all storms of 1917, in which the rate of fall equaled or exceeded 0.25 inch in any 5-minute period or 0.80 inch in one hour, at all stations of the Weather Bureau furnished with self-registering gages, except that along the South Atlantic coast and in the Gulf region at stations having normally heavy falls only data for the more important storms are included, these stations being designated with reference mark and footnote.

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.:																			
June 17	7.48 a. m.	D.N. p. m.	3.01	1.59 p. m.	2.18 p. m.	1.45	0.08	0.27	0.39	0.53									
June 30	[1] 8.40 p. m.	8.10 a. m.	1.31	1.01 a. m.	1.34 a. m.	0.42	.09	.23	.29	.33	0.42	0.48	0.55						
Aug. 10	D.N. a. m.	6.45 a. m.	.59	4.24 a. m.	4.43 a. m.	0.03	.20	.35	.42	.52									
Aug. 10	8.30 a. m.	6.15 p. m.	1.96	3.16 p. m.	3.56 p. m.	0.92	.05	.12	.23	.34	.46	.54	.65	0.71					
Portland, Me.:																			
June 3	10.46 a. m.	12.05 p. m.	.81	11.17 a. m.	11.47 a. m.	.11	.08	.30	.44	.49	.62	.67							
July 24	2.07 a. m.	3.35 a. m.	.66	2.56 a. m.	3.14 a. m.	.03	.15	.23	.35	.46									
July 27	2.19 p. m.	2.57 p. m.	.32	2.35 p. m.	2.45 p. m.	.01	.13	.30											
Aug. 17	4.30 a. m.	11.38 a. m.	1.97	8.37 a. m.	9.23 a. m.	.66	.05	.10	.15	.25	.34	.46	.59	.79	0.93	0.95			
Concord, N. H.:																			
June 3	8.41 a. m.	10.20 a. m.	.64	8.47 a. m.	9.01 a. m.	T.	.33	.43	.51										
Aug. 9	9.35 a. m.	10.40 a. m.	.64	9.53 a. m.	10.13 a. m.	T.	.09	.18	.43	.64									
Aug. 9	11.47 a. m.	12.10 p. m.	.59	11.50 a. m.	12.10 p. m.	.03	.09	.31	.47										
Aug. 10	1.53 a. m.	2.05 a. m.	.48	1.53 a. m.	2.05 a. m.	0	.19	.43	.48										
Burlington, Vt.[2]																			
Northfield, Vt.:																			
July 22	6.58 p. m.	7.40 p. m.	.90	7.08 p. m.	7.38 p. m.	.02	.12	.21	.37	.55	.71	.88							
July 30	D.N. a. m.	D.N. a. m.	.60	1.00 a. m.	1.14 a. m.	.03	.05	.22	.45										
Aug. 6	9.35 p. m.	10.10 p. m.	.37	9.42 p. m.	9.54 p. m.	T.	.16	.31	.37										
Aug. 17	D.N. a. m.	D.N. a. m.	.32	5.38 a. m.	5.48 a. m.	T.	.22	.31											
Boston, Mass.:																			
July 27	3.18 p. m.	3.50 p. m.	.57	3.27 p. m.	3.42 p. m.	T.	.25	.33	.57										
Aug. 10[3]	2.00 a. m.	10.00 a. m.	2.97	4.57 a. m.	5.47 a. m.	.07	.16	.20	.28	.30	.30	.41	.51	.57	.70	.72			
				5.47 a. m.	6.37 a. m.	.....	.73	.79	.82	.99	1.28	1.41	1.50	1.59	1.65	1.73			
				6.37 a. m.	7.23 a. m.	.....	1.31	1.87	1.94	2.01	2.08	2.19	2.33	2.44	2.57				
Aug. 17	5.25 p. m.	8.20 p. m.	1.20	5.55 p. m.	6.14 p. m.	T.	.50	.73	.87	.92									
Oct. 30	11.35 a. m.	5.31 p. m.	1.61	4.08 p. m.	4.23 p. m.	1.01	.13	.34	.41										
Nantucket, Mass.:																			
May 1	2.21 p. m.	[4] 2.30 a. m.	.75	11.17 p. m.	11.39 p. m.	.11	.16	.27	.35	.42	.46								
June 12	[1] 11.20 p. m.	3.50 a. m.	1.66	12.54 a. m.	1.45 a. m.	.12	.09	.27	.68	.89	1.00	1.13	1.20	1.31	1.40	1.46	1.50		
Block Island, R. I.:																			
July 19	10.32 a. m.	11.55 a. m.	1.22	10.41 a. m.	11.22 a. m.	.05	.10	.17	.38	.50	.79	.94	.96	1.09	1.11				
Oct. 30	11.25 a. m.	4.45 p. m.	1.72	12.19 p. m.	1.22 p. m.	.17	.09	.17	.20	.24	.29	.37	.46	.53	.60	.77	.93	1.05	
Providence, R. I.:																			
June 10	8.00 a. m.	12.20 p. m.	.91	9.13 a. m.	9.47 a. m.	.12	.05	.11	.20	.33	.49	.59	.66						
June 11	6.28 p. m.	8.20 p. m.	.58	7.35 p. m.	8.00 p. m.	.05	.06	.25	.39	.46	.52								
Aug. 10	D.N. a. m.	9.48 a. m.	2.23	4.15 a. m.	4.35 a. m.	.11	.20	.37	.45	.52									
Aug. 10	D.N. a. m.	9.48 a. m.	2.23	5.19 a. m.	5.49 a. m.	.76	.10	.20	.27	.40	.47	.52							
Aug. 17	8.50 a. m.	10.32 a. m.	.83	9.40 a. m.	10.05 a. m.	.07	.07	.20	.44	.62	.69								
Aug. 30	6.10 p. m.	10.10 p. m.	1.09	6.31 p. m.	7.01 p. m.	.02	.05	.10	.13	.31	.46	.60							
Hartford, Conn.:																			
July 2	4.15 p. m.	4.42 p. m.	.56	4.26 p. m.	4.37 p. m.	.03	.20	.52	.53										
July 24	5.57 p. m.	7.45 p. m.	1.41	6.02 p. m.	6.45 p. m.	.01	.09	.28	.50	.79	1.02	1.15	1.22	1.28	1.33				
Aug. 21	7.20 p. m.	9.10 p. m.	2.68	7.49 p. m.	8.40 p. m.	.01	.27	.76	1.18	1.57	1.88	2.11	2.28	2.45	2.52	2.58	2.64		
Aug. 29	7.30 p. m.	D.N. p. m.	2.19	8.02 p. m.	8.52 p. m.	.01	.18	.23	.35	.48	.57	.61	.63	.64	.77	.85			
				8.52 p. m.	9.42 p. m.	.....	1.01	1.08	1.19	1.20	1.21	1.24	1.34	1.47	1.49	1.50			
				9.42 p. m.	10.17 p. m.	.....	1.52	1.57	1.70	1.78	1.95	1.98	2.09						
Aug. 30	3.00 p. m.	5.25 p. m.	1.41	4.03 p. m.	4.47 p. m.	.03	.28	.44	.50	.57	.61	.75	1.08	1.28	1.37				
New Haven, Conn.:																			
June 26	D.N. p. m.	[4] D.N. a. m.	.86	11.41 p. m.	11.51 p. m.	.01	.21	.30											
June 29	2.54 p. m.	4.15 p. m.	.47	3.29 p. m.	3.46 p. m.	.02	.08	.17	.36	.41									
July 24	7.13 p. m.	8.30 p. m.	.68	7.22 p. m.	7.51 p. m.	.01	.20	.32	.37	.41	.51	.58							
July 27	3.49 p. m.	4.45 p. m.	.41	3.58 p. m.	4.06 p. m.	.01	.16	.34											

[1] On previous date. [2] No excessive precipitation. [3] Record defective. [4] On following date.

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.																				
Albany, N. Y.:																				
July 15	3.41 p. m.	4.55 p. m.	0.48	3.41 p. m.	3.49 p. m.	0	0.31	0.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Binghamton, N. Y.:																				
June 6–7	9.52 p. m.	1.00 a. m.	1.81	10.49 p. m.	12.18 a. m.	.07	.11	0.23	0.29	0.36	0.43	0.44	0.45	0.47	0.54	0.75	0.96	1.25	1.69	.....
June 20	3.28 p. m.	4.20 p. m.	.45	3.28 p. m.	3.36 p. m.	0	.27	.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 20	5.25 p. m.	6.10 p. m.	.70	5.39 p. m.	6.00 p. m.	.05	.30	.39	.47	.63	.65	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 2	2.08 p. m.	3.40 p. m.	.59	2.27 p. m.	2.42 p. m.	.01	.29	.47	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 8	4.45 p. m.	[1] 5.00 a. m.	2.73	8.49 p. m.	10.14 p. m.	.43	.09	.18	.56	.78	.97	1.10	1.22	1.24	1.26	1.29	1.36	1.86	1.99	.....
Aug. 23	4.45 p. m.	D. N. p. m.	.99	9.13 p. m.	9.37 p. m.	.32	.12	.19	.25	.40	.46	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 28	7.55 p. m.	10.15 p. m.	.60	8.34 p. m.	8.44 p. m.	.15	.23	.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York, N. Y.:																				
June 14	1.54 p. m.	6.55 p. m.	3.86	2.03 p. m.	4.03 p. m.	T.	.05	.10	.17	.30	.51	.83	1.12	1.48	1.70	1.93	2.00	2.34	3.05	3.50
July 12	9.00 p. m.	10.15 p. m.	1.05	9.32 p. m.	9.57 p. m.	.05	.21	.54	.76	.90	.99	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 22	3.50 p. m.	4.50 p. m.	1.65	3.55 p. m.	4.25 p. m.	T.	.19	.39	.84	1.33	1.51	1.60	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 24	2.38 p. m.	3.55 p. m.	.48	2.42 p. m.	2.47 p. m.	T.	.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 1	6.35 a. m.	1.20 p. m.	1.72	9.45 a. m.	11.05 a. m.	.46	.06	.14	.20	.33	.45	.53	.61	.66	.69	.73	.81	1.14	.....	.....
Dec. 8 [2]	10.17 a. m.	8.03 p. m.	1.41	5.52 p. m.	6.42 p. m.	.32	.06	.12	.21	.31	.38	.47	.57	.67	.79	.91	.....	.....	.....	.....
Harrisburg, Pa.:																				
June 2	5.15 p. m.	5.50 p. m.	.57	5.23 p. m.	5.47 p. m.	.01	.08	.28	.44	.51	.56	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 5	2.42 p. m.	3.45 p. m.	.64	3.14 p. m.	3.35 p. m.	.03	.05	.15	.31	.59	.61	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 16	6.43 p. m.	9.45 p. m.	.80	8.00 p. m.	8.20 p. m.	.07	.07	.15	.28	.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 9	5.30 p. m.	7.20 p. m.	.63	5.34 p. m.	5.50 p. m.	.01	.17	.41	.48	.53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 23	10.30 a. m.	7.58 p. m.	2.84	3.38 p. m.	4.15 p. m.	.59	.05	.14	.35	.46	.54	.70	.81	.86	.....	.....	.....	.....	.....	.....
Aug. 23	10.30 a. m.	7.58 p. m.	2.84	5.47 p. m.	6.13 p. m.	2.01	.13	.24	.42	.52	.64	.67	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 2	5.09 p. m.	5.40 p. m.	.92	5.16 p. m.	5.34 p. m.	.01	.31	.53	.80	.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 27	6.10 p. m.	7.35 p. m.	.56	6.44 p. m.	7.08 p. m.	.07	.10	.20	.36	.44	.48	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 30	[3] D. N. p. m.	D. N. a. m.	1.00	12.27 a. m.	1.14 a. m.	.12	.08	.14	.23	.33	.38	.46	.58	.64	.74	.79	.....	.....	.....	.....
Philadelphia, Pa.:																				
May 28	8.20 a. m.	11.50 a. m.	.66	11.27 a. m.	11.37 a. m.	.29	.29	.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 10	3.20 p. m.	[1] 4.20 p. m.	2.03	4.49 p. m.	6.06 p. m.	.17	.13	.24	.32	.36	.38	.40	.46	.61	.68	.74	.87	1.12	.....	.....
Aug. 16	5.35 p. m.	7.15 p. m.	2.20	5.52 p. m.	6.23 p. m.	.09	.41	.71	1.08	1.31	1.80	2.07	2.09	.....	.....	.....	.....	.....	.....	.....
Oct. 27	8.25 p. m.	11.20 p. m.	.70	10.30 p. m.	10.37 p. m.	.29	.22	.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reading, Pa.:																				
July 14	4.45 p. m.	7.42 p. m.	1.07	4.55 p. m.	5.24 p. m.	.01	.13	.14	.19	.26	.47	.72	.....	.....	.....	.....	.....	.....	.....	.....
July 14	4.45 p. m.	7.42 p. m.	1.07	5.54 p. m.	6.00 p. m.	.75	.29	.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 9	7.14 p. m.	10.40 p. m.	.67	7.18 p. m.	7.45 p. m.	.01	.10	.26	.35	.43	.50	.54	.....	.....	.....	.....	.....	.....	.....	.....
Scranton, Pa.:																				
June 14	10.50 a. m.	11.29 a. m.	.48	10.50 a. m.	11.11 a. m.	0	.06	.25	.38	.42	.47	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 23	11.10 p. m.	[1] D. N. a. m.	.77	11.10 p. m.	11.32 p. m.	0	.09	.31	.37	.44	.46	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 26	9.25 p. m.	[1] D. N. a. m.	.62	10.08 p. m.	10.21 p. m.	.01	.16	.34	.39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 29	4.56 p. m.	6.04 p. m.	.62	4.56 p. m.	5.10 p. m.	0	.16	.31	.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Atlantic City, N. J.:																				
May 1	4.49 p. m.	5.50 p. m.	.33	4.55 p. m.	5.00 p. m.	.01	.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 1	7.20 a. m.	8.40 a. m.	.41	8.06 a. m.	8.19 a. m.	.04	.14	.26	.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 10	10.14 p. m.	[1] D. N. a. m.	1.51	10.36 p. m.	11.08 p. m.	.02	.05	.14	.28	.50	.90	1.16	1.22	.....	.....	.....	.....	.....	.....	.....
July 17	1.42 p. m.	3.56 p. m.	1.65	1.55 p. m.	2.39 p. m.	.02	.11	.31	.62	.92	1.01	1.13	1.35	1.46	1.50	.....	.....	.....	.....	.....
Oct. 24	1.30 a. m.	5.30 a. m.	1.48	7.28 a. m.	7.47 a. m.	.49	.15	.36	.54	.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sandy Hook, N. J.:																				
May 23	2.25 a. m.	4.30 a. m.	.57	2.42 a. m.	2.52 a. m.	.10	.24	.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 11	5.20 a. m.	6.15 a. m.	.71	5.32 a. m.	5.51 a. m.	.05	.10	.29	.48	.58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 14	3.43 p. m.	7.10 p. m.	.90	4.02 p. m.	4.36 p. m.	.06	.06	.16	.36	.44	.55	.63	.67	.....	.....	.....	.....	.....	.....	.....
June 29	7.12 p. m.	8.40 p. m.	.78	7.21 p. m.	7.47 p. m.	.01	.27	.39	.50	.60	.65	.69	.....	.....	.....	.....	.....	.....	.....	.....
July 3	10.00 a. m.	3.25 p. m.	2.12	12.48 p. m.	2.01 p. m.	.33	.17	.37	.59	.72	.82	.90	.96	1.05	1.14	1.19	1.24	1.46	.....	.....
July 11	10.28 a. m.	12.25 p. m.	.62	10.47 a. m.	11.06 a. m.	.07	.14	.28	.36	.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 14	6.37 p. m.	8.12 p. m.	.72	7.13 p. m.	7.31 p. m.	.05	.14	.26	.42	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 24	8.03 p. m.	9.15 p. m.	.52	8.18 p. m.	8.32 p. m.	.03	.08	.19	.44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 8	1.15 p. m.	7.20 p. m.	1.25	6.29 p. m.	6.46 p. m.	.73	.05	.17	.33	.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trenton, N. J.:																				
June 14 [2]	3.07 p. m.	6.30 p. m.	1.02	3.16 p. m.	3.45 p. m.	.01	.....	.....	.....	.....	.....	.50	.....	.....	.....	.....	.....	.....	.....	.....
July 12	10.16 a. m.	10.53 a. m.	.49	10.28 a. m.	10.52 a. m.	.03	.05	.13	.23	.35	.46	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 16	5.18 p. m.	6.20 p. m.	.94	5.24 p. m.	5.47 p. m.	.01	.15	.40	.79	.83	.92	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 1	D. N. a. m.	8.55 a. m.	1.60	7.58 a. m.	8.44 a. m.	.60	.06	.10	.28	.50	.66	.75	.86	.90	.96	.99	.....	.....	.....	.....
Baltimore, Md.:																				
May 1	1.30 p. m.	1.50 p. m.	.49	1.32 p. m.	1.43 p. m.	.02	.20	.45	.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 28	3.13 p. m.	3.50 p. m.	.40	3.13 p. m.	3.24 p. m.	0	.12	.39	.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 5	7.05 p. m.	8.45 p. m.	.72	8.16 p. m.	8.30 p. m.	.27	.12	.32	.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 8	5.58 p. m.	9.30 p. m.	.97	6.04 p. m.	6.29 p. m.	.01	.13	.37	.58	.69	.74	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 14	1.30 p. m.	5.15 p. m.	.60	1.34 p. m.	1.47 p. m.	.01	.20	.30	.34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 2	5.25 p. m.	[1] D. N. a. m.	1.23	5.44 p. m.	6.02 p. m.	.12	.13	.37	.55	.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 10	3.54 p. m.	8.10 p. m.	1.09	4.24 p. m.	5.06 p. m.	.04	.06	.19	.36	.72	1.00	1.22	1.34	1.42	1.46	.....	.....	.....	.....	.....
July 12	4.15 p. m.	6.15 p. m.	.67	4.24 p. m.	4.35 p. m.	.01	.16	.46	.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 17	4.30 p. m.	5.25 p. m.	.47	4.48 p. m.	5.11 p. m.	.01	.10	.23	.29	.39	.45	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 1	3.00 a. m.	4.20 a. m.	.70	3.02 a. m.	3.21 a. m.	.01	.12	.38	.58	.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C.:																				
June 6	6.10 p. m.	7.50 p. m.	1.32	6.20 p. m.	7.10 p. m.	.01	.15	.34	.58	.76	.95	1.04	1.09	1.13	1.18	1.25	.....	.....	.....	.....
June 14	12.31 p. m.	4.50 p. m.	2.69	12.41 p. m.	1.31 p. m.	.02	.29	.52	.73	.93	1.22	1.64	2.00	2.26	2.38	2.44	.....	.....	.....	.....
June 27	2.52 p. m.	3.10 p. m.	.51	2.52 p. m.	3.01 p. m.	0	.20	.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 2	5.45 p. m.	9.20 p. m.	1.97	7.19 p. m.	8.24 p. m.	.36	.11	.22	.38	.42	.53	.58	.61	.77	.85	.99	1.27	1.53	.....	.....
July 14	4.30 p. m.	5.50 p. m.	1.12	4.44 p. m.	5.00 p. m.	.03	.13	.54	1.07	1.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 16	5.40 p. m.	7.30 p. m.	.54	6.25 p. m.	6.41 p. m.	.05	.10	.21	.42	.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 25	10.38 a. m.	1.55 p. m.	3.23	10.56 a. m.	11.13 a. m.	.02	.18	.45	.70	.79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 25	10.38 a. m.	1.55 p. m.	3.23	12.23 p. m.	1.25 p. m.	1.17	.19	.32	.54	.59	.61	.68	.83	1.01	1.30	1.49	1.89	2.04	.....	.....
Oct. 27	6.38 p. m.	8.10 p. m.	.90	7.03 p. m.	7.24 p. m.	.03	.25	.31	.35	.45	.47	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cape Henry, Va.:																				
May 27	5.03 a. m.	5.45 a. m.	.44	5.05 a. m.	5.17 a. m.	.01	.12	.29	.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 3	[3] 11.50 p. m.	3.00 a. m.	.91	2.28 a. m.	2.39 a. m.	.32	.47	.56	.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 10	12.35 a. m.	4.45 a. m.	.65	1.09 a. m.	1.24 a. m.	.06	.12	.27	.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 27	10.45 p. m.	11.40 p. m.	.65	10.52 p. m.	11.23 p. m.	.01	.14	.18	.27	.39	.50	.57	.....	.....	.....	.....	.....	.....	.....	.....
July 8	5.30 a. m.	6.30 a. m.	.44	5.45 a. m.	6.00 a. m.	.04	.15	.27	.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 18	10.25 a. m.	1.30 a. m.	.51	10.51 a. m.	10.54 a. m.	.02	.26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 24	2.30 a. m.	5.45 a. m.	2.19	2.33 a. m.	4.08 a. m.	.01	.35	.68	.89	.90	.93	.96	.97	1.01	1.14	1.31	1.49	1.80	2.10	.....
Aug. 31	1.00 p. m.	3.45 p. m.	1.31	1.12 p. m.	1.50 p. m.	.02	.05	.10	.24	.34	.46	.64	.80	.94	.....	.....	.....	.....	.....	.....

[1] On following date. [2] Record defective. [3] On previous date.

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.																				
Lynchburg, Va.:																				
June 2	2.50 p. m.	3.25 p. m.	0.40	3.10 p. m.	3.25 p. m.	0.02	0.07	0.22	0.38											
June 10	4.30 p. m.	5.40 p. m.	.46	4.46 p. m.	5.02 p. m.	.03	.13	.26	.38	0.41										
June 25–26	11.30 p. m.	12.10 a. m.	.49	11.46 p. m.	12.03 a. m.	.01	.26	.34	.45	.48										
June 28	4.40 p. m.	5.35 p. m.	1.79	4.45 p. m.	5.12 p. m.	.01	.28	.66	1.19	1.56	1.67	1.73								
July 16	3.20 p. m.	4.20 p. m.	.33	3.40 p. m.	3.48 p. m.	.01	.25	.30												
July 24	5.00 p. m.	6.00 p. m.	1.00	5.08 p. m.	5.29 p. m.	.01	.10	.37	.68	.80	.81									
Aug. 16	6.50 p. m.	8.05 p. m.	.89	7.02 p. m.	7.32 p. m.	.01	.21	.41	.55	.74	.81	.86								
Aug. 30	12.25 p. m.	1.30 p. m.	1.19	12.28 p. m.	1.02 p. m.	.01	.20	.28	.34	.64	1.01	1.13	1.16							
Sept. 3	4.50 p. m.	6.20 p. m.	.84	5.04 p. m.	5.36 p. m.	.02	.29	.50	.55	.62	.68	.74	.78							
Oct. 29	9.05 p. m.	11.45 p. m.	.58	11.09 p. m.	11.09 p. m.	.21	.27	.31												
Norfolk, Va.:																				
Mar. 27	10.10 a. m.	1.15 p. m.	.81	11.04 a. m.	11.15 a. m.	.16	.18	.33	.35											
June 1	9.10 p. m.	D. N. p. m.	1.17	9.20 p. m.	9.38 p. m.	.03	.17	.36	.40	.47										
July 10	1.49 p. m.	2.31 p. m.	.96	1.51 p. m.	2.18 p. m.	.01	.09	.13	.27	.62	.90	.95								
July 24	D. N. a. m.	D. N. a. m.	1.90	2.49 a. m.	2.58 a. m.	.26	.26	.48												
July 24	D. N. a. m.	D. N. a. m.	1.99	3.47 a. m.	4.25 a. m.	.92	.26	.44	.52	.57	.61	.69	.82	0.91						
July 26	D. N. a. m.	D. N. a. m.	1.18	3.53 a. m.	4.14 a. m.	.01	.21	.33	.47	.75	.78									
Aug. 9	2.10 p. m.	6.30 p. m.	1.62	2.24 p. m.	3.04 p. m.	.01	.15	.36	.61	.76	.91	1.09	1.23	1.33						
Aug. 29	12.40 p. m.	5.05 p. m.	.60	1.55 p. m.	2.08 p. m.	.11	.23	.36	.42											
Aug. 31	2.37 p. m.	3.15 p. m.	1.60	2.40 p. m.	3.06 p. m.	.02	.11	.35	.99	1.31	1.55	1.57								
Sept. 1	2.55 p. m.	3.55 p. m.	.54	3.12 p. m.	3.30 p. m.	.03	.05	.24	.42	.47										
Richmond, Va.:																				
May 28	4.50 p. m.	[1] 7.05 p. m.	1.10	5.13 p. m.	5.38 p. m.	.08	.36	.56	.63	.73	.91									
June 2	6.50 p. m.	8.25 p. m.	.72	6.59 p. m.	7.22 p. m.	.03	.11	.24	.27	.41	.46									
June 10	[2] 8.45 p. m.	D. N. a. m.	1.20	12.03 a. m.	12.18 a. m.	.52	.23	.39	.45											
June 27	4.55 p. m.	5.35 p. m.	.48	5.02 p. m.	5.09 p. m.	.01	.35	.41												
July 10	9.15 p. m.	[1] D. N. a. m.	.85	9.42 p. m.	9.52 p. m.	.03	.13	.33												
July 14	6.40 p. m.	D. N. p. m.	1.81	6.43 p. m.	7.54 p. m.	.01	.09	.15	.26	.50	.73	.98	1.39	1.32	1.32	1.32	1.33	1.73		
Aug. 10	D. N. a. m.	D. N. a. m.	.67	12.40 a. m.	1.09 a. m.	.01	.16	.40	.46	.52										
Aug. 16	10.20 p. m.	12.30 a. m.	.79	10.34 p. m.	10.59 p. m.	.05	.05	.17	.33	.45	.57									
Sept. 6	5.15 p. m.	8.50 p. m.	2.00	6.07 p. m.	7.13 p. m.	.16	.06	.23	.34	.38	.45	.53	.58	.68	.85	1.09	1.59	1.78		
Oct. 5	5.20 p. m.	5.50 p. m.	.37	5.28 p. m.	5.36 p. m.	.01	.27	.32												
Wytheville, Va.:																				
June 10	10.40 a. m.	11.47 a. m.	.58	10.47 a. m.	11.09 a. m.	.02	.14	.31	.37	.44	.49									
July 16	11.55 a. m.	2.40 p. m.	.79	12.45 p. m.	12.57 p. m.	.16	.17	.36	.45											
July 24	12.45 p. m.	1.30 p. m.	.48	12.51 p. m.	1.01 p. m.	.02	.23	.42												
Aug. 8	4.57 p. m.	5.20 p. m.	.41	4.57 p. m.	5.11 p. m.	0	.14	.27	.39											
Aug. 15	7.14 p. m.	8.08 p. m.	.47	7.16 p. m.	7.34 p. m.	.02	.14	.30	.38	.43										
SOUTH ATLANTIC STATES.																				
Asheville, N. C.:[3]																				
June 21	1.25 p. m.	3.50 p. m.	.85	1.28 p. m.	1.46 p. m.	.01	.14	.34	.54	.60										
June 27	2.45 p. m.	4.10 p. m.	.66	2.52 p. m.	3.20 p. m.	.01	.12	.33	.49	.54	.59	.62								
Aug. 8	3.17 p. m.	3.42 p. m.	.68	3.22 p. m.	3.36 p. m.	.01	.28	.57	.67											
Charlotte, N. C.:[3]																				
June 9	6.39 p. m.	[1] D. N. a. m.	1.69	6.41 p. m.	7.13 p. m.	.01	.33	.47	.66	.74	.85	.95	.98							
June 10	1.56 p. m.	2.34 p. m.	.57	1.58 p. m.	2.11 p. m.	.01	.16	.45	.52											
June 27	7.02 p. m.	8.51 p. m.	.94	7.15 p. m.	7.42 p. m.	.02	.15	.44	.59	.65	.76	.82								
July 6	5.26 p. m.	6.18 p. m.	.84	5.26 p. m.	5.51 p. m.	0	.22	.35	.58	.72	.79									
July 9	D. N. p. m.	[1] D. N. a. m.	1.44	10.41 p. m.	11.14 p. m.	.01	.15	.39	.60	.72	.93	1.15	1.19							
Aug. 2	3.53 p. m.	8.07 p. m.	1.27	3.55 p. m.	4.26 p. m.	0	.05	.37	.68	.87	.95	1.01	1.04							
Aug. 31	D. N. a. m.	10.15 a. m.	1.34	7.01 a. m.	7.44 a. m.	.03	.16	.37	.56	.69	.74	.78	.92	1.05	1.18					
Hatteras, N. C.:[3]																				
June 11	[2] 8.11 p. m.	11.05 a. m.	3.31	10.11 a. m.	10.58 a. m.	2.22	.15	.27	.37	.56	.77	.81	.88	.98	1.06					
June 15	8.15 p. m.	D. N. p. m.	2.51	8.26 p. m.	9.51 p. m.	.02	.21	.26	.32	.53	.74	.98	1.06	1.18	1.26	1.44	1.55	1.76	1.92	
July 9	6.07 p. m.	8.15 p. m.	.95	6.26 p. m.	7.02 p. m.	.01	.07	.18	.38	.46	.65	.79	.88	.90						
Sept. 3	3.15 p. m.	4.15 p. m.	.58	3.17 p. m.	3.32 p. m.	.01	.22	.42	.55											
Sept. 10	4.40 a. m.	10.45 a. m.	2.20	6.11 a. m.	7.00 a. m.	.19	.06	.11	.23	.39	.51	.60	.68	.76	.83	.91				
Sept. 14	9.15 a. m.	11.58 a. m.	1.98	10.23 a. m.	11.23 a. m.	.13	.07	.15	.21	.32	.58	.97	1.16	1.38	1.44	1.46	1.68			
Sept. 15	[2] 2.45 p. m.	7.30 a. m.	4.37	6.42 a. m.	7.22 a. m.	3.10	.09	.20	.45	.66	.90	1.09	1.20	1.25						
Nov. 21	[2] D. N. p. m.	6.45 a. m.	1.36	1.53 a. m.	2.16 a. m.	.02	.39	.84	.89	.92	.98									
Raleigh, N. C.:[3]																				
June 14	12.27 p. m.	5.55 p. m.	1.72	1.38 p. m.	2.08 p. m.	.10	.19	.22	.35	.48	.63	.69								
July 3	6.32 p. m.	7.05 p. m.	.69	6.35 p. m.	6.53 p. m.	.01	.25	.38	.49	.66										
July 12	5.50 p. m.	10.15 p. m.	1.53	6.14 p. m.	7.43 p. m.	.01	.18	.23	.25	.28	.30	.35	.49	.64	.73	.82	.92	1.21	1.46	
July 17	5.16 p. m.	10.30 p. m.	1.74	6.15 p. m.	6.29 p. m.	.02	.25	.58	.73											
Sept. 8	2.32 p. m.	5.20 p. m.	1.16	2.39 p. m.	3.02 p. m.	.01	.50	.64	.86	1.06	1.09									
Oct. 30	D. N. a. m.	6.00 a. m.	3.31	1.48 a. m.	2.53 a. m.	.02	.23	.53	.69	.78	.93	1.06	1.15	1.30	1.48	1.62	2.00	2.09		
Oct. 30	D. N. a. m.	6.00 a. m.	3.31	3.57 a. m.	4.55 a. m.	2.20	.18	.27	.45	.57	.62	.68	.70	.74	.77	.85	1.06			
Wilmington, N. C.:[3]																				
June 8	5.10 p. m.	8.20 p. m.	.90	5.36 p. m.	5.54 p. m.	.01	.27	.58	.65	.68										
July 8	1.20 p. m.	2.50 p. m.	.74	1.26 p. m.	1.54 p. m.	.01	.14	.33	.52	.59	.66	.72								
July 10	12.25 a. m.	2.20 a. m.	1.21	12.35 a. m.	1.05 p. m.	.01	.10	.23	.51	.83	1.11	1.16								
July 21	9.58 a. m.	11.05 a. m.	1.35	10.00 a. m.	10.30 a. m.	.01	.21	.40	.59	.77	.99	1.18								
July 27	4.05 p. m.	7.25 p. m.	1.38	5.54 p. m.	6.24 p. m.	.27	.32	.50	.75	.92	.98	1.06								
Sept. 4	4.14 p. m.	5.50 p. m.	1.08	4.24 p. m.	4.55 p. m.	.01	.31	.66	.82	.86	.93	.99	1.00							
Sept. 14	10.20 a. m.	[1] D. N. a. m.	4.18	7.21 p. m.	8.29 p. m.	1.91	.06	.14	.17	.21	.24	.31	.41	.56	.66	.77	.94	1.14		
Charleston, S. C.:[3]																				
Mar. 27	[2] 10.22 p. m.	D. N. a. m.	1.05	12.28 a. m.	12.30 a. m.	.30	.08	.21	.42	.65	.72									
May 4	1.05 p. m.	3.00 p. m.	.95	1.27 p. m.	1.53 p. m.	.03	.23	.47	.59	.62	.82	.89								
May 4	5.25 p. m.	9.10 p. m.	.78	6.25 p. m.	6.39 p. m.	.03	.29	.48	.54											
July 3	[2] D. N. p. m.	D. N. a. m.	1.56	12.18 a. m.	12.48 a. m.	.03	.12	.31	.55	.88	1.18	1.27								
July 7	12.38 p. m.	2.10 p. m.	1.57	1.00 p. m.	1.35 p. m.	.03	.37	.72	1.00	1.16	1.26	1.32	1.38							
July 8	7.56 p. m.	9.50 p. m.	1.00	7.56 p. m.	8.28 p. m.	0	.22	.51	.71	.82	.89	.94	.97							
July 19	8.23 p. m.	10.30 p. m.	1.30	8.27 p. m.	9.00 p. m.	.01	.07	.23	.39	.49	.70	.89	.99							
July 19–20	D. N. p. m.	D. N. a. m.	1.13	11.54 p. m.	12.07 a. m.	.02	.28	.53	.58											
Aug. 3	1.30 p. m.	5.40 p. m.	2.60	1.30 p. m.	2.14 p. m.	0	.16	.37	.57	.66	.81	1.15	1.61	1.90	1.99					

[1] On following date. [2] On previous date. [3] Only the more important storms are recorded.

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.:[1]																				
May 7	11.35 a. m.	11.30 p. m.	2.05	3.58 p. m.	5.02 p. m.	0.44	0.14	0.20	0.27	0.30	0.36	0.45	0.50	0.59	0.75	0.84	0.97	1.15	.....	.....
June 14	7.45 p. m.	[2] D.N.a.m.	1.24	8.45 p. m.	9.05 p. m.	.07	.13	.28	.54	.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 4	3.00 p. m.	4.10 p. m.	.67	3.09 p. m.	3.36 p. m.	.03	.08	.23	.41	.51	.58	.62	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 9	5.55 p. m.	7.00 p. m.	.64	6.00 p. m.	6.18 p. m.	.01	.12	.19	.58	.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Augusta, Ga.:[1]																				
Mar. 4	1.40 p. m.	5.10 p. m.	1.12	1.48 p. m.	1.57 p. m.	.01	.38	.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 9	6.10 p. m.	8.20 p. m.	.75	6.50 p. m.	7.10 p. m.	.01	.20	.45	.66	.72	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 17	2.10 p. m.	3.00 p. m.	1.05	2.32 p. m.	2.54 p. m.	.01	.30	.56	.91	1.03	1.04	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 20	2.35 p. m.	5.00 p. m.	1.53	3.09 p. m.	3.47 p. m.	.05	.30	.62	.86	1.05	1.12	1.20	1.26	1.30	.....	.....	.....	.....	.....	.....
Aug. 8[3]	11.15 a. m.	1.05 p. m.	.81	11.25 a. m.	11.33 a. m.	.02	.38	.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 9	4.30 p. m.	6.20 p. m.	.76	5.22 p. m.	5.33 p. m.	.13	.29	.59	.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 29	6.15 p. m.	10.00 p. m.	2.32	6.58 p. m.	7.37 p. m.	.11	.23	.54	.68	.92	1.06	1.15	1.26	1.33	.....	.....	.....	.....	.....	.....
Savannah, Ga.:[1]																				
Mar. 1	6.25 p. m.	8.48 p. m.	1.04	7.38 p. m.	7.52 p. m.	.12	.29	.67	.81	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 4	12.22 p. m.	1.15 p. m.	.64	12.34 p. m.	12.49 p. m.	.01	.10	.29	.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 7	3.17 p. m.	5.20 p. m.	1.11	3.39 p. m.	4.03 p. m.	.04	.27	.57	.78	.91	.95	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 3	3.44 p. m.	9.10 p. m.	4.12	4.35 p. m.	5.46 p. m.	.04	.09	.21	.40	.66	1.08	1.55	1.85	2.28	2.65	2.97	3.40	3.82	.....	.....
Aug. 17	5.40 p. m.	6.50 p. m.	1.03	5.45 p. m.	6.25 p. m.	.01	.18	.27	.34	.41	.60	.77	.87	1.00	.....	.....	.....	.....	.....	.....
Aug. 23	1.10 p. m.	1.48 p. m.	.67	1.22 p. m.	1.40 p. m.	.04	.05	.18	.49	.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 4	1.24 p. m.	5.45 p. m.	.95	1.36 p. m.	1.55 p. m.	.07	.14	.40	.59	.65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jacksonville, Fla.:[1]																				
June 4	5.20 a. m.	7.50 a. m.	1.59	5.39 a. m.	6.24 a. m.	.08	.08	.18	.47	.74	.89	1.02	1.11	1.20	1.28	.....	.....	.....	.....	.....
June 30	10.50 a. m.	1.10 p. m.	.99	11.26 a. m.	11.46 a. m.	.10	.26	.55	.70	.81	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 4	11.15 a. m.	12.10 p. m.	1.35	11.17 a. m.	11.47 a. m.	.01	.11	.53	.64	.99	1.19	1.29	.....	.....	.....	.....	.....	.....	.....	.....
July 27	4.03 p. m.	6.10 p. m.	3.01	4.17 p. m.	5.02 p. m.	.10	.11	.31	.63	1.10	1.77	2.26	2.57	2.71	2.80	.....	.....	.....	.....	.....
July 30	1.15 p. m.	2.13 p. m.	1.39	1.18 p. m.	1.50 p. m.	.01	.27	.60	.91	1.10	1.16	1.30	1.36	.....	.....	.....	.....	.....	.....	.....
Aug. 5	1.55 p. m.	4.45 p. m.	1.16	2.09 p. m.	2.54 p. m.	.04	.14	.20	.23	.29	.34	.45	.56	.73	.83	.....	.....	.....	.....	.....
FLORIDA PENINSULA.																				
Miami, Fla.:[1]																				
Mar. 7	4.59 p. m.	7.55 p. m.	1.53	5.40 p. m.	6.33 p. m.	.25	.07	.15	.37	.50	.59	.69	.80	.89	.95	1.01	1.15	.....	.....	.....
Apr. 13	1.05 p. m.	2.40 p. m.	1.88	1.12 p. m.	1.47 p. m.	.02	.19	.49	.84	1.10	1.36	1.63	1.79	.....	.....	.....	.....	.....	.....	.....
Apr. 13	3.05 p. m.	4.25 p. m.	1.34	3.06 p. m.	3.58 p. m.	T.	.30	.67	.85	.85	.85	.85	.93	1.01	1.14	1.27	1.32	.....	.....	.....
May 6–7	D.N. p. m.	D.N. a. m.	.86	11.51 p. m.	12.18 a. m.	.02	.14	.36	.52	.72	.79	.82	.....	.....	.....	.....	.....	.....	.....	.....
June 15	1.26 p. m.	3.10 p. m.	1.43	1.26 p. m.	1.54 p. m.	0	.08	.23	.45	.65	.90	.98	.....	.....	.....	.....	.....	.....	.....	.....
June 26	D.N. a. m.	6.25 a. m.	1.20	1.14 a. m.	1.38 a. m.	.01	.17	.35	.53	.70	.77	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 20	5.41 p. m.	7.45 p. m.	.70	5.47 p. m.	6.05 p. m.	.01	.14	.29	.52	.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 15	7.10 p. m.	[2] 6.40 a. m.	2.39	7.33 p. m.	8.39 p. m.	.03	.11	.24	.33	.42	.44	.46	.50	.54	.57	.65	1.02	1.24	.....	.....
Sept. 16	3.33 p. m.	9.25 p. m.	1.99	3.57 p. m.	4.38 p. m.	.10	.13	.36	.52	.57	.64	.78	.87	.98	1.01	.....	.....	.....	.....	.....
				5.28 p. m.	6.18 p. m.	.01	.15	.18	.38	.69	1.16	1.55	1.61	1.69	1.87	1.90	.....	.....	.....	.....
Sept. 25	5.26 p. m.	8.40 p. m.	3.98	6.18 p. m.	7.08 p. m.	.....	1.90	1.92	2.26	2.44	2.46	2.47	2.48	2.60	2.72	2.75	.....	.....	.....	.....
				7.08 p. m.	7.58 p. m.	.....	2.83	2.83	2.85	2.86	2.87	2.96	3.08	3.50	3.78	3.84	.....	.....	.....	.....
				7.58 p. m.	8.09 p. m.	.....	3.86	3.94	3.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 27	3.40 p. m.	5.40 p. m.	.77	3.42 p. m.	4.08 p. m.	.01	.36	.47	.52	.55	.64	.68	.....	.....	.....	.....	.....	.....	.....	.....
Key West, Fla.:[1]																				
Mar. 7	D.N. a. m.	3.10 p. m.	2.34	9.31 a. m.	9.49 a. m.	.28	.19	.35	.54	.61	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 6	D.N. a. m.	D.N. a. m.	.72	3.56 a. m.	4.11 a. m.	.12	.29	.40	.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 22	11.15 a. m.	12.57 p. m.	.85	11.21 a. m.	11.41 a. m.	.02	.17	.35	.56	.77	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 9	8.20 a. m.	11.15 a. m.	1.32	8.32 a. m.	9.03 a. m.	.04	.06	.25	.66	.91	1.07	1.17	1.18	.....	.....	.....	.....	.....	.....	.....
Oct. 6	2.24 p. m.	5.00 p. m.	1.46	2.48 p. m.	3.25 p. m.	.02	.15	.41	.67	.83	.90	1.00	1.06	1.11	.....	.....	.....	.....	.....	.....
Sand Key, Fla.:[1]																				
Apr. 13	12.20 p. m.	12.53 p. m.	.68	12.32 p. m.	12.48 p. m.	.03	.11	.32	.59	.65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 7	5.28 p. m.	8.50 p. m.	.98	6.45 p. m.	7.05 p. m.	.10	.21	.57	.69	.77	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 24	6.40 p. m.	10.20 p. m.	2.18	6.46 p. m.	7.21 p. m.	.01	.49	.87	1.31	1.53	1.75	1.87	1.94	.....	.....	.....	.....	.....	.....	.....
Aug. 27	2.05 a. m.	5.32 a. m.	.83	4.22 a. m.	4.35 a. m.	.30	.22	.36	.53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 9	2.55 p. m.	4.00 p. m.	.68	2.59 p. m.	3.20 p. m.	.01	.11	.37	.53	.61	.64	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 22	6.18 a. m.	7.24 a. m.	.95	6.21 a. m.	7.04 a. m.	.02	.11	.24	.42	.53	.70	.76	.81	.88	.....	.....	.....	.....	.....	.....
Sept. 24	3.42 a. m.	12.25 p. m.	3.13	7.12 a. m.	8.22 a. m.	.53	.05	.20	.40	.64	.92	1.10	1.26	1.41	1.63	1.68	1.88	2.12	.....	.....
Oct. 26	1.25 a. m.	4.00 a. m.	1.17	1.35 a. m.	1.57 a. m.	.02	.15	.51	.80	.96	1.03	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tampa, Fla.:[1]																				
June 27	12.29 p. m.	5.10 p. m.	2.23	12.32 p. m.	1.04 p. m.	.01	.20	.34	.52	.74	1.07	1.44	1.52	.....	.....	.....	.....	.....	.....	.....
July 16	5.54 p. m.	7.00 p. m.	.87	5.54 p. m.	6.18 p. m.	0	.14	.29	.45	.66	.84	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 18	7.14 p. m.	7.50 p. m.	.89	7.18 p. m.	7.38 p. m.	.01	.26	.59	.78	.87	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 11	4.50 p. m.	6.15 p. m.	1.23	4.54 p. m.	5.19 p. m.	.01	.18	.56	.80	1.01	1.11	1.18	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 14	4.07 p. m.	9.15 p. m.	2.06	4.19 p. m.	5.37 p. m.	.01	.18	.54	.83	1.03	1.09	1.12	1.23	1.43	1.53	1.61	1.67	1.88	.....	.....
Aug. 18	8.04 a. m.	9.25 a. m.	.91	8.15 a. m.	8.39 a. m.	.01	.10	.24	.34	.62	.84	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 21	D.N. a. m.	D.N. a. m.	1.54	3.37 a. m.	4.29 a. m.	.07	.07	.10	.15	.43	.77	.84	1.02	1.16	1.26	1.38	1.46	.....	.....	.....
Sept. 26	2.46 p. m.	3.27 p. m.	.98	2.48 p. m.	3.12 p. m.	.01	.12	.34	.54	.77	.97	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 29	D. N. a. m.	5.20 a. m.	.90	4.29 a. m.	4.50 a. m.	.06	.26	.53	.66	.80	.81	.....	.....	.....	.....	.....	.....	.....	.....	.....
EAST GULF STATES.																				
Atlanta, Ga.:[1]																				
Feb. 19	11.27 a. m.	1.20 p. m.	.62	11.45 a. m.	12 noon.	.03	.13	.27	.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 14	10.45 a. m.	11.40 a. m.	.90	10.50 a. m.	11.05 a. m.	.01	.34	.62	.72	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 27	4.05 p. m.	[2] 6.30 a. m.	2.78	6.31 p. m.	7.31 p. m.	.36	.09	.14	.19	.23	.32	.51	.64	.80	.91	1.02	1.16	.....	.....	.....
Macon, Ga.:[1]																				
July 6	10.48 a. m.	11.45 a. m.	.83	10.57 a. m.	11.26 a. m.	.03	.08	.37	.57	.66	.73	.78	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 6	3.47 p. m.	5.25 p. m.	.77	4.28 p. m.	4.46 p. m.	.06	.34	.51	.62	.67	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 15	2.26 p. m.	3.25 p. m.	1.76	2.28 p. m.	2.56 p. m.	.02	.22	.66	.98	1.34	1.68	1.74	.....	.....	.....	.....	.....	.....	.....	.....

[1] Only the more important storms are recorded. [2] On following date. [3] Record defective.

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.																				
Thomasville, Ga.:[1]																				
Jan. 24	7.56 p. m.	[2] 8.38 a. m.	2.81	8.27 p. m.	9.03 p. m.	0.05	0.08	6.14	0.24	0.43	0.61	0.71	0.76	0.80						
Feb. 1	6.53 a. m.	12.45 p. m.	1.04	7.46 a. m.	7.58 a. m.	.08	.21	.57	.62											
Feb. 15	D.N. a. m.	6.25 a. m.	.33	4.45 a. m.	5.04 a. m.	.05	.38	.54	.61	.69										
June 29	1.15 p. m.	5.30 p. m.	.89	1.22 p. m.	1.43 p. m.	.01	.07	.28	.48	.61	.65									
July 4	3.38 p. m.	7.10 p. m.	1.81	4.29 p. m.	5.33 p. m.	.15	.15	.24	.26	.41	.62	.82	.94	1.02	1.15	1.29	1.46	1.56		
July 7	12.25 p. m.	1.20 p. m.	1.20	12.28 p. m.	12.49 p. m.	.01	.18	.32	.77	1.14	1.18									
July 25	1.35 p. m.	5.54 p. m.	1.20	1.50 p. m.	2.19 p. m.	.01	.21	.45	.60	.73	.82	.90								
Aug. 4	D.N. a. m.	7.31 a. m.	1.77	6.28 a. m.	6.48 a. m.	.97	.15	.23	.46	.66										
Aug. 4	9.05 a. m.	11.20 a. m.	.90	9.48 a. m.	10.00 a. m.	.09	.19	.55	.59											
Aug. 16	5.40 p. m.	7.30 p. m.	.79	5.47 p. m.	6.06 p. m.	.01	.29	.47	.55	.70										
Aug. 30	12.10 p. m.	1.30 p. m.	1.09	12.23 p. m.	12.49 p. m.	.02	.16	.28	.43	.79	1.05	1.07								
Pensacola, Fla.:[1]																				
Jan. 24	[3] 6.25 p. m.	9.40 a. m.	2.74	6.21 a. m.	7.24 a. m.	1.27	.22	.32	.45	.60	.70	.81	.88	.94	.96	.98	1.15	1.22		
Mar. 2-3	11.10 p. m.	5.35 a. m.	1.22	11.46 p. m.	12.35 a. m.	.11	.09	.21	.39	.57	.58	.58	.62	.73	.79	.86				
Mar. 3	8.15 p. m.	9.30 p. m.	.79	8.47 p. m.	9.08 p. m.	.02	.07	.30	.50	.73	.77									
May 1	6.40 a. m.	8.55 a. m.	1.69	7.31 a. m.	8.38 a. m.	.11	.05	.09	.13	.19	.27	.45	.63	.81	1.05	1.40	1.47	1.57		
May 3	1.35 p. m.	6.40 p. m.	3.69	2.12 p. m.	3.10 p. m.	.01	.20	.44	.62	.77	.99	1.39	1.69	1.82	1.84	1.90	2.12			
May 3	1.35 p. m.	6.40 p. m.	3.69	4.37 p. m.	5.27 p. m.	2.25	.10	.25	.48	.51	.55	.73	.96	1.08	1.22	1.32				
June 14	2.55 p. m.	3.55 p. m.	.72	3.11 p. m.	3.28 p. m.	.01	.26	.51	.63	.67										
June 28	7.40 a. m.	9.30 a. m.	1.91	7.56 a. m.	8.39 a. m.	.12	.12	.40	.58	.89	.93	1.22	1.46	1.67	1.73					
Aug. 6	5.55 a. m.	6.40 a. m.	.72	6.04 a. m.	6.14 a. m.	.01	.38	.63	.64											
Aug. 14	2.50 p. m.	4.20 p. m.	.82	2.57 p. m.	3.10 p. m.	.01	.38	.62	.71											
Aug. 20	12.15 p. m.	1.45 p. m.	1.53	12.17 p. m.	12.56 p. m.	.01	.08	.20	.41	.65	.82	1.28	1.43	1.48						
Aug. 21	1.30 p. m.	3.30 p. m.	1.68	1.52 p. m.	2.28 p. m.	.01	.34	.80	1.12	1.33	1.46	1.52	1.57	1.60						
Aug. 30	2.20 a. m.	3.50 a. m.	.75	2.26 a. m.	2.47 a. m.	.01	.10	.26	.53	.61	.64									
Dec. 8	12.15 a. m.	2.40 a. m.	1.22	1.21 a. m.	1.51 a. m.	.01	.37	.67	.86	.99	1.06	1.15								
Anniston, Ala.:[1]																				
Feb. 20	12.30 a. m.	6.48 a. m.	1.80	1.40 a. m.	1.58 a. m.	.03	.11	.36	.50	.68										
Feb. 20	12.30 a. m.	6.48 a. m.	1.80	4.37 a. m.	5.16 a. m.	.78	.07	.14	.21	.91	.36	.48	.66	.82						
Mar. 26	1.19 p. m.	5.00 p. m.	2.58	1.59 p. m.	3.35 p. m.	.10	.10	.21	.39	.61	.93	1.07	1.08	1.10	1.19	1.48	1.67	1.86	2.33	
June 9	1.38 p. m.	4.45 p. m.	1.61	1.40 p. m.	2.38 p. m.	.01	.34	.51	.55	.58	.68	.97	1.01	1.01	1.02	1.04	1.41			
June 21	2.15 p. m.	3.45 p. m.	1.24	2.28 p. m.	3.09 p. m.	.04	.08	.22	.40	.61	.83	.98	1.03	1.11	1.12					
June 29	12.57 p. m.	1.15 p. m.	.73	12.57 p. m.	1.08 p. m.	0	.31	.64	.72											
July 28	12.45 p. m.	1.50 p. m.	.86	12.59 p. m.	1.21 p. m.	.01	.24	.46	.64	.77	.81									
Aug. 2	6.12 a. m.	9.40 a. m.	1.98	6.12 a. m.	7.12 a. m.	0	.06	.16	.37	.59	.76	.90	1.01	1.18	1.35	1.44	1.59			
Aug. 2	7.31 p. m.	9.55 p. m.	1.94	7.31 p. m.	8.01 p. m.	0	.30	.74	1.11	1.45	1.65	1.75								
Aug. 7	7.45 a. m.	9.50 a. m.	1.35	8.09 a. m.	8.36 a. m.	.13	.26	.38	.58	.86	1.14	1.18								
Aug. 8	12.17 p. m.	5.45 p. m.	1.25	12.19 p. m.	12.36 p. m.	.01	.16	.58	.88	.91										
Sept. 27	2.46 p. m.	6.40 p. m.	1.02	3.38 p. m.	4.01 p. m.	.06	.25	.42	.65	.74	.78									
Birmingham, Ala.:[1]																				
Jan. 21	8.40 p. m.	[2] D.N. a. m.	1.51	9.01 p. m.	9.38 p. m.	.02	.09	.23	.50	.66	.76	.87	.98	1.02						
Feb. 19	D.N. a. m.	7.10 a. m.	1.73	4.58 a. m.	5.59 a. m.	.44	.06	.24	.46	.52	.56	.58	.65	.70	.73	.77	.93	1.07		
Mar. 2	6.51 p. m.	8.35 p. m.	.96	7.04 p. m.	7.30 p. m.	.02	.23	.38	.65	.71	.79	.83								
Mar. 17	[3] 9.12 p. m.	D.N. a. m.	.95	12.10 a. m.	12.32 a. m.	.13	.40	.58	.65	.69	.73									
Mar. 26	12.01 p. m.	2.26 p. m.	1.44	12.34 p. m.	1.21 p. m.	.06	.17	.37	.52	.74	.94	1.09	1.14	1.17	1.24	1.26				
May 3	9.52 a. m.	12.05 p. m.	.79	11.34 a. m.	11.52 a. m.	.15	.14	.33	.55	.63										
May 3	5.10 p. m.	7.40 p. m.	1.67	5.45 p. m.	7.05 p. m.	.03	.11	.19	.35	.54	.75	.91	1.13	1.18	1.21	1.25	1.37	1.55		
June 7	2.54 a. m.	D.N. a. m.	.80	2.58 a. m.	3.11 a. m.	.01	.37	.66	.78											
June 26	1.03 p. m.	1.46 p. m.	.53	1.12 p. m.	1.20 p. m.	.01	.36	.50												
July 22	10.08 a. m.	12.32 p. m.	.87	10.13 a. m.	10.25 a. m.	.01	.43	.65	.72											
Aug. 1	1.32 p. m.	3.19 p. m.	1.76	1.46 p. m.	2.40 p. m.	.01	.15	.47	.79	.95	1.04	1.15	1.41	1.50	1.59	1.65	1.73			
Aug. 2	9.15 p. m.	[2] D.N. a. m.	2.47	9.19 p. m.	10.12 p. m.	.01	.28	.75	1.25	1.55	1.70	1.81	1.89	1.98	2.10	2.27	2.37			
Aug. 13	5.01 p. m.	5.44 p. m.	.86	5.07 p. m.	5.27 p. m.	.02	.08	.36	.60	.82										
Aug. 29	7.00 p. m.	7.45 p. m.	.87	7.03 p. m.	7.16 p. m.	.01	.34	.58	.61											
Sept. 1	4.43 p. m.	[2] D.N. a. m.	2.83	6.18 p. m.	7.40 p. m.	.46	.24	.49	.69	.86	.99	1.05	1.06	1.09	1.14	1.27	1.42	1.62	1.68	
Mobile, Ala.:[1]																				
Feb. 17	12.02 p. m.	7.25 p. m.	2.54	4.56 p. m.	5.47 p. m.	.06	.29	.68	.94	1.19	1.28	1.44	1.86	2.15	2.24	2.29	2.33			
Apr. 8	D.N. a. m.	D.N. a. m.	.57	12.34 a. m.	12.45 a. m.	.04	.10	.51	.53											
May 3	8.24 a. m.	3.20 p. m.	1.06	2.24 p. m.	2.35 p. m.	.47	.23	.54	.57											
July 2	11.01 a. m.	12.05 p. m.	.88	11.08 a. m.	11.29 a. m.	.01	.09	.42	.65	.78	.82									
July 12	10.09 a. m.	4.10 p. m.	2.71	10.30 a. m.	11.28 a. m.	.08	.07	.40	.59	.85	1.16	1.43	1.63	1.76	1.99	2.23	2.45			
July 19	5.10 p. m.	6.56 p. m.	1.62	5.52 p. m.	6.14 p. m.	.01	.60	1.33	1.48	1.56	1.59									
Aug. 4	1.15 p. m.	5.10 p. m.	1.11	1.17 p. m.	1.47 p. m.	.01	.20	.50	.58	.72	.87	.95								
Aug. 5	4.50 p. m.	7.45 p. m.	.88	6.38 p. m.	7.21 p. m.	.01	.11	.19	.30	.40	.50	.56	.68	.81	.87					
Aug. 11	11.44 a. m.	1.15 p. m.	.87	11.45 a. m.	11.59 a. m.	.01	.30	.66	.81											
Montgomery, Ala.:[1]																				
Mar. 2	10.40 p. m.	[2] 9.37 a. m.	4.06	10.52 p. m.	11.05 p. m.	.01	.25	.54	.63											
Mar. 3	[3] 10.40 p. m.	9.37 a. m.	4.06	6.44 a. m.	7.42 a. m.	2.19	.17	.27	.34	.40	.46	.65	.81	.92	1.04	1.24	1.55			
Mar. 3	3.40 p. m.	[2] 11.45 a. m.	3.27	7.31 p. m.	8.04 p. m.	.72	.08	.15	.25	.36	.50	.81	.86							
July 17	9.06 a. m.	10.30 a. m.	.77	9.22 a. m.	9.37 a. m.	.01	.25	.55	.68											
July 22	2.10 p. m.	3.32 p. m.	.73	2.12 p. m.	2.30 p. m.	.01	.26	.49	.59	.70										
Aug. 8	4.03 p. m.	7.20 p. m.	.78	4.14 p. m.	4.34 p. m.	.03	.12	.36	.55	.63										
Sept. 1	8.45 p. m.	D.N. p. m.	.86	9.32 p. m.	9.48 p. m.	.01	.20	.52	.59	.61										
Sept. 27	12.50 p. m.	3.40 p. m.	1.30	2.30 p. m.	3.07 p. m.	.25	.12	.34	.39	.40	.49	.70	.96	1.03						
Sept. 27	6.24 p. m.	6.55 p. m.	.87	6.24 p. m.	6.38 p. m.	0	.15	.63	.84											
Nov. 19	8.00 a. m.	7.50 p. m.	1.31	6.03 p. m.	6.23 p. m.	.57	.13	.36	.54	.67										
Meridian, Miss.:[1]																				
Apr. 17	5.05 p. m.	6.15 p. m.	.79	5.08 p. m.	5.30 p. m.	.01	.19	.51	.65	.72	.77									
July 21	7.44 a. m.	10.05 a. m.	1.43	8.39 a. m.	9.33 a. m.	.18	.06	.10	.16	.18	.25	.31	.37	.48	.78	1.09	1.21			
Nov. 28	2.15 p. m.	D.N. p. m.	1.26	5.32 p. m.	6.05 p. m.	.26	.07	.16	.32	.40	.60	.67	.81							
Vicksburg, Miss.:[1]																				
Mar. 26	7.30 p. m.	8.35 p. m.	1.37	8.02 p. m.	8.28 p. m.	.03	.10	.34	.56	1.01	1.32	1.34								
Apr. 1	9.10 p. m.	10.40 p. m.	1.71	9.24 p. m.	10.03 p. m.	.01	.06	.31	.71	.85	1.05	1.29	1.44	1.68						
Apr. 7	4.54 p. m.	7.55 p. m.	1.12	5.55 p. m.	6.46 p. m.	.07	.15	.41	.44	.45	.48	.51	.65	.76	.85	.91	.97			
May 21	D.N. p. m.	[2] D.N. a. m.	.81	11.42 p. m.	12.00 p. m.	.03	.09	.31	.60	.74										
July 7	10.10 p. m.	11.15 p. m.	1.61	10.13 p. m.	10.52 p. m.	.01	.34	.69	.93	1.13	1.29	1.39	1.48	1.52						
July 20	1.31 p. m.	3.05 p. m.	.76	1.38 p. m.	1.58 p. m.	.01	.22	.42	.54	.61										
Aug. 16	4.20 p. m.	5.20 p. m.	.70	4.23 p. m.	4.34 p. m.	.01	.15	.59	.63											

[1] Only the more important storms are recorded. [2] On following date. [3] On previous date.

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.:[1]																				
Jan. 28	3.20 p. m.	5.15 p. m.	1.00	3.25 p. m.	4.10 p. m.	0.01	0.21	0.35	0.41	0.46	0.50	0.59	0.67	0.81	0.90					
Mar. 3	8.30 p. m.	[2] 7.55 a. m.	2.10	9.07 p. m.	9.42 p. m.	.03	.15	.30	.48	.61	.72	.94	1.07							
Apr. 4	6.35 p. m.	D.N. p. m.	2.29	7.42 p. m.	8.20 p. m.	.01	.05	.12	.25	.51	.85	1.14	1.19	1.27						
May 5	7.10 a. m.	8.45 a. m.	.90	7.15 a. m.	7.30 a. m.	.01	.25	.42	.60											
June 28	11.05 a. m.	2.30 p. m.	1.88	11.29 a. m.	12.25 p. m.	.04	.05	.19	.66	.89	1.08	1.20	1.41	1.54	1.61	1.68	1.78			
July 3	3.41 p. m.	7.30 p. m.	.86	3.48 p. m.	4.15 p. m.	.01	.08	.26	.45	.64	.75	.80								
July 6	2.15 p. m.	3.20 p. m.	1.41	2.21 p. m.	3.11 p. m.	.02	.20	.34	.43	.51	.64	.82	.95	1.04	1.31	1.36				
July 7	5.00 p. m.	9.50 p. m.	2.02	5.00 p. m.	5.51 p. m.	.01	.13	.44	1.01	1.24	1.42	1.52	1.61	1.64	1.70	1.79	1.84			
July 18	11.55 a. m.	6.35 p. m.	1.28	12.15 p. m.	12.41 p. m.	.02	.31	.62	.85	1.03	1.11									
July 28	4.40 p. m.	5.25 p. m.	.82	4.52 p. m.	5.08 p. m.	.02	.20	.60	.74	.78										
Aug. 8	12.20 p. m.	1.45 p. m.	.98	12.39 p. m.	12.44 p. m.	.03	.16	.44	.62											
Aug. 17	3.00 p. m.	7.30 p. m.	2.35	3.16 p. m.	4.16 p. m.	.13	.08	.20	.56	1.09	1.34	1.56	1.74	1.79	1.83	1.87	2.08			
WEST GULF STATES.																				
Shreveport, La.:[1]																				
May 3	5.00 p. m.	6.30 p. m.	.74	6.10 p. m.	6.25 p. m.	.03	.15	.48	.66											
July 16	[3] 11.50 p. m.	8.45 a. m.	2.70	4.05 a. m.	4.50 a. m.	.87	.05	.25	.57	.79	.87	.93	1.05	1.12	1.19					
July 20	2.25 a. m.	11.25 a. m.	4.94	2.57 a. m.	3.51 a. m.	.14	.09	.19	.29	.42	.65	.87	.98	1.06	1.14	1.19	1.28			
July 20	2.25 a. m.	11.25 a. m.	4.94	5.15 a. m.	7.07 a. m.	1.88	.15	.22	.27	.29	.33	.38	.40	.45	.55	.75	.95	1.57	2.45	2.64
Aug. 29	4.15 a. m.	6.25 a. m.	1.62	5.01 a. m.	5.24 a. m.	.32	.26	.54	.88	1.14	1.20									
Oct. 25	6.25 p. m.	8.15 p. m.	1.73	6.40 p. m.	7.17 p. m.	.04	.08	.24	.60	1.07	1.39	1.57	1.64	1.67						
Bentonville, Ark.:[1]																				
Apr. 27	6.02 p. m.	7.40 p. m.	.92	6.27 p. m.	6.57 p. m.	.10	.12	.26	.38	.48	.56	.73								
May 3	4.15 a. m.	6.55 a. m.	1.06	5.04 a. m.	5.44 a. m.	.09	.14	.18	.19	.26	.45	.72	.84	.91						
May 3	4.05 p. m.	9.20 p. m.	1.51	4.16 p. m.	4.27 p. m.	.01	.14	.50	.52											
June 5	8.30 p. m.	9.15 p. m.	.76	8.43 p. m.	9.07 p. m.	.01	.22	.36	.44	.61	.73									
July 14	4.35 p. m.	8.20 p. m.	2.47	4.42 p. m.	6.04 p. m.	.01	.15	.55	.88	1.15	1.20	1.24	1.35	1.40	1.45	1.61	1.65	2.00	2.04	
Fort Smith, Ark.:[1]																				
Apr. 30	[3] 11.10 p. m.	D.N. a. m.	.64	12.17 a. m.	12.42 a. m.	.04	.06	.25	.44	.50	.58									
Aug. 13	5.44 a. m.	12.58 p. m.	.83	6.56 a. m.	7.13 a. m.	.01	.25	.39	.46	.50										
Sept. 26	8.57 p. m.	[2] 5.12 a. m.	.96	9.08 p. m.	9.32 p. m.	.03	.13	.34	.49	.60	.63									
Little Rock, Ark.:[1]																				
Mar. 23	9.25 a. m.	11.35 a. m.	.80	10.37 a. m.	10.57 a. m.	.17	.15	.20	.42	.57										
May 3	7.55 p. m.	D.N. p. m.	1.00	9.34 p. m.	9.45 p. m.	.19	.26	.65	.76											
May 21	3.45 p. m.	6.10 p. m.	1.10	4.47 p. m.	5.21 p. m.	.28	.12	.21	.39	.47	.52	.66	.72							
June 8	[3] 9.30 p. m.	D.N. a. m.	.81	1.17 a. m.	1.28 a. m.	.06	.21	.56	.58											
June 8	6.47 p. m.	D.N. p. m.	1.14	8.17 p. m.	8.46 p. m.	.06	.10	.25	.58	.62	.67	.85								
July 16	7.14 p. m.	8.45 p. m.	.97	8.12 p. m.	8.29 p. m.	.01	.07	.39	.80	.94										
July 23	3.15 p. m.	7.20 p. m.	1.20	5.14 p. m.	6.02 p. m.	.06	.14	.17	.19	.21	.29	.51	.78	.93	1.05	1.09				
Aug. 7	5.07 p. m.	7.50 p. m.	1.20	5.28 p. m.	5.45 p. m.	.02	.23	.60	.94	.99										
Aug. 13	11.45 a. m.	1.50 p. m.	.60	12.00 noon	12.12 p. m.	.01	.23	.47	.51											
Aug. 29	12.44 p. m.	2.15 p. m.	.84	1.14 p. m.	1.29 p. m.	.01	.23	.53	.68											
Corpus Christi, Tex.:[1]																				
Apr. 20	5.01 a. m.	8.25 a. m.	.93	5.01 a. m.	5.41 a. m.	0	.15	.31	.42	.49	.55	.59	.65	.73						
Dallas, Tex.:[1]																				
Mar. 16	3.27 a. m.	6.34 a. m.	1.29	3.33 a. m.	4.09 a. m.	.02	.08	.18	.25	.45	.55	.63	.80	.84						
Apr. 1	3.35 a. m.	5.55 a. m.	.74	4.16 a. m.	4.31 a. m.	.07	.18	.41	.52											
May 20	2.50 a. m.	7.18 a. m.	1.38	4.56 a. m.	5.30 a. m.	.24	.17	.25	.51	.66	.84	.95	1.00							
July 4	8.01 a. m.	10.03 a. m.	.94	8.17 a. m.	8.54 a. m.	.03	.14	.27	.36	.45	.57	.73	.78	.81						
Aug. 18	2.09 p. m.	3.15 p. m.	1.67	2.20 p. m.	2.46 p. m.	.01	.12	.22	.47	.69	.85	.88								
Aug. 18	2.09 p. m.	3.15 p. m.	1.67	3.56 p. m.	4.15 p. m.	.07	.15	.28	.46	.57										
Fort Worth, Tex.:[1]																				
Apr. 27	6.24 p. m.	10.55 p. m.	1.67	8.14 p. m.	8.45 p. m.	.04	.14	.35	.57	.79	.98	1.15	1.18							
May 27[4]	2.21 a. m.	4.41 a. m.	1.02	2.27 a. m.	2.50 a. m.	.01	.11	.31	.55	.78	.80									
June 24	5.31 a. m.	9.35 a. m.	1.76	5.55 a. m.	6.28 a. m.	.01	.13	.35	.69	.93	1.16	1.39	1.44							
Aug. 28	8.08 a. m.	9.40 a. m.	.58	8.15 a. m.	8.29 a. m.	.01	.23	.40	.50											
Sept. 26	4.13 p. m.	10.30 p. m.	1.43	4.20 p. m.	4.39 p. m.	.01	.30	.50	.86	.96										
Galveston, Tex.:[1]																				
May 11	6.43 a. m.	7.35 a. m.	.58	6.43 a. m.	7.00 a. m.	0	.25	.38	.43	.50										
Aug. 29	[3] D.N. p. m.	7.10 a. m.	1.30	4.51 a. m.	5.21 a. m.	.18	.05	.17	.35	.71	.88	.94								
Sept. 3	7.03 a. m.	11.30 a. m.	.69	7.55 a. m.	8.19 a. m.	.03	.11	.24	.40	.50	.62									
Sept. 4	7.15 a. m.	12.15 p. m.	.85	9.10 a. m.	9.25 a. m.	.01	.22	.38	.57											
Oct. 26	12.20 a. m.	D.N. a. m.	.45	12.28 a. m.	12.39 a. m.	.01	.36	.39	.42											
Port Arthur, Tex.:[1]																				
Feb. 17	8.28 a. m.	10.25 a. m.	1.60	8.33 a. m.	9.38 a. m.	T.	.27	.29	.36	.38	.40	.41	.42	.43	.69	1.01	1.34	1.56		
Apr. 12	D.N. a. m.	7.40 a. m.	1.19	6.09 a. m.	6.35 a. m.	.31	.06	.19	.29	.53	.68	.70								
May 5	2.10 a. m.	3.25 a. m.	.78	2.16 a. m.	2.40 a. m.	.01	.13	.41	.56	.66	.71									
June 27	1.20 p. m.	3.10 p. m.	1.77	1.40 p. m.	2.30 p. m.	.01	.07	.18	.38	.67	.95	1.00	1.27	1.45	1.59	1.74				
July 4	11.35 a. m.	12.25 p. m.	1.00	11.59 a. m.	12.16 p. m.	.01	.16	.57	.96	.99										
July 19	11.44 a. m.	3.05 p. m.	1.42	12.57 p. m.	1.22 p. m.	.36	.06	.27	.50	.74	.98									
July 20	2.20 p. m.	6.40 p. m.	1.42	3.07 p. m.	4.03 p. m.	.04	.12	.27	.39	.48	.53	.63	.67	.70	.85	.92	1.01			
Aug. 19	4.11 a. m.	8.00 a. m.	2.04	5.13 a. m.	5.36 a. m.	.33	.39	.86	1.22	1.36	1.43									
Aug. 19	12.54 p. m.	2.10 p. m.	1.67	12.58 p. m.	1.26 p. m.	.01	.30	.57	1.02	1.36	1.52	1.59								
Aug. 28	8.57 a. m.	10.40 a. m.	1.69	9.15 a. m.	9.45 a. m.	.01	.18	.37	.79	1.07	1.38	1.56								
Nov. 23	10.45 a. m.	12.50 p. m.	.62	11.09 a. m.	11.26 a. m.	.02	.27	.44	.49	.53										
Houston, Tex.:[1]																				
Feb. 14	2.35 p. m.	3.12 p. m.	.65	2.38 p. m.	2.51 p. m.	.01	.13	.38	.62											
Apr. 12	D.N. a. m.	5.15 a. m.	.74	4.46 a. m.	4.57 a. m.	.02	.13	.50	.71											
May 6	2.25 p. m.	D.N. p. m.	1.10	3.35 p. m.	3.59 p. m.	.04	.09	.34	.48	.56	.62									
July 20	2.02 p. m.	7.00 p. m.	2.08	3.53 p. m.	4.30 p. m.	.54	.19	.43	.71	.91	1.12	1.28	1.35	1.40						
Sept. 10	1.35 p. m.	5.22 p. m.	1.39	1.50 p. m.	2.25 p. m.	.05	.13	.32	.53	.68	.82	.97	1.14							
Taylor, Tex.:[1]																				
Apr. 19	12.31 a. m.	D.N. a. m.	1.25	1.11 a. m.	2.09 a. m.	.01	.03	.17	.26	.34	.45	.61	.68	.72	.83	.95	1.18			
July 18	5.50 p. m.	7.48 p. m.	.85	6.49 p. m.	7.16 p. m.	.05	.15	.31	.45	.57	.68	.72								
Sept. 3	4.54 p. m.	D.N. p. m.	1.63	5.12 p. m.	6.22 p. m.	.05	.09	.15	.19	.28	.37	.46	.49	.56	.66	.76	1.08	1.35		
Sept. 5	3.28 p. m.	5.08 p. m.	1.14	3.32 p. m.	3.57 p. m.	.01	.16	.44	.78	.98	1.07									

[1] Only the more important storms are recorded. [2] On following date. [3] On previous date. [4] Record defective.

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.	90 min.	100 min.	120 min.
WEST GULF STATES—contd.																				
Palestine, Tex.:[1]																				
Apr. 4	4.05 a. m.	9.15 a. m.	1.08	7.13 a.m.	7.42 a. m.	0.07	0.11	0.17	0.31	0.56	0.74	0.80								
Apr. 11	7.03 p. m.	9.50 p. m.	1.02	7.39 p. m.	8.04 p. m.	.06	.32	.48	.60	.66	.78									
Apr. 20	[2]11.45 p. m.	3.40 a. m.	.74	12.08 a. m.	12.23 a. m.	.03	.12	.48	.59											
May 3	3.15 p. m.	3.45 p. m.	.61	3.25 p. m.	3.41 p. m.	T.	.13	.35	.58	.61										
May 10	7.15 p. m.	[3]3.35 a. m.	2.04	8.22 p. m.	8.31 p. m.	.07	.50	.63												
June 2	7.05 p. m.	[3]D.N.a.m.	2.26	7.54 p. m.	9.14 p. m.	.13	.06	.13	.27	.33	.42	.59	0.81	1.04	1.06	1.07	1.13	1.60		
June 27	4.38 p. m.	4.58 p. m.	.68	4.38 p. m.	4.58 p. m.	0	.30	.47	.58	.68										
July 16	5.40 a. m.	9.40 a. m.	1.27	5.46 a. m.	6:15 a. m.	T.	.19	.38	.53	.62	.68	.75								
July 19	4.35 p. m.	5.40 p. m.	.79	4.57 p. m.	5:15 p. m.	.05	.19	.48	.66	.72										
				3.27 a. m.	4.17 a. m.	.91	.10	.30	.63	1.07	1.40	1.72	1.82	1.92	2.02	2.06				
July 20	[2]11.05 p. m.	9.20 a. m.	5.38	4.17 a. m.	5.07 a. m.		2.09	2.11	2.13	2.17	2.19	2.24	2.31	2.38	2.53	2.69				
				5.07 a. m.	5.57 a. m.		2.98	3.22	3.32	3.37	3.43	3.44	3.46	3.48	3.50	3.51				
				5.57 a. m.	6.21 a. m.		3.54	3.69	3.81	3.90	3.97									
Sept. 3	5.00 p. m.	10.25 p. m.	1.47	5.05 p. m.	5.30 p. m.	.02	.19	.50	.63	.68	.74									
San Antonio, Tex.:[1]																				
May 20	[2]11.45 p. m.	6.00 a. m.	1.17	3.03 a. m.	3.38 a. m.	.40	.18	.30	.39	.46	.19	.58	.66							
July 20	6.40 p. m.	[3]12.15 a. m.	1.20	6.53 p. m.	7.42 p. m.	.02	.12	.29	.43	.46	.48	.50	.55	.63	.71	.78				
OHIO VALLEY AND TENNESSEE.																				
Chattanooga, Tenn.:																				
Jan. 21	8.54 p. m.	[3]1.55 a. m.	1.12	9.03 p. m.	9.13 p. m.	.03	.22	.38												
Jan. 28	12.25 p. m.	[2]6.20 a. m.	.95	5.04 a. m.	5.14 a. m.	.28	.22	.32												
Feb. 20	12.08 a. m.	7.35 a. m.	1.22	1.50 a. m.	2.41 a. m.	.22	.14	.20	.23	.25	.35	.42	.52	.61	.69	.90	.94			
Mar. 23	5.07 p. m.	[3]2.30 a. m.	1.37	10.27 p. m.	10.52 p. m.	.37	.13	.28	.30	.58	.66									
Mar. 26-27	11.25 p. m.	4.08 a. m.	1.05	11.57 p. m.	12.21 a. m.	.03	.20	.35	.51	.61	.66									
Apr. 28	1.25 p. m.	2.16 p. m.	.40	1.49 p. m.	1.58 p. m.	.01	.19	.35												
May 31	5.15 a. m.	8.20 a. m.	1.26	5.32 a. m.	6.20 a. m.	.03	.10	.27	.37	.45	.53	.70	.84	.93	1.01	1.04				
June 7	1.53 a. m.	4.30 a. m.	.55	2.02 a. m.	2.17 a. m.	T.	.18	.30	.39											
June 8	4.05 a. m.	7.55 a. m.	1.42	4.46 a. m.	4.55 a. m.	.04	.16	.48												
June 9	4.13 a. m.	5.45 a. m.	.46	4.25 a. m.	4.37 a. m.	.01	.10	.28	.36											
June 14	4.21 a. m.	6.32 a. m.	1.04	4.30 a. m.	4.55 a. m.	.01	.40	.65	.77	.83	.93									
June 27	3.18 p. m.	8.25 p. m.	1.08	4.10 p. m.	4.38 p. m.	.08	.07	.11	.30	.60	.81	.85								
July 2	7.35 p. m.	9.18 p. m.	.66	8.00 p. m.	8.23 p. m.	.01	.07	.19	.32	.50	.58									
July 21	9.14 a. m.	3.26 p. m.	1.02	12.33 p. m.	12.48 p. m.	.47	.12	.28	.42											
Aug. 8	5.04 a. m.	6.14 a. m.	.54	5.10 a. m.	5.32 a. m.	.01	.15	.30	.38	.45	.49									
Aug. 29	6.03 p. m.	6.37 p. m.	.33	6.14 p. m.	6.24 p. m.	.01	.21	.30												
Aug. 31	10.58 a. m.	12.25 p. m.	1.03	11.00 a. m.	11.15 a. m.	T.	.33	.62	.87											
Sept. 16	[2]10.07 p. m.	7.12 a. m.	1.69	12.35 a. m.	1.24 a. m.	.13	.21	.24	.30	.34	.44	.56	.64	.67	.77	.82				
Oct. 29	4.50 p. m.	6.37 p. m.	.75	5.19 p. m.	5.30 p. m.	.02	.31	.53	.55											
Knoxville, Tenn.:																				
Jan. 21	8.25 p. m.	[3]D.N.a.m.	1.01	9.01 p. m.	9.21 p. m.	.11	.06	.30	.41	.46										
June 19	1.40 p. m.	5.30 p. m.	1.36	1.44 p. m.	2.11 p. m.	.01	.26	.34	.38	.41	.48	.55								
June 19	1.40 p. m.	5.30 p. m.	1.36	2.37 p. m.	3.00 p. m.	.61	.07	.22	.29	.43	.48									
June 29	D.N.a.m.	6.40 a.m.	1.15	3.08 a.m.	3.33 a.m.	.34	.15	.27	.41	.59	.72									
June 29	1.35 p.m.	2.15 p.m.	.79	1.45 p.m.	2.08 p.m.	.01	.20	.38	.52	.62	.76									
July 12	1.00 p.m.	6.30 p.m.	1.46	2.52 p.m.	3.06 p.m.	.38	.21	.42	.60											
July 14	6.05 p.m.	D.N.a.m.	2.14	6.39 p.m.	7.16 p.m.	.27	.29	.34	.34	.35	.37	.53	.62	.67						
July 14	6.05 p.m.	D.N.a.m.	2.14	9.01 p.m.	9.20 p.m.	1.11	.16	.31	.54	.86										
July 16	8.02 a.m.	12.30 p.m.	4.01	9.03 a.m.	11.05 a.m.	.15	.22	.29	.39	.56	.81	.94	1.05	1.18	1.29	1.35	1.62	2.38	2.86	3.30
Aug. 9	4.05 p.m.	7.00 p.m.	1.36	5.02 p.m.	5.40 p.m.	.19	.13	.50	.70	.73	.78	.87	.95	.98						
Aug. 31	8.45 a.m.	12.10 p.m.	.65	8.52 a.m.	9.00 a.m.	.01	.26	.34												
Sept. 9	12.30 p.m.	2.00 p.m.	1.12	12.42 p.m.	1.06 p.m.	.01	.15	.33	.54	.77	.83									
Oct. 19	D.N.a.m.	5.30 a.m.	1.42	2.35 a.m.	3.50 a.m.	.21	.16	.27	.32	.34	.38	.41	.46	.54	.61	.68	.83	1.03		
Memphis, Tenn.:																				
Jan. 21	[2]8.45 p.m.	4.15 p.m.	1.16	1.25 p.m.	1.45 p.m.	.11	.21	.32	.35	.43										
Mar. 15	6.05 p.m.	9.10 p.m.	.47	7.30 p.m.	7.39 p.m.	.11	.25	.32												
May 3	D.N.p.m.	[3]D.N.a.m.	.76	11.05 p.m.	11.30 p.m.	.03	.32	.35	.37	.48	.54									
July 15	D.N.a.m.	10.50 a.m.	.94	6.44 a.m.	7.14 a.m.	.21	.00	.22	.24	.35	.48	.56								
July 19	11.22 a.m.	2.20 p.m.	1.62	11.46 a.m.	1.37 p.m.	.12	.08	.24	.44	.70	1.00	1.07	1.10	1.13	1.24	1.34	1.40			
July 23	8.45 a.m.	10.40 a.m.	.79	9.31 a.m.	9.50 a.m.	.15	.06	.23	.44	.59										
Aug. 7	7.05 p.m.	D.N.p.m.	.92	7.41 p.m.	7.55 p.m.	.07	.25	.56	.65											
Aug. 22	D.N.a.m.	D.N.a.m.	.68	3.26 a.m.	3.55 a.m.	.01	.11	.28	.41	.48	.55	.59								
Sept. 1	3.20 p.m.	3.58 p.m.	.54	3.41 p.m.	3.57 p.m.	.01	.26	.37	.51	.53										
Sept. 16	D.N.a.m.	7.12 a.m.	.70	2.50 a.m.	3.03 a.m.	.02	.12	.29	.47											
Sept. 16	8.33 a.m.	9.10 a.m.	.48	8.35 a.m.	8.51 a.m.	.01	.12	.32	.44	.46										
Nashville, Tenn.:																				
Jan. 5	[2]8.55 p.m.	6.25 a.m.	1.61	1.09 a.m.	1.58 a.m.	.29	.13	.26	.37	.48	.59	.70	.77	.85	.93	.97				
Jan. 21	1.25 p.m.	8.00 p.m.	1.57	5.01 p.m.	5.45 p.m.	.29	.43	.62	.66	.70	.76	.84	.89	.95	1.00					
Mar. 16	2.45 p.m.	D.N.p.m.	1.53	3.30 p.m.	3.40 p.m.	.15	.23	.39												
Mar. 16	2.45 p.m.	D.N.p.m.	1.53	7.53 p.m.	8.03 p.m.	1.01	.19	.39												
Mar. 22	5.50 p.m.	6.40 p.m.	.47	6.04 p.m.	6.23 p.m.	.01	.11	.14	.31	.45										
Mar. 26	10.02 p.m.	[3]D.N.a.m.	.62	10.51 p.m.	11.04 p.m.	.05	.20	.44	.52											
May 26	D.N.a.m.	7.10 a.m.	2.23	3.52 a.m.	4.27 a.m.	.09	.06	.22	.41	.87	1.02	1.34	1.48							
May 27	7.20 p.m.	8.30 p.m.	.80	7.59 p.m.	8.10 p.m.	.06	.40	.70	.71											
June 2	1.08 a.m.	D.N.a.m.	.67	1.11 a.m.	1.28 a.m.	.01	.30	.48	.58	.62										
June 6-7	9.30 p.m.	D.N.a.m.	2.73	11.09 p.m.	12.38 a.m.	.14	.07	.28	.54	.66	.68	.70	.81	.84	.92	1.00	1.24	2.31	2.49	
June 8	2.45 a.m.	6.25 a.m.	.96	3.12 a.m.	3.28 a.m.	.05	.12	.27	.35	.37										
June 20	11.00 p.m.	[2]D.N.a.m.	.54	11.12 p.m.	11.22 p.m.	.03	.10	.31												
June 27	2.57 p.m.	3.55 p.m.	.76	3.00 p.m.	3.30 p.m.	.03	.06	.25	.35	.38	.59	.69								
July 14	10.30 p.m.	[2]D.N.a.m.	.94	10.40 p.m.	10.53 p.m.	.01	.21	.34	.40											
July 23	9.23 a.m.	10.30 a.m.	.53	9.25 a.m.	9.37 a.m.	.01	.21	.44	.48											
Aug. 21	12.43 p.m.	2.45 p.m.	.78	1.43 p.m.	2.03 p.m.	.28	.14	.32	.37	.43										
Oct. 29	1.20 p.m.	8.19 p.m.	.82	1.23 p.m.	1.40 p.m.	.01	.09	.20	.40	.44										
Lexington, Ky.:																				
May 27	7.35 p.m.	[3]D.N.a.m.	1.15	9.03 p.m.	9.45 p.m.	.10	.09	.26	.35	.37	.38	.39	.55	.67	.70					
July 19	11.55 a.m.	12.40 p.m.	1.07	12.20 p.m.	12.39 p.m.	.05	.28	.57	.84	1.02										
Sept. 7	2.55 p.m.	[4]4.30 p.m.	.68	3.13 p.m.	3.42 p.m.	.01	.22	.31	.31	.31	.55	.65								

[1] Only the more important storms are recorded.

[2] On previous date.

[3] On following date.

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.																				
Louisville, Ky.:																				
Mar. 11	8.33 p. m.	[1] 6.35 a. m.	1.42	8.48 p. m.	9.44 p. m.	0.01	0.16	0.46	0.62	0.69	0.82	0.96	1.03	1.05	1.06	1.09	1.24	....	....	....
Mar. 20	5.39 p. m.	D. N. a. m.	1.51	9.21 p. m.	9.35 p. m.	.81	.12	.34	.47	....	....	....	....	....	....	....	....	....	....	....
Mar. 23	2.33 p. m.	4.08 p. m.	.88	3.01 p. m.	3.41 p. m.	.03	.05	.14	.33	.38	.44	.51	.58	.78	....	....	....	....	....	....
May 27	1.20 a. m.	D. N. a. m.	1.05	1.30 a. m.	2.20 a. m.	.01	.14	.36	.41	.54	.72	.80	.85	.90	.95	1.00	....	....	....	....
Aug. 23	6.48 p. m.	7.25 p. m.	.32	6.48 p. m.	6.54 p. m.	0	.26	.28	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 29	3.57 p. m.	[1] 7.20 a. m.	2.94	4.16 p. m.	5.28 p. m.	.01	.15	.30	.34	.39	.49	.62	.55	.58	.65	1.18	2.09	2.38	....	....
Sept. 7	5.20 p. m.	7.45 p. m.	1.56	5.23 p. m.	5.52 p. m.	.01	.13	.39	.61	1.01	1.18	1.42	....	....	....	....	....	....	....	....
Evansville, Ind.:																				
Jan. 4	4.00 p. m.	6.20 p. m.	.42	5.44 p. m.	5.52 p. m.	.02	.24	.32	....	....	....	....	....	....	....	....	....	....	....	....
May 27	11.14 a. m.	2.10 p. m.	.97	12.30 p. m.	12.49 p. m.	.07	.19	.42	.61	.72	....	....	....	....	....	....	....	....	....	....
June 1	6.10 a. m.	9.40 a. m.	.76	6.49 a. m.	7.00 a. m.	.03	.17	.32	.34	....	....	....	....	....	....	....	....	....	....	....
June 9 [2]	11.15 a. m.	12.20 p. m.	.44	11.19 a. m.	11.32 a. m.	.01	....	....	.44	....	....	....	....	....	....	....	....	....	....	....
July 18	7.20 a. m.	10.30 a. m.	.70	9.47 a. m.	10.00 a. m.	.30	.15	.31	.38	....	....	....	....	....	....	....	....	....	....	....
July 27	12.40 a. m.	6.20 a. m.	1.10	1.48 a. m.	1.58 a. m.	.12	.18	.32	....	....	....	....	....	....	....	....	....	....	....	....
July 27	12.40 a. m.	6.20 a. m.	1.10	3.00 a. m.	3.20 a. m.	.51	.05	.11	.28	.40	....	....	....	....	....	....	....	....	....	....
Aug. 22	6.25 p. m.	8.20 p. m.	1.13	7.12 p. m.	7.40 p. m.	.07	.22	.53	.78	.89	.97	1.01	....	....	....	....	....	....	....	....
Sept. 6	9.10 p. m.	11.20 p. m.	1.71	9.22 p. m.	10.32 p. m.	.01	.18	.33	.33	.34	.40	.53	.59	.67	.68	.70	.89	1.55	....	....
Sept. 7	12.15 a. m.	1.45 a. m.	.87	12.29 a. m.	12.47 a. m.	.02	.22	.39	.56	.62	....	....	....	....	....	....	....	....	....	....
Oct. 18	3.20 a. m.	5.20 a. m.	.81	4.07 a. m.	4.46 a. m.	.05	.08	.16	.26	.31	.38	.51	.59	.70	....	....	....	....	....	....
Indianapolis, Ind.:																				
July 13	4.15 p. m.	5.35 p. m.	.56	5.05 p. m.	5.27 p. m.	.04	.12	.24	.34	.49	.51	....	....	....	....	....	....	....	....	....
July 16	9.13 a. m.	12.53 p. m.	1.48	9.32 a. m.	10.45 a. m.	.01	.27	.44	.51	.55	.58	.60	.63	.71	.78	.81	.84	1.16	....	....
July 26	7.02 a. m.	9.40 a. m.	.75	7.07 a. m.	7.20 a. m.	.01	.35	.59	.66	....	....	....	....	....	....	....	....	....	....	....
Aug. 6	5.05 p. m.	8.00 p. m.	.63	5.11 p. m.	5.28 p. m.	.01	.17	.28	.36	.41	....	....	....	....	....	....	....	....	....	....
Sept. 2	6.36 p. m.	[1] D. N. a. m.	1.41	6.40 p. m.	7.07 p. m.	.01	.12	.49	.78	.99	1.09	1.12	....	....	....	....	....	....	....	....
Oct. 18	4.50 p. m.	9.00 p. m.	.66	6.22 p. m.	6.44 p. m.	.04	.17	.26	.46	.53	.55	....	....	....	....	....	....	....	....	....
Terre Haute, Ind.:																				
Mar. 13	[3] 6.58 p. m.	11.20 a. m.	1.99	3.23 a. m.	4.01 a. m.	.57	.08	.22	.37	.47	.54	.58	.65	.70	....	....	....	....	....	....
May 9	11.50 a. m.	12.24 p. m.	.47	12.01 p. m.	12.15 p. m.	.01	.17	.38	.43	....	....	....	....	....	....	....	....	....	....	....
May 26	4.20 p. m.	8.25 p. m.	2.35	4.41 p. m.	4.55 p. m.	.05	.13	.59	.74	....	....	....	....	....	....	....	....	....	....	....
May 26	4.20 p. m.	8.25 p. m.	2.35	6.56 p. m.	7.15 p. m.	.92	.17	.38	.51	.57	....	....	....	....	....	....	....	....	....	....
May 26	4.20 p. m.	8.25 p. m.	2.35	7.51 p. m.	8.02 p. m.	1.77	.14	.45	.58	....	....	....	....	....	....	....	....	....	....	....
June 4	7.05 p. m.	[1] 6.28 a. m.	3.38	7.46 p. m.	8.11 p. m.	.08	.20	.46	.65	.80	.87	....	....	....	....	....	....	....	....	....
June 5	[3] 7.05 p. m.	6.28 a. m.	3.38	12.08 a. m.	1.34 a. m.	1.30	.39	.58	.67	.74	.84	.92	.97	1.00	1.09	1.16	1.25	1.51	1.63	....
June 13	2.15 p. m.	4.30 p. m.	.90	2.26 p. m.	2.52 p. m.	.01	.12	.34	.43	.45	.65	.69	....	....	....	....	....	....	....	....
July 26	D. N. a. m.	10.58 a. m.	2.09	4.57 a. m.	5.16 a. m.	.17	.21	.42	.65	.76	....	....	....	....	....	....	....	....	....	....
Aug. 7	2.15 p. m.	3.22 p. m.	.50	2.17 p. m.	2.27 p. m.	.01	.28	.38	....	....	....	....	....	....	....	....	....	....	....	....
Cincinnati, Ohio:																				
Mar. 23	3.12 p. m.	7.10 p. m.	.78	3.47 p. m.	3.57 p. m.	.11	.20	.38	....	....	....	....	....	....	....	....	....	....	....	....
May 27	2.38 p. m.	6.20 p. m.	.67	3.09 p. m.	3.16 p. m.	.04	.28	.33	....	....	....	....	....	....	....	....	....	....	....	....
July 1	10.20 p. m.	[1] 12.15 a. m.	.73	10.25 p. m.	10.32 p. m.	.02	.32	.46	....	....	....	....	....	....	....	....	....	....	....	....
July 17	2.50 p. m.	3.31 p. m.	.41	2.52 p. m.	3.08 p. m.	.01	.16	.25	.40	.43	....	....	....	....	....	....	....	....	....	....
July 26	10.20 a. m.	11.30 a. m.	1.05	10.32 a. m.	10.51 a. m.	.05	.22	.61	.84	.96	....	....	....	....	....	....	....	....	....	....
Aug. 6	3.16 p. m.	4.00 p. m.	.38	3.25 p. m.	3.37 p. m.	.02	.17	.31	.34	....	....	....	....	....	....	....	....	....	....	....
Sept. 7	7.45 p. m.	D. N. p. m.	2.04	8.02 p. m.	8.19 p. m.	.09	.11	.29	.43	.51	....	....	....	....	....	....	....	....	....	....
Sept. 7	7.45 p. m.	D. N. p. m.	2.04	9.32 p. m.	10.31 p. m.	.70	.06	.11	.24	.34	.36	.48	.55	.66	.73	.86	1.06	....	....	....
Sept. 8	5.10 a. m.	7.30 a. m.	.65	5.15 a. m.	5.35 a. m.	.01	.07	.28	.48	.62	....	....	....	....	....	....	....	....	....	....
Columbus, Ohio:																				
June 9	8.15 p. m.	10.40 p. m.	.67	8.23 p. m.	8.36 p. m.	.02	.34	.51	.57	....	....	....	....	....	....	....	....	....	....	....
June 19	9.00 p. m.	[1] D. N. a. m.	1.06	10.15 p. m.	10.33 p. m.	.11	.06	.34	.41	.49	....	....	....	....	....	....	....	....	....	....
June 27	10.55 a. m.	12.40 p. m.	.46	11.02 a. m.	11.12 a. m.	.01	.17	.34	....	....	....	....	....	....	....	....	....	....	....	....
June 28	2.40 p. m.	3.10 p. m.	.44	2.45 p. m.	2.58 p. m.	.01	.08	.30	.41	....	....	....	....	....	....	....	....	....	....	....
July 7	D. N. a. m.	8.40 a. m.	1.12	6.18 a. m.	6.32 a. m.	.13	.18	.28	.35	....	....	....	....	....	....	....	....	....	....	....
July 13	6.35 p. m.	[1] D. N. a. m.	1.33	11.18 p. m.	11.34 p. m.	.80	.15	.28	.35	.37	....	....	....	....	....	....	....	....	....	....
Aug. 8	4.17 p. m.	4.45 p. m.	.45	4.20 p. m.	4.37 p. m.	.01	.08	.31	.39	.43	....	....	....	....	....	....	....	....	....	....
Dayton, Ohio:																				
Mar. 11	3.58 p. m.	5.50 p. m.	.79	5.12 p. m.	5.29 p. m.	.05	.07	.33	.62	.73	....	....	....	....	....	....	....	....	....	....
Apr. 30	5.20 p. m.	6.32 p. m.	.58	5.35 p. m.	5.47 p. m.	.03	.17	.46	.52	....	....	....	....	....	....	....	....	....	....	....
June 23	3.16 p. m.	6.05 p. m.	.65	3.20 p. m.	3.35 p. m.	.01	.18	.38	.50	....	....	....	....	....	....	....	....	....	....	....
July 7	12.08 a. m.	5.25 a. m.	.75	1.12 a. m.	1.20 a. m.	.07	.23	.36	....	....	....	....	....	....	....	....	....	....	....	....
July 13	5.20 p. m.	7.48 p. m.	.77	6.42 p. m.	7.26 p. m.	.04	.12	.19	.27	.32	.33	.35	.40	.64	.72	....	....	....	....	....
Aug. 21	8.09 p. m.	11.15 p. m.	.93	8.22 p. m.	8.38 p. m.	.02	.18	.41	.53	.56	....	....	....	....	....	....	....	....	....	....
Oct. 18	10.18 p. m.	[1] 6.10 a. m.	.99	10.20 p. m.	10.33 p. m.	.01	.22	.41	.49	....	....	....	....	....	....	....	....	....	....	....
Elkins, W. Va.:																				
May 26	6.55 p. m.	[1] D. N. a. m.	1.68	10.47 p. m.	10.57 p. m.	.12	.33	.47	....	....	....	....	....	....	....	....	....	....	....	....
June 24	D. N. a. m.	D. N. a. m.	.46	3.50 a. m.	4.07 a. m.	.03	.12	.34	.39	.42	....	....	....	....	....	....	....	....	....	....
June 27	3.37 p. m.	5.00 p. m.	.61	3.45 p. m.	4.07 p. m.	.02	.17	.23	.33	.43	.47	....	....	....	....	....	....	....	....	....
July 7	5.35 p. m.	7.20 p. m.	.59	5.50 p. m.	6.02 p. m.	.02	.23	.41	.45	....	....	....	....	....	....	....	....	....	....	....
Sept. 3	7.28 a. m.	8.40 a. m.	.71	7.28 a. m.	7.45 a. m.	0	.40	.56	.65	.69	....	....	....	....	....	....	....	....	....	....
Parkersburg, W. Va.:																				
May 20	2.55 p. m.	7.28 p. m.	.88	3.26 p. m.	3.41 p. m.	.01	.15	.49	.55	....	....	....	....	....	....	....	....	....	....	....
May 26	5.10 p. m.	6.20 p. m.	.41	5.36 p. m.	5.49 p. m.	.01	.09	.33	.39	....	....	....	....	....	....	....	....	....	....	....
May 26	8.50 p. m.	[1] 2.30 a. m.	1.44	8.53 p. m.	9.08 p. m.	.01	.13	.35	.55	....	....	....	....	....	....	....	....	....	....	....
June 27	2.14 p. m.	3.37 p. m.	.67	2.23 p. m.	2.40 p. m.	.01	.24	.43	.54	.57	....	....	....	....	....	....	....	....	....	....
July 7	1.28 p. m.	2.50 p. m.	.95	1.28 p. m.	1.58 p. m.	0	.13	.47	.59	.60	.80	.91	....	....	....	....	....	....	....	....
July 20	9.02 p. m.	9.44 p. m.	1.27	9.02 p. m.	9.40 p. m.	0	.13	.26	.43	.62	.79	1.06	1.23	1.27	....	....	....	....	....	....
July 26	3.46 p. m.	5.10 p. m.	.30	3.53 p. m.	3.58 p. m.	.01	.26	....	....	....	....	....	....	....	....	....	....	....	....	....
Aug. 15	12.50 p. m.	1.30 p. m.	.47	12.58 p. m.	1.12 p. m.	.02	.07	.29	.43	....	....	....	....	....	....	....	....	....	....	....
Aug. 28	4.07 p. m.	5.15 p. m.	.32	4.16 p. m.	4.24 p. m.	.01	.21	.30	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 6	1.15 p. m.	2.25 p. m.	.54	1.38 p. m.	1.53 p. m.	.05	.19	.35	.43	....	....	....	....	....	....	....	....	....	....	....
Pittsburgh, Pa.:																				
June 6	10.35 a. m.	11.10 a. m.	.76	10.41 a. m.	10.54 a. m.	.02	.22	.60	.73	....	....	....	....	....	....	....	....	....	....	....
June 23	9.28 p. m.	11.50 p. m.	1.02	11.03 p. m.	11.24 p. m.	.44	.06	.08	.27	.44	.49	....	....	....	....	....	....	....	....	....
Aug. 21	2.53 p. m.	4.40 p. m.	1.06	2.57 p. m.	3.43 p. m.	.01	.24	.44	.51	.57	.64	.72	.81	.90	1.00	1.02	....	....	....	....
Aug. 22	2.57 p. m.	9.00 p. m.	.50	3.54 p. m.	4.03 p. m.	.09	.23	.33	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 6	2.50 a. m.	5.15 a. m.	.81	3.47 a. m.	4.24 a. m.	.06	.11	.19	.24	.41	.50	.52	.63	.66	....	....	....	....	....	....

[1] On following date. [2] Record defective. [3] On previous date.

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.																				
Buffalo, N. Y.:																				
June 6	6.28 p. m.	11.00 p. m.	1.04	7.22 p. m.	7.58 p. m.	0.11	0.23	0.40	0.44	0.50	0.56	0.63	0.79	0.82						
June 26	4.05 p. m.	6.50 p. m.	.65	4.08 p. m.	4.20 p. m.	.01	.32	.46	.51											
July 9	8.45 p. m.	11.30 p. m.	.70	8.59 p. m.	9.09 p. m.	.03	.34	.53												
July 10	3.28 p. m.	10.55 p. m.	1.34	3.30 p. m.	3.58 p. m.	.01	.13	.44	.69	.77	.96	1.02								
Sept. 1	D. N. a. m.	7.45 a. m.	.88	2.58 a. m.	3.18 a. m.	.12	.14	.30	.46	.53										
Canton, N. Y.:																				
July 19[1]	D. N. a. m.	D. N. a. m.	.70	4.38 a. m.	4.58 a. m.	.10	.16	.28	.40	.47										
Oswego, N. Y.:																				
June 7	3.16 p. m.	4.50 p. m.	.76	3.48 p. m.	4.00 p. m.	.03	.31	.61	.67											
Rochester, N. Y.:																				
June 7	7.55 a. m.	9.45 a. m.	.74	8.20 a. m.	9.00 a. m.	.03	.06	.18	.28	.35	.41	.47	.54	.63						
July 11[1]	3.31 p. m.	6.30 p. m.	1.32	3.36 p. m.	3.56 p. m.	.01	.14	.43	.59	.65										
Syracuse, N. Y.:																				
June 7	4.50 p. m.	5.45 p. m.	.48	4.55 p. m.	5.05 p. m.	.03	.26	.37												
Aug. 22	6.39 p. m.	7.25 p. m.	.70	6.41 p. m.	6.56 p. m.	T.	.22	.51	.65											
Erie, Pa.:																				
June 6	5.20 p. m.	9.05 p. m.	1.24	7.20 p. m.	7.45 p. m.	.25	.19	.34	.54	.70	.92									
June 23	6.15 p. m.	7.40 p. m.	.96	6.21 p. m.	6.30 p. m.	.02	.27	.61												
June 26	5.34 p. m.	8.05 p. m.	1.47	5.38 p. m.	5.48 p. m.	.02	.26	.40												
June 26	5.34 p. m.	8.05 p. m.	1.47	6.33 p. m.	6.53 p. m.	.53	.11	.35	.44	.52										
July 9	8.11 p. m.	10.55 p. m.	1.18	8.26 p. m.	8.46 p. m.	.11	.16	.36	.47	.54										
July 17	6.10 p. m.	7.35 p. m.	.66	6.23 p. m.	6.43 p. m.	.03	.08	.18	.40	.52										
Aug. 24	7.00 p. m.	8.20 p. m.	.61	7.38 p. m.	7.48 p. m.	.11	.15	.36												
Sept. 2	10.02 a. m.	10.50 a. m.	.50	10.13 a. m.	10.23 a. m.	.01	.24	.43												
Cleveland, Ohio:																				
June 23	6.24 p. m.	7.07 p. m.	.89	6.30 p. m.	6.44 p. m.	.01	.15	.57	.87											
July 14	7.24 p. m.	10.30 p. m.	1.80	9.38 p. m.	10.08 p. m.	.79	.20	.26	.40	.66	.83	.93								
Sept. 5	7.16 p. m.	[2] 5.00 a. m.	1.83	10.28 p. m.	10.35 p. m.	.12	.41	.54												
Oct. 29	2.08 p. m.	[3] 6.07 p. m.	1.05	2.47 p. m.	3.27 p. m.	.04	.13	.24	.32	.42	.59	.61	.63	.75						
Sandusky, Ohio:																				
June 5	8.30 p. m.	11.45 p. m.	2.10	10.12 p. m.	10.50 p. m.	.13	.06	.32	.56	.89	1.30	1.63	1.88	1.93						
Aug. 23	D. N. a. m.	D. N. a. m.	1.56	3.13 a. m.	4.16 a. m.	.04	.12	.15	.16	.37	.60	.75	.94	1.05	1.14	1.15	1.33	1.43		
Sept. 6	[3] D. N. p. m.	7.45 a. m.	.71	12.16 a. m.	12.46 a. m.	.09	.06	.15	.27	.37	.48	.58								
Sept. 27	3.25 p. m.	9.45 p. m.	1.31	4.31 p. m.	4.46 p. m.	.12	.08	.21	.36											
Toledo, Ohio:																				
Mar. 31	8.12 p. m.	[2] D. N. a. m.	.78	9.03 p. m.	9.59 p. m.	.11	.25	.30												
May 22	12.53 p. m.	4.10 p. m.	.60	3.02 p. m.	3.09 p. m.	.15	.26	.31												
June 2	1.50 p. m.	2.14 p. m.	.63	1.58 p. m.	2.12 p. m.	.03	.09	.44	.59											
June 6	3.25 a. m.	6.28 a. m.	.75	5.42 a. m.	5.51 a. m.	.40	.23	.30												
June 13	4.08 p. m.	5.20 p. m.	.56	4.18 p. m.	4.38 p. m.	.01	.06	.24	.40	.53										
June 28	7.12 p. m.	10.20 p. m.	.77	9.04 p. m.	9.19 p. m.	.19	.16	.42	.49											
Detroit, Mich.:																				
Apr. 18	7.17 p. m.	9.20 p. m.	.85	8.06 p. m.	8.15 p. m.	.04	.43	.61												
June 13	5.06 p. m.	5.55 p. m.	.44	5.22 p. m.	5.35 p. m.	.06	.11	.33	.38											
June 26	D. N. a. m.	5.50 a. m.	.84	4.18 a. m.	5.10 a. m.	.02	.08	.10	.18	.25	.38	.54	.59	.60	.66	.75	.81			
July 9	5.11 p. m.	5.16 p. m.	.33	5.11 p. m.	5.16 p. m.	0	.33													
UPPER LAKE REGION.																				
Alpena, Mich.[4]																				
Escanaba, Mich.:																				
July 1	D. N. a. m.	D. N. a. m.	.60	2.32 a. m.	2.52 a. m.	.01	.17	.32	.47	.53										
Aug. 26	4.40 p. m.	7.15 p. m.	.83	6.47 p. m.	7.05 p. m.	.32	.16	.32	.44	.51										
Grand Haven, Mich:																				
Sept. 5	5.50 a. m.	12.15 p. m.	1.33	11.59 a. m.	12.13 p. m.	.94	.09	.27	.39											
Grand Rapids, Mich.:																				
May 19	7.20 a. m.	8.10 a. m.	.54	7.22 a. m.	7.30 a. m.	.01	.39	.49												
July 6	5.00 p. m.	[2] D. N. a. m.	2.07	7.57 p. m.	9.00 p. m.	.44	.14	.27	.39	.53	.56	.59	.61	.63	.65	.71	.93	1.16		
July 16	4.27 p. m.	[2] 6.10 a. m.	1.20	5.21 p. m.	5.42 p. m.	.07	.08	.17	.28	.48	.52									
July 22	3.33 p. m.	4.25 p. m.	1.56	3.36 p. m.	4.15 p. m.	.01	.28	.67	.82	.87	.99	1.05	1.42	1.53						
July 23	3.05 p. m.	D. N. p. m.	.94	3.05 p. m.	3.30 p. m.	0	.16	.36	.62	.82	.87									
Sept. 5	8.17 p. m.	11.00 p. m.	1.24	8.36 p. m.	8.56 p. m.	.14	.36	.76	.86	.95										
Oct. 18	3.10 p. m.	8.45 p. m.	.86	5.07 p. m.	5.21 p. m.	.27	.13	.29	.35											
Houghton, Mich.:																				
July 31	7.02 a. m.	7.40 a. m.	.42	7.02 a. m.	7.13 a. m.	0	.19	.34	.39											
Aug. 23	3.42 p. m.	5.05 p. m.	1.07	3.42 p. m.	4.28 p. m.	0	(1)	(1)	(1)	(1)	.63	.70	.76	.90	1.02	1.05				
Aug. 27	1.50 a. m.	D N. a. m	.75	2 15 a. m	2 43 a. m	.09	.18	.42	.45	.52	.61	.65								
Lansing, Mich:																				
Apr. 20	6 12 p. m	7 40 p. m	.31	6 14 p. m	6 19 p. m	.02	.27													
June 28	5 50 p. m	9 00 p. m.	.78	6.36 p. m.	6.45 p. m.	.04	.29	.49												
July 1	7.20 a. m.	11.45 a. m.	1.27	10.46 a. m.	11.05 a. m.	.82	.12	.29	.36	.41										
Sept. 5	5.10 p. m.	D. N. p. m.	2.58	7.09 p. m.	7.54 p. m.	.02	.08	.17	.31	.33	.34	.40	.56	.72	.85					
Sept. 5	5.10 p. m.	D. N. p. m.	2.58	8.34 p. m.	9.37 p. m.	.93	.68	.28	.41	.49	.53	.77	.80	.95	.95	.97	1.54	1.61		
Ludington, Mich[4]																				
Marquette, Mich.:																				
Aug. 19	12.53 p. m.	3.20 p. m.	1.62	1.12 p. m.	1.45 p. m.	.01	.17	.21	.41	.66	.89	1.04	1.17							
Aug. 19	12.53 p. m.	3.20 p. m.	1.62	2.20 p. m.	2.35 p. m.	1.21	.13	.36	.40											
Port Huron, Mich.:																				
June 26	D. N. a. m.	D. N. a. m.	1.23	12.50 a. m.	1.07 a. m.	.01	.15	.45	.64	.69										
June 26	1.09 p. m.	1.42 p. m.	.59	1.14 p. m.	1.34 p. m.	.01	.16	.31	.48	.58										
July 7	D. N. a. m.	8.40 a. m.	1.03	2.05 a. m.	2.25 a. m.	.01	.12	.20	.34	.48										
July 7	3.38 p. m.	5.40 p. m.	1.27	3.41 p. m.	4.41 p. m.	.01	.15	.34	.39	.43	.43	.43	.54	.80	.85	.85	1.02			
July 9	3.32 p. m.	4.00 p. m.	.43	3.34 p. m.	3.42 p. m.	.01	.27	.36												
Aug. 5	2.15 p. m.	3.08 p. m.	.83	2.34 p. m.	3.02 p. m.	.01	.23	.38	.51	.66	.79	.82								
Saginaw, Mich.:																				
June 25	D. N. p. m.	[2] 5.50 a. m.	1.28	11.20 p. m.	11.47 p. m.	.01	.15	.28	.34	.46	.56	.61								
June 26	7.43 a. m.	8.10 a. m.	.85	7.43 a. m.	8.04 a. m.	0	.24	.54	.65	.82	.85									
July 6	D. N. p. m.	[2] 10.20 a. m.	.93	10.29 p. m.	10.45 p. m.	.01	.25	.36	.43	.47										
July 18	9.28 a. m.	10.10 a. m.	.49	9.34 a. m.	9.50 a. m.	.01	.15	.31	.39	.44										

[1] Record defective. [2] On following date. [3] On previous date. [4] No excessive precipitation.

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.																				
Sault Ste. Marie, Mich.[1]																				
Fort Wayne, Ind.:																				
June 6	D. N. a. m.	D. N. a. m.	0.62	4.40 a. m.	4.52 a. m.	0.04	0.40	0.53	0.57											
June 23	[2] 8.55 p. m.	6.00 a. m.	1.32	3.50 a. m.	4.50 a. m.	.11	.07	.23	.38	0.43	0.45	0.50	0.57	0.68	0.76	0.84	1.00			
July 6	9.25 p. m.	[3] D. N. a. m.	1.70	9.28 p. m.	9.44 p. m.	.01	.23	.33	.50	.52										
July 9	2.47 p. m.	9.21 p. m.	.87	2.55 p. m.	3.12 p. m.	.02	.21	.50	.83	.85										
July 24 [4]	2.35 p. m.	5.45 p. m.	.50	2.38 p. m.	3.02 p. m.	.01	.14	.14	.25	.37	.46									
Aug. 5	2.33 p. m.	2.53 p. m.	.40	2.33 p. m.	2.43 p. m.	0	.22	.40												
Aug. 5	4.20 p. m.	5.30 p. m.	.59	4.36 p. m.	4.50 p. m.	.09	.11	.36	.47											
Aug. 13	5.35 p. m.	7.05 p. m.	1.61	5.39 p. m.	6.36 p. m.	.01	.16	.23	.47	.74	.93	1.11	1.37	1.39	1.40	1.48	1.59			
Aug. 27	10.40 p. m.	D. N. p. m.	1.02	10.45 p. m.	11.12 p. m.	.01	.20	.48	.68	.79	.92	.96								
Chicago, Ill.:																				
May 19	5.08 p. m.	6.15 p. m.	.61	5.24 p. m.	5.47 p. m.	.05	.12	.21	.25	.37	.47									
June 28	3.49 p. m.	5.08 p. m.	.54	3.57 p. m.	4.10 p. m.	.01	.24	.32	.39											
July 26	2.12 p. m.	3.10 p. m.	.58	2.32 p. m.	2.47 p. m.	.01	.23	.41	.57											
Green Bay, Wis.:																				
June 17	8.14 a. m.	10.15 a. m.	.94	9.37 a. m.	10.04 a. m.	.06	.33	.63	.75	.78	.84	.88								
Milwaukee, Wis.:																				
June 13	[2] 8.10 p. m.	D. N. a. m.	1.16	12.41 a. m.	1.25 a. m.	.24	.13	.29	.40	.48	.53	.64	.69	.77	.84					
				11.57 p. m.	12.47 a. m.	.03	.05	.11	.16	.20	.40	.64	.86	1.16	1.37	1.64				
				12.47 a. m.	1.37 a. m.		1.76	1.86	1.91	1.92	1.99	2.10	2.16	2.27	2.51	2.83				
June 22–23	11.40 p. m.	8.00 a. m.	5.21	1.37 a. m.	2.27 a. m.		3.07	3.18	3.20	3.24	3.26	3.28	3.30	3.31	3.36	3.43				
				2.27 a. m.	2.50 a. m.		3.50	3.68	3.90	4.11	4.19									
Sept. 5	D. N. a. m.	10.00 a. m.	1.68	7.49 a. m.	8.52 a. m.	.58	.06	.14	.20	.24	.29	.35	.38	.43	.50	.56	.89	1.08		
Duluth, Minn.:																				
July 31	[2] 11.15 p. m.	6.20 a. m.	1.32	4.37 a. m.	4.46 a. m.	.75	.24	.32												
NORTH DAKOTA.																				
Moorhead, Minn.:																				
June 11	10.15 a. m.	2.50 p. m.	.82	1.31 p. m.	1.43 p. m.	.04	.29	.53	.58											
Bismarck, N. Dak.:																				
Aug. 15	1.40 a. m.	D. N. a. m.	.57	1.58 a. m.	2.10 a. m.	.01	.32	.50	.54											
Sept. 11	11.37 p. m.	11.55 p. m.	.45	11.39 p. m.	11.49 p. m.	.01	.21	.44												
Devils Lake, N. Dak.[1]																				
Ellendale, N. Dak.[1]																				
Williston, N. Dak.[1]																				
UPPER MISSISSIPPI VALLEY.																				
Minneapolis, Minn.:																				
June 25	[2] 11.25 p. m.	5.20 a. m.	1.25	3.48 a. m.	4.20 a. m.	.32	.25	.45	.51	.59	.67	.74	.78							
July 5	10.00 p. m.	[2] D. N. a. m.	.77	10.12 p. m.	10.27 p. m.	.04	.21	.45	.54											
July 22	2.30 p. m.	3.20 p. m.	.72	2.37 p. m.	3.03 p. m.	.01	.16	.42	.51	.61	.68	.69								
Sept. 12	10.05 a. m.	8.30 p. m.	1.00	10.40 a. m.	11.07 a. m.	.07	.11	.26	.35	.42	.45	.51								
St. Paul, Minn.:																				
May 29	5.20 p. m.	[3] 7.10 a. m.	1.71	7.27 p. m.	8.12 p. m.	.26	.09	.11	.17	.24	.30	.39	.46	.59	.69					
June 25	3.55 a. m.	5.35 a. m.	.83	4.02 a. m.	4.15 a. m.	.03	.27	.41	.46											
July 4	9.55 p. m.	11.45 p. m.	1.05	10.34 p. m.	11.10 p. m.	.09	.11	.17	.24	.36	.45	.62	.82	.85						
July 5	10.15 p. m.	[3] 12.45 a. m.	.73	10.46 p. m.	11.11 p. m.	.03	.15	.27	.38	.50	.56									
July 22	3.00 p. m.	4.10 p. m.	.53	3.10 p. m.	3.33 p. m.	.03	.08	.21	.33	.42	.48									
La Crosse, Wis.:																				
May 18	10.21 p. m.	[3] D. N. a. m.	.91	10.32 p. m.	10.45 p. m.	.03	.09	.25	.36											
June 25	D. N. a. m.	8.15 a. m.	.63	7.35 a. m.	7.48 a. m.	.27	.26	.31												
June 28	6.06 p. m.	6.30 p. m.	.62	6.06 p. m.	6.22 p. m.	0	.25	.53	.60	.61										
July 14	4.54 p. m.	6.05 p. m.	.84	5.02 p. m.	5.19 p. m.	.02	.23	.57	.74	.77										
				10.09 p. m.	10.59 p. m.	.14	.12	.16	.18	.23	.27	.29	.38	.49	.53	.69				
July 21–22	9.02 p. m.	D. N. a. m.	3.67	10.59 p. m.	11.49 p. m.		.84	.93	1.00	1.10	1.31	1.53	1.77	1.90	1.94	1.97				
				11.49 p. m.	12.30 a. m.		2.00	2.08	2.14	2.20	2.23	2.25	2.31	2.52	2.56					
Madison, Wis.:																				
June 23	2.50 a. m.	7.00 a. m.	1.05	5.02 a. m.	5.18 a. m.	.03	.08	.36	.60	.63										
June 28	9.30 a. m.	2.20 p. m.	.60	11.19 a. m.	11.37 a. m.	.01	.13	.28	.37	.42										
July 1	3.25 a. m.	4.30 a. m.	.53	3.30 a. m.	3.54 a. m.	.02	.15	.21	.32	.41	.49									
July 22	2.10 a. m.	4.00 a. m.	1.36	3.18 a. m.	3.45 a. m.	.16	.13	.33	.58	.94	1.15	1.19								
July 22	12.44 p. m.	2.45 p. m.	.51	12.50 p. m.	1.03 p. m.	.02	.14	.26	.35											
Aug. 7	6.10 a. m.	12.20 p. m.	1.35	9.06 a. m.	9.24 a. m.	.42	.09	.36	.51	.55										
Aug. 7	6.39 p. m.	7.04 p. m.	.57	6.54 p. m.	7.04 p. m.	.01	.23	.56												
Aug. 19	5.05 p. m.	6.35 p. m.	.46	6.19 p. m.	6.30 p. m.	.08	.20	.35	.38											
Sept. 5	D. N. a. m.	4.30 a. m.	.47	4.12 a. m.	4.27 a. m.	.11	.07	.23	.36											
Wausau, Wis.:																				
July 1	12.05 a. m.	1.35 a. m.	.72	12.15 a. m.	12.38 a. m.	.01	.07	.12	.17	.41	.47									
July 20	9.50 a. m.	12.10 p. m.	.68	11.08 a. m.	11.42 a. m.	.04	.07	.17	.18	.20	.20	.38	.56							
July 31	4.55 p. m.	[3] 1.00 a. m.	1.08	5.02 p. m.	5.17 p. m.	.03	.14	.23	.45											
Charles City, Iowa:																				
May 18	9.42 p. m.	11.30 p. m.	.84	10.09 p. m.	10.15 p. m.	.03	.13	.34	.54											
May 19	1.38 a. m.	2.10 a. m.	.44	1.38 a. m.	1.48 a. m.	0	.31	.41												
June 23	1.10 a. m.	4.00 a. m.	.53	2.24 a. m.	2.43 a. m.	.02	.18	.24	.32	.42										
July 21	[2] 9.44 p. m.	1.10 p. m.	1.81	9.40 a. m.	9.55 a. m.	1.05	.19	.40	.51											
July 31	6.15 p. m.	11.20 p. m.	1.59	7.02 p. m.	7.27 p. m.	.17	.11	.33	.43	.55	.60									
Davenport, Iowa:																				
June 5	9.35 p. m.	[3] D. N. a. m.	.62	10.48 p. m.	10.56 p. m.	.07	.36	.41												
June 12	7.20 p. m.	[3] 6.20 a. m.	.67	7.26 p. m.	7.36 p. m.	.03	.12	.31												
July 8	3.48 p. m.	6.25 p. m.	1.10	4.32 p. m.	5.06 p. m.	.08	.13	.20	.22	.31	.60	.81	.87							
July 8	6.55 p. m.	8.07 p. m.	.61	6.59 p. m.	7.14 p. m.	.01	.13	.36	.46											
Sept. 3	7.46 a. m.	10.57 a. m.	1.09	8.09 a. m.	8.24 a. m.	.01	.22	.35	.43											
Sept. 5	10.10 p. m.	[2] 2.15 a. m.	1.07	11.24 p. m.	11.54 p. m.	.04	.10	.19	.25	.31	.48	.81								
Sept. 7	D. N. a. m.	9.25 a. m.	1.77	5.23 a. m.	5.35 a. m.	.09	.17	.30	.35											
Sept. 20	[2] 11.03 a. m.	11.32 a. m.	.33	11.11 a. m.	11.18 a. m.	.01	.19	.32												
Oct. 17	[2] 8.40 p. m.	7.25 a. m.	1.72	1.03 a. m.	1.15 a. m.	.54	.30	.60	.64											

[1] No excessive precipitation.
[2] On previous date.
[3] On following date.
[4] Record defective.

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.																				
Des Moines, Iowa:																				
June 4	7.08 a. m.	12.55 p. m.	1.18	8.10 a. m.	8.55 a. m.	0.05	0.18	0.36	0.39	0.48	0.54	0.58	0.65	0.72	0.77					
June 8	4.41 p. m.	10.05 p. m.	1.40	6.08 p. m.	7.06 p. m.	.06	.12	.15	.17	.41	.52	.81	.97	1.11	1.16	1.23	1.31			
June 13	D. N. a. m.	6.33 a. m.	1.02	12.53 a. m.	1.03 a. m.	.01	.16	.30												
July 5	7.50 p. m.	D. N. p. m.	.70	8.13 p. m.	8.22 p. m.	.01	.16	.34												
Aug. 21	2.39 p. m.	5.18 p. m.	.83	2.43 p. m.	3.18 p. m.	.01	.17	.30	.42	.52	.62	.71	.76							
Dubuque, Iowa:																				
July 16	10.38 a. m.	11.12 a. m.	.38	10.40 a. m.	10.45 a. m.	.01	.25													
Oct. 17	12.01 a. m.	D. N. a. m.	.51	1.30 a. m.	1.43 a. m	.06	.19	.27	.37											
Keokuk, Iowa:																				
Mar. 23	[1] 10.00 p. m.	7.20 a. m.	1.01	1.17 a. m.	1.30 a. m.	.14	.27	.46	.51											
June 4	11.40 a. m.	6.30 p. m.	1.95	1.27 p. m.	1.52 p. m.	.26	.21	.53	.89	.97	1.04									
June 4	6.50 p. m.	10.45 p. m.	1.52	9.47 p. m.	10.20 p. m.	.41	.25	.50	.58	.59	.75	.97	1.06							
June 27	9.15 a. m.	[2] D. N. a. m.	1.18	9.28 p. m.	9.44 p. m.	.05	.29	.52	.66	.70										
July 22	1.05 p. m.	3.25 p. m.	.78	1.17 p. m.	1.32 p. m.	.03	.21	.50	.63											
July 23	5.35 a. m.	7.12 a. m.	.87	5.38 a. m.	5.58 a. m.	.01	.20	.40	.58	.70										
Sept. 3	3.05 a. m.	5.20 a. m.	2.55	4.02 a. m.	5.14 a. m.	.28	.17	.40	.83	1.13	1.39	1.63	1.81	1.82	1.83	1.85	1.99	2.27		
Oct. 18	[1] 9.50 p. m.	D. N. a. m.	1.00	1.59 a. m.	2.16 a. m.	.43	.10	.26	.44	.49										
Cairo, Ill.:																				
Jan. 4	[1] 10.15 p. m.	10.25 a. m.	1.45	2.00 a. m.	2.26 a. m.	.29	.15	.26	.43	.50	.60	.63								
Mar. 23	12.07 p. m.	2.50 p. m.	.76	12.58 p. m.	1.14 p. m.	.03	.10	.35	.64	.69										
Apr. 1	12.15 a. m.	1.10 p. m.	3.61	4.25 a. m.	4.51 a. m.	1.12	.06	.13	.21	.41	.50	.53								
Apr. 1	12.15 a. m.	1.10 p. m.	3.61	9.12 a. m.	10.03 a. m.	2.48	.16	.29	.37	.48	.53	.58	.65	.75	.80	.85	.90			
July 9	4.39 a. m.	6.23 a. m.	.50	5.47 a. m.	6.01 a. m.	.02	.16	.32	.46											
July 14	2.30 p. m.	4.42 p. m.	1.23	2.46 p. m.	3.16 p. m.	.01	.12	.37	.54	.85	1.08	1.13								
July 14	7.22 p. m.	9.35 p. m.	1.23	7.53 p. m.	8.20 p. m.	.01	.27	.63	.94	1.07	1.13	1.16								
July 16	4.50 p. m.	5.19 p. m.	.83	5.09 p. m.	5.22 p. m.	.01	.16	.54	.67											
Aug. 7	6.02 p. m.	10.45 p. m.	.70	6.10 p. m.	6.25 p. m	.03	.05	.30	.42											
Aug. 15	1.05 a. m.	9.12 a. m.	3.04	1.29 a. m.	1.38 a. m.	.14	.30	.38												
Aug. 15	1.05 a. m.	9.12 a. m.	3.04	3.35 a. m.	4.42 a. m.	.70	.05	.10	.27	.34	.41	.51	.56	.06	.76	.87	1.20	1.46		
Aug. 21	10.23 p. m.	D. N. p. m.	.80	10.25 p. m.	10.59 p. m.	.01	.11	.24	.43	.52	.57	.66	.72							
Sept. 8	2.50 a. m.	4.00 a. m.	.64	2.58 a. m.	3.11 a. m.	.01	.27	.47	.56											
Sept. 19	1.00 p. m.	2.31 p. m.	.56	1.16 p. m.	1.26 p. m.	.01	.19	.39												
Peoria, Ill.:																				
Mar. 13	10.55 a. m.	6.30 p. m.	.98	1.36 p. m.	1.45 p. m.	.37	.25	.36												
June 5	10.50 p. m.	11.55 p. m.	.63	10.56 p. m.	11.09 p. m.	.03	.25	.41	.46											
June 12	1.50 a. m.	3.00 a. m.	1.24	1.57 a. m.	2.46 a. m.	.05	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	1.12	1.18				
June 13	[1] 11.20 p. m.	7.35 a. m.	1.34	12.15 a. m.	12.24 a. m.	.02	.22	.30												
June 27	11.45 p. m.	[2] 4.30 a. m.	.98	11.45 p. m.	11.58 p. m.	0	.17	.33	.41											
Aug. 22	12 Mid't.	3.15 a. m.	1.61	12.30 a. m.	1.34 a. m.	.13	.10	.25	.40	.54	.69	.80	.86	.92	.98	1.05	1.23	1.35		
Sept. 7	4.35 a. m.	9.00 a. m.	.95	6.59 a. m.	7.18 a. m.	.20	.07	.34	.56	.66										
Oct. 18	[1] 10.30 p. m.	5.00 a. m.	1.05	3.50 a. m.	4.04 a. m.	.51	.13	.24	.37											
Springfield, Ill.:																				
Mar. 31	3.45 p. m.	6.14 p. m.	.54	4.29 p. m.	4.43 p. m.	.01	.09	.24	.39											
May 30	2.22 p. m.	4.45 p. m.	.59	3.51 p. m.	3.58 p. m.	.13	.28	.42												
June 4	3.55 p. m.	6.38 p. m.	2.00	4.26 p. m.	5.17 p. m.	.01	.22	.57	.97	1.24	1.32	1.39	1.44	1.58	1.72	1.83	1.86			
June 4	7.50 p. m.	9.04 p. m.	1.41	8.19 p. m.	8.46 p. m.	.12	.21	.71	1.08	1.17	1.25	1.29								
June 4	9.40 p. m.	[2] D. N. a. m.	2.53	9.44 p. m.	9.53 p. m.	.02	.22	.33												
June 4	9.40 p. m.	[2] D. N. a. m.	2.53	10.24 p. m.	10.32 p. m.	.38	.31	.37												
June 4	9.40 p. m.	[2] D. N. a. m.	2.53	10.55 p. m.	11.23 p. m.	.81	.15	.36	.48	.64	.77	.84								
June 13	6.15 a. m.	7.35 a. m.	.83	6.28 a. m.	6.51 a. m.	.01	.15	.16	.20	.45	.59									
June 27–28	9.55 p. m.	D. N. a. m.	1.93	11.41 p. m.	12.08 a. m.	.69	.13	.23	.34	.46	.68	.79								
July 23	1.20 p. m.	4.15 p. m.	2.58	1.29 p. m.	2.14 p. m.	.01	.43	1.02	1.41	1.67	1.92	2.08	2.30	2.41	2.52					
Aug. 28	12.14 a. m.	D. N. a. m.	.50	12.16 a. m.	12.33 a. m.	.01	.16	.20	.30	.45										
Hannibal, Mo.:																				
Mar. 13	[1] 1.28 p. m.	5.15 a. m.	2.50	12.34 a. m.	1.07 a. m.	1.13	.11	.22	.34	.56	.68	.89	.98							
May 25	8.03 p. m.	8.42 p. m.	.45	8.09 p. m.	8.19 p. m.	.01	.25	.42												
May 30	1.55 p. m.	2.56 p. m.	.44	2.14 p. m.	2.23 p. m.	.08	.21	.36												
June 4	2.52 p. m.	5.22 p. m.	1.39	3.55 p. m.	4.34 p. m.	.31	.08	.32	.43	.52	.68	.83	.89	.96						
June 8	6.52 p. m.	8.22 p. m.	.66	7.07 p. m.	7.34 p. m.	.01	.14	.30	.39	.44	.51	.55								
July 8	4.02 p. m.	6.12 p. m.	.70	4.12 p. m.	4.25 p. m.	.01	.22	.55	.64											
St. Louis, Mo.:																				
July 23	12.48 p. m.	1.44 p. m.	1.29	1.09 p. m.	1.32 p. m.	.01	.42	.77	.99	1.20	1.28									
July 27	1.30 a. m.	D. N. a. m.	.72	2.00 a. m.	2.22 a. m.	.05	.19	.39	.50	.61	.65									
Sept. 7	7.15 p. m.	D. N. p. m.	1.42	8.33 p. m.	8.52 p. m.	.34	.19	.57	.81	.93										
Oct. 28	8.45 p. m.	D. N. p. m.	.84	9.42 p. m.	10.19 p. m.	.02	.07	.23	.28	.40	.51	.59	.68	.72						
MISSOURI VALLEY.																				
Columbia, Mo.:																				
Mar. 28	12.35 a. m.	D. N. a. m.	.80	1.35 a. m.	1.51 a. m.	.02	.31	.47	.54	.57										
Mar. 31	8.20 p. m.	D. N. p. m.	.45	8.30 p. m.	8.39 p. m.	.03	.15	.33												
May 30	12.45 p. m.	1.32 p. m.	.55	12.46 p. m.	1.12 p. m.	.01	.14	.17	.26	.43	.50	.52								
June 23	5.30 a. m.	8.39 a. m.	.90	6.24 a. m.	7.11 a. m.	.13	.05	.13	.20	.31	.43	.47	.57	.58	.69	.71				
Aug. 7	D. N. a. m.	D. N. a. m.	.95	3.42 a. m.	4.22 a. m.	.03	.09	.18	.31	.46	.55	.59	.70	.86						
Aug. 21	3.50 p. m.	4.54 p. m.	.49	4.16 p. m.	4.36 p. m.	.01	.14	.30	.39	.45										
Kansas City, Mo.:																				
Mar. 22	7.04 p. m.	8.00 p. m.	.50	7.21 p. m.	7.33 p. m.	.10	.20	.35	.40											
Apr. 17	D. N. a. m.	6.35 a. m.	.87	2.22 a. m.	2.45 a. m.	.03	.15	.22	.36	.49	.54									
Apr. 27	D. N. a. m.	2.25 p. m.	2.03	3.33 a. m.	4.37 a. m.	.30	.10	.14	.16	.23	.27	.31	.53	.60	.70	.78	.91	1.18		
May 25	6.10 p. m.	7.25 p. m.	.66	6.45 p. m.	7.00 p. m.	.23	.16	.27	.40											
June 1	6.40 p. m.	8.03 p. m.	1.30	6.59 p. m.	7.37 p. m.	.17	.06	.17	.31	.45	.58	.77	1.00	1.10						
June 5	7.32 a. m.	8.05 a. m.	.37	7.36 a. m.	7.43 a. m.	.01	.28	.34												
June 5	6.30 p. m.	7.25 p. m.	.59	6.42 p. m.	7.10 p. m.	.03	.07	.12	.17	.32	.46	.56								
Aug. 8	9.40 p. m.	10.50 p. m.	.43	9.44 p. m.	9.52 p. m.	.01	.28	.37												
St. Joseph, Mo.:																				
June 1	12.55 p. m.	9.08 p. m.	2.02	7.57 p. m.	8.43 p. m.	1.30	.10	.16	.22	.26	.30	.32	.37	.50	.67	.70				
June 5	6.28 a. m.	8.45 a. m.	.53	7.17 a. m.	7.27 a. m.	.12	.10	.36												
June 5	4.58 p. m.	9.15 p. m.	1.37	6.32 p. m.	6.53 p. m.	.17	.08	.30	.62	.94	1.00									
July 6	12.07 a. m.	D. N. a. m.	.62	12.18 a. m.	12.37 a. m.	.01	.21	.36	.45	.54										
Aug. 6	8.38 p. m.	[2] D. N. a. m.	2.36	11.08 p. m.	11.56 p. m.	.50	.06	.21	.49	.81	1.05	1.19	1.40	1.52	1.64	1.68				

[1] On previous date. [2] On following date. [3] Record defective.

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.																				
Springfield, Mo.:																				
Mar. 13	[1]11.41 p. m.	D. N. a. m.	0.80	1.19 a. m.	1.39 a. m.	0.11	0.12	0.28	0.40	0.50										
May 21	10.32 a. m.	2.13 p. m.	.68	1.31 p. m	1.41 p. m.	.26	.25	.35												
May 27	12.10 p. m.	12.57 p. m.	.41	12.35 p. m.	12.43 p. m.	.10	.15	.31												
June 8	2.37 p. m.	8.05 p. m.	.67	5.59 p. m.	6.06 p. m.	.19	.31	.35												
July 14	3.27 p. m.	4.30 p. m.	.73	3.44 p. m.	4.00 p. m.	.01	.25	.47	.67	.72										
July 18	8.40 p. m.	[2]D. N. a. m.	1.25	9.11 p. m.	9.59 p. m.	.04	.19	.39	.51	.56	0.73	0.77	0.82	0.87	1.02	1.08				
July 23	7.29 p. m.	9.45 p. m.	.60	7.50 p. m.	8.08 p. m.	.01	.28	.43	.52	.56										
Aug. 9	D. N. a. m.	D. N. a. m.	.63	1.54 a. m.	2.10 a. m.	.01	.13	.33	.47	.51										
Aug. 20	12.40 p. m.	3.08 p. m.	.80	12.42 p. m.	1.21 p. m.	.01	.33	.45	.49	.51	.58	.63	.69	.74						
Sept. 8	D. N. a. m.	9.18 a. m.	2.13	5.25 a. m.	6.42 a. m.	.22	.17	.32	.35	.43	.60	.75	.92	1.05	1.15	1.26	1.43	1.69		
Sept. 26	3.30 p. m.	[3]8.15 a. m.	1.61	4.18 p. m.	4.44 p. m.	.09	.21	.48	.71	.85	.92	.94								
Iola, Kans.:																				
Mar. 12	2.40 p. m.	9.10 p. m.	1.42	5.41 p. m.	6.11 p. m.	.32	.08	.10	.19	.27	.73	.95								
Mar. 22	10.58 p. m.	[3]12.25 a. m.	.35	11.06 p. m.	11.15 p. m.	.01	.23	.30												
Apr. 27	3.40 p. m.	6.55 p. m.	1.27	4.14 p. m.	4.34 p. m.	.02	.23	.42	.64	.71										
May 21	8.37 p. m.	11.58 p. m.	.54	10.24 p. m.	10.43 p. m.	.07	.23	.27	.38	.45										
May 25	5.25 p. m.	6.35 p. m.	.71	5.44 p. m.	6.09 p. m.	.03	.07	.18	.36	.54	.67									
June 8	2.30 p. m.	3.08 p. m.	.72	2.35 p. m.	2.48 p. m.	.02	.24	.56	.69											
July 18	3.10 p. m.	5.30 p. m.	3.15	3.20 p. m.	4.24 p. m.	.02	.17	.38	.56	.83	1.06	1.41	1.70	2.10	2.38	2.65	2.92	3.02		
Aug. 6	11.00 p. m.	[2]D. N. a. m.	.98	11.14 p. m.	11.39 p. m.	.04	.13	.40	.51	.60	.65									
Aug. 9	[1]11.57 p. m.	12.55 a. m.	.43	12.23 a. m.	12.39 a. m.	.06	.11	.35												
Aug. 14	7.28 a. m.	8.35 a. m.	.55	8.10 a. m.	8.16 a. m.	.18	.34	.37												
Topeka, Kans.:																				
Apr. 27	[1]7.45 p. m.	[3]7.40 a. m.	1.97	2.35 a. m.	2.52 a. m.	.69	.09	.25	.42	.47										
Apr. 28	[3]7.45 p. m.	7.40 a. m.	1.97	5.49 a. m.	6.01 a. m.	1.54	.26	.33	.37											
May 20	8.00 p. m.	D. N. p. m.	1.38	8.48 p. m.	9.48 p. m.	.05	.20	.48	.49	.50	.52	.53	.54	.71	1.05	1.12	1.19	1.31		
June 28	[1]5.05 p. m.	D. N. a. m.	1.41	1.56 a. m.	2.20 a. m.	.58	.12	.26	.53	.60	.69									
Aug. 6	D. N. p. m.	D. N. p. m.	1.18	10.35 p. m.	11.07 p. m.	.06	.17	.23	.35	.43	.64	.97	1.08							
Aug. 8	9.04 p. m.	10.10 p. m.	.69	9.23 p. m.	9.37 p. m.	.02	.14	.52	.65											
Aug. 21	8.37 p. m.	11.10 p. m.	.37	8.37 p. m.	8.48 p. m.	0	.11	.32	.36											
Sept. 26	[1]7.47 p. m.	3.30 p. m.	4.47	12.34 a. m.	1.04 a. m.	.72	.10	.32	.62	.91	1.14	1.31								
Oct. 17	9.08 p. m.	10.50 p. m.	.46	9.23 p. m.	9.37 p. m.	.02	.07	.30	.35											
Drexel, Nebr.:																				
June 4	[1]10.00 p. m.	10.00 a. m.	2.18	12.58 a. m.	1.44 a. m.	.17	.12	.24	.27	.37	.49	.56	.57	.62	.79	.83				
June 25	8.20 p. m.	[3]6.38 a. m.	.82	11.42 p. m.	11.51 p. m.	.18	.27	.37												
July 5	9.12 a. m.	9.39 a. m.	.36	9.12 a. m.	9.17 a. m.	0	.27													
Aug. 6	5.40 p. m.	9.10 p. m.	1.41	6.10 p. m.	6.38 p. m.	.07	.14	.35	.49	.64	.78	.82								
Lincoln, Nebr.:																				
June 26	9.45 p. m.	[2]6.44 a. m.	1.93	10.26 p. m.	11.29 p. m.	.01	.06	.20	.29	.36	.38	.39	.40	.40	.47	.56	.96	1.06		
June 27	[1]9.45 p. m.	6.44 a. m.	1.93	1.53 a. m.	2.22 a. m.	1.16	.13	.33	.42	.54	.64	.72								
Aug. 4	4.57 p. m.	6.52 p. m.	.60	5.19 p. m.	5.31 p. m.	.10	.17	.33	.38											
Aug. 6	5.45 p. m.	8.10 p. m.	.93	6.58 p. m.	7.14 p. m.	.13	.18	.43	.61	.66										
Sept. 6	10.15 p. m.	[3]1.00 a. m.	1.47	11.23 p. m.	11.52 p. m.	.16	.12	.26	.55	.98	1.22	1.28								
Omaha, Nebr.:																				
June 4	5.20 a. m.	9.30 a. m.	1.00	6.38 a. m.	6.53 a. m.	.37	.16	.31	.36											
Aug. 6	6.30 p. m.	9.30 p. m.	1.08	6.47 p. m.	7.11 p. m.	.01	.23	.39	.61	.67	.75									
Aug. 19	2.50 p. m.	4.10 p. m.	.70	3.05 p. m.	3.31 p. m.	.01	.09	.19	.36	.50	.64	.66								
Valentine, Nebr.[4]																				
Sioux City, Iowa:																				
Apr. 17	7.01 p. m.	11.45 p. m.	.85	10.36 p. m.	11.21 p. m.	.07	.10	.30	.35	.46	.51	.55	.59	.65	.73					
May 18	9.50 p. m.	11.00 p. m.	.66	9.53 p. m.	10.10 p. m.	.01	.12	.33	.47	.50										
Aug. 6	12.35 p. m.	7.45 p. m.	1.88	1.51 p. m.	2.33 p. m.	.14	.12	.25	.34	.39	.40	.46	.57	.66	.70					
Huron, S. Dak.:																				
June 10	9.50 p. m.	D. N. p. m.	.73	10.07 p. m.	10.22 p. m.	.01	.13	.30	.52											
July 30–31	11.25 p. m.	D. N. a. m.	2.21	11.58 p. m.	12.50 a. m.	.03	.14	.21	.27	.62	.96	1.34	1.52	1.58	1.75	1.88	1.94			
July 31	2.55 p. m.	3.30 p. m.	.81	2.57 p. m.	3.15 p. m.	.01	.22	.46	.74	.78										
Pierre, S. Dak.:																				
July 30	5.10 p. m.	9.50 p. m.	2.30	7.46 p. m.	9.26 p. m.	.01	.36	.59	.77	.90	1.06	1.19	1.20	1.20	1.20	1.21	1.39	1.91	2.25	
Sept. 18	3.35 p. m.	5.50 p. m.	1.36	4.08 p. m.	4.33 p. m.	.35	.05	.16	.42	.66	.80									
Yankton, S. Dak.:																				
June 22	11.05 p. m.	[2]1.00 a. m.	.73	11.08 p. m.	11.38 p. m.	.01	.16	.37	.44	.46	.50	.59								
July 21	9.30 p. m.	10.40 p. m.	1.02	9.34 p. m.	10.07 p. m.	.02	.15	.31	.60	.80	.82	.92	.99							
Aug. 2	4.05 a. m.	7.10 a. m.	.96	4.47 a. m.	5.03 a. m.	.04	.20	.30	.45	.48										
Sept. 18	3.10 p. m.	5.20 p. m.	1.66	3.55 p. m.	5.01 p. m.	.17	.11	.29	.55	.70	.85	.99	1.01	1.03	1.14	1.21	1.34	1.49		
NORTHERN SLOPE.																				
Havre, Mont.[4]																				
Helena, Mont.[4]																				
Kalispell, Mont.[4]																				
Rapid City, S. Dak.:																				
June 4	8.05 p. m.	8.55 p. m.	.42	8.09 p. m.	8.16 p. m.	.01	.35	.39												
Aug. 6	8.50 p. m.	D. N. a. m.	1.04	3.02 a. m.	3.36 a. m.	.41	.05	.19	.22	.27	.41	.51	.56							
Cheyenne, Wyo.:																				
Aug. 19	11.50 a. m.	2.20 p. m.	.65	12.08 p. m.	12.30 p. m.	.03	.17	.25	.41	.51	.56									
Lander, Wyo.[4]																				
Sheridan, Wyo.[4]																				
Yellowstone Park, Wyo.[4]																				
North Platte, Nebr.:																				
May 25	[1]11.35 p. m.	6.10 a. m.	.95	2.54 a. m.	3.09 a. m.	.34	.06	.32	.53											
May 25	2.40 p. m.	4.55 p. m.	.72	2.42 p. m.	2.55 p. m.	.01	.29	.45	.49											
June 4	7.45 p. m.	[3]4.15 a. m.	1.02	7.57 p. m.	8.25 p. m.	.01	.10	.25	.36	.49	.54	.60								
Aug. 21	6.31 a. m.	7.12 a. m.	.60	6.43 a. m.	7.01 a. m.	.02	.17	.35	.53	.58										

[1] On previous date. [2] On following date. [3] On second previous date. [4] No excessive precipitation.

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.	1 in.
MIDDLE SLOPE.																				
Denver, Colo.[1]																				
Pueblo, Colo.:																				
May 30	3.05 p. m.	4.40 p. m.	0.52	3.43 p. m.	3.54 p. m.	0.04	0.19	0.43	0.46											
Sept. 7	3.55 p. m.	4.55 p. m.	.72	4.03 p. m.	4.31 p. m.	.01	.09	.21	.29	0.40	0.59	0.67								
Concordia, Kans.:																				
May 30	12.17 a. m.	6.08 a. m.	1.02	12.54 a. m.	1.06 a. m.	.28	.12	.32	.36											
June 5	3.40 a. m.	4.10 a. m.	1.26	3.44 a. m.	4.03 a. m.	.01	.19	.56	.98	1.24										
Aug. 22	8.36 p. m.	9.12 p. m.	.38	8.39 p. m.	8.54 p. m.	.01	.13	.26	.35											
Dodge City, Kans.:																				
June 5	2.13 p. m.	3.00 p. m.	.49	2.17 p. m.	2.32 p. m.	T.	.13	.32	.42											
July 31	4.10 p. m.	5.25 p. m.	.95	4.16 p. m.	4.41 p. m.	T.	.05	.18	.61	.82	.90									
Aug. 7	7.30 p. m.	9.15 p. m.	1.12	8.12 p. m.	8.53 p. m.	.21	.18	.43	.48	.48	.49	.51	0.69	0.86	0.90					
Aug. 15	[2] 11.35 p. m.	D. N. a. m.	.73	12.14 a. m.	12.41 a. m.	.12	.13	.15	.20	.34	.48	.52								
Wichita, Kans.:																				
May 25	2.40 p. m.	3.15 p. m.	.42	2.53 p. m.	3.05 p. m.	.02	.13	.28	.40											
July 19	[3] D. N. p. m.	D. N. a. m.	.87	1.33 a. m.	2.05 a. m.	.02	.06	.16	.31	.50	.67	.79	.83							
Aug. 6	8.50 p. m.	[3] D. N. a. m.	1.21	9.25 p. m.	9.57 p. m.	.12	.09	.19	.34	.52	.78	1.05	1.09							
Oklahoma, Okla.:																				
July 17	1.04 p. m.	1.34 p. m.	.40	1.06 p. m.	1.16 p. m.	.01	.24	.36												
July 18	10.10 p. m.	11.20 p. m.	1.23	10.15 p. m.	10.45 p. m.	.01	.13	.31	.55	.79	1.04	1.13								
Aug. 13	2.33 a. m.	6.30 a. m.	.78	2.36 a. m.	2.51 a. m.	.01	.15	.44	.70											
SOUTHERN SLOPE.																				
Abilene, Tex.:																				
May 10	2.50 p. m.	[2] D. N. a. m.	.79	3.07 p. m.	3.21 p. m.	.02	.24	.36	.48											
May 19	6.35 p. m.	D. N. p. m.	1.10	6.53 p. m.	7.18 p. m.	.03	.17	.28	.34	.45	.51									
Sept. 26	4.30 p. m.	4.55 p. m.	.47	4.38 p. m.	4.51 p. m.	.01	.27	.42	.46											
Amarillo, Tex.:																				
July 16	2.40 a. m.	D. N. a. m.	.87	2.50 a. m.	3.15 a. m.	.01	.12	.31	.50	.62	.67									
Aug. 13	D. N. a. m.	7.20 a. m.	1.02	12.43 a. m.	1.00 a. m.	.01	.16	.31	.44	.46										
Aug. 19	D. N. a. m.	7.27 a. m.	1.03	2.03 a. m.	2.30 a. m.	.01	.12	.29	.37	.41	.54	.57								
Sept. 14	5.15 p. m.	[3] D. N. a. m.	1.08	5.44 p. m.	6.16 p. m.	.01	.05	.17	.29	.38	.48	.53	.59							
Del Rio, Tex.:																				
Apr. 18	7.45 p. m.	10.20 p. m.	1.37	8.06 p. m.	8.41 p. m.	.05	.10	.18	.30	.44	.52	.58	.65							
Apr. 27	3.24 p. m.	4.15 p. m.	.60	3.26 p. m.	3.48 p. m.	.01	.15	.20	.33	.49	.55									
May 19	9.10 p. m.	11.45 p. m.	1.10	9.19 p. m.	9.36 p. m.	.04	.30	.44	.52	.54										
June 24	7.20 p. m.	10.45 p. m.	1.05	7.25 p. m.	7.54 p. m.	.01	.14	.39	.53	.65	.73	.77								
Aug. 24	4.05 p. m.	4.40 p. m.	.58	4.07 p. m.	4.31 p. m.	.01	.06	.18	.34	.45	.55									
Roswell, N. Mex.:																				
Aug. 1	12.52 p. m.	1.47 p. m.	.54	12.57 p. m.	1.13 p. m.	.01	.12	.30	.45	.49										
Aug. 18	2.52 a. m.	4.45 a. m.	.93	3.20 a. m.	3.56 a. m.	.06	.08	.19	.26	.40	.51	.61	.69	.73						
SOUTHERN PLATEAU.																				
El Paso, Tex.:																				
Aug. 12	4.30 p. m.	9.40 p. m.	.63	4.43 p. m.	5.02 p. m.	.01	.11	.29	.50	.58										
Aug. 13	10.10 p. m.	[2] D. N. a. m.	1.00	10.31 p. m.	10.46 p. m.	.02	.14	.29	.37											
Aug. 15	10.35 p. m.	[3] D. N. a. m.	1.12	10.50 p. m.	11.07 p. m.	.01	.21	.64	.86	.92										
Santa Fe, N. Mex.[1]																				
Phoenix, Ariz.:																				
July 26	8.13 p. m.	10.50 p. m.	1.38	8.20 p. m.	9.09 p. m.	.01	.14	.30	.48	.64	.74	.88	.95	1.03	1.17	1.28				
July 29 [4]	2.50 a. m.	9.50 a. m.	1.60	3.00 a. m.	4.10 a. m.	.01											1.02			
MIDDLE PLATEAU.																				
Reno, Nev.[1]																				
Tonopah, Nev.[1]																				
Winnemucca, Nev.[1]																				
Modena, Utah[1]																				
Salt Lake City, Utah[1]																				
Grand Junction, Colo.[1]																				
NORTHERN PLATEAU.																				
Baker, Oreg.[1]																				
Boise, Idaho[1]																				
Lewiston, Idaho[1]																				
Pocatello, Idaho[1]																				
Spokane, Wash.[1]																				
Walla Walla, Wash.[1]																				
NORTH PACIFIC COAST REGION.																				
North Head, Wash.[1]																				
Port Angeles, Wash.[1]																				
Tatoosh Island, Wash.[1]																				
Seattle, Wash.:																				
June 23	5.45 p. m.	[3] 5.15 a. m.	1.10	7.08 p. m.	7.26 p. m.	.03	.12	.35	.51	.57										
Tacoma, Wash.[1]																				
Portland, Oreg.[1]																				
Roseburg, Oreg.[1]																				

[1] No excessive precipitation. [2] On previous date. [3] On following date. [4] Record defective.

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.	90 min.	100 min.	120 min.
MIDDLE PACIFIC COAST REGION.																				
Eureka, Cal.[1]																				
Mount Tamalpais, Cal.:																				
Feb. 20	[2] D. N. p. m.	12.35 p. m.	1.61	12.30 a. m.	12.53 a. m.	0.71	0.05	0.11	0.30	0.45	0.49									
Point Reyes Light, Cal.[1]																				
Red Bluff, Cal.:																				
Mar. 29	9.53 a. m.	1.10 p. m.	.50	12.49 p. m.	1.04 p. m.	.08	.07	.18	.41											
Sacramento, Cal.[1]																				
San Francisco, Cal.[1]																				
San Jose, Cal.[1]																				
SOUTH PACIFIC COAST REGION.																				
Fresno, Cal.[1]																				
Los Angeles, Cal.[1]																				
San Diego, Cal.[1]																				
San Luis Obispo, Cal.[1]																				
ISLAND POSSESSIONS.																				
Honolulu, Hawaii:																				
Jan. 9	10.36 p. m.	[3] 8.58 a. m.	1.78	10.35 p. m.	10.49 p. m.	.01	.29	.47	.50											
Jan. 10	[2] 10.36 p. m.	8.58 a. m.	1.78	6.01 a. m.	6.16 a. m.	1.08	.06	.33	.46											
Jan. 16	D.N.a.m.	2.55 p. m.	2.57	2.28 a. m.	3.18 a. m.	.04	.09	.17	.22	.29	.37	0.46	0.55	0.62	0.71	0.79				
Jan. 19	3.47 p. m.	7.12 p. m.	1.51	4.22 p. m.	4.54 p. m.	.05	.12	.22	.27	.34	.38	.52	.57							
Jan. 19	3.47 p. m.	7.12 p. m.	1.51	6.09 p. m.	6.29 p.m.	.73	.06	.20	.39	.58										
Feb. 18	4.37 p. m.	7.32 p. m.	.52	5.05 p. m.	5.20 p. m.	.01	.21	.31	.40											
Mar. 19	9.58 a. m.	[3] 6.50 a. m.	13.36	1.18 p. m.	2.06 p. m.	.36	.06	.26	.48	.72	.89	.99	1.07	1.25	1.34	1.38				
Mar. 19	9.58 a. m.	[3] 6.50 a. m.	13.36	3.48 p. m.	4.52 p. m.	1.83	.22	.43	.52	.72	1.03	1.21	1.33	1.54	1.74	1.98	2.27	2.41		
Mar. 19	9.58 a. m.	[3] 6.50 a. m.	13.36	5.26 p. m.	6.12 p. m.	4.32	.06	.33	.49	.62	.73	.85	1.00	1.15	1.29	1.35				
Mar. 19	9.58 a. m.	[3] 6.50 a. m.	13.36	9.29 p. m.	9.56 p. m.	6.38	.13	.25	.63	.95	1.21	1.24								
Mar. 19	9.58 a. m.	[3] 6.50 a. m.	13.36	11.04 p. m.	11.34 p. m.	7.91	.06	.14	.27	.39	.51	.65								
May 30	7.11 p. m.	10.45 p. m.	.75	7.37 p. m.	7.58 p. m.	.05	.07	.20	.31	.45	.51									
Nov. 24	D. N. a. m.	D.N. a. m.	.70	1.28 a. m.	1.32 a. m.	.01	.26													
Dec. 5	9.15 p. m.	D.N.p. m.	1.32	10.17 p. m.	11.24 p. m.	.02	.10	.19	.28	.42	.52	.58	.66	.79	1.07	1.10	1.18	1.30		
Dec. 27	[2] D.N. p. m.	7.41 a. m.	.55	3.10 a. m.	3.28 a. m.	.08	.19	.32	.36	.42										
Dec. 29	D.N. a. m.	6.58 a. m.	.88	2.12 a. m.	2.17 a. m.	.04	.26													
San Juan, P. R.:																				
May 2	3.40 p. m.	4.25 p. m.	.54	3.51 p. m.	4.13 p. m.	.02	.05	.15	.31	.48	.52									
May 6	2.57 p. m.	5.00 p. m.	.85	3.00 p. m.	3.17 p. m.	.01	.18	.38	.52	.57										
May 10	7.10 p. m.	[3] D.N. a. m.	2.71	8.37 p. m.	9.27 p. m.	.18	.09	.31	.66	.99	1.17	1.38	1.66	1.89	2.12	2.28				
May 11	3.25 p. m.	4.35 p. m.	.73	3.30 p. m.	3.50 p. m.	.01	.29	.50	.57	.65										
June 27	1.07 p. m.	3.50 p. m.	.73	1.09 p. m.	1.32 p. m.	.01	.10	.29	.48	.53	.61									
June 28	[2] 11.30 p. m.	7.10 a. m.	.78	3.46 a. m.	4.05 a. m.	.14	.09	.25	.49	.61										
July 7	D.N. a. m.	D.N. a. m.	.49	1.33 a. m.	1.56 a. m.	.03	.08	.18	.34	.43	.46									
July 7	12.02 p. m.	1.05 p. m.	.41	12.12 p. m.	12.22 p. m.	.03	.16	.34												
July 8	6.17 p. m.	6.40 p. m.	.35	6.21 p. m.	6.30 p. m.	.01	.16	.31												
Sept. 2	10.55 p. m.	[3] D.N. a. m.	.81	10.58 p. m.	11.14 p. m.	.01	.29	.54	.69	.73										
Sept. 12	12.35 p. m.	1.20 p. m.	.56	12.40 p. m.	1.06 p. m.	.02	.08	.14	.32	.46	.51	.54								
Nov. 19	10.30 a. m.	2.30 p. m.	1.88	10.33 a. m.	11.38 a. m.	.01	.11	.22	.26	.32	.39	.43	.46	.51	.58	.67	.89	1.03		
Nov. 19	8.35 p. m.	9.03 p. m.	.46	8.40 p. m.	8.50 p. m.	.02	.27	.41												
Nov. 20	11.50 a. m.	12.08 p. m.	.28	12.01 p. m.	12.06 p. m.	.02	.26													
Nov. 20	1.15 p. m.	8.35 p. m.	2.22	5.29 p. m.	6.44 p. m.	.67	.06	.13	.18	.31	.48	.53	.59	.65	.69	.83	1.14	1.47		

[1] No excessive precipitation. [2] On previous date. [3] On following date.

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PART III.

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR TWO HUNDRED AND ELEVEN STATIONS DURING 1917.

EXPLANATION OF THE TABLES.

For a detailed account of the method of reducing the observed barometric pressures the readers 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, except at Honolulu and stations in Alaska.

The extremes are determined from the barograph trace.

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) $\Delta\ A$. 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 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 time in local use. The monthly means have been obtained by dividing the sum of the mean maximum and mean minimum temperature 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 at 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, where the 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 determine the average cloudiness on the scale given above, 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.

Number of days.—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 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 corresponding corrections have been applied to the observed readings, 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, 1917.

ABILENE, TEX.

[ϕ=32° 23′ N.; λ=99° 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	28.246	28.720	27.850	39.7	48.8	57.6	34.5	46.0	81	17	26	25	62	45	0.156	0.144	0.71	0.54	5.3	5.2	5.8
February	28.263	28.850	27.860	39.0	54.2	63.4	36.3	49.8	91	12	21	21	51	32	.123	.125	1.00	.98	3.7	4.4	4.5
March	28.187	28.710	27.786	45.5	64.4	70.7	42.8	56.8	90	16	28	23	54	27	.185	.152	.27	.20	3.2	3.3	3.4
April	28.096	28.440	27.740	52.8	72.0	77.4	50.6	64.0	95	34	39	34	62	28	.260	.224	.93	.34	3.3	2.7	3.0
May	28.091	28.470	27.736	59.2	74.7	78.9	56.3	67.6	97	39	48	42	69	38	.348	.290	3.31	1.10	5.2	3.4	4.5
June	28.164	28.573	27.874	71.0	89.0	93.0	67.5	80.2	104	53	57	48	63	27	.490	.352	.69	.67	3.7	2.8	3.2
July	28.146	28.310	28.006	76.0	92.5	96.8	73.2	85.0	104	66	63	56	65	30	.573	.452	.90	.80	3.4	3.2	4.1
August	28.170	28.320	27.950	73.8	90.2	96.1	71.5	83.8	104	53	60	54	64	32	.536	.433	1.24	.57	4.7	4.1	4.3
September	28.226	28.410	28.080	65.7	80.2	88.2	64.3	76.2	96	46	57	55	76	44	.490	.447	1.48	.61	3.2	4.5	4.2
October	28.235	28.740	27.721	51.4	68.8	79.2	48.2	63.7	97	23	33	30	50	25	.212	.180	.15	.15	1.7	1.4	1.9
November	28.361	28.650	28.040	47.7	61.3	70.9	44.4	57.6	81	31	34	35	60	40	.212	.213	.16	.12	3.2	2.3	3.5
December	28.323	28.790	27.812	32.2	43.1	52.6	28.0	40.3	82	8	22	24	66	48	.140	.137	.01	.01	3.6	2.6	3.9
Year	28.209	28.850	27.721	54.5	69.9	77.1	51.5	64.2	104	8	41	37	62	35	.310	.262	10.85	1.10	3.7	3.3	3.9

ALBANY, N. Y.

[ϕ=42° 39′N.; λ=73° 45′ W.]

January	29.899	30.660	29.180	22.8	26.0	32.5	16.9	24.7	48	−2	16	18	76	72	0.099	0.105	1.67	0.44	6.3	5.7	6.5
February	29.841	30.440	29.023	17.2	22.0	29.0	11.6	20.3	45	−12	12	13	79	67	.084	.085	2.41	.61	6.6	4.5	5.4
March	29.947	30.449	29.350	30.8	34.8	41.5	26.3	23.9	59	9	24	25	74	66	.131	.135	3.14	.93	5.7	5.1	5.2
April	29.849	30.288	29.150	41.0	46.7	53.3	37.2	45.2	75	26	32	31	69	54	.183	.178	1.38	.59	6.9	5.3	5.1
May	29.723	30.150	29.440	48.5	52.3	58.3	43.8	51.0	77	38	38	39	69	63	.234	.242	2.83	.90	6.7	6.7	6.3
June	29.881	30.190	29.600	64.1	68.0	75.2	58.1	66.6	86	51	56	57	76	69	.456	.473	3.00	.78	4.9	5.8	5.5
July	29.842	30.124	29.550	70.1	74.5	82.5	64.2	73.4	99	55	62	62	77	68	.572	.576	1.70	.52	4.9	4.2	4.9
August	29.896	30.211	29.450	68.7	73.0	82.4	63.3	72.8	98	53	61	62	77	68	.545	.556	2.70	.94	3.8	4.1	4.4
September	30.006	30.460	29.390	53.8	61.8	71.0	50.0	60.5	82	36	49	50	84	65	.356	.365	1.36	.60	4.5	2.2	3.8
October	29.932	30.319	29.240	45.6	48.8	56.3	40.2	48.2	71	32	40	38	79	69	.251	.239	5.63	1.67	6.1	5.9	6.4
November	29.987	30.560	29.366	31.6	36.1	42.7	28.0	35.4	57	10	26	26	78	66	.142	.145	.93	.83	4.4	4.7	5.3
December	30.137	30.750	29.020	14.2	18.1	25.2	9.1	17.2	42	−19	10	10	82	68	.076	.076	1.91	1.01	5.5	4.0	5.2
Year	29.912	30.750	29.020	42.4	46.8	54.2	37.4	45.8	99	−19	36	36	77	66	.261	.265	28.66	1.67	5.5	4.8	5.3

ALPENA, MICH.

[ϕ=45° 05′ N.; λ=83° 30′ W.]

January	29.265	30.120	28.620	14.9	18.2	24.9	9.5	17.2	45	−11	13	14	90	83	0.084	0.085	1.13	0.56	7.5	6.1	6.7
February	29.276	29.970	28.510	5.9	10.8	18.7	0.3	9.5	44	−18	4	7	89	82	.054	.061	.73	.32	7.0	5.8	4.6
March	29.282	29.860	28.480	23.8	28.3	34.4	19.5	27.0	61	−4	20	22	84	78	.114	.126	1.56	.44	7.0	6.5	5.5
April	29.346	29.760	28.870	33.8	36.8	42.8	29.9	36.4	78	18	29	29	81	74	.160	.166	2.02	.68	6.3	5.6	5.6
May	29.247	29.560	28.480	44.0	48.1	53.5	37.8	45.6	79	31	35	34	72	62	.206	.206	3.04	1.29	6.4	6.0	5.8
June	29.307	29.580	28.910	55.6	58.2	64.9	47.6	56.2	85	39	49	49	80	73	.358	.355	3.30	.74	6.4	5.4	5.2
July	29.263	29.550	28.950	65.0	67.9	74.8	58.3	66.6	101	46	58	60	80	77	.500	.523	2.54	1.07	5.0	4.4	4.3
August	29.327	29.590	28.770	60.9	64.2	71.7	53.0	62.4	89	41	55	56	82	76	.447	.461	2.15	.67	5.2	5.2	4.7
September	29.470	29.810	28.980	50.9	56.4	64.3	45.2	54.8	78	36	47	50	87	79	.330	.366	1.38	.84	5.6	3.8	4.2
October	29.296	29.720	28.630	37.9	41.6	46.8	34.0	40.4	66	27	34	36	86	80	.201	.213	4.14	1.12	8.0	7.5	7.0
November	29.489	30.020	28.600	29.7	33.7	38.9	26.5	32.7	64	11	27	29	89	82	.151	.166	.81	.47	6.3	4.1	5.7
December	29.502	30.030	28.650	15.3	18.6	23.0	10.9	17.0	38	−8	12	16	86	86	.082	.093	.79	.46	8.1	6.9	6.6
Year	29.339	30.120	28.480	36.5	40.2	46.6	31.0	38.8	101	−18	32	34	84	78	.224	.235	23.79	1.29	6.6	5.6	5.5

AMARILLO, TEX.

[ϕ=35° 13′ N.; λ=101° 50′ W.]

January	26.247	26.710	25.770	28.5	38.4	48.5	24.6	36.6	72	5	22	22	76	55	0.118	0.121	0.99	0.44	4.5	4.5	3.8
February	26.281	26.760	25.710	29.8	45.2	54.4	26.8	40.6	83	4	21	22	69	43	.113	.120	.22	.22	3.2	4.7	3.2
March	26.215	26.690	25.840	32.3	56.1	63.1	29.4	46.2	86	6	22	18	67	27	.119	.099	.25	.25	4.7	2.7	3.0
April	26.179	26.500	25.761	42.0	62.0	69.4	40.3	54.8	90	26	33	30	70	34	.191	.175	.71	.43	4.4	3.9	3.1
May	26.182	26.630	25.770	48.6	65.7	70.5	45.8	58.2	89	30	42	44	80	50	.273	.302	2.49	1.02	4.5	4.1	3.3
June	26.294	26.717	25.944	62.3	83.1	89.0	58.1	73.6	100	38	50	41	65	26	.366	.273	.83	.55	2.2	2.6	2.2
July	26.282	26.540	26.110	68.8	86.5	92.6	66.3	79.4	100	58	58	54	70	36	.432	.424	2.66	1.33	3.1	3.5	2.7
August	26.324	26.550	26.100	64.3	79.7	85.2	62.7	74.9	96	49	58	59	82	52	.495	.508	6.17	1.56	4.9	4.2	3.8
September	26.357	26.610	26.127	59.0	72.5	81.3	57.5	69.4	94	40	54	56	86	57	.430	.446	2.95	1.17	3.7	3.7	3.8
October	26.315	26.830	25.740	43.6	59.6	71.9	39.5	55.7	92	15	31	32	68	37	.184	.191	.34	.29	3.6	1.5	2.7
November	26.429	26.700	26.060	39.2	53.4	64.2	37.5	50.8	79	28	32	33	76	50	.182	.194	.59	.44	3.5	2.4	2.6
December	26.325	26.720	25.890	24.6	39.4	52.3	19.9	36.1	77	1	18	22	77	52	.103	.122	.04	.04	3.2	1.8	2.6
Year	26.286	26.830	25.710	45.2	61.8	70.2	42.4	56.3	100	1	37	36	73	43	.255	.248	17.06	1.56	3.8	3.3	3.1

Annual meteorological summary for the year ending December 31, 1917—Continued.

ABILENE, TEX.

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

Month.	Wind.					Number of days.																								
	By self-register.					Number of winds, 8 a. m. and 8 p. m.									Clear.	Partly cloudy.	Cloudy.	Precipitation.		Snow.		Hail.	Dense fog.	Maximum temp.		Minimum temperature 32° or below.	Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction of time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.				0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 or more melted.			32° or below.	90° or above.		Thunderstorm.	Aurora.
	Miles		*Mi.*																											
January	11.4	SW.	39	W.	0	10	4	1	2	14	21	5	5	0	11	5	15	4	2	3	1	0	0	5	0	14	0	0
February	10.9	S.	41	N.	1	10	4	1	4	15	11	6	5	0	13	7	8	3	1	0	0	0	0	1	1	9	1	0
March	13.9	S.	39	S.	0	11	3	0	8	19	11	3	7	0	19	6	6	3	3	1	1	0	0	0	0	8	1	0
April	13.9	S.	40	NW.	1	7	10	2	9	17	5	4	6	0	19	7	4	5	4	0	0	3	0	0	3	0	7	0
May	11.7	S.	37	SE.	0	8	7	6	12	14	8	4	3	0	15	4	12	10	7	0	0	2	0	0	7	0	9	0
June	11.6	S.	47	NW.	1	2	4	3	19	22	7	1	2	0	17	9	4	2	1	0	0	0	0	0	21	0	3	0
July	10.5	S.	34	S.	0	2	0	6	15	28	10	0	0	1	14	13	4	3	2	0	0	0	0	0	30	0	6	0
August	8.6	S.	35	NW.	0	6	6	4	14	27	2	1	1	1	13	15	3	9	6	0	0	0	0	0	27	0	9	0
September	7.9	S.	31	SW.	0	4	4	8	16	18	3	3	2	2	13	10	7	7	6	0	0	0	0	0	10	0	5	0
October	11.6	S.	38	NE.	0	16	2	0	2	22	17	1	2	0	24	7	0	1	1	0	0	0	0	0	10	4	0	0
November	9.2	S.	28	S.	0	11	3	0	17	20	1	4	4	0	17	7	6	4	1	0	0	0	0	0	0	1	2	0
December	9.6	S.	32	NW.	0	15	6	3	4	18	8	1	7	0	15	11	5	1	0	0	0	0	2	1	0	18	0	0
Year	10.9	S.	47	NW.	3	102	53	34	122	234	104	33	44	4	190	101	74	52	34	4	2	5	2	7	109	54	43	0

ALBANY, N. Y.

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

January	7.9	S.	28	S.	0	6	8	0	1	24	4	3	16	0	9	5	17	11	7	15	8	0	1	14	0	29	0	0
February	8.8	NW.	33	S.	0	6	8	0	4	19	2	1	16	0	9	11	8	11	7	13	6	0	0	18	0	28	0	0
March	8.9	S.	35	S.	0	8	2	0	2	20	7	1	22	0	11	10	10	13	10	12	9	0	0	3	0	24	0	0
April	8.4	NW.	27	S.	0	9	2	0	1	17	1	6	24	0	10	12	8	8	6	1	0	0	0	0	0	5	2	0
May	8.3	NW.	29	S.	0	17	1	1	1	17	4	4	17	0	8	11	12	15	11	1	0	0	0	0	0	0	4	0
June	6.7	S.	28	S.	0	6	2	1	2	29	3	5	12	0	9	12	9	16	13	0	0	0	0	0	0	0	8	0
July	6.0	S.	22	S.	0	3	5	1	3	37	4	1	8	0	9	16	6	9	7	0	0	1	2	0	5	0	6	0
August	6.5	S.	24	S.	0	3	10	1	4	31	1	2	10	0	14	12	5	10	8	0	0	0	2	0	2	0	8	0
September	5.5	S.	22	S.	0	8	6	3	2	27	1	1	12	0	15	12	3	8	6	0	0	0	4	0	0	0	1	0
October	8.2	S.	33	S.	0	5	5	1	5	29	2	4	11	0	9	6	16	14	12	0	0	0	1	0	0	2	2	0
November	7.3	NW.	24	S.	0	10	4	1	3	16	3	4	19	0	14	5	11	4	3	4	2	0	0	5	0	22	0	1
December	8.3	NW.	29	S.	0	15	5	0	2	16	4	2	18	0	13	8	10	6	5	11	4	0	3	20	0	30	0	0
Year	7.6	S.	35	S.	0	96	58	9	30	282	36	34	185	0	130	120	115	125	95	37	29	1	13	60	7	140	31	1

ALPENA, MICH.

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

January	12.9	W.	43	E.	1	6	2	4	3	3	13	19	12	0	4	13	14	12	6	24	12	0	2	20	0	31	0	1
February	13.6	NW.	45	W.	1	0	1	2	4	3	7	20	19	0	11	10	7	9	5	21	9	0	0	26	0	28	0	1
March	15.0	NW.	48	E.	7	6	3	4	10	3	10	8	18	0	8	11	12	12	9	17	7	0	1	12	0	28	1	1
April	13.7	NW.	45	SE.	1	8	7	5	11	1	1	6	21	0	7	12	11	11	9	10	3	0	2	3	0	19	0	2
May	13.7	NW.	41	W.	1	12	9	5	8	2	1	1	24	0	9	11	11	7	6	5	4	0	2	0	0	3	2	1
June	10.9	SE.	46	E.	2	4	5	5	12	3	7	8	16	0	9	13	8	18	16	0	0	0	0	0	0	0	8	1
July	8.2	SE.	38	SE.	0	5	3	4	14	5	6	11	14	0	13	12	6	9	7	0	0	0	0	4	0	8	8	2
August	9.9	NW.	31	SE.	0	4	0	3	10	4	11	8	22	0	8	17	6	11	9	0	0	0	1	0	0	0	9	10
September	9.0	NW.	37	S.	0	8	7	3	12	3	7	8	12	0	13	11	6	7	4	0	0	1	1	0	0	0	1	3
October	12.8	NW.	43	SE.	2	4	7	5	5	5	11	12	13	0	1	16	14	19	16	7	3	0	0	0	0	14	1	1
November	9.8	NW.	40	NW.	1	9	6	1	7	3	7	13	14	0	10	7	13	7	3	7	4	0	0	5	0	25	0	0
December	12.8	NW.	40	NW.	1	3	3	1	4	14	6	19	12	0	3	15	13	15	4	22	13	0	3	22	0	30	0	0
Year	11.9	NW.	48	E.	17	69	53	42	100	49	87	133	197	0	96	148	121	137	94	113	55	1	19	88	4	178	30	23

AMARILLO, TEX.

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

January	12.1	SW.	40	SW.	1	9	3	1	5	11	16	13	4	0	22	6	3	6	5	6	5	0	0	5	0	24	0	1
February	12.7	SW.	42	SW.	2	10	4	2	6	3	10	13	8	0	20	8	0	1	1	1	1	0	0	1	0	20	0	0
March	12.5	SW.	44	SW.	1	9	3	1	7	11	18	4	9	0	25	4	2	1	1	4	1	0	0	2	0	21	0	0
April	14.1	S.	42	NW.	2	6	5	3	12	14	6	1	13	0	24	6	0	6	4	1	0	0	0	0	1	4	3	0
May	12.1	SE.	37	SW.	0	5	4	8	15	9	12	2	7	0	21	6	4	9	6	2	2	1	0	0	0	3	3	0
June	12.5	SE.	40	N.	1	7	2	4	19	13	12	0	3	0	23	7	0	3	2	0	0	1	0	0	17	0	5	0
July	11.3	SE.	32	S.	0	5	5	4	18	14	10	3	3	0	23	8	0	7	6	0	0	0	0	23	0	8	0	0
August	9.6	S.	39	S.	0	5	8	5	18	14	8	3	1	0	19	9	3	15	13	0	0	1	2	0	7	0	14	0
September	8.9	SE.	35	N.	0	9	5	6	18	11	9	0	2	0	19	5	6	9	8	0	0	0	0	6	0	7	0	0
October	12.5	SW.	39	NW.	0	13	5	2	3	10	14	4	11	0	27	4	0	2	2	2	1	0	0	1	10	0	0	0
November	10.4	NW.	33	NW.	0	6	3	3	8	13	7	7	13	0	25	3	2	4	4	1	1	1	0	0	3	1	0	0
December	10.5	N.	34	NW.	0	15	4	0	6	10	10	5	12	0	29	1	1	1	1	2	1	0	0	4	0	26	0	0
Year	11.6	SE.	44	SW.	7	99	51	39	135	133	132	55	86	0	277	67	21	64	53	19	12	4	2	12	55	131	41	1

Annual meteorological summary for the year ending December 31, 1917—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.	5 p. m.	Total.	maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.324	29.720	28.870	44.5	50.2	57.7	40.2	49.0	74	20	41	....	89	....	0.288	.....	7.45	1.80	6.6	5.9	6.0
February	29.342	29.770	28.980	40.6	46.1	57.6	35.2	46.4	81	6	34	....	78	....	.244	.....	7.10	1.99	5.4	4.4	4.7
March	29.346	29.800	29.040	48.8	56.7	66.0	42.1	54.6	80	21	42	....	77	....	.288	.....	12.49	3.03	5.0	4.5	4.5
April	29.221	29.560	28.860	56.8	65.0	75.9	49.3	62.6	88	33	48	....	74	....	.358	.....	4.17	2.90	4.6	3.8	3.9
May	29.212	29.390	28.870	58.1	67.1	76.3	49.9	63.1	90	36	49	....	73	....	.365	.....	1.68	.54	4.4	3.3	3.1
June	29.300	29.500	29.030	70.8	75.7	87.1	62.9	75.0	96	47	63	....	78	....	.500	.....	5.97	1.61	4.3	4.2	4.0
July	29.263	29.490	28.970	73.5	77.0	87.7	67.6	77.6	94	61	69	....	86	....	.707	.....	5.03	1.12	5.9	5.0	4.8
August	29.254	29.440	28.980	71.2	74.4	85.6	65.2	75.4	93	50	67	....	87	....	.668	.....	11.17	3.92	4.0	3.8	3.8
September	29.288	29.480	28.910	65.8	69.3	80.9	61.1	71.0	92	45	60	....	83	....	.535	.....	4.83	2.66	4.8	3.1	4.2
October	29.310	29.490	28.980	48.2	54.2	69.7	41.4	55.6	85	26	44	....	84	....	.303	.....	1.38	.74	2.5	1.5	2.0
November	29.402	29.790	28.793	40.2	48.1	61.9	36.5	49.2	74	24	36	....	84	....	.216	.....	1.85	1.48	4.1	3.1	3.4
December	29.424	29.700	28.720	31.9	38.5	47.6	25.3	38.0	70	8	27	....	80	....	.161	.....	1.01	.55	4.8	4.4	4.4
Year	29.307	29.790	28.720	54.2	60.2	71.2	48.4	59.8	96	6	48	....	81	....	.394	.....	64.13	3.92	4.7	3.9	4.1

ASHEVILLE, N. C.

[ϕ=35° 36′ N.; λ=82° 32′ W.]

January	27.677	28.090	27.220	36.9	44.4	52.5	32.0	42.2	69	8	33	33	84	66	0.197	0.206	2.58	0.53	6.3	4.3	6.1
February	27.664	28.030	27.130	32.2	38.4	48.7	26.0	37.4	72	−5	26	25	78	60	.169	.167	2.21	1.19	6.0	4.1	5.1
March	27.733	27.970	27.351	41.5	48.5	55.4	36.8	46.1	74	17	34	33	75	58	.207	.201	5.76	1.02	5.4	4.0	5.2
April	27.639	27.990	27.140	49.7	60.2	69.3	44.4	56.8	84	30	40	38	71	47	.264	.246	2.80	1.17	4.6	3.3	3.8
May	27.612	27.870	27.260	52.7	59.6	67.1	46.9	57.0	85	35	44	44	72	58	.294	.295	1.30	.42	5.3	4.2	4.7
June	27.774	28.020	27.440	61.3	69.9	79.4	55.6	67.5	90	40	56	56	85	64	.462	.460	4.43	1.23	5.2	2.9	5.0
July	27.739	27.935	27.440	66.4	72.5	81.7	62.2	72.0	91	55	63	64	89	75	.574	.594	3.84	.78	6.6	5.7	5.9
August	27.757	27.974	27.450	64.5	71.2	79.6	61.0	70.3	88	49	61	61	88	72	.541	.550	4.58	2.04	4.8	5.6	5.0
September	27.793	27.990	27.490	57.7	64.3	73.0	54.6	63.8	85	39	54	56	88	76	.425	.467	4.42	1.43	6.2	5.2	6.0
October	27.732	27.970	27.360	42.0	52.2	62.3	37.7	50.0	78	23	39	41	88	66	.248	.271	1.81	.90	3.5	2.4	4.0
November	27.786	28.180	27.110	36.0	46.4	54.2	34.3	44.2	66	19	32	33	84	60	.183	.193	.27	.13	4.2	3.6	4.1
December	27.785	28.100	27.070	26.1	31.5	40.6	19.9	30.2	63	−4	19	21	83	64	.116	.124	1.48	.45	5.7	3.6	5.4
Year	27.724	28.180	27.070	47.0	54.9	63.6	42.6	53.1	91	−5	42	42	82	64	.308	.314	35.48	2.04	5.3	4.1	5.0

ATLANTA, GA.

[ϕ=33° 45′ N.; λ=84° 23′ W.]

January	28.856	29.270	28.390	44.4	50.7	55.4	40.4	47.9	72	18	39	42	82	73	0.263	0.288	5.11	1.19	6.3	5.4	6.6
February	28.861	29.250	28.470	39.4	47.3	54.2	34.5	44.4	76	2	32	31	76	57	.226	.212	5.81	1.84	5.5	3.6	5.3
March	28.837	29.100	28.510	47.3	56.0	62.1	43.2	52.6	79	20	39	39	75	57	.261	.263	9.15	2.00	6.0	3.6	5.3
April	28.760	29.100	28.360	57.1	67.8	74.2	53.2	63.7	88	38	45	44	66	45	.315	.304	3.17	2.43	4.3	3.2	4.2
May	28.747	28.924	28.424	58.7	68.1	73.5	54.5	64.0	86	40	46	46	66	49	.332	.328	4.37	2.07	4.1	2.5	4.2
June	28.859	29.110	28.580	70.2	77.3	85.1	65.0	75.0	95	47	61	59	73	55	.539	.504	1.75	.79	4.0	2.5	4.6
July	28.822	29.050	28.554	72.6	78.9	87.2	68.7	78.0	93	65	67	66	84	67	.670	.648	1.98	.67	5.7	5.7	5.6
August	28.818	28.996	28.550	70.9	76.5	83.3	67.4	75.4	92	59	65	65	83	69	.631	.625	5.61	1.33	5.1	5.5	5.6
September	28.852	29.060	28.537	64.6	71.1	78.2	61.8	70.0	91	50	58	59	81	68	.504	.522	6.44	2.97	5.3	5.3	5.6
October	28.849	29.060	28.560	50.1	59.9	67.5	45.6	56.6	82	28	43	44	76	58	.296	.315	1.60	1.08	1.9	1.1	2.5
November	28.920	29.310	28.303	44.4	54.2	59.9	42.7	51.3	73	25	35	38	70	56	.212	.234	1.51	.92	3.2	2.7	3.5
December	28.947	29.260	28.274	31.6	38.9	44.2	28.1	36.2	68	8	26	27	78	62	.154	.163	.89	.56	5.2	4.4	4.7
Year	28.848	29.310	28.274	54.3	62.2	68.7	50.4	59.6	95	2	46	47	76	60	.367	.367	47.39	2.97	4.7	3.9	4.8

ATLANTIC CITY, N. J.

[ϕ=39° 22′ N.; λ=74° 25′ W.]

January	30.001	30.710	29.330	32.4	35.7	42.6	27.9	35.2	58	10	26	27	77	71	0.154	0.159	2.39	0.72	7.7	4.4	7.0
February	29.946	30.506	29.190	27.9	31.3	38.1	22.8	30.4	59	1	21	22	73	68	.130	.132	2.43	.88	7.1	4.6	6.1
March	30.043	30.520	29.520	37.9	39.9	46.4	33.7	40.0	62	22	32	32	78	74	.182	.185	6.98	2.04	6.0	3.9	5.6
April	29.918	30.400	29.229	45.7	47.1	55.0	41.3	48.2	72	27	37	38	73	74	.232	.243	2.01	.62	5.0	5.1	4.9
May	29.795	30.218	29.510	53.5	54.2	61.9	47.6	54.8	87	38	43	44	69	71	.285	.295	3.32	1.49	5.4	5.7	5.8
June	29.977	30.266	29.730	65.5	65.4	72.4	60.5	66.4	92	54	60	61	82	86	.517	.532	4.29	1.46	5.5	6.0	5.6
July	29.933	30.168	29.560	71.8	72.2	78.5	67.7	73.1	90	60	67	66	86	88	.669	.698	4.35	1.66	5.3	7.1	5.6
August	29.970	30.260	29.600	74.3	74.8	80.1	68.9	74.5	92	55	66	68	77	79	.680	.682	2.44	1.34	3.9	4.3	3.8
September	30.056	30.430	29.555	61.6	64.2	69.1	57.1	63.1	83	44	55	56	80	76	.452	.464	2.70	1.70	5.7	3.8	5.3
October	30.010	30.310	29.360	52.6	53.9	59.8	45.7	52.8	75	29	45	46	77	76	.317	.329	5.97	1.63	4.0	3.2	4.0
November	30.046	30.610	29.300	37.8	43.2	49.5	34.2	41.8	65	18	30	33	73	68	.172	.195	1.15	.98	3.8	3.2	3.4
December	30.167	30.670	29.200	25.9	29.6	35.9	22.0	29.0	54	−5	20	23	77	74	.119	.134	2.13	.93	6.0	5.0	5.6
Year	29.989	30.710	29.190	48.9	51.0	57.4	44.1	50.8	99	−5	42	43	77	75	.324	.337	40.51	2.04	5.5	4.7	5.2

Annual meteorological summary for the year ending December 31, 1917—Continued.

ANNISTON, ALA.

[H = 741 ft.; h_1 = 9 ft.; h_2 3 ft.; = h_3 = 57 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction attime 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 or moremelted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles		*Mi.*																									
January	6.2	S.	29	SW.	0	7	1	2	9	11	7	8	15	2	10	7	14	18	15	1	1	0	1	0	0	8	1	0
February	7.6	NW.	36	NW.	0	6	3	1	9	10	7	4	14	2	12	8	8	11	10	5	1	1	0	3	0	13	5	0
March	7.3	NW.	36	NW.	0	6	0	2	15	10	6	2	17	4	13	10	8	14	13	1	0	0	0	0	0	6	9	0
April	6.3	NW.	30	E.	0	7	1	3	10	9	12	3	13	2	13	14	3	7	6	0	0	0	0	0	0	0	5	0
May	6.1	NW.	25	SE.	0	14	2	1	3	9	11	2	17	3	18	9	4	7	5	0	0	0	1	0	0	1	0	0
June	4.9	SE.	25	NW.	0	13	3	0	14	15	8	4	2	1	12	16	2	9	7	0	0	0	1	2	0	10	0	0
July	4.0	S.	23	SW.	0	3	2	1	14	14	8	5	7	8	8	19	4	15	14	0	0	0	1	1	0	14	0	0
August	4.0	SE.	28	N.	0	7	3	0	16	5	1	6	9	6	14	14	3	13	12	0	0	0	0	0	0	1	0	0
September	5.1	E.	27	E.	0	10	7	19	9	7	1	1	4	2	15	9	6	10	7	0	0	0	1	0	0	2	0	0
October	5.2	SE.	20	NW.	0	10	3	1	13	11	3	3	12	6	25	3	3	4	3	0	0	0	1	0	0	6	2	0
November	4.8	NW.	20	NW.	0	15	1	1	11	3	1	5	20	3	18	4	8	7	3	1	0	0	0	0	0	7	2	0
December	6.4	SE.	30	W.	0	11	2	5	17	12	0	4	10	1	15	5	11	7	4	4	3	0	0	4	0	19	9	0
Year	5.7	NW.	36	NW.	0	109	28	45	140	116	65	47	140	40	173	118	74	122	99	12	5	4	6	7	28	69	83	0

ASHEVILLE, N. C.

[H = 2,255 ft.; h_1 = 70 ft.; h_2 = 61 ft.; h_3 = 84 ft.]

January	9.0	NW.	36	SE.	0	11	0	1	17	5	2	3	21	2	7	13	11	13	9	4	1	0	0	1	0	16	0	0
February	11.0	NW.	39	N.	0	14	0	3	11	4	2	3	19	0	9	10	9	12	10	6	2	0	0	4	0	16	0	0
March	12.0	SE.	34	NW.	0	8	0	4	21	10	1	1	17	0	12	7	12	17	15	4	1	0	0	1	0	7	3	0
April	8.7	NW.	33	S.	0	11	0	2	11	6	0	5	24	1	16	8	6	8	7	2	0	3	1	0	0	1	5	0
May	9.3	NW.	30	SE.	0	18	0	1	8	4	1	3	27	0	10	14	7	10	7	0	0	0	1	0	0	0	6	0
June	5.2	NW.	44	N.	1	8	0	1	13	9	2	11	14	2	9	16	5	10	10	0	0	1	4	0	0	0	11	0
July	5.2	SE.	31	N.	0	6	3	2	18	9	1	7	15	1	6	15	10	16	14	0	0	0	5	0	0	2	13	0
August	6.1	SE.	26	SE.	0	4	3	5	20	11	0	0	17	2	10	14	7	9	8	0	0	0	5	0	0	0	7	0
September	6.1	SE.	30	E.	0	3	0	9	22	5	3	3	14	1	6	15	9	10	9	0	0	0	5	0	0	0	4	0
October	8 8	NW.	38	NW.	0	12	0	4	21	3	1	1	20	0	17	4	10	7	5	2	0	0	5	0	0	9	1	0
November	7.6	NW.	28	N.	0	14	0	2	11	2	0	3	27	1	15	7	8	6	3	3	0	0	1	0	0	11	0	0
December	8.3	NW.	33	N.	0	13	1	7	14	4	2	1	19	1	9	9	13	8	6	7	5	0	0	11	0	26	0	0
Year	8.1	NW.	44	N.	1	22	7	41	187	72	15	41	234	11	126	132	107	126	103	28	9	4	26	18	2	86	50	0

ATLANTA, GA.

[H = 1,174 ft.; h_1 = 190 ft.; h_2 = 182 ft.; h_3 = 216 ft.]

January	11.6	NW.	44	NW.	2	3	0	4	7	15	4	15	14	0	9	5	17	17	12	1	0	0	7	0	0	5	0	0
February	14.5	NW.	63	NW.	4	0	1	2	9	8	8	7	21	0	10	7	11	11	10	4	0	0	2	3	0	12	3	0
March	13.6	NW.	48	NW.	4	2	0	9	14	6	5	5	21	0	12	7	12	17	15	1	0	0	6	0	0	4	5	0
April	11.5	W.	48	SW.	1	1	3	3	8	9	4	20	12	0	14	7	9	6	5	0	0	0	6	0	0	6	4	0
May	11.3	NW.	40	SW.	1	6	0	2	3	6	4	8	33	0	18	5	8	8	7	0	0	2	0	0	0	0	7	0
June	8.7	NW.	44	SW.	1	6	2	6	6	13	6	10	10	1	13	10	7	9	6	0	0	0	0	0	5	0	10	0
July	8.9	W.	48	E.	2	1	1	3	10	7	11	20	9	0	10	7	14	12	8	0	0	0	0	0	11	0	16	0
August	8.4	NW.	42	NW.	1	2	3	13	13	7	1	9	13	1	11	7	13	15	11	0	0	0	3	0	1	0	12	0
September	8.8	NE.	30	NW.	0	3	17	17	7	0	4	1	11	0	10	7	13	15	12	0	0	0	1	0	1	0	6	0
October	11.6	W.	52	W.	1	0	2	11	11	5	8	19	8	0	24	2	5	5	4	0	0	0	3	0	0	3	1	0
November	10.3	NW.	34	NW.	0	4	4	5	4	4	3	9	27	0	16	5	9	6	5	1	0	0	0	0	0	3	1	0
December	11.6	NW.	42	W.	1	1	10	16	8	2	5	4	16	0	17	2	12	8	4	6	3	0	1	8	0	21	0	0
Year	10.9	NW.	63	NW.	17	29	43	91	100	82	61	127	195	2	164	71	130	129	99	13	3	2	23	11	18	48	65	0

ATLANTIC CITY, N. J.

[H = 52 ft.; h_1 = 37 ft.; h_2 = 33 ft.; h_3 = 48 ft.]

January	8.1	NW.	30	S.	0	6	1	0	4	10	8	9	23	1	8	5	18	11	8	7	2	0	1	4	0	18	0	0
February	9.1	NW.	30	NW.	0	4	8	1	0	3	14	11	15	0	4	14	10	13	9	9	6	0	1	7	0	23	0	0
March	9.2	NW.	32	SW.	0	4	11	2	4	10	8	7	16	0	8	13	10	13	12	3	1	0	0	0	0	13	0	0
April	8.6	NW.	34	SE.	0	11	6	2	8	7	10	5	11	0	10	15	5	6	5	2	2	0	0	1	0	0	1	0
May	8.7	NW.	36	NE.	0	7	4	4	3	9	8	9	18	0	5	18	10	9	8	0	0	0	1	0	0	0	6	0
June	7.4	S.	24	S.	0	3	1	3	5	20	19	3	6	0	9	11	10	11	11	0	0	0	3	0	1	0	9	0
July	6.7	SW.	25	SW.	0	4	7	5	7	8	25	6	0	0	7	15	9	12	9	0	0	0	1	0	3	0	8	0
August	6.6	S.	18	SW.	0	6	3	6	7	12	17	4	7	0	13	13	5	6	5	0	0	0	0	0	1	0	6	0
September	8.0	NE.	28	NE.	0	12	12	5	5	5	10	7	4	0	9	11	10	7	5	0	0	0	0	0	0	0	2	0
October	9.0	NW.	33	SE.	0	10	1	3	7	10	10	7	14	0	18	4	9	12	11	0	0	0	0	0	0	1	2	0
November	6.9	NW.	19	N.	0	9	4	1	5	1	5	8	27	0	17	8	5	4	3	2	2	0	0	2	0	12	0	0
December	9.8	N.	44	SE.	1	24	4	2	2	1	7	7	15	0	9	9	13	7	7	6	4	0	0	8	0	26	0	0
Year	8.2	NW.	44	SE.	1	100	62	34	57	96	141	83	156	1	117	134	114	111	93	29	17	0	8	21	5	98	34	0

Annual meteorological summary for the year ending December 31, 1917—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	29.915	30.370	29.390	46.3	54.2	61.4	43.2	52.3	77	23	43	46	89	75	0.300	0.333	4.59	1.92	6.6	5.5	6.2
February	29.916	30.350	29.430	41.9	52.0	59.6	38.5	49.0	80	9	37	42	83	68	.265	.303	3.40	.68	5.9	3.2	5.0
March	29.939	30.240	29.535	51.5	60.4	67.2	46.6	56.9	82	28	46	48	82	65	.330	.350	4.10	1.21	5.6	4.0	5.3
April	29.784	30.160	29.340	60.1	70.5	79.0	54.9	67.0	91	41	53	58	79	66	.420	.486	4.43	2.56	4.1	4.3	3.3
May	29.748	29.960	29.450	63.8	71.8	79.4	56.3	67.8	93	45	54	57	72	62	.437	.478	2.09	1.09	3.5	3.3	3.7
June	29.860	30.140	29.560	74.3	80.9	89.5	67.9	78.7	98	60	67	66	77	63	.663	.662	2.88	1.55	4.6	6.4	5.0
July	29.822	30.040	29.480	76.8	80.8	90.7	71.3	81.0	96	67	71	71	82	74	.757	.762	5.75	1.90	4.9	5.6	5.4
August	29.811	30.060	29.490	75.0	80.6	89.3	71.1	80.2	97	64	70	71	84	73	.731	.757	1.86	1.08	5.7	5.6	4.9
September	29.860	30.100	29.480	67.6	73.1	81.2	63.8	72.5	94	51	62	64	84	74	.584	.621	8.22	3.92	7.1	5.6	5.7
October	29.883	30.120	29.598	52.9	61.2	73.5	48.4	61.0	85	33	48	52	85	74	.362	.417	.60	.29	3.0	1.7	2.2
November	29.960	30.420	29.280	42.0	53.3	63.7	39.7	51.7	76	27	39	44	88	72	.243	.295	1.22	.44	3.5	2.5	2.9
December	30.029	30.380	29.360	33.3	40.5	48.5	30.7	39.6	72	11	29	33	84	73	.173	.204	1.41	.54	6.1	4.6	4.9
Year	29.877	30.420	29.280	57.1	64.9	73.6	52.7	63.1	98	9	52	54	82	70	.439	.472	40.55	3.92	5.0	4.4	45.

BAKER, OREG.

[ϕ=44° 46′ N.; λ=117° 50′ W.]

January	26.537	26.920	25.960	14.2	21.2	26.8	9.7	18.2	43	−13	10	16	82	76	0.072	0.090	1.35	0.54	5.7	6.2	5.3
February	26.484	26.940	25.720	19.4	28.4	32.1	15.5	23.8	41	− 1	16	22	85	76	.088	.117	1.06	.36	7.1	7.2	6.0
March	26.488	26.930	25.950	20.4	30.8	34.6	16.0	25.3	52	−12	14	23	80	71	.090	.121	.72	.17	6.3	7.3	5.8
April	26.382	26.750	25.970	34.3	45.9	48.7	31.7	40.2	63	24	28	28	78	52	.154	.157	1.59	.43	7.2	7.9	6.4
May	26.372	26.660	26.120	39.8	56.5	59.5	38.2	48.8	75	27	34	33	78	45	.195	.194	.71	.16	6.2	5.9	5.5
June	26.511	26.810	26.210	43.5	67.2	70.1	41.6	55.8	88	31	35	36	73	34	.207	.213	.23	.10	3.0	4.1	3.5
July	26.448	26.680	26.240	53.8	82.3	86.1	52.7	69.4	96	40	39	45	58	28	.243	.309	.04	.04	1.6	2.5	1.9
August	26.501	26.670	26.320	51.9	81.4	83.5	50.0	66.8	95	44	37	45	57	29	.220	.309	.02	.02	2.5	2.5	2.2
September	26.466	26.730	26.200	47.1	71.4	74.4	44.4	59.4	87	33	38	41	73	38	.235	.268	2.44	1.83	3.3	4.4	3.7
October	26.602	26.880	26.220	37.4	58.6	62.6	33.9	48.2	77	18	29	37	70	44	.161	.229	.07	.05	2.0	2.8	2.8
November	26.592	26.980	25.940	34.0	45.7	50.9	30.0	40.4	64	17	28	32	77	61	.152	.185	.92	.44	4.5	5.4	5.7
December	26.485	26.790	25.940	36.4	40.8	45.3	32.8	39.0	58	19	31	33	79	74	.174	.193	1.14	.34	7.8	7.9	8.0
Year	26.489	26.980	25.720	36.0	52.5	56.2	33.0	44.6	96	−13	28	33	74	52	.166	.199	10.29	1.83	4.8	5.3	4.7

BALTIMORE, MD.

[ϕ=39° 17′ N.; λ=76° 37′ W.]

January	19.936	30.670	29.240	31.6	36.3	42.5	28.1	35.3	57	15	22	25	70	63	0.133	0.142	3.04	0.75	6.9	4.8	6.2
February	29.888	30.500	29.120	28.3	33.9	40.4	23.9	32.2	64	4	19	21	67	59	.126	.134	1.75	.63	5.1	3.8	5.6
March	29.976	30.410	29.430	39.6	44.5	51.3	35.2	43.2	78	22	31	31	71	61	.179	.185	3.80	1.09	6.2	3.9	5.5
April	29.849	30.353	29.110	49.4	55.9	62.8	44.8	53.8	85	28	35	39	59	55	.218	.253	2.21	1.17	5.2	5.2	5.1
May	29.738	30.100	29.400	56.2	61.4	67.3	51.0	59.2	86	42	42	42	62	52	.285	.283	3.24	1.44	5.3	4.9	5.7
June	29.890	30.190	29.640	70.0	74.0	81.6	64.4	73.0	94	53	59	60	70	65	.513	.539	4.05	1.74	4.4	5.8	5.1
July	29.848	30.080	29.490	73.5	76.8	84.4	70.0	77.2	99	63	66	68	79	76	.648	.696	7.09	1.77	6.8	7.8	6.5
August	29.892	30.160	29.480	72.6	77.1	84.4	68.4	76.4	98	57	63	65	73	68	.587	.634	2.39	.95	4.3	4.4	4.1
September	29.993	30.340	29.500	61.3	65.7	72.1	56.9	64.5	83	43	52	54	78	66	.408	.432	2.86	1.44	4.6	4.2	5.2
October	29.937	30.250	29.320	49.8	53.0	61.6	43.7	52.6	76	30	41	42	71	67	.265	.282	5.01	1.86	4.6	3.3	4.4
November	30.004	30.550	29.220	39.7	46.1	52.5	36.7	44.6	70	23	28	32	64	59	.159	.185	.52	.24	4.4	3.7	4.4
December	30.125	30.640	29.130	25.4	29.5	34.4	22.5	28.4	49	− 2	16	19	67	62	.102	.111	1.96	.87	7.2	6.2	6.1
Year	29.923	30.670	29.110	49.8	54.5	61.3	45.5	53.4	99	− 2	40	42	69	63	.302	.323	37.92	1.86	5.4	4.8	5.3

BENTONVILLE, ARK.

[ϕ=36° 22′ N.; λ=94° 12′ W.]

January	28.662	29.250	28.130	33.6	.....	49.1	27.1	38.1	71	8	27	....	79	....	0.170	.....	1.08	0.76	5.1	.....	5.2
February	28.683	29.350	28.200	29.3	.....	48.7	24.5	36.6	76	− 4	20	....	66	....	.126	.....	.93	.85	2.7	.....	3.5
March	28.647	29.070	28.200	42.4	.....	60.9	38.1	49.5	80	16	33	....	70	....	.211	.....	2.38	.98	5.1	.....	4.3
April	28.559	28.840	28.210	49.5	.....	67.4	44.9	56.2	82	30	40	....	72	....	.262	.....	5.88	1.47	5.0	.....	4.8
May	28.575	28.920	28.120	53.5	.....	71.0	48.3	59.6	84	34	46	....	78	....	.333	.....	7.41	2.57	4.9	.....	4.7
June	28.642	28.970	28.230	66.7	.....	83.6	59.4	71.5	95	45	58	....	74	....	.497	.....	3.71	1.47	2.6	.....	2.4
July	28.625	29.790	28.420	71.4	.....	88.8	65.8	77.3	98	57	65	....	80	....	.618	.....	5.66	3.48	3.7	.....	3.1
August	28.666	28.830	28.450	66.4	.....	83.8	62.7	73.2	94	51	63	....	88	....	.581	.....	3.33	2.04	4.5	.....	3.9
September	28.727	28.960	28.520	59.2	.....	80.0	56.8	68.4	90	40	57	....	91	....	.474	.....	3.89	2.08	2.5	.....	3.1
October	28.677	29.080	28.060	42.9	.....	65.6	38.7	52.2	86	18	35	....	74	....	.221	.....	.70	.32	3.0	.....	3.4
November	28.813	29.120	28.420	38.8	.....	60.2	35.6	48.4	76	16	32	....	75	....	.184	.....	6.22	5.10	4.2	.....	3.8
December	28.799	29.310	28.380	24.9	.....	39.6	21.2	30.4	71	− 7	21	....	83	....	.136	.....	.76	.66	5.3	.....	5.2
Year	28.673	29.350	28.060	48.2	.....	66.6	43.7	55.1	98	− 7	41	....	78	....	.317	.....	41.94	5.10	4.0	.....	4.0

Annual meteorological summary for the year ending December 31, 1917—Continued.

AUGUSTA, GA.

[H=180 ft.; h_t=62 ft.; h_r=54 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.	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	5.7	NW.	26	W.	0	3	7	4	8	9	13	8	10	0	9	5	17	13	12	0	0	0	5	0	0	3	1	0
February	7.9	SW.	39	NW.	0	1	1	6	9	11	12	8	8	0	12	5	11	12	9	2	0	0	2	1	0	10	2	0
March	6.8	SE.	26	W.	0	1	8	8	13	8	5	7	12	0	12	7	12	9	9	0	0	0	0	0	0	2	2	0
April	5.5	SE.	38	W.	0	3	1	9	11	12	6	6	10	2	20	3	7	6	5	0	0	0	0	0	2	0	4	0
May	6.7	NW.	33	NW.	0	7	2	2	9	6	6	12	16	2	16	7	8	5	4	0	0	0	0	0	3	0	6	0
June	5.5	SE.	39	N.	0	2	4	8	13	11	5	6	11	0	10	15	5	8	5	0	0	0	0	0	20	0	13	0
July	4.9	SE.	39	W.	0	1	3	5	11	18	8	9	6	1	11	9	11	12	11	0	0	0	0	0	19	0	17	0
August	4.6	SE.	23	NW.	0	6	6	16	14	8	1	2	9	0	11	12	8	7	7	0	0	0	0	0	11	0	8	0
September	5.9	NE.	30	NW.	0	4	24	12	6	7	0	0	7	0	9	9	12	8	7	0	0	0	2	0	5	0	6	0
October	5.1	NW.	24	NW.	0	8	7	8	6	8	0	4	15	6	24	3	4	4	4	0	0	0	2	0	0	0	2	0
November	4.6	NW.	20	NW.	0	5	8	4	4	4	5	4	25	1	19	5	6	6	5	0	0	0	4	0	0	3	2	0
December	6.2	NE.	29	SW.	0	9	21	2	3	6	3	4	13	1	16	2	13	8	6	3	1	0	2	3	0	19	0	0
Year	5.8	NW.	39	W.	0	50	92	84	107	108	64	70	142	13	169	82	114	98	84	5	1	0	17	4	60	37	63	0

BAKER, OREG.

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

January	6.2	SE.	29	SW.	0	1	2	2	32	10	2	9	3	1	12	5	14	13	10	15	13	0	0	21	0	31	0	0
February	6.4	SE.	26	S.	0	0	2	3	26	9	2	3	10	1	4	14	10	9	7	13	9	0	3	16	0	28	0	0
March	7.2	SE.	24	W.	0	2	1	4	26	10	3	7	9	0	8	11	12	12	5	19	11	0	0	11	0	31	0	0
April	6.9	SE.	26	N.	0	11	0	1	20	11	2	5	10	0	3	13	14	12	8	10	6	0	0	0	0	17	0	0
May	7.3	NW.	27	S.	0	8	2	1	24	3	2	1	21	0	9	12	10	12	7	2	1	0	0	0	0	6	0	0
June	6.3	NW.	24	NW.	0	14	2	2	22	8	0	2	10	0	17	9	4	4	3	2	1	0	0	0	0	2	0	0
July	6.0	NW.	24	NW.	0	5	0	0	24	8	0	5	20	0	23	8	0	1	1	0	0	0	0	0	7	0	1	0
August	5.8	NW.	23	W.	0	4	0	0	28	4	0	2	24	0	20	10	1	1	0	0	0	0	0	0	2	0	1	0
September	5.7	SE.	18	SE.	0	3	0	3	29	5	2	6	11	1	17	8	5	4	4	0	0	0	0	0	0	0	2	0
October	6.3	SE.	24	NW.	0	6	2	1	25	7	2	10	8	1	20	8	3	2	1	2	2	0	0	0	0	12	0	0
November	6.5	SE.	36	S.	0	2	1	0	30	17	2	3	4	1	10	7	13	5	4	2	2	0	0	6	0	20	0	0
December	6.7	SE.	26	S.	0	3	4	1	20	14	10	6	4	0	0	7	24	15	9	9	3	0	2	0	0	15	0	0
Year	6.4	SE.	36	S.	0	59	16	18	306	106	27	59	134	5	143	112	110	90	59	74	48	0	5	48	9	162	4	0

BALTIMORE, MD.

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

January	5.7	SW.	20	W.	0	9	5	7	2	12	14	5	8	0	10	5	16	12	10	9	7	0	7	5	0	23	0	0
February	7.6	NW.	30	SW.	0	8	3	1	8	7	13	4	12	0	9	7	12	10	6	8	5	0	2	8	0	20	0	0
March	7.8	SW.	28	SW.	0	4	4	5	6	12	11	2	17	1	10	11	10	13	13	3	2	0	1	0	0	9	0	0
April	7.9	NW.	27	E.	0	10	5	5	7	8	7	7	11	0	11	9	10	9	7	2	2	0	1	0	0	4	2	0
May	7.8	NW.	27	SE.	0	6	6	6	4	6	13	6	15	0	7	16	8	9	8	0	0	2	0	0	0	0	6	0
June	6.4	SW.	30	NW.	0	7	3	0	7	17	13	2	11	0	8	18	4	13	11	0	0	0	0	0	2	0	10	0
July	6.9	S.	26	NW.	0	3	8	8	9	11	18	2	3	0	4	14	13	15	10	0	0	0	0	0	4	0	7	0
August	6.0	S.	24	S.	0	10	6	2	1	21	12	4	6	0	15	9	7	9	7	0	0	0	0	0	2	0	8	0
September	6.6	N.	24	NE.	0	19	12	4	0	10	7	2	6	0	10	11	9	10	10	0	0	0	1	0	0	0	3	0
October	7.0	NW.	28	SE.	0	11	7	3	4	12	7	5	12	1	15	7	9	12	9	1	0	0	1	0	0	1	2	0
November	6.1	NW.	24	N.	0	19	0	3	1	3	10	4	16	4	14	10	6	4	3	3	2	0	0	0	0	7	0	0
December	7.8	N.	32	SW.	0	22	9	2	1	6	11	4	7	0	8	9	14	9	5	11	8	0	1	13	0	22	0	0
Year	6.9	SW.	32	SW.	0	128	68	46	50	125	136	47	124	6	121	126	118	125	99	37	26	2	14	26	8	86	38	0

BENTONVILLE, ARK.

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

January	7.0	NW.	26	S.	0	1	4	1	3	6	5	2	9	0	13	6	12	5	4	2	1	0	0	6	0	17	0	0
February	7.4	S.	26	NW.	0	5	3	2	2	6	7	0	3	0	17	6	5	4	2	3	3	0	0	2	0	20	0	0
March	9.5	S.	34	S.	0	4	2	2	4	7	4	1	7	0	15	7	9	10	8	3	2	0	0	2	0	9	8	0
April	7.7	S.E	36	SW.	0	4	4	0	7	7	2	1	5	0	11	10	9	12	9	0	0	0	0	0	0	1	8	0
May	6.1	S.	36	SE.	0	6	3	1	6	6	1	5	3	0	14	9	8	8	7	0	0	1	0	0	0	0	8	0
June	5.6	S.	36	SE.	0	1	1	2	6	12	3	3	2	0	24	4	2	7	5	0	0	0	0	0	4	0	9	0
July	4.8	S.	20	NW.	0	3	4	3	7	9	3	0	2	0	22	7	2	9	8	0	0	0	1	0	0	13	0	10
August	3.9	SE.	28	S.	0	2	7	4	7	3	1	1	6	0	16	8	7	11	9	0	0	0	0	0	4	0	12	0
September	4.0	S.	16	S.	0	5	5	5	3	8	1	1	2	0	21	4	5	7	7	0	0	0	2	0	1	0	5	0
October	6.3	NW.	26	S.	0	2	2	0	5	6	2	4	10	0	21	3	7	6	4	1	0	1	1	0	0	13	3	0
November	5.1	NW.	24	NW.	0	4	1	2	4	4	3	2	10	0	17	5	8	7	6	0	0	0	0	0	0	3	2	0
December	6.7	N.E.	25	NW.	0	6	5	6	2	7	0	1	4	0	12	10	9	4	2	3	2	0	0	12	0	21	0	0
Year	6.0	S.	36	SE.	0	43	41	28	56	81	32	21	63	0	203	79	83	90	71	12	8	5	3	22	22	89	65	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

BINGHAMTON, N. Y.

[ϕ=42° 6′ 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	29.024	29.780	28.300	24.0	.....	34.1	17.4	25.8	46	0	20	....	83	....	0.113	.....	2.36	0.87	7.1	.....	6.5
February	28.930	29.570	28.260	16.7	.....	29.8	10.8	20.3	50	−12	14	....	88	....	.089	.....	.81	.22	7.5	.....	7.3
March	29.095	29.560	28.520	29.6	.....	42.0	25.6	33.8	66	4	24	....	81	....	.134	.....	1.89	.54	6.9	.....	7.0
April	29.023	29.490	28.297	40.2	.....	52.9	36.1	44.5	74	21	34	....	79	....	.206	.....	.99	.55	6.1	.....	6.6
May	28.898	29.271	28.580	46.2	.....	56.5	41.1	48.8	80	31	40	....	80	....	.256	.....	3.15	1.23	7.8	.....	7.6
June	29.071	29.363	28.800	61.2	.....	74.9	55.4	65.2	85	42	56	....	83	....	.451	.....	6.63	1.98	6.9	.....	6.5
July	29.042	29.293	28.740	67.4	.....	80.8	62.5	71.6	94	52	62	....	84	....	.568	.....	3.55	.86	5.3	.....	6.3
August	29.090	29.400	28.700	64.6	.....	80.5	60.5	70.5	92	49	60	....	85	....	.524	.....	7.50	3.20	4.9	.....	5.8
September	29.200	29.560	28.660	50.3	.....	70.0	47.2	58.6	82	36	48	....	92	....	.341	.....	.94	.27	5.2	.....	4.5
October	29.077	29.440	28.400	41.7	.....	55.0	36.7	45.8	67	26	38	....	88	....	.238	.....	5.25	1.37	7.1	.....	7.1
November	29.159	29.680	28.420	29.4	.....	42.7	26.8	34.8	60	11	27	....	91	....	.147	.....	.81	.61	6.7	.....	6.1
December	29.246	29.760	28.240	14.8	.....	27.0	9.6	18.3	47	−22	13	....	92	....	.091	.....	1.69	.98	7.8	.....	6.6
Year	29.075	29.780	28.240	40.5	.....	53.8	35.8	44.8	94	−22	36	....	86	....	.263	.....	36.27	3.20	6.6	.....	6.5

BIRMINGHAM, ALA.

[ϕ=33° 32′ N.; λ=86° 50′ W.]

January	29.359	29.800	28.890	45.5	51.5	57.5	41.2	49.4	75	21	40	41	83	70	0.284	0.200	6.79	1.57	7.4	6.5	6.7
February	29.379	29.850	28.950	41.4	48.4	58.5	37.2	47.8	80	7	34	33	74	56	.239	.229	5.89	2.63	5.9	4.5	5.1
March	29.371	29.610	29.100	49.7	58.7	66.6	45.9	56.2	81	20	40	40	72	54	.277	.282	11.85	2.57	5.3	4.5	5.2
April	29.250	29.580	28.900	56.8	66.8	75.6	52.3	64.0	86	38	46	45	69	48	.336	.321	4.52	3.07	3.9	4.4	3.9
May	29.244	29.424	28.930	58.5	68.6	76.5	53.5	65.0	91	42	49	46	71	46	.365	.329	3.85	2.47	4.4	2.8	4.0
June	29.324	29.540	29.040	70.2	78.4	87.9	66.0	77.0	95	47	62	61	77	57	.572	.551	3.44	1.14	3.0	3.8	3.9
July	29.288	29.501	29.000	73.3	78.1	89.3	69.7	79.5	96	64	69	68	86	74	.703	.699	3.71	1.10	4.7	5.7	5.8
August	29.283	29.450	29.030	71.5	76.9	87.3	68.2	77.8	94	56	67	67	86	74	.670	.680	8.98	2.70	5.0	5.4	5.1
September	29.317	29.510	28.950	65.7	71.6	82.1	63.1	72.6	91	53	61	61	84	71	.545	.553	6.01	2.85	3.5	4.1	4.5
October	29.340	29.540	28.930	49.3	58.9	70.6	45.2	57.9	86	29	43	43	79	57	.298	.303	1.83	1.21	2.6	1.1	2.1
November	29.442	29.810	28.840	43.3	53.4	62.4	41.2	51.8	74	28	36	36	74	54	.216	.219	1.55	.80	3.9	3.4	3.7
December	29.463	29.749	28.720	33.3	41.0	48.3	30.2	39.2	72	8	27	29	78	64	.166	.176	1.48	.58	5.2	4.3	5.0
Year	29.338	29.850	28.720	54.9	62.7	71.9	51.1	61.5	96	7	48	48	78	60	.389	.386	59.90	3.07	4.6	4.2	4.6

BISMARCK, N. DAK.

[ϕ=46° 47′ N.; λ=100° 38′ W.]

January	28.202	28.950	27.570	3.6	8.6	16.9	−4.3	6.3	43	−28	2	6	92	89	0.053	0.064	0.65	0.20	6.7	6.0	5.7
February	28.320	28.957	27.200	−1.0	5.6	11.3	−7.8	1.8	46	−39	−3	3	92	86	.045	.051	.44	.23	5.2	5.6	6.6
March	28.221	28.930	27.530	18.3	28.5	33.5	15.1	24.3	63	−24	16	20	89	72	.093	.111	.60	.42	4.8	5.6	5.4
April	28.275	28.600	27.800	31.1	43.9	48.1	28.9	38.5	68	17	27	28	85	55	.149	.154	1.87	.89	6.4	7.7	7.1
May	28.273	28.590	27.790	42.9	62.4	66.5	38.6	52.6	90	25	32	28	65	29	.151	.154	.26	.25	3.9	4.8	4.5
June	28.184	28.667	27.570	53.8	69.6	74.7	49.1	61.9	93	38	46	45	76	43	.324	.310	2.15	.85	4.9	5.2	4.4
July	28.157	28.467	27.740	63.4	81.6	86.7	59.7	73.2	107	44	56	53	77	40	.455	.424	1.50	.42	2.6	3.1	3.3
August	28.245	28.580	27.880	55.2	75.4	80.9	52.2	66.6	95	38	47	46	76	37	.336	.321	1.37	.57	2.8	3.7	3.3
September	28.306	28.800	27.920	47.4	63.6	70.3	44.9	57.6	90	31	42	45	83	54	.287	.326	1.75	1.00	5.6	3.4	5.1
October	28.254	28.910	27.890	30.7	40.4	47.5	25.3	36.4	79	10	24	26	77	58	.134	.143	.21	.14	6.8	4.8	6.0
November	28.370	28.760	27.980	30.8	43.2	52.2	28.1	40.2	69	16	27	31	86	65	.145	.177	.04	.04	4.4	3.4	4.4
December	28.394	29.148	27.770	1.0	6.4	12.5	−6.9	3.2	48	−37	−2	4	88	88	.051	.063	.59	.23	6.7	6.6	7.2
Year	28.267	29.148	27.200	31.4	44.1	50.1	27.0	38.6	107	−39	26	28	82	60	.188	.192	11.43	1.00	5.1	5.0	5.2

BLOCK ISLAND, R. I.

[ϕ=41° 10′ N; λ=71° 36′ W.]

January	29.971	30.702	29.350	30.1	32.9	38.3	25.8	32.0	51	6	24	26	76	76	0.134	0.152	2.98	0.88	6.0	5.8	7.1
February	29.889	30.438	28.840	26.0	28.5	33.9	20.8	27.4	48	3	21	22	80	75	.124	.124	2.70	.84	6.4	5.0	6.8
March	30.014	30.507	29.380	34.6	35.9	40.5	31.3	35.9	49	21	29	31	80	81	.166	.176	4.85	.93	5.8	4.4	6.1
April	29.903	30.340	29.220	40.4	41.5	47.0	37.0	42.0	66	25	36	36	84	82	.217	.216	2.14	.57	6.3	4.4	6.8
May	29.777	30.280	29.450	47.4	47.9	54.7	43.7	49.2	71	38	43	44	84	87	.277	.290	3.01	1.07	5.9	5.7	6.5
June	29.992	30.340	29.750	60.4	59.8	66.6	55.9	61.2	76	49	58	58	93	95	.492	.489	2.51	.60	4.7	5.3	6.8
July	29.940	30.230	29.600	67.7	67.2	74.1	62.6	68.4	89	56	66	66	93	95	.631	.634	2.90	1.34	4.8	5.6	6.4
August	29.997	30.310	29.620	70.2	69.6	76.6	64.5	70.6	85	59	67	67	89	92	.660	.672	.73	.35	2.8	4.6	4.3
September	30.070	30.530	29.470	59.6	59.9	66.9	55.2	61.0	76	46	54	56	83	87	.428	.456	2.80	2.05	4.2	3.6	5.2
October	30.024	30.410	29.200	51.3	52.2	57.1	46.3	51.7	65	40	46	47	84	83	.324	.331	5.62	1.72	4.9	4.6	5.6
November	30.001	30.530	29.407	38.6	41.4	46.0	34.6	40.3	55	17	31	34	74	75	.179	.205	.19	.14	3.3	2.7	4.5
December	30.133	30.700	29.220	25.5	27.2	34.1	20.8	27.4	52	−6	21	21	81	76	.121	.120	1.96	.77	7.3	4.6	6.9
Year	29.976	30.702	28.840	46.0	47.0	53.0	41.5	47.3	89	−6	41	42	83	84	.313	.322	31.73	2.05	5.2	4.7	6.1

Annual meteorological summary for the year ending December 31, 1917—Continued.

BINGHAMTON, N. Y.

[H=871 ft.; h_t=10 ft.; h_r=3 ft.; h_a=69 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	6.9	NW.	34	SE.	0	2	2	6	2	4	6	4	5	0	7	9	15	13	9	18	8	0	0	10	0	28	0	0
February	4.7	NW.	20	NW.	0	0	6	2	1	2	2	7	8	0	4	8	16	11	7	13	5	0	0	16	0	27	0	0
March	7.5	NW.	29	NW.	0	2	6	5	1	4	2	4	7	0	6	9	16	14	8	16	8	0	1	4	0	26	1	0
April	7.0	NW.	31	NW.	0	1	4	3	1	4	3	1	13	0	5	11	14	10	7	7	3	0	1	1	0	11	1	0
May	7.0	NW.	26	SE.	0	5	5	2	2	1	3	2	11	0	4	6	21	17	12	2	0	0	0	0	0	1	3	0
June	4.4	NW.	30	NE.	0	2	2	6	1	3	3	4	9	0	4	12	14	19	16	0	0	1	0	0	0	0	10	0
July	3.8	SW.	19	NW.	0	0	6	6	0	6	3	6	4	0	6	13	12	18	11	0	0	0	0	0	0	3	13	0
August	3.8	E.	25	NW.	0	5	5	6	3	0	1	2	8	1	5	18	8	15	12	0	0	0	1	0	2	0	13	1
September	3.8	NW.	19	NW.	0	2	10	5	1	2	4	3	3	0	13	14	3	9	7	0	0	0	7	0	0	0	2	0
October	5.7	NW.	27	NE.	0	0	7	6	0	5	5	4	4	0	7	5	19	15	10	2	1	0	3	0	0	8	1	0
November	5.4	NW.	26	N.	0	5	3	3	3	1	4	1	10	0	8	9	13	9	3	10	4	0	1	4	0	25	1	0
December	6.3	NW.	24	W.	0	6	6	3	1	3	4	2	5	1	7	8	16	8	7	15	6	0	0	21	0	30	0	0
Year	5.5	NW.	34	SE.	0	30	62	53	16	35	40	40	87	2	76	122	167	158	109	83	35	1	14	56	5	156	45	1

BIRMINGHAM, ALA.

[H=700 ft.; h_t=11 ft.; h_r=3 ft.; h_a=48 ft.]

January	8.1	S.	36	S.	0	10	2	3	4	19	8	6	10	0	8	6	17	17	13	1	0	0	1	0	0	7	2	0
February	9.1	S.	36	NW.	0	7	4	1	4	17	8	4	11	0	12	5	11	11	9	2	0	0	0	2	0	12	4	0
March	8.9	S.	31	W.	0	9	3	5	9	16	3	5	12	0	12	7	12	15	13	1	0	2	0	0	0	3	8	0
April	7.4	S.	29	S.	0	10	4	5	7	16	7	3	8	0	14	9	7	8	7	0	0	0	0	0	0	0	4	0
May	7.1	N.	28	S.	0	15	4	2	2	13	5	7	12	2	15	10	6	8	5	0	0	0	0	0	0	1	4	0
June	5.9	S.	23	NW.	0	10	6	6	5	19	5	3	5	1	13	15	2	10	7	0	0	1	0	0	13	0	16	0
July	4.9	S.	30	W.	0	4	2	6	7	22	12	4	5	0	5	16	10	16	13	0	0	0	1	0	16	0	22	0
August	4.6	NE.	22	S.	0	7	12	10	9	9	2	3	9	1	7	15	9	14	12	0	0	0	0	0	6	0	12	0
September	5.5	E.	23	E.	0	14	13	18	4	5	3	2	1	0	13	10	7	10	7	0	0	0	0	0	3	0	6	0
October	6.5	N.	25	S.	0	18	3	4	14	9	1	3	10	0	24	4	3	5	3	0	0	0	0	0	0	2	2	0
November	5.5	N.	22	SE.	0	22	8	3	4	4	6	4	7	2	18	4	8	4	4	0	0	0	0	0	0	3	1	0
December	7.0	N.	35	SE.	0	18	2	15	5	7	5	5	5	0	14	5	12	8	7	4	2	0	1	4	0	15	0	0
Year	6.7	S.	36	NW.	0	144	63	78	74	156	65	49	95	6	155	106	104	126	100	8	2	3	5	6	39	42	81	0

BISMARCK, N. DAK.

[H=1,674 ft.; h_t=8 ft.; h_r=3 ft.; h_a=57 ft.]

January	10.8	NW.	47	NW.	2	7	2	7	10	2	4	8	22	0	11	7	13	9	4	18	9	0	0	27	0	31	0	0
February	11.9	NW.	54	NW.	3	3	5	5	7	0	2	4	29	1	7	6	15	10	5	18	10	0	0	26	0	28	0	0
March	11.9	NW.	51	NW.	3	7	6	8	7	3	1	5	25	0	7	16	8	5	4	13	5	0	1	16	0	31	0	0
April	9.8	E.	43	E.	1	12	11	16	5	2	1	0	12	1	5	8	17	11	8	7	4	0	1	0	0	21	0	0
May	9.1	E.	32	E.	0	11	8	14	10	6	2	4	6	1	13	10	8	2	1	0	0	0	0	0	0	5	0	0
June	11.5	NW.	59	SW.	3	6	4	6	8	7	5	6	18	0	10	15	5	11	6	0	0	1	0	0	2	0	6	0
July	10.1	NW.	37	NW.	0	9	2	8	15	7	3	1	16	1	15	15	1	12	11	0	0	1	0	0	12	0	13	0
August	9.0	NW.	50	NW.	1	8	4	15	4	6	1	4	19	1	19	6	6	8	6	0	0	2	0	0	6	0	6	1
September	9.4	E.	40	NW.	1	7	6	17	13	1	0	5	10	1	12	9	9	5	3	0	0	0	1	0	1	1	4	1
October	13.4	NW.	43	NW.	3	11	3	7	4	5	1	4	24	3	10	9	12	4	1	11	4	0	0	6	0	24	0	0
November	7.3	NW.	45	NW.	1	9	7	15	7	0	3	7	10	2	14	8	8	2	0	3	2	0	5	1	0	22	0	0
December	9.2	NW.	40	NW.	1	9	3	18	8	3	1	2	18	0	6	6	19	10	6	19	10	0	0	26	0	31	0	1
Year	10.2	NW.	54	NW.	19	99	61	136	98	42	24	50	209	11	129	115	121	89	55	89	44	4	8	102	21	194	29	3

BLOCK ISLAND, R. I.

[H=26 ft.; h_t=11 ft.; h_r=3 ft.; h_a=46 ft.]

January	20.7	NW.	60	NW.	13	1	4	2	3	3	8	14	26	1	9	2	20	13	10	8	4	0	1	6	0	23	0	0
February	22.5	NW.	72	W.	13	1	2	3	0	5	11	13	21	0	7	5	16	10	10	6	3	0	3	12	0	26	1	0
March	19.2	NW.	58	NW.	12	1	7	1	5	7	10	12	19	0	11	5	15	14	11	7	5	0	3	2	0	17	0	0
April	17.5	NW.	54	N.	7	3	5	11	5	5	6	6	18	1	9	3	18	14	12	1	1	0	2	0	0	4	2	0
May	17.4	W.	56	NE.	5	6	9	7	2	6	5	16	11	0	5	11	15	12	8	0	0	0	2	0	0	0	2	0
June	13.7	SW.	34	W.	0	2	4	1	5	16	22	6	4	0	7	6	17	11	11	0	0	0	14	0	0	0	6	0
July	14.5	SW.	34	E.	0	1	3	3	3	3	37	9	2	1	7	8	16	9	8	0	0	0	9	0	0	0	3	0
August	12.1	SW.	40	NW.	1	1	10	5	10	9	19	5	3	0	15	7	9	5	4	0	0	0	4	0	0	0	7	0
September	14.1	SW.	48	NW.	1	9	12	5	3	3	13	9	6	0	14	6	10	8	6	0	0	0	0	0	0	0	1	0
October	18.7	NW.	70	E.	4	4	6	3	6	12	11	5	15	0	12	5	14	9	9	0	0	0	0	0	0	2	0	0
November	20.9	NW.	50	NW.	9	7	5	1	5	1	4	8	29	0	17	3	10	2	2	1	1	0	1	3	0	8	0	0
December	23.7	NW.	76	E.	14	15	11	3	1	1	6	8	17	0	8	6	17	8	6	6	3	0	0	11	0	29	0	0
Year	17.8	NW.	76	E.	79	51	78	45	48	71	152	111	171	3	121	67	177	115	97	29	17	0	39	34	0	107	23	1

Annual meteorological summary for the year ending December 31, 1917—Continued.

BOISE, IDAHO.

[ϕ=43° 37′ N.; λ=116° 13′ 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	27.330	27.740	26.770	20.6	26.4	30.1	16.2	23.2	45	−4	16	18	81	71	0.091	0.105	1.10	0.38	6.3	6.4	7.0	
February	27.262	27.760	26.560	26.7	34.5	37.6	23.4	30.5	52	10	22	23	80	62	.116	.124	1.21	0.30	7.1	6.2	7.6	
March	27.258	27.730	26.660	28.9	37.7	41.0	25.5	33.2	60	15	22	22	74	54	.117	.121	1.75	0.78	6.8	7.4	7.1	
April	27.116	27.530	26.690	39.2	52.3	55.6	37.1	46.4	66	27	31	30	74	44	.174	.165	3.13	1.66	7.4	7.1	7.5	
May	27.062	27.390	26.820	46.5	63.4	66.1	44.0	55.0	85	31	37	35	74	38	.231	.211	2.06	.82	5.8	6.4	6.4	
June	27.202	27.560	26.890	50.5	74.7	77.1	48.2	62.6	96	34	38	34	64	26	.229	.201	.34	.21	2.9	3.7	3.8	
July	27.109	27.380	26.920	62.6	91.4	93.4	61.3	77.4	103	52	45	45	54	21	.304	.309	T.	T.	1.6	2.5	2.3	
August	27.165	27.330	26.990	60.1	88.3	89.8	58.1	74.0	97	50	42	49	53	26	.278	.349	T.	T.	1.9	2.6	1.9	
September	27.165	27.420	26.850	55.1	77.8	80.3	51.7	66.0	94	38	41	43	63	32	.264	.260	1.39	1.16	3.4	3.0	2.9	
October	27.311	27.660	26.890	43.0	62.8	66.8	39.5	53.2	81	24	31	34	63	34	.180	.208	T.	T.	2.0	3.2	3.1	
November	27.347	27.770	26.770	37.3	50.5	55.2	33.6	44.4	72	22	30	32	76	51	.169	.184	1.17	.93	3.2	5.0	5.2	
December	27.276	27.570	26.770	40.1	45.2	49.8	36.5	43.2	64	26	34	34	78	64	.197	.198	2.33	.88	7.5	8.5	8.6	
Year	27.217	27.770	26.560	42.6	58.8	61.9	39.6	50.8	103	−4	32	33	70	44	.196	.205	14.48	1.16	4.7	5.2	5.3	

BOSTON, MASS.

[ϕ=42° 21′ N.; λ=71° 4′ W.]

January	29.842	30.580	29.170	27.0	30.9	37.6	22.8	30.2	55	5	20	23	73	73	0.117	0.133	2.82	0.88	6.1	5.1	6.5	
February	29.778	30.340	28.740	23.3	28.4	33.8	17.9	25.8	53	−3	16	19	71	66	.106	.113	2.67	.72	5.7	4.1	4.9	
March	29.896	30.420	29.270	34.6	38.0	44.5	30.0	37.2	61	17	27	29	72	69	.150	.163	3.73	1.45	6.0	4.2	5.0	
April	29.805	30.220	29.140	42.2	44.5	50.1	37.8	44.0	72	26	35	37	76	75	.208	.225	2.72	1.23	6.5	5.5	5.6	
May	29.675	30.163	29.310	49.2	51.8	57.7	43.7	50.7	80	36	41	45	75	79	.259	.304	4.45	1.40	6.7	6.8	6.3	
June	29.874	30.220	29.630	63.1	66.6	74.4	57.2	65.8	87	50	56	59	80	78	.458	.505	4.05	1.47	6.5	7.1	6.1	
July	29.821	30.120	29.500	71.5	73.4	81.0	65.6	73.3	98	56	64	66	77	78	.595	.640	1.10	.73	6.0	6.6	5.0	
August	29.888	30.240	29.520	70.5	72.3	80.9	64.8	72.8	98	58	63	64	77	76	.576	.603	7.06	3.60	3.8	4.4	4.0	
September	29.969	30.450	29.400	57.9	60.8	68.1	52.4	60.2	83	40	50	54	76	79	.374	.428	1.91	1.47	4.2	2.9	3.6	
October	29.919	30.310	29.150	49.0	51.6	59.6	44.2	51.9	71	37	42	44	78	77	.310	.301	5.33	1.81	5.1	4.7	5.5	
November	29.888	30.420	29.330	35.3	39.9	47.0	31.9	39.4	65	13	26	27	68	60	.144	.152	.59	.40	4.0	2.4	4.2	
December	30.035	30.690	28.970	21.6	24.8	31.5	15.9	23.7	48	−14	15	16	73	67	.098	.097	2.56	1.19	6.4	5.5	6.8	
Year	29.866	30.690	28.740	45.4	48.6	55.5	40.4	47.9	98	−14	38	40	75	73	.283	.305	38.99	3.60	5.6	4.9	5.3	

BUFFALO, N. Y.

[ϕ=42° 53′ N.; λ=78° 53′ W.]

January	29.117	29.930	28.340	23.2	24.1	31.1	17.7	24.4	48	−2	19	20	85	81	0.109	0.110	2.79	0.92	8.5	6.2	7.7	
February	29.099	29.750	28.440	15.9	18.8	25.9	10.2	18.0	51	−8	12	14	83	81	.082	.090	1.97	.57	3.8	5.5	6.8	
March	29.153	29.652	28.520	31.0	33.8	40.5	25.9	33.2	66	6	26	27	80	78	.145	.157	2.69	.82	6.9	5.6	6.4	
April	29.141	29.620	28.440	37.6	41.2	48.3	32.5	40.4	71	22	32	34	80	75	.186	.202	2.45	.76	6.6	7.4	6.9	
May	29.027	29.390	28.500	44.6	49.1	54.5	40.4	47.4	77	34	38	40	79	72	.236	.256	2.88	.66	6.9	6.7	6.8	
June	29.166	29.542	28.850	58.4	61.9	67.1	53.3	60.2	82	45	53	54	82	77	.402	.421	5.28	1.47	7.1	6.7	6.3	
July	29.115	29.350	28.780	67.2	70.6	75.3	63.7	69.5	93	56	61	62	80	77	.538	.572	4.46	2.03	3.8	5.5	4.9	
August	29.178	29.467	28.710	65.2	69.7	75.0	61.4	68.2	88	52	58	59	77	69	.486	.506	1.89	.64	5.8	6.4	5.9	
September	29.291	29.590	28.780	56.3	61.0	66.3	52.6	59.4	76	41	50	50	80	68	.373	.371	2.29	.99	5.6	4.7	5.2	
October	29.155	29.509	28.470	43.3	45.9	52.3	38.7	45.5	75	28	38	38	83	76	.239	.240	6.90	1.29	7.7	6.7	7.7	
November	29.285	29.820	28.400	33.5	35.8	40.4	29.5	35.0	53	15	30	32	87	85	.173	.184	1.17	.32	6.4	5.2	6.3	
December	29.337	29.820	28.210	18.8	20.8	26.8	14.7	20.8	44	−4	15	16	83	82	.091	.098	3.93	1.40	7.7	6.2	7.4	
Year	29.172	29.930	28.210	41.2	44.4	50.3	36.7	43.5	93	−8	36	37	82	77	.255	.267	38.67	2.03	6.8	6.1	6.5	

BURLINGTON, VT.

[ϕ=44° 29′ N.; λ=73° 12′ W.]

January	29.502	30.270	28.756	15.5	.....	25.3	6.8	16.0	42	−14	10	....	76	....	0.076	.....	2.18	0.69	7.4	.....	7.3	
February	29.446	30.040	28.880	9.1	.....	21.2	2.2	11.7	40	−18	5	....	80	....	.062	.....	1.00	.77	7.1	.....	5.9	
March	29.575	30.055	28.880	25.6	.....	36.4	20.6	28.5	57	1	18	....	72	....	.102	.....	2.99	.87	6.4	.....	5.8	
April	29.509	29.974	28.900	37.3	.....	47.0	32.7	39.8	68	17	30	....	76	....	.176	.....	2.42	.58	6.8	.....	7.0	
May	29.386	29.800	29.050	45.0	.....	54.8	39.2	47.0	75	32	36	....	73	....	.220	.....	2.00	.67	7.3	.....	7.4	
June	29.540	29.860	29.280	61.3	.....	70.4	55.0	62.7	81	46	54	....	78	....	.420	.....	3.09	1.16	6.6	.....	6.4	
July	29.503	29.782	29.150	68.6	.....	79.8	62.0	70.9	94	50	61	....	78	....	.540	.....	1.88	.43	5.7	.....	5.8	
August	29.559	29.930	29.110	65.8	.....	77.3	59.6	68.4	93	47	58	....	78	....	.500	.....	3.52	1.09	6.8	.....	5.9	
September	29.681	30.100	29.050	53.2	.....	66.6	46.8	56.7	78	31	47	....	81	....	.335	.....	3.62	1.20	4.7	.....	4.8	
October	29.568	29.970	28.870	43.4	.....	51.7	38.0	44.8	69	28	37	....	79	....	.228	.....	5.76	1.55	8.1	.....	7.8	
November	29.636	30.212	29.080	27.7	.....	36.6	23.3	30.0	50	1	23	....	80	....	.123	.....	.96	.55	7.5	.....	6.7	
December	29.745	30.400	28.670	9.2	.....	20.7	3.7	12.2	41	−25	4	....	78	....	.065	.....	1.10	.48	6.6	.....	6.1	
Year	29.554	30.400	28.670	38.5	.....	49.0	32.5	40.6	93	−25	32	....	77	....	.238	.....	31.71	1.55	6.8	.....	6.4	

Annual meteorological summary for the year ending December 31, 1917—Continued.

BOISE, IDAHO.

[H=2,739 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.	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	4.1	NW.	22	W.	0	4	2	5	18	7	1	4	19	2	7	4	20	12	6	20	10	0	3	15	0	29	0	0
February	5.3	SE.	38	SE.	0	4	2	1	14	10	4	9	12	0	2	10	16	10	8	13	9	0	2	2	0	28	0	0
March	6.0	SE.	35	SW.	0	6	2	3	21	4	3	5	17	1	5	9	17	14	10	17	11	0	2	0	0	27	0	0
April	7.1	SE.	28	NW.	0	4	2	6	20	6	5	4	13	0	3	10	17	12	11	6	3	1	0	0	0	7	0	0
May	6.3	NW.	30	W.	0	4	5	9	8	4	3	7	21	1	3	18	10	16	9	0	0	2	1	0	0	1	4	0
June	5.8	NW.	29	NW.	0	9	1	7	10	8	0	5	20	0	16	10	4	3	3	0	0	1	0	0	2	0	1	0
July	4.5	NW.	21	SE.	0	3	0	3	14	10	0	6	25	1	21	10	0	0	0	0	0	0	0	0	23	0	1	0
August	4.2	NW.	27	SW.	0	0	2	3	17	3	5	11	21	0	23	7	1	0	0	0	0	0	0	0	14	0	3	1
September	4.5	NW.	22	NW.	0	10	3	0	13	1	5	10	17	1	17	8	5	5	4	0	0	0	0	0	7	0	5	0
October	4.3	NW.	32	N.	0	6	3	4	9	4	0	14	19	3	21	5	5	0	0	0	0	0	0	0	0	7	0	0
November	3.6	NW.	21	SE.	0	6	4	5	12	4	1	7	19	2	12	7	11	4	3	0	0	0	0	0	0	13	0	0
December	4.4	SE.	20	SE.	0	7	5	5	23	6	1	5	10	0	2	5	24	17	11	4	0	0	2	0	0	9	0	0
Year	5.0	NW.	38	SE.	0	63	31	51	179	67	28	87	213	11	132	103	130	93	65	60	33	4	10	17	46	121	14	1

BOSTON, MASS.

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

January	11.2	W.	39	SW.	0	1	1	2	7	2	13	24	12	0	9	5	17	12	12	14	8	0	0	10	0	27	0	0
February	12.0	W.	39	W.	0	4	2	2	1	4	14	22	7	0	12	8	8	11	9	12	6	0	0	13	0	26	1	0
March	12.5	W.	45	NE.	1	3	1	4	6	9	9	20	10	0	12	10	9	13	10	9	7	0	0	2	0	19	0	0
April	10.2	NW.	33	NW.	0	5	3	9	8	3	3	9	20	0	10	6	14	11	9	4	1	0	2	0	0	3	1	0
May	11.2	NW.	31	E.	0	9	2	8	4	5	4	13	17	0	9	5	17	14	11	2	0	2	0	0	0	0	2	0
June	8.5	SW.	30	W.	0	5	1	6	9	3	20	8	8	0	9	9	12	13	13	0	0	0	6	0	0	0	5	0
July	8.9	SW.	27	N.	0	3	4	8	0	5	25	12	5	0	10	15	6	7	4	0	0	0	1	0	5	0	3	0
August	8.1	SW.	27	NW.	0	3	6	7	4	12	14	8	8	0	15	11	5	10	8	0	0	0	4	0	2	0	8	1
September	7.7	SW.	25	SW.	0	9	6	4	5	2	11	12	11	0	16	9	5	7	5	0	0	0	1	0	0	0	2	0
October	10.9	SW.	48	NE.	2	9	1	2	1	11	14	15	9	0	11	6	14	14	10	1	0	0	0	0	0	0	1	0
November	10.9	NW.	33	NW.	0	1	2	2	1	7	20	25	0	0	16	7	7	3	3	4	1	0	0	3	0	12	0	0
December	12.3	NW.	48	E.	2	8	2	2	0	2	8	9	31	0	6	8	17	12	5	15	10	0	0	14	0	29	0	0
Year	10.4	W.	48	NE.	5	60	31	56	47	59	142	172	163	0	135	99	131	127	99	61	33	2	14	42	7	116	23	1

BUFFALO, N. Y.

[H=767 ft.; h_t=247 ft.; h_r=238 ft.; h_a=280 ft.]

January	24.0	W.	90	W.	14	2	1	6	5	8	12	26	2	0	2	10	19	17	11	24	14	0	1	15	0	27	0	0
February	23.1	W.	74	SW.	13	2	1	2	2	6	16	13	9	0	6	8	14	19	12	22	14	0	1	21	0	28	2	0
March	23.1	SW.	76	SW.	14	2	4	3	4	12	10	18	4	0	7	10	14	18	15	15	12	0	1	10	0	26	2	0
April	16.6	SW.	50	SW.	7	3	4	9	5	6	12	13	8	0	4	11	15	14	7	6	3	0	5	3	0	16	1	0
May	18.3	SW.	66	SW.	8	5	13	8	2	4	11	7	12	0	4	12	15	15	12	1	0	0	1	0	0	0	4	0
June	15.4	SW.	68	SW.	7	6	4	4	1	11	23	8	3	0	7	9	14	15	10	0	0	1	1	0	0	0	9	0
July	13.9	SW.	72	NW.	5	0	3	4	3	17	30	2	2	1	13	11	7	11	8	0	0	1	1	0	2	0	9	0
August	13.7	SW.	48	SW.	2	1	5	13	4	9	13	12	5	0	8	12	11	12	10	0	0	0	1	0	0	0	8	1
September	13.5	SW.	54	SW.	4	6	12	6	5	9	12	5	5	0	9	12	9	8	6	0	0	0	1	0	0	0	4	0
October	19.9	W.	76	SW.	14	4	2	8	4	10	11	17	6	0	1	9	21	18	16	6	4	0	0	0	0	1	1	0
November	14.7	W.	52	W.	4	5	5	5	4	6	11	17	7	0	9	6	15	12	11	12	7	0	3	5	0	19	0	0
December	18.3	W.	78	W.	7	2	3	7	12	7	8	12	10	1	1	11	19	18	8	21	13	0	1	22	0	29	0	0
Year	17.9	SW.	90	W.	99	38	57	80	51	105	169	155	73	2	71	121	173	177	126	107	67	2	17	76	2	146	40	1

BURLINGTON, VT.

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

January	13.4	S.	48	S.	4	6	4	2	2	11	2	0	4	0	6	6	19	15	11	20	12	0	0	19	0	31	0	0
February	13.8	S.	64	S.	4	7	2	2	1	7	1	1	7	0	7	11	10	8	6	14	7	0	2	20	0	28	0	1
March	14.2	S.	64	S.	6	6	1	1	2	12	3	1	5	0	10	9	12	12	7	14	9	0	1	9	0	26	0	0
April	10.7	N.	36	S.	0	7	2	2	3	7	1	2	6	0	6	7	17	16	12	10	6	0	0	2	0	15	1	0
May	10.6	N.	34	S.	0	11	2	1	0	9	1	1	6	0	4	9	18	13	12	2	1	1	0	0	0	2	2	0
June	9.8	S.	40	S.	1	7	0	0	2	16	2	2	1	0	6	11	13	14	11	0	0	0	0	0	0	0	5	0
July	8.3	S.	26	S.	0	3	0	3	1	18	4	1	1	0	8	14	9	15	9	0	0	0	0	0	3	0	11	1
August	8.7	S.	34	S.	0	3	2	1	4	15	2	2	2	0	8	11	12	16	11	0	0	0	2	0	2	0	8	3
September	8.2	S.	29	S.	0	8	0	2	6	11	3	0	0	0	12	12	6	12	10	0	0	1	2	0	0	1	3	2
October	11.9	S.	50	S.	2	4	1	1	5	13	2	2	3	0	3	6	22	18	17	1	0	0	2	0	0	4	1	0
November	10.1	N.	36	S.	0	8	2	4	2	9	2	0	3	0	5	9	16	7	4	17	5	0	0	7	0	27	0	1
December	12.8	S.	48	NW.	3	5	3	4	7	4	5	0	3	0	8	10	13	6	4	16	8	0	3	23	0	29	0	1
Year	11.0	S.	64	S.	20	75	19	23	35	132	28	12	41	0	83	115	167	152	114	94	46	2	12	80	5	163	31	9

Annual meteorological summary for the year ending December 31, 1917—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	29.690	30.350	29.050	35.7	41.3	47.8	30.7	39.2	70	9	30	33	79	72	0.188	0.209	4.32	2.15	6.3	5.5	6.5
February	29.727	30.305	29.260	29.5	39.2	46.1	25.2	35.6	75	— 4	23	27	75	64	.137	.163	1.54	.64	6.4	5.4	6.0
March	29.683	30.020	29.240	43.7	52.6	57.7	41.2	49.4	78	16	35	39	72	62	.221	.255	3.60	.76	4.8	5.6	5.3
April	29.584	29.940	29.130	51.8	61.9	67.3	48.8	58.0	83	33	43	45	72	56	.288	.321	6.96	3.62	5.7	4.8	5.4
May	29.565	29.860	29.080	56.3	66.3	71.0	52.7	61.8	86	41	48	51	76	60	.358	.395	1.72	.73	3.8	5.7	5.3
June	29.633	29.932	29.250	68.6	77.5	83.1	65.4	74.2	94	50	62	62	79	61	.560	.578	3.15	1.35	4.5	4.2	4.6
July	29.583	29.770	29.260	72.4	80.7	86.2	69.7	78.0	93	63	67	68	84	68	.673	.699	4.74	2.53	5.2	4.5	4.9
August	29.621	29.820	29.340	69.9	78.8	84.5	67.7	76.1	94	58	65	67	85	68	.624	.664	6.36	3.25	4.9	4.9	4.9
September	29.696	29.980	29.460	63.1	73.0	80.0	61.2	70.6	90	45	60	61	88	67	.523	.553	1.40	.64	4.1	2.8	3.7
October	29.669	30.000	29.160	46.9	56.2	63.8	43.5	53.6	84	28	39	41	74	57	.256	.277	1.42	.72	4.1	3.9	4.6
November	29.808	30.190	29.190	41.4	51.0	57.4	39.1	48.2	74	23	35	37	77	62	.207	.225	2.91	1.12	5.2	4.1	4.9
December	29.870	30.340	29.290	24.1	30.5	36.9	20.5	28.7	69	— 7	19	23	80	74	.125	.144	2.31	1.65	6.1	4.3	5.6
Year	29.677	30.350	29.050	50.3	59.1	65.2	47.1	56.1	94	— 7	44	46	78	64	.347	.374	40.43	3.62	5.1	4.6	5.1

CANTON, N. Y.

[ϕ=44° 36′ N.; λ=75° 10′ W.]

January	29.448	30.260	28.600	11.3	.....	23.3	5.4	14.4	46	−25	9	....	90	....	0.079	.....	3.33	1.05	7.0	.....	7.2
February	29.409	30.100	28.810	7.1	.....	20.2	−1.2	9.5	43	−32	4	....	88	....	.061	.....	1.63	.46	6.2	.....	5.5
March	29.508	30.010	28.720	25.8	.....	36.4	20.3	28.4	64	2	20	....	79	....	.113	.....	1.98	.42	5.6	.....	4.7
April	29.463	29.990	28.800	37.3	.....	48.3	32.7	40.5	68	19	32	....	81	....	.184	.....	1.92	.42	6.3	.....	6.5
May	29.349	29.720	28.952	45.6	.....	55.3	38.3	46.8	81	31	38	....	75	....	.228	.....	2.28	.44	7.0	.....	6.5
June	29.485	29.806	29.120	60.4	.....	70.7	53.2	62.0	88	44	53	....	78	....	.407	.....	3.58	1.47	5.7	.....	4.6
July	29.443	29.718	29.140	68.7	.....	79.3	60.8	70.0	93	49	60	....	76	....	.535	.....	2.23	.81	4.6	.....	4.1
August	29.502	29.856	29.070	66.1	.....	77.8	57.9	67.8	94	45	59	....	79	....	.513	.....	4.50	1.26	4.4	.....	4.4
September	29.628	30.030	29.010	53.6	.....	67.1	46.0	56.6	78	35	48	....	81	....	.342	.....	2.02	.52	4.3	.....	4.3
October	29.493	29.924	28.700	42.0	.....	50.1	35.5	42.8	67	25	37	....	82	....	.227	.....	5.64	1.00	6.7	.....	7.9
November	29.608	30.230	28.952	26.1	.....	35.1	21.0	28.0	48	−15	23	....	83	....	.129	.....	1.74	.85	6.8	.....	5.7
December	29.706	30.320	28.500	7.1	.....	17.7	−0.5	8.6	43	−30	4	....	86	....	.067	.....	1.76	.80	5.5	.....	5.1
Year	29.504	30.320	28.500	37.6	.....	48.4	30.8	39.6	94	−32	32	....	82	....	.240	.....	32.61	1.47	5.8	.....	5.5

CAPE HENRY, VA.

[ϕ=36° 56′ N.; λ=76° 0′ W.]

January	30.044	30.660	29.450	39.1	43.1	50.5	34.3	42.4	70	21	....	36	....	79	.....	0.226	2.27	0.45	.....	4.8	5.9
February	30.015	30.570	29.320	35.7	38.9	47.9	29.0	38.4	78	10	....	30	....	71	.....	.180	1.85	.50	.....	3.8	5.8
March	30.008	30.530	29.630	44.4	45.6	54.0	39.0	46.5	76	30	....	38	....	77	.....	.235	4.08	.72	.....	3.4	5.2
April	29.953	30.460	29.374	52.9	54.6	64.1	47.4	55.8	94	36	....	45	....	73	.....	.313	2.07	.91	.....	2.5	4.0
May	29.857	30.200	29.530	60.2	62.1	70.9	54.3	62.6	92	45	....	50	....	67	.....	.375	2.09	.52	.....	4.9	3.5
June	30.034	30.280	29.780	71.2	70.3	80.2	64.3	72.2	95	57	....	65	....	84	.....	.625	5.68	2.02	.....	5.2	4.5
July	29.981	30.220	29.620	74.9	75.6	83.5	70.1	76.8	94	64	....	70	....	85	.....	.745	8.67	2.88	.....	7.0	5.7
August	30.008	30.270	29.650	76.3	75.2	83.3	69.4	76.4	96	57	....	69	....	82	.....	.715	2.47	1.42	.....	3.8	3.4
September	30.078	30.320	29.670	67.5	67.7	74.0	63.2	68.6	87	53	....	61	....	81	.....	.558	3.74	2.17	.....	3.8	5.6
October	30.051	30.350	29.460	56.0	57.9	65.4	50.4	57.9	82	40	....	51	....	80	.....	.394	3.07	1.32	.....	1.9	3.3
November	30.084	30.640	29.350	44.9	47.4	53.8	41.9	47.8	70	30	....	36	....	67	.....	.219	.63	.47	.....	3.0	4.2
December	30.182	30.630	29.320	32.9	34.5	39.8	29.7	34.8	62	7	....	29	....	80	.....	.170	2.78	.82	.....	4.7	6.1
Year	30.032	30.680	29.320	54.7	56.1	64.0	49.4	56.7	96	7	....	48	....	77	.....	.396	39.40	2.88	.....	4.2	4.8

CAPE MAY, N. J.

[ϕ=38° 56′ N.; λ=74° 51′ W.]

January	30.064	30.768	29.450	32.6	35.3	41.4	28.1	34.8	54	14	....	....	....	....	.....	.....	3.28	0.83	5.9	4.5	6.5
February	30.011	30.565	29.367	28.5	31.7	38.2	24.3	31.2	57	4	....	....	....	....	.....	.....	2.80	.84	4.8	3.4	5.4
March	30.104	30.562	29.581	38.7	40.0	46.0	34.3	40.2	58	24	....	....	....	....	.....	.....	6.96	1.60	4.9	3.9	5.3
April	29.973	30.469	29.308	46.7	47.8	55.7	42.1	48.9	71	28	....	....	....	....	.....	.....	2.54	1.08	4.5	4.9	4.7
May	29.858	30.273	29.593	54.8	54.8	63.5	49.1	56.3	88	38	....	....	....	....	.....	.....	2.39	1.16	4.7	3.2	5.5
June	30.040	30.325	29.863	65.3	63.5	73.2	59.3	66.2	92	55	....	....	....	....	.....	.....	4.03	1.16	3.5	4.2	4.6
July	29.995	30.238	29.670	71.6	71.0	79.6	66.8	73.2	98	61	....	....	....	....	.....	.....	5.81	1.38	5.1	4.7	5.6
August	30.028	30.289	29.690	74.1	73.3	80.7	67.7	74.2	91	56	....	....	....	....	.....	.....	1.41	.94	2.4	2.8	3.3
September	30.120	30.444	29.631	62.2	63.1	70.3	56.9	63.6	81	42	....	....	....	....	.....	.....	2.06	.98	4.8	3.7	4.6
October	30.075	30.362	29.577	52.6	54.1	61.2	46.2	53.7	77	32	....	....	....	....	.....	.....	7.51	2.21	3.5	3.5	3.8
November	30.121	30.682	29.438	39.2	43.9	50.2	36.3	43.2	64	21	....	....	....	....	.....	.....	.30	.18	3.6	3.0	3.9
December	30.233	30.715	29.301	26.1	30.5	35.6	23.0	29.3	50	— 2	....	....	....	....	.....	.....	2.43	.81	5.5	5.5	5.2
Year	30.052	30.768	29.301	49.4	50.8	58.0	44.5	51.2	98	— 2	....	....	....	....	.....	.....	41.52	2.21	4.4	3.9	4.9

Annual meteorological summary for the year ending December 31, 1917—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.	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	10.0	N.	40	S.	1	12	8	0	7	12	10	4	8	1	6	11	14	13	10	6	3	0	1	5	0	16	3	0
February	12.9	N.	42	NW.	1	17	7	2	2	8	11	1	8	0	7	9	12	6	5	7	2	0	0	6	0	15	3	0
March	13.9	S.	43	N.	2	8	7	0	5	22	4	5	11	0	12	8	11	12	11	3	3	1	0	1	0	5	9	0
April	10.8	S.	47	N.	3	12	6	3	7	16	5	5	6	0	10	9	11	10	8	1	0	0	0	0	0	0	5	0
May	10.1	N.	42	S.	1	18	3	1	2	11	17	4	6	0	11	7	13	8	7	0	0	0	0	0	0	0	7	0
June	7.9	S.	39	SW.	0	8	4	3	7	16	12	5	5	0	9	16	5	9	6	0	0	0	0	0	7	0	10	0
July	6.7	SW.	40	NW.	1	10	4	4	7	9	22	4	2	0	10	14	7	11	6	0	0	2	0	0	8	0	14	0
August	5.8	S.	24	N.	0	10	10	2	4	14	8	2	11	1	10	15	6	8	7	0	0	0	0	0	4	0	7	0
September	6.5	N.	43	N.	1	17	11	2	4	14	3	2	7	0	15	13	2	4	3	0	0	0	0	0	1	0	3	0
October	9.2	N.	32	W.	0	12	1	1	10	12	9	6	11	0	13	10	8	6	4	1	0	0	1	0	0	3	2	0
November	7.2	N.	28	N.	0	14	2	2	3	14	10	4	11	0	11	9	10	6	4	1	0	0	1	0	0	5	2	0
December	10.2	N.	39	SW.	0	20	11	4	5	11	3	2	6	0	9	11	11	9	9	10	8	0	1	13	0	22	0	0
Year	9.3	S.	47	N.	10	158	74	24	63	159	114	44	92	2	123	132	110	102	80	29	16	3	4	25	20	66	65	0

CANTON, N. Y.

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

January	13.2	W.	47	SW.	4	2	2	4	0	3	9	8	3	0	7	4	20	17	11	22	15	0	0	20	0	31	0	2
February	12.8	W.	45	SW.	5	1	3	1	0	0	12	7	4	0	12	4	12	16	10	18	14	0	0	20	0	28	0	2
March	15.4	SW.	60	SW.	6	3	2	3	0	5	10	6	2	0	15	5	11	14	11	14	9	1	0	10	0	28	2	1
April	11.4	W.	59	SW.	2	4	0	8	3	1	4	6	4	0	8	8	14	12	10	8	3	0	0	1	0	15	1	2
May	11.0	E.	36	NE.	0	5	5	6	2	4	4	1	4	0	7	9	15	12	11	1	0	1	0	0	0	1	0	0
June	10.1	SW.	39	W.	0	1	0	2	2	1	11	10	3	0	12	13	5	13	9	0	0	0	1	0	0	0	4	1
July	8.6	SW.	37	SW.	0	1	2	2	1	3	18	4	0	0	15	11	5	10	6	0	0	0	0	0	4	0	3	0
August	8.8	SW.	34	SW.	0	0	1	2	1	5	16	6	0	0	14	10	7	14	10	0	0	0	0	0	1	0	9	4
September	7.3	SW.	29	SW.	0	2	2	3	2	5	11	4	1	0	13	11	6	8	8	0	0	0	0	0	0	0	2	1
October	11.9	SW.	47	SW.	4	2	2	4	2	2	12	5	1	1	4	6	21	20	16	2	1	1	0	0	0	8	3	2
November	9.0	SW.	28	NE.	0	5	0	3	3	0	7	6	6	0	9	8	13	6	6	9	5	0	0	7	0	29	0	4
December	10.5	W.	56	SW.	2	3	2	5	0	2	9	5	5	0	14	5	12	12	7	15	9	0	0	24	0	30	0	1
Year	10.8	SW.	60	SW.	23	29	21	43	16	31	123	68	33	1	130	94	141	154	115	89	56	3	1	82	5	170	24	20

CAPE HENRY, VA.

[H=18 ft.; h_t=9 ft.; h_r=43 feet.; h_a=58 ft.]

January	13.4	SW.	40	NE.	2	2	4	3	5	4	4	8	1	0	10	8	13	17	10	2	0	0	4	2	0	11	0	0
February	16.0	SW.	50	NW.	4	4	3	0	5	2	8	3	3	0	8	10	10	13	8	6	4	0	7	4	0	14	2	0
March	14.9	S.	44	N.	2	3	3	3	2	10	5	1	4	0	13	6	12	12	12	0	0	0	4	0	0	4	3	0
April	14.7	SE.	56	NE.	5	1	3	2	4	9	8	2	1	0	15	10	5	9	6	0	0	0	1	0	1	0	5	0
May	14.6	W.	46	SW.	3	3	3	1	4	7	7	4	2	0	18	9	4	9	7	0	0	0	1	0	2	0	6	0
June	11.9	S.	60	N.	2	3	2	1	2	13	9	0	0	0	12	13	5	13	13	0	0	0	2	0	4	0	14	0
July	9.5	SW.	39	N.	0	0	1	2	7	6	12	2	1	0	10	9	12	20	17	0	0	0	2	0	7	0	17	0
August	9.0	S.	39	NE.	0	0	5	1	6	12	3	3	0	1	19	9	3	9	6	0	0	0	3	0	2	0	8	0
September	17.0	NE.	53	NE.	4	0	9	8	2	5	3	2	1	0	12	5	13	11	8	0	0	0	3	0	0	0	4	0
October	15.0	SW.	44	NW.	5	2	5	3	5	3	9	1	3	0	19	7	5	10	8	0	0	0	0	0	0	0	2	0
November	15.0	NE.	45	NE.	4	4	9	2	1	1	4	3	6	0	16	4	10	4	3	0	0	0	1	0	0	0	2	0
December	19.0	NE.	50	NE.	7	7	10	4	2	0	3	4	1	0	11	2	18	13	10	8	7	0	1	6	0	15	0	0
Year	14.2	SW.	60	N.	38	29	57	30	45	72	75	33	23	1	163	92	110	140	108	16	11	0	29	12	16	46	61	0

CAPE MAY, N. J.

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

January	9.3	NW.	31	SE.	0	9	4	1	8	11	5	10	14	0	8	7	16	13	11	3	2	0	7	4	0	21	0	....
February	11.4	NW.	38	NW.	0	6	5	1	2	11	7	7	16	1	8	10	10	12	11	6	3	0	4	7	0	22	1	....
March	10.9	NW.	42	S.	1	4	10	3	12	4	6	7	16	0	10	11	10	17	14	2	1	0	1	0	0	9	1	....
April	9.4	E.	45	SE.	2	7	3	12	5	10	3	9	11	0	12	13	5	8	7	1	1	0	3	0	0	2	2	....
May	8.1	NW.	26	E.	0	8	4	5	4	10	5	10	16	0	8	15	8	11	9	0	0	0	0	0	0	0	5	....
June	7.0	S.	28	W.	0	6	1	4	3	34	6	2	4	0	12	12	6	13	10	0	0	0	7	0	1	0	9	....
July	6.4	S.	30	NW.	0	3	4	9	6	21	11	6	2	0	7	16	8	13	13	0	0	0	11	0	2	0	8	....
August	6.5	S.	26	NW.	0	8	2	8	7	22	6	4	5	0	19	9	3	7	5	0	0	0	2	0	1	0	5	....
September	8.1	N.	32	E.	0	14	11	9	4	6	6	6	3	1	13	10	7	7	5	0	0	0	0	0	0	0	1	....
October	10.0	S.	42	NW.	1	15	4	5	4	16	3	5	10	0	19	7	5	11	10	0	0	0	2	0	0	1	2	....
November	8.4	N.	28	NW.	0	21	4	1	3	5	3	7	16	0	15	7	8	3	3	2	1	0	2	0	0	9	0	....
December	10.9	N.	48	S.	1	31	3	2	1	3	7	7	8	0	11	9	11	11	7	6	6	0	9	0	0	25	0	....
Year	8.9	S.	48	S.	5	132	55	60	59	153	68	80	121	2	142	126	97	126	105	20	14	0	37	20	4	89	34	....

Annual meteorological summary for the year ending December 31, 1917—Continued.

CHARLES CITY, IOWA.

[ϕ=43° 04′ N.; λ=92° 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	28.921	29.760	27.930	6.4	13.5	21.2	0.7	11.0	42	— 16	4	10	90	89	0.055	0.075	1.02	0.55	3.7	4.3	4.5
February	28.997	29.540	28.160	2.2	11.9	20.7	— 2.2	9.2	43	— 26	0	9	88	85	.048	.072	.80	.50	5.5	4.1	5.0
March	28.886	29.530	28.270	24.5	33.3	39.3	21.5	30.4	67	— 6	21	26	84	74	.119	.145	2.47	.89	5.1	5.0	5.9
April	28.910	29.190	28.460	38.6	46.8	53.4	35.1	44.2	83	24	33	36	80	67	.200	.222	2.94	.94	6.6	7.1	6.9
May	28.881	29.270	28.470	47.5	60.5	65.5	41.5	53.5	89	29	40	42	76	53	.257	.274	4.81	1.32	4.7	3.8	4.9
June	28.870	29.202	28.060	58.3	68.9	74.0	53.4	63.7	90	38	53	56	84	66	.416	.468	4.96	2.20	5.8	6.2	5.9
July	28.869	29.043	28.600	67.1	77.8	83.4	61.4	72.4	98	46	61	63	83	62	.555	.601	5.00	1.81	3.3	4.2	4.3
August	28.941	29.147	28.690	59.7	72.6	79.1	54.8	67.0	93	43	55	58	85	62	.437	.501	1.69	.63	4.1	4.5	4.5
September	29.030	29.520	28.730	52.3	62.2	70.4	49.6	60.0	85	33	49	53	87	72	.355	.410	2.75	1.21	5.3	4.8	5.3
October	28.911	29.370	28.373	33.6	40.6	48.4	29.9	39.2	74	9	30	31	86	69	.172	.178	2.22	.76	6.7	6.0	6.9
November	29.096	29.420	28.460	31.8	39.0	46.9	29.6	38.2	65	14	29	33	89	80	.162	.194	.35	.24	5.9	4.7	6.2
December	29.135	29.790	28.560	9.8	12.9	19.5	3.5	11.5	43	— 18	7	9	88	84	.076	.079	.44	.12	6.8	5.2	7.2
Year	28.954	29.790	27.930	36.0	45.0	51.8	31.6	41.7	98	— 26	32	36	85	72	.238	.268	29.47	2.20	5.2	5.0	5.6

CHARLESTON, S. C.

[ϕ=32° 47′ N.; λ=79° 56′ W.]

January	30.068	30.490	29.510	50.0	54.4	62.5	46.6	54.6	76	28	46	50	88	84	0.332	0.370	2.69	0.92	5.4	5.0	5.4
February	30.075	30.470	29.550	45.0	51.0	60.2	41.3	50.8	78	12	37	40	74	69	.270	.295	2.07	1.22	3.9	2.9	3.3
March	30.104	30.410	29.740	55.8	59.0	67.2	51.7	59.4	84	34	48	50	77	75	.368	.385	3.05	1.39	4.1	4.2	4.5
April	29.949	30.300	29.499	64.2	65.9	75.7	58.6	67.2	92	45	54	57	72	73	.446	.476	.97	.50	3.9	1.6	2.7
May	29.898	30.124	29.640	67.5	70.2	79.1	61.4	70.2	91	49	54	57	63	65	.438	.483	3.80	2.13	3.2	3.1	3.5
June	30.033	30.270	29.740	77.3	77.2	83.7	71.5	77.6	88	64	69	70	76	78	.713	.734	1.92	1.30	4.5	4.1	4.0
July	29.990	30.170	29.640	80.8	80.1	87.4	74.3	80.8	95	66	73	74	78	82	.812	.840	2.95	2.43	4.2	5.9	4.8
August	29.962	30.180	29.650	78.1	80.1	86.2	74.1	80.2	94	70	72	72	81	78	.776	.796	5.06	2.68	4.5	5.7	4.6
September	29.988	30.180	29.660	70.9	73.4	79.3	67.4	73.4	93	58	66	67	84	81	.650	.674	2.34	1.12	5.6	5.7	5.6
October	30.017	30.230	29.700	60.1	64.3	71.8	55.6	63.7	84	39	53	56	77	76	.423	.475	.33	.32	3.2	1.2	2.8
November	30.099	30.560	29.425	48.6	54.6	63.2	45.7	54.4	75	32	41	45	77	72	.275	.317	.31	.20	2.0	1.8	2.2
December	30.157	30.540	29.480	37.7	41.2	49.5	34.5	42.0	73	12	31	35	77	78	.192	.218	1.08	.39	5.3	3.9	4.7
Year	30.028	30.560	29.420	61.3	64.3	72.2	56.9	64.5	95	12	54	56	77	76	.475	.505	33.57	2.68	4.1	3.8	4.0

CHARLOTTE, N. C.

[ϕ=35° 13′ N.; λ=80° 51′ W.]

January	29.233	29.740	28.680	40.9	48.1	54.0	38.2	46.1	72	19	36	40	83	74	0.230	0.263	3.08	0.59	5.7	5.5	6.4
February	29.219	29.680	28.603	36.6	44.8	52.7	33.1	42.9	74	7	30	33	75	65	.198	.225	3.78	1.07	5.8	4.1	4.7
March	29.281	29.584	28.880	44.3	53.7	59.0	41.6	50.3	75	26	38	40	78	63	.236	.259	6.42	1.66	5.1	4.5	5.1
April	29.142	29.564	28.530	54.4	65.9	73.5	51.1	62.3	89	36	45	43	72	49	.309	.294	2.54	1.11	4.9	3.1	3.6
May	29.093	29.390	28.780	58.6	67.3	73.7	53.4	63.6	89	41	49	49	71	55	.356	.359	2.45	1.21	4.5	4.1	5.2
June	29.236	29.530	28.940	70.4	76.3	85.8	64.6	75.2	94	53	62	60	76	60	.572	.527	4.70	2.30	4.5	4.9	5.3
July	29.190	29.400	28.850	72.8	78.5	86.2	68.7	77.4	97	63	68	67	86	70	.690	.667	5.85	1.45	5.7	5.9	6.5
August	29.203	29.450	28.850	71.1	77.7	85.8	67.9	76.8	95	61	65	64	81	64	.620	.595	4.84	2.37	4.8	4.4	5.7
September	29.264	29.510	28.930	62.5	68.7	75.2	60.1	67.6	89	45	58	58	86	70	.498	.500	3.29	.95	6.1	5.0	6.5
October	29.235	29.500	28.800	50.0	59.9	68.0	46.0	57.0	83	31	43	44	77	55	.299	.310	1.95	1.08	2.6	1.8	2.8
November	29.301	29.770	28.590	42.4	51.7	58.0	40.4	49.2	73	24	34	34	72	54	.200	.206	.75	.42	3.5	3.8	4.2
December	29.370	29.740	28.560	28.0	35.9	41.5	25.2	33.4	68	1	23	24	80	62	.137	.140	1.69	.53	6.4	4.0	4.8
Year	29.231	29.770	28.530	52.7	60.7	67.8	49.2	58.5	97	1	46	46	78	62	.362	.362	41.34	2.37	4.9	4.3	5.1

CHATTANOOGA, TENN.

[ϕ=35° 4′ N.; λ=85° 14′ W.]

January	29.296	29.740	28.760	40.8	48.1	52.8	37.5	45.2	73	18	35	37	79	68	0.224	0.248	7.42	1.26	7.1	6.5	7.1
February	29.312	29.756	28.840	37.0	44.5	51.8	32.3	42.0	74	4	30	30	74	58	.209	.213	4.30	1.72	6.3	5.4	5.6
March	29.320	29.590	28.970	45.2	54.8	60.5	42.5	51.5	78	20	37	39	73	61	.284	.270	13.91	2.48	4.7	5.0	5.5
April	29.185	29.530	28.751	54.8	67.1	73.3	50.5	61.9	86	35	44	41	68	43	.305	.275	3.89	2.30	4.5	5.3	4.2
May	29.176	29.350	28.750	55.5	67.9	73.0	52.3	62.6	86	42	44	45	66	47	.306	.319	2.96	1.30	5.3	4.3	5.0
June	29.272	29.541	29.000	67.2	76.8	83.0	63.0	73.0	96	49	61	62	82	62	.552	.562	5.71	1.76	5.2	5.0	5.1
July	29.219	29.450	28.900	71.6	80.2	85.5	68.6	77.0	94	63	66	66	83	64	.842	.648	4.84	1.88	6.0	5.5	5.9
August	29.236	29.440	28.930	69.8	77.0	83.6	67.0	75.3	91	57	65	66	84	69	.618	.640	5.71	1.68	4.6	6.4	5.5
September	29.285	29.510	28.970	63.3	71.8	78.3	61.3	69.8	89	51	58	60	84	68	.500	.537	4.16	1.69	4.9	5.2	5.1
October	29.289	29.490	28.880	45.7	58.0	66.4	42.7	54.6	80	26	40	42	79	56	.258	.287	1.94	1.10	3.5	2.5	3.2
November	29.386	29.800	28.710	40.4	52.9	58.9	39.3	49.1	71	26	34	36	77	54	.202	.220	.77	.28	3.5	4.2	4.1
December	29.421	29.730	28.600	29.0	37.3	42.9	25.7	34.3	70	6	22	25	72	60	.132	.146	2.13	.60	6.0	5.2	5.4
Year	29.283	29.800	28.600	51.7	61.4	67.5	48.6	58.0	96	4	45	46	77	59	.348	.364	57.73	2.48	5.1	5.0	5.1

Annual meteorological summary for the year ending December 31, 1917—Continued.

CHARLES CITY, IOWA.

[H=1,015 ft.; h_t=10 ft.; h_r=4 ft.; h_a=49 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	7.5	NW.	25	E.	0	4	5	3	6	7	9	2	26	0	12	13	6	7	5	7	7	0	0	22	0	31	0	0
February	8.5	NW.	28	NW.	0	6	1	2	9	5	0	7	26	0	8	13	7	3	1	7	3	0	0	22	0	28	0	0
March	9.2	NW.	28	SE.	0	5	5	3	16	2	6	4	21	0	7	14	10	7	5	6	4	0	0	8	0	27	1	0
April	7.6	NE.	30	SW.	0	7	10	11	15	2	3	4	7	1	3	13	14	14	10	3	3	2	0	0	0	11	3	0
May	6.2	NE.	36	W.	0	6	14	8	12	5	4	1	11	1	13	12	6	12	10	0	0	2	0	0	0	1	5	0
June	7.0	NW.	33	SE.	0	3	7	6	12	3	6	4	19	0	6	15	9	15	14	0	0	1	0	0	0	0	11	0
July	5.4	NW.	24	SE.	0	8	9	3	16	3	11	1	10	1	16	12	3	10	6	0	0	0	0	0	7	0	11	0
August	4.9	NW.	24	S.	0	4	2	4	7	9	8	6	19	3	13	14	4	7	7	0	0	0	1	0	1	0	3	2
September	5.1	SE.	24	SE.	0	6	7	8	14	9	3	3	8	2	13	9	8	9	8	0	0	0	0	0	0	0	4	0
October	7.7	NW.	25	NE.	0	5	4	1	13	4	8	6	21	0	1	9	21	10	8	8	5	0	0	4	0	20	1	0
November	5.2	SE.	26	NW.	0	5	6	5	14	8	6	6	10	0	10	8	12	4	3	3	2	0	5	5	0	18	0	0
December	7.8	N.	24	S.	0	15	5	1	6	15	8	2	10	0	5	10	16	9	5	11	9	0	0	20	0	30	0	0
Year	6.8	NW.	36	W.	0	74	75	55	140	72	72	46	188	8	107	142	116	107	82	45	33	5	6	81	8	166	39	2

CHARLESTON, S. C.

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

January	9.6	SW.	30	NW.	0	9	5	2	2	8	22	8	6	0	11	7	13	11	7	0	0	0	3	0	0	2	0	0
February	12.1	SW.	43	W.	3	3	4	2	3	5	22	11	6	0	16	7	5	8	5	2	0	0	2	0	0	8	1	0
March	12.1	SW.	34	NE.	0	4	11	8	3	12	12	6	6	0	15	6	10	10	7	0	0	0	2	0	0	0	4	0
April	10.9	S.	41	SW.	1	3	4	4	5	12	13	11	8	0	18	10	2	6	5	0	0	0	0	0	0	2	2	0
May	11.1	SW.	38	SW.	0	6	5	2	2	7	14	16	10	0	19	5	7	7	4	0	0	0	0	0	4	0	6	0
June	10.2	S.	37	SE.	0	2	3	7	4	21	18	2	3	0	16	9	5	9	6	0	0	0	0	0	0	0	6	0
July	9.5	S.	46	NE.	1	1	3	1	3	27	19	7	1	0	11	14	6	16	14	0	0	0	0	0	8	0	18	0
August	8.4	NE.	28	E.	0	4	13	8	6	8	12	5	6	0	11	11	9	11	9	0	0	0	0	0	6	0	5	0
September	11.9	NE.	34	NE.	0	17	19	6	3	8	2	2	3	0	9	11	10	13	7	0	0	0	0	0	1	0	3	0
October	10.2	N.	36	NW.	0	14	14	6	3	8	5	4	8	0	21	5	5	2	1	0	0	0	2	0	0	0	1	0
November	8.8	N.	26	NE.	0	13	6	2	3	10	9	7	10	0	23	3	4	4	3	0	0	0	1	0	0	1	1	0
December	12.1	N.	39	N.	0	23	14	2	2	2	6	4	9	0	15	5	11	10	5	3	2	0	0	2	0	11	0	0
Year	10.6	SW.	46	NE.	5	99	101	50	39	128	154	83	76	0	185	93	87	107	73	5	2	0	10	2	21	22	47	0

CHARLOTTE, N. C.

[H=779 ft.; h_t=153 ft.; h_r=144 ft.; h_a=161 ft.]

January	10.2	SW.	39	NW.	0	2	9	4	3	15	19	6	4	0	8	8	15	15	12	2	0	0	6	1	0	8	0	0
February	12.9	SW.	55	NW.	3	3	4	4	6	6	20	5	8	0	14	4	10	12	11	3	2	0	0	2	0	12	1	0
March	11.7	SW.	48	W.	2	2	11	9	5	8	15	5	7	0	12	8	11	16	12	0	0	0	0	0	0	3	4	0
April	11.3	SW.	60	SW.	3	4	14	4	3	11	17	2	5	0	19	5	6	9	7	0	0	0	0	0	0	0	5	0
May	11.5	SW.	50	SW.	2	9	6	5	2	4	18	5	13	0	11	9	11	6	5	0	0	1	0	0	0	0	4	0
June	9.0	SW.	60	NW.	3	3	8	5	4	15	19	3	3	0	9	14	7	10	8	0	0	0	0	0	7	0	10	0
July	7.9	SW.	37	SW.	0	2	10	11	4	14	14	6	1	0	6	12	13	13	12	0	0	0	0	0	6	0	11	0
August	7.8	NE.	35	NW.	0	4	23	10	1	9	7	3	5	0	9	9	13	8	6	0	0	0	0	0	2	0	8	0
September	10.3	NE.	32	NW.	0	7	27	8	1	6	4	0	7	0	7	9	14	7	5	0	0	0	1	0	0	0	3	0
October	10.2	NE.	39	NW.	0	4	14	8	9	9	8	2	8	0	19	7	5	5	5	0	0	0	1	0	0	2	1	0
November	9.0	NE.	35	NW.	0	11	14	2	2	6	8	5	12	0	14	6	10	5	2	0	0	0	1	0	0	4	1	0
December	10.7	NE.	46	SW.	2	3	27	8	1	1	13	2	7	0	12	11	8	8	6	7	5	0	0	10	0	20	1	0
Year	10.2	NE.	60	SW.	15	54	167	78	41	104	162	44	80	0	140	102	123	114	91	12	7	1	9	13	15	49	49	0

CHATTANOOGA, TENN.

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

January	8.1	SW.	44	NW.	2	6	5	3	5	10	14	9	10	0	6	6	19	19	17	1	1	0	3	0	0	7	4	0
February	10.0	SW.	52	NW.	3	5	7	1	2	11	13	9	8	0	10	8	10	12	12	4	2	0	2	3	0	13	2	0
March	9.7	NW.	37	NW.	0	2	8	3	6	13	5	10	15	0	11	6	14	19	17	2	1	0	1	0	0	4	11	0
April	9.5	W.	40	NW.	1	6	6	1	4	9	11	16	7	0	15	9	6	9	7	0	0	1	0	0	0	0	5	0
May	10.0	W.	53	SW.	1	9	4	1	1	7	10	19	11	0	8	16	7	9	7	6	0	1	0	0	0	0	5	0
June	6.4	SW.	46	NW.	1	3	9	6	8	9	11	6	8	0	8	18	4	13	10	0	0	2	0	0	0	0	15	0
July	6.8	W.	46	SW.	1	1	5	2	10	5	12	23	4	0	5	18	8	14	13	0	0	0	0	0	8	0	13	0
August	5.6	NE.	37	N.	0	10	11	2	4	10	10	9	6	0	8	12	11	12	11	0	0	0	0	0	0	1	11	0
September	5.7	NE.	26	N.	0	3	23	1	6	4	5	9	9	0	10	12	8	11	6	0	0	0	5	0	0	0	6	0
October	7.6	NW.	38	SW.	0	6	7	1	8	8	7	9	16	0	21	6	4	4	3	2	0	0	3	0	0	2	1	0
November	6.4	NW.	27	NW.	0	6	13	3	3	2	3	14	16	0	16	4	10	6	5	1	0	1	7	0	0	6	2	0
December	7.9	NE.	42	S.	1	9	20	2	5	6	6	8	6	0	13	7	11	9	7	7	5	0	5	7	0	21	0	0
Year	7.8	W.	53	SW.	10	66	118	26	62	94	107	141	116	0	131	122	112	137	115	17	9	5	26	10	15	53	75	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

CHEYENNE, WYO.

[ϕ=41° 8′ N.; λ=104° 48′ 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	23.862	24.220	23.380	19.4	24.1	31.9	11.6	21.8	50	−12	9	7	65	49	0.066	0.059	0.30	0.12	3.6	4.5	3.5
February	23.913	24.220	23.350	22.9	30.6	36.7	17.8	27.2	54	− 4	13	16	66	55	.078	.090	.80	.29	4.8	5.4	5.6
March	23.882	24.220	23.500	21.3	31.2	35.8	15.5	25.6	64	0	10	12	62	46	.070	.076	.69	.29	5.5	4.8	4.9
April	23.910	24.170	23.400	28.9	41.8	47.0	25.8	36.4	66	6	22	24	74	55	.120	.128	1.75	.36	6.2	8.1	6.9
May	23.934	24.244	23.570	36.7	47.8	52.0	33.9	43.0	75	13	32	36	85	67	.187	.211	4.65	1.70	6.3	7.9	7.3
June	24.071	24.490	23.620	49.0	67.7	72.0	44.4	58.2	88	30	38	40	68	40	.240	.261	.34	.21	3.0	4.9	4.0
July	24.117	24.370	23.870	57.0	74.3	81.0	53.7	67.4	88	41	47	48	70	42	.328	.340	1.62	.47	3.1	4.6	4.3
August	24.144	24.350	23.970	52.3	68.8	74.3	48.6	61.4	88	40	44	46	75	47	.287	.313	1.75	.98	5.2	5.0	5.0
September	24.129	24.360	23.830	48.1	65.6	71.9	45.2	58.6	85	35	39	40	74	43	.246	.259	.56	.36	3.8	5.1	4.4
October	24.046	24.410	23.560	35.9	47.8	57.1	29.5	43.3	75	2	24	30	96	53	.136	.179	.39	.25	4.0	4.6	4.5
November	24.131	24.390	23.820	34.2	43.5	52.6	29.0	40.8	66	15	22	25	62	51	.118	.136	.40	.34	4.5	4.1	4.9
December	23.950	24.250	23.650	30.9	32.1	41.7	19.1	30.4	59	− 7	17	18	59	56	.096	.101	.81	.48	4.9	5.8	6.9
Year	24.007	24.490	23.350	36.4	47.9	54.5	31.2	42.8	88	−12	26	28	69	50	.164	.179	14.06	1.70	4.6	5.4	5.2

CHICAGO, ILL.

[ϕ=41° 53′ N.; λ=87° 37′ W.]

January	29.116	29.900	28.350	21.6	26.4	31.6	16.7	24.2	47	− 4	16	19	78	72	0.102	0.111	1.55	0.57	4.5	4.7	4.1
February	29.149	29.768	28.580	16.8	22.6	28.3	11.3	19.8	50	−10	10	13	73	66	.077	.086	.67	.24	4.4	4.8	5.1
March	29.105	29.620	28.520	35.0	40.9	46.4	31.2	38.8	76	11	26	28	68	60	.148	.158	2.11	1.22	5.6	6.1	5.8
April	29.109	29.420	28.540	41.9	45.0	50.8	38.8	44.8	82	30	33	35	71	68	.202	.213	2.58	.81	6.8	6.0	6.6
May	29.063	29.370	28.600	49.4	54.1	59.5	45.8	52.6	88	37	38	38	65	58	.236	.240	3.41	1.51	4.6	4.8	5.2
June	29.101	29.400	28.660	61.5	65.4	72.3	55.2	63.8	86	45	54	53	76	65	.422	.410	2.87	.88	5.4	4.1	5.8
July	29.078	29.258	28.760	68.4	74.5	79.4	65.1	72.2	98	55	61	61	78	64	.546	.543	2.68	.77	3.9	3.5	4.3
August	29.130	29.320	28.769	67.3	72.0	76.7	64.1	70.4	90	47	58	59	72	65	.485	.511	1.24	.31	2.6	3.5	4.2
September	29.243	29.575	28.920	59.6	65.6	69.6	57.8	63.7	86	45	51	52	73	62	.378	.395	2.15	.90	3.7	2.8	4.3
October	29.109	29.458	28.510	42.5	47.3	51.3	38.8	45.0	69	23	34	34	71	62	.207	.206	3.96	1.42	6.9	6.9	7.6
November	29.290	29.730	28.500	39.5	44.2	48.6	37.4	43.0	69	22	32	34	74	67	.184	.199	.56	.34	5.4	5.4	5.6
December	29.325	29.830	28.870	20.3	24.3	28.5	16.4	22.4	52	− 3	15	16	78	70	.099	.102	.88	.50	6.9	5.8	6.8
Year	29.152	29.900	28.350	43.6	48.5	53.6	39.9	46.7	98	−10	36	37	73	65	.257	.264	24.66	1.51	5.1	4.9	5.4

CINCINNATI, OHIO.

[ϕ=39° 6′ N.; λ=84° 30′ W.]

January	29.371	30.050	28.640	28.3	34.0	41.6	23.2	32.4	67	0	25	28	87	78	0.151	0.172	4.74	1.72	6.4	5.9	6.5
February	29.388	30.050	28.760	23.7	31.0	39.2	18.8	29.0	70	− 9	19	22	82	70	.118	.135	1.50	.76	7.6	4.9	7.1
March	29.391	29.770	28.910	36.5	45.3	52.4	33.7	43.0	79	14	29	31	75	59	.164	.181	4.06	1.19	5.6	4.9	5.7
April	29.311	29.700	28.620	45.8	54.2	61.4	40.9	51.2	84	21	36	39	70	59	.230	.249	4.07	1.74	5.7	5.6	6.1
May	29.257	29.490	28.670	52.3	59.6	66.2	47.0	56.6	86	35	41	43	68	58	.274	.301	4.62	2.20	4.7	6.4	5.8
June	29.357	29.719	28.990	65.6	72.7	78.9	59.0	69.0	92	44	58	58	78	61	.494	.497	2.96	.89	4.7	4.5	5.0
July	29.309	29.500	28.940	70.0	75.4	83.5	64.5	74.0	94	54	64	64	82	70	.606	.615	4.04	1.29	5.2	5.3	5.7
August	29.346	29.540	28.980	67.8	75.4	83.7	62.8	73.2	93	54	61	60	79	61	.543	.531	1.70	.52	4.3	4.7	4.5
September	29.438	29.700	29.107	57.5	67.8	76.0	53.8	64.9	89	40	53	54	84	63	.412	.437	2.97	2.70	3.5	3.1	3.3
October	29.374	29.710	28.885	42.5	50.0	58.2	37.9	48.0	79	26	36	37	78	63	.217	.231	2.79	.90	5.5	5.9	6.4
November	29.507	30.000	28.700	34.5	44.5	50.8	31.9	41.4	70	15	32	34	90	68	.184	.202	.31	.15	5.0	4.7	5.7
December	29.563	30.000	28.700	18.8	24.4	30.7	13.9	22.2	54	−13	16	17	89	74	.106	.107	1.56	.88	6.0	5.4	6.6
Year	29.384	30.050	28.620	45.3	52.9	60.2	40.6	50.4	94	−13	39	41	80	65	.292	.304	35.32	2.70	5.4	5.1	5.7

CLEVELAND, OHIO.

[ϕ=41° 30′ N.; λ=81° 42′ W.]

January	29.173	29.960	28.410	24.9	28.7	34.6	20.0	27.3	51	3	20	22	79	73	0.119	0.123	2.55	0.94	8.0	6.8	6.6
February	29.177	29.880	28.490	19.3	22.5	29.6	13.0	21.3	59	− 8	12	15	72	71	.089	.096	1.22	.32	8.4	7.2	7.8
March	29.197	29.658	28.660	33.7	40.1	44.5	30.1	37.3	70	11	26	29	72	66	.144	.171	2.14	.55	7.5	7.1	6.6
April	29.167	29.570	28.420	41.7	46.7	52.7	38.1	45.4	80	26	34	35	73	69	.203	.229	3.24	.94	7.4	7.3	7.1
May	29.067	29.370	28.490	48.1	52.5	57.6	44.8	51.2	83	37	42	44	79	74	.271	.295	2.89	.53	6.4	7.1	6.7
June	29.191	29.556	28.860	61.5	67.0	72.7	56.9	64.8	88	45	55	56	82	69	.446	.461	3.59	.95	5.5	6.4	6.2
July	29.145	29.351	28.819	68.4	73.5	78.0	64.9	71.4	95	53	62	63	80	71	.564	.584	3.60	1.81	4.7	5.0	4.5
August	29.200	29.420	28.790	66.9	71.7	76.7	63.0	69.8	95	52	60	59	79	67	.520	.516	4.65	1.62	4.6	5.4	5.5
September	29.314	29.540	28.930	56.2	63.2	66.9	54.1	60.5	80	45	50	53	79	70	.368	.411	2.74	1.83	3.9	3.7	3.5
October	29.192	29.490	28.600	42.8	47.2	53.0	40.0	46.5	73	26	37	38	80	72	.224	.244	5.09	2.14	7.5	7.5	7.8
November	29.329	29.700	28.410	35.3	39.5	43.6	32.8	38.2	58	22	31	32	84	77	.177	.187	1.37	.67	5.7	5.9	6.1
December	29.384	29.800	28.380	20.5	23.8	28.0	16.9	22.4	49	− 5	15	18	77	77	.098	.105	1.41	.50	8.4	7.5	8.0
Year	29.211	29.960	28.380	43.3	48.0	53.2	39.6	46.3	95	− 8	37	39	78	71	.269	.285	34.49	2.14	6.5	6.4	6.4

Annual meteorological summary for the year ending December 31, 1917—Continued.

CHEYENNE, WYO.

[H=6,088 ft.; h_t=84 ft.; h_r=75 ft.; h_a=101 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	21.6	W.	78	W.	21	6	2	1	1	6	4	30	12	0	18	6	7	7	2	8	7	0	0	14	0	30	0	0
February	19.0	W.	61	W.	15	6	2	1	2	4	5	20	16	0	5	14	9	7	6	11	7	0	0	9	0	27	0	0
March	18.8	W.	64	W.	13	7	1	2	4	6	1	24	17	0	12	11	8	11	5	13	11	0	0	13	0	30	0	0
April	15.4	W.	47	NW.	5	7	6	5	5	5	3	17	12	0	4	14	12	12	9	10	9	0	2	5	0	21	2	0
May	11.6	S.	37	NW.	0	7	8	6	13	8	4	8	8	0	2	13	16	18	15	11	8	1	2	1	0	13	8	0
June	12.5	W.	65	W.	2	9	2	3	3	11	7	14	11	0	10	18	2	4	3	0	0	2	0	0	0	1	11	0
July	9.8	W.	43	SW.	2	2	9	3	5	3	3	21	15	1	10	20	1	10	9	0	0	1	0	0	0	0	13	0
August	9.9	W.	48	W.	2	6	4	2	5	8	5	18	14	0	10	14	7	10	7	0	0	1	1	0	0	0	14	0
September	10.6	W.	50	W.	2	5	2	1	4	12	6	17	13	0	9	18	3	10	2	0	0	0	2	0	0	0	8	0
October	15.4	W.	55	W.	7	9	7	0	1	2	9	18	16	0	13	10	8	4	3	7	4	0	0	1	0	15	0	0
November	12.1	W.	47	W.	3	4	0	4	1	7	5	18	21	0	10	15	5	5	2	8	3	0	0	0	0	22	0	0
December	18.3	W.	62	W.	20	3	3	0	3	5	9	32	7	0	3	13	15	7	5	11	7	0	0	6	0	27	0	0
Year	14.6	W.	78	W.	92	71	46	28	47	77	61	237	162	1	106	166	93	105	68	79	56	5	7	49	0	186	56	0

CHICAGO, ILL.

[H=823 ft.; h_t=140 ft.; h_r=133 ft.; h_a=310 ft.]

January	14.1	SW.	49	SW.	1	2	5	1	4	2	16	20	12	0	18	5	8	7	6	9	4	0	2	15	0	27	0	0
February	14.1	NW.	40	NW.	1	3	4	1	5	4	8	13	18	0	10	10	8	8	4	11	5	1	1	18	0	28	1	0
March	16.0	SW.	44	SW.	5	4	7	3	6	8	10	10	14	0	7	12	12	9	6	11	6	0	0	5	0	16	5	0
April	14.6	NE.	46	SW.	1	12	13	10	4	5	6	3	7	0	7	7	16	14	10	2	0	0	0	0	0	5	3	0
May	13.6	N.	38	NW.	0	22	11	4	2	3	4	6	10	0	12	7	12	11	8	1	0	1	0	0	0	0	3	0
June	12.9	SW.	50	W.	3	8	10	2	3	9	10	11	7	0	8	9	13	11	8	0	0	0	1	0	0	0	8	0
July	10.1	SW.	36	W.	0	10	9	5	4	2	15	7	10	0	15	8	8	7	7	6	0	0	0	0	0	4	10	0
August	9.6	NE.	31	S.	0	8	11	4	8	4	6	9	12	0	15	10	6	7	5	0	0	0	0	0	0	0	5	1
September	11.1	NE.	32	SW.	0	8	17	4	5	8	6	6	6	0	15	8	7	7	6	0	0	0	1	0	0	0	4	0
October	13.0	W.	41	W.	1	3	4	2	5	11	8	16	13	0	5	5	21	15	13	8	3	1	0	2	0	5	2	0
November	10.7	NW.	33	NW.	0	3	10	4	7	3	6	11	16	0	12	4	14	6	4	5	3	0	3	0	0	8	0	0
December	12.8	NW.	32	NW.	0	3	2	1	4	10	10	13	19	0	5	12	14	13	6	15	12	0	1	19	0	25	0	0
Year	12.7	NW.	50	W.	12	86	103	41	57	69	105	125	144	0	129	97	139	115	83	62	33	3	9	59	4	114	41	1

CINCINNATI, OHIO.

[H=628 ft.; h_t=11 ft.; h_r=3 ft.; h_a=51 ft.]

January	8.8	SW.	39	SW.	0	4	8	2	4	11	24	4	5	0	5	11	15	14	11	12	5	0	4	7	0	24	2	0
February	11.2	SW.	38	W.	0	5	8	2	3	4	20	5	9	0	2	10	16	8	6	11	5	0	1	8	0	24	3	0
March	12.5	SW.	39	SW.	0	10	5	2	6	12	15	9	3	0	12	4	15	14	12	7	4	1	0	2	0	13	6	0
April	9.8	NE.	38	SW.	0	7	12	7	4	11	7	2	10	0	9	8	13	8	8	2	2	1	0	0	0	7	3	0
May	9.0	SW.	37	SW.	0	8	7	0	5	3	16	12	11	0	10	10	11	13	11	0	0	0	1	0	0	0	7	0
June	6.4	SW.	32	SW.	0	6	4	5	5	14	16	3	5	2	10	10	10	10	9	0	0	0	0	1	0	11	0	0
July	5.3	SW.	23	NW.	0	3	8	3	1	16	20	5	6	0	9	12	10	16	11	0	0	0	1	0	3	0	17	0
August	5.2	S.	21	SW.	0	6	11	5	5	13	12	4	6	0	11	15	5	11	9	0	0	0	1	0	5	0	8	1
September	5.4	NE.	22	NE.	0	9	24	3	5	10	3	1	3	2	16	9	5	7	4	0	0	0	1	0	0	0	4	0
October	7.9	SW.	35	SW.	0	3	6	5	6	11	18	6	7	0	8	8	15	12	11	4	1	1	2	1	0	11	4	0
November	6.4	SW.	29	N.	0	8	11	4	2	6	17	6	5	1	10	7	13	5	3	3	2	0	6	1	0	12	0	0
December	8.1	NE.	32	W.	0	8	17	3	4	9	12	2	6	1	6	9	16	11	8	12	10	0	2	15	0	26	0	0
Year	8.0	SW.	39	SW.	0	77	121	41	50	120	180	59	76	6	108	113	144	129	103	51	29	3	19	34	9	117	65	1

CLEVELAND, OHIO.

[H=762 ft.; h_t=190 ft.; h_r=165 ft.; h_a=201 ft.]

January	14.9	SW.	48	W.	2	1	2	1	7	11	23	9	8	0	8	10	13	14	7	16	12	0	0	12	0	28	0	0
February	16.3	NW.	46	S.	5	5	6	1	2	7	14	10	11	0	3	7	18	14	10	16	12	0	0	17	0	28	1	0
March	18.7	W.	54	W.	8	3	10	2	6	12	9	15	5	0	6	10	15	16	11	10	5	0	0	6	0	18	3	0
April	13.9	NW.	48	NW.	1	2	11	0	11	8	7	10	11	0	3	11	16	13	10	4	0	0	0	0	0	7	4	0
May	14.3	NE.	48	W.	8	6	15	1	5	6	5	11	13	0	6	13	12	16	13	0	0	0	0	0	0	0	7	0
June	11.6	SW.	58	NW.	1	3	8	1	2	17	11	8	9	1	6	16	8	16	14	0	0	1	1	0	0	0	9	0
July	10.0	S.	36	N.	0	3	8	0	4	16	19	7	5	0	16	10	5	12	10	0	0	1	0	0	0	3	11	0
August	10.7	S.	36	NW.	0	3	14	4	5	12	12	4	7	1	8	16	7	9	8	0	0	0	1	0	2	0	6	0
September	12.1	NE.	42	NW.	1	6	12	5	10	12	8	3	4	0	18	7	5	9	6	0	0	0	1	0	0	0	3	0
October	15.1	S.	48	NE.	2	1	3	2	8	21	14	5	8	0	1	11	19	17	12	5	1	1	0	0	0	3	2	0
November	11.7	SW.	49	NE.	1	5	10	3	5	10	14	8	5	0	11	3	16	8	7	7	5	0	1	4	0	11	1	0
December	13.8	S.	66	W.	1	7	4	2	8	13	15	3	10	0	3	7	21	15	8	16	13	0	0	19	0	26	0	0
Year	13.6	SW.	66	W.	30	45	103	22	73	145	151	93	96	2	89	121	155	159	116	74	48	3	4	58	5	121	47	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

COLUMBIA, MO.

[ϕ=38° 57′ N.; λ=92° 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	29.205	29.970	28.520	25.9	.....	41.4	20.5	31.0	66	3	21	....	81	....	0.125	.....	1.05	0.35	4.0	.....	5.3
February	29.264	29.850	28.610	22.3	.....	39.4	17.2	28.3	68	−13	15	....	72	....	.096	.....	.25	.22	5.8	.....	4.8
March	29.178	29.700	28.670	36.6	.....	54.8	34.0	44.4	82	3	27	....	69	....	.162	.....	3.52	1.78	5.1	.....	5.0
April	29.119	29.370	28.680	44.8	.....	62.2	41.9	52.0	86	28	37	....	76	....	.233	.....	4.64	1.23	6.6	.....	6.6
May	29.105	29.470	28.540	52.4	.....	68.4	48.7	58.6	89	34	47	....	82	....	.337	.....	4.89	1.87	4.4	.....	5.6
June	29.146	29.470	28.770	64.7	.....	81.5	60.3	70.9	96	46	60	....	85	....	.532	.....	2.66	90	3.6	.....	3.7
July	29.122	29.270	28.890	70.4	.....	89.0	66.1	77.6	102	54	64	....	81	....	.608	.....	.93	.46	2.7	.....	3.5
August	29.182	29.380	28.960	65.2	.....	82.3	62.3	72.3	97	51	61	....	87	....	.547	.....	5.27	1.84	5.2	.....	5.1
September	29.261	29.610	28.980	58.7	.....	79.1	55.9	67.5	92	42	54	....	87	....	.439	.....	2.38	98	4.4	.....	3.7
October	29.184	29.640	28.570	40.8	.....	60.0	37.3	48.6	84	20	33	....	75	....	.203	.....	.72	.21	4.9	.....	4.9
November	29.351	29.690	28.820	37.7	.....	55.5	35.2	45.4	75	13	30	....	75	....	.170	.....	.10	.06	5.0	.....	5.2
December	29.393	30.010	28.840	19.5	.....	32.2	15.8	24.0	72	− 9	14	....	77	....	.105	.....	.44	.28	5.7	.....	6.8
Year	29.208	30.010	28.520	44.9	.....	62.2	41.3	51.7	102	−13	39	....	79	....	.296	.....	26.85	1.87	4.8	.....	5.0

COLUMBIA, S. C.

[ϕ=34° 0′ N.; λ=81° 3′ W.]

January	29.717	30.200	29.160	44.7	52.2	59.9	41.8	50.4	76	21	40	41	82	68	0.261	0.273	2.90	1.55	6.6	4.6	6.5
February	29.711	30.180	29.160	40.7	50.7	58.0	37.8	47.9	79	9	31	32	68	50	.215	.223	3.07	1.37	5.4	2.3	4.4
March	29.749	30.090	29.350	49.5	58.6	64.4	46.0	55.2	79	29	40	40	70	54	.265	.271	2.54	.62	5.2	3.3	5.2
April	29.595	29.983	29.050	58.9	69.2	76.4	55.1	65.8	91	39	47	45	67	45	.343	.312	2.82	1.20	3.5	2.9	3.1
May	29.557	29.800	29.200	62.0	70.3	77 0	56.9	67.0	92	44	49	47	63	48	.359	.340	2.72	2.06	4.3	3.7	4.3
June	29.676	29.970	29.390	72.4	79.1	87.3	67.9	77.6	97	59	64	63	75	59	.605	.584	4.95	1.68	3.7	5.0	4.0
July	29.652	29.850	29.310	74.8	78.9	89.4	71.6	80.5	96	66	70	68	85	72	.731	.685	4.41	1.11	5.2	5.9	5.6
August	29.649	29.900	29.310	72.8	79.7	87.6	70.4	79.0	96	65	68	65	86	63	.688	.627	1.52	1.02	5.3	4.1	5.0
September	29.701	29.930	29.360	65.6	72.0	79.4	63.6	71.5	92	50	60	60	83	67	.540	.533	3.07	1.98	6.8	4.9	6.0
October	29.702	29.960	29.300	52.3	62.7	72.2	49.5	60.8	84	34	46	46	78	55	.329	.331	.81	.49	2.9	1.1	2.1
November	29.779	30.260	29.070	41.8	54.9	62.0	41.0	51.5	75	26	36	37	82	52	.225	.227	.92	.52	2.9	2.6	3.1
December	29.847	30.240	29.080	31.5	39.2	45.9	29 9	37.9	72	8	26	28	81	64	.155	.169	1.24	.59	5.6	4.1	5.4
Year	29.695	30.260	29.050	55.6	64.0	71.6	52.6	62.1	97	8	48	48	77	58	.393	.381	30.97	2.06	4.8	3.7	4.6

COLUMBUS, OHIO.

[ϕ=39° 58′ N.; λ=83° 0′ W.]

January	29.153	29.870	28.440	26.4	32.0	38.1	21.6	29.8	62	− 2	22	26	84	76	0.135	0.153	3.74	1.12	7.0	4.6	5.2
February	29.156	29.820	28.440	21.6	29.0	35.3	16.4	25.8	66	− 8	16	21	78	70	.106	.131	1.09	.53	7.8	5.7	5.4
March	29.177	29.560	28.730	35.5	43.6	49.4	31.5	40.4	78	12	30	33	78	66	.168	.199	3.59	1.00	5.9	4.6	5.5
April	29.114	29.510	28.330	44.6	52.2	59.4	39.7	49.6	82	24	37	42	74	69	.234	.283	3.15	1.08	7.1	6.1	6.4
May	29.038	29.320	28.490	50.4	58.6	64.5	45.9	55.2	86	36	45	48	82	70	.311	.352	2.80	1.16	5.8	7.6	6.1
June	29.161	29.520	28.820	62.4	71.0	77.5	58.1	67.8	92	43	58	62	86	73	.490	.567	6.29	1.47	6.1	4.5	4.8
July	29.110	29.290	28.760	69.0	76.2	82.9	64.4	73.6	95	57	65	66	87	73	.619	.661	4.09	1.42	4.9	5.9	4.2
August	29.155	29.340	28.770	66.9	75.4	82.1	62.7	72.4	94	51	60	64	80	68	.537	.604	3.10	1.47	4.1	4.5	4.1
September	29.254	29.500	28.880	56.7	66.8	74.4	53.3	63.8	86	39	52	53	85	63	.400	.419	.55	.26	3.9	3.8	3.3
October	29.164	29.480	28.620	42.5	48.9	56.6	38.4	47.5	76	26	35	36	74	62	.209	.228	3.05	.86	6.5	6.3	7.1
November	29.291	29.780	28.460	34.0	43.6	49.1	31.5	40.3	69	17	29	31	82	63	.164	.180	.18	.12	5.2	4.3	4.8
December	29.342	29.780	28.340	19.2	23.7	28.7	13.9	21.3	49	− 9	14	16	79	68	.092	.097	1.31	.57	6.2	6.1	6.7
Year	29.176	29.870	28.330	44.1	51.8	58.2	39.8	49.0	95	− 9	39	42	81	68	.289	.323	32.94	1.47	5.9	5.3	5.3

CONCORD, N. H.

[ϕ=43° 12′ N.; λ=71° 32′ W.]

January	29.657	30.380	29.020	16.7	.....	30.0	12.7	21.4	48	− 6	10	....	76	....	0.074	.....	3.35	1.31	6.1	.....	6.4
February	29.573	30.140	28.580	13.6	.....	28.8	8.2	18.5	48	−13	8	....	77	....	.075	.....	1.50	.43	5.1	.....	5.0
March	29.719	30.230	29.100	27.7	.....	40.6	22.9	31.8	59	0	20	....	74	....	.115	.....	2.03	.78	5.2	.....	4.9
April	29.630	30.030	28.990	38.0	.....	45.8	33.0	40.9	70	22	29	....	70	....	.167	.....	1.63	.65	6.1	.....	6.1
May	29.491	29.990	29.110	46.6	.....	56.6	38.7	47.6	79	32	36	....	70	....	.219	.....	2.92	.71	6.8	.....	6.6
June	29.698	30.007	29.400	60.3	.....	73.8	53.8	63.8	88	45	54	....	81	....	.420	.....	3.30	2.03	7.5	.....	5.5
July	29.645	29.970	29.320	69.0	.....	82.7	60.1	71.4	98	51	63	....	82	....	.591	.....	1.27	.95	6.2	.....	4.2
August	29.709	30.050	29.320	66.9	.....	80.6	59.5	70.0	99	45	62	....	86	....	.568	.....	4.72	1.73	5.1	.....	4.9
September	29.810	30.280	29.180	50.2	.....	69.6	42.6	56.1	84	30	46	....	88	....	.325	.....	.57	.38	5.1	.....	3.0
October	29.739	30.180	28.920	43.1	.....	56.4	37.3	46.8	69	26	38	....	84	....	.239	.....	3.54	1.14	5.5	.....	5.0
November	29.720	30.260	29.190	28.4	.....	43.2	24.5	33.8	65	7	22	....	80	....	.125	.....	.85	.56	4.9	.....	3.4
December	29.845	30.560	28.830	12.9	.....	24.9	6.5	15.7	41	−17	8	....	79	....	.073	.....	2.32	1.11	6.8	.....	3.9
Year	29.686	30.560	28.580	39.4	.....	53.0	33.3	43.2	99	−17	33	....	79	....	.249	.....	33.00	2.03	5.8	.....	4.9

Annual meteorological summary for the year ending December 31, 1917—Continued.

COLUMBIA, MO.

[H=784 ft.; h_1=11 ft.; h_t=3 ft.; h_a=84 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	9.4	SW.	39	W.	0	1	3	2	6	7	5	3	4	0	11	12	8	8	5	5	2	2	3	8	0	26	3	0
February	10.9	SW.	45	NW.	1	5	4	1	4	4	2	2	5	1	11	9	8	2	1	3	1	0	0	7	0	28	1	0
March	12.6	S.	40	SW.	1	3	3	4	7	4	3	6	1	0	10	11	10	10	9	2	2	1	0	2	0	12	5	0
April	11.2	NE.	38	SW.	0	2	6	5	3	5	3	3	3	0	8	6	16	17	14	1	0	0	0	0	0	2	11	0
May	8.3	SW.	31	SW.	0	2	5	3	2	7	6	2	4	0	12	7	12	14	13	0	0	0	0	0	0	0	10	0
June	7.6	S.	34	NW.	0	0	2	1	7	9	3	1	5	2	15	11	4	10	9	0	0	2	0	0	3	0	10	0
July	6.3	S.	34	NW.	0	4	2	2	7	8	5	1	1	1	17	11	3	7	3	0	0	0	0	0	13	0	8	0
August	5.5	SE.	26	NW.	0	2	5	5	8	4	1	2	4	0	12	8	11	11	9	0	0	1	1	0	3	0	14	1
September	6.1	SE.	23	N.	0	1	8	1	10	4	3	0	3	0	17	8	5	6	5	0	0	0	0	0	2	0	3	0
October	9.3	NW.	32	N.	0	2	1	2	6	7	3	4	6	0	13	9	9	9	7	3	1	0	0	0	0	13	1	0
November	6.6	N.	38	NW.	0	5	6	0	9	2	4	2	1	1	13	3	14	4	1	1	0	0	1	0	0	8	0	0
December	9.1	SE.	30	NW.	0	7	1	7	7	4	0	2	3	0	5	9	17	4	2	12	4	0	2	15	0	24	0	0
Year	8.6	SE.	45	NW.	2	34	46	33	76	65	38	28	40	5	144	104	117	102	78	27	10	6	7	32	21	113	66	1

COLUMBIA, S. C.

[H=351 ft.; h_1=41 ft.; h_t=32 ft.; h_a=57 ft.]

January	7.8	SW.	34	SW.	0	3	11	3	0	8	21	13	3	0	10	4	17	13	8	0	0	0	1	0	0	6	0	0
February	10.3	W.	52	W.	1	0	5	3	2	9	12	22	3	0	11	10	7	8	7	2	0	0	0	2	0	11	2	0
March	8.6	NE.	34	SW.	0	4	11	10	7	9	9	9	3	0	12	6	13	11	10	0	0	0	0	0	0	1	3	0
April	7.5	SW.	46	SW.	1	2	9	6	6	6	15	10	6	0	18	9	3	8	5	0	0	0	0	0	2	0	3	0
May	7.6	W.	33	W.	0	7	5	3	2	5	11	18	11	0	14	10	7	7	5	0	0	0	0	0	1	0	6	0
June	6.5	SW.	36	SW.	0	4	5	7	9	11	14	6	4	0	16	11	3	11	10	0	0	0	1	0	0	12	0	11
July	6.4	SW.	45	SW.	1	0	6	5	7	18	21	4	1	0	9	10	12	14	14	0	0	0	0	0	0	18	0	13
August	5.3	NE.	23	SW.	0	8	15	11	8	8	5	6	1	0	12	9	10	7	3	0	0	0	0	0	0	7	0	7
September	7.1	NE.	24	NE.	0	7	32	5	3	4	5	0	4	0	10	7	13	11	6	0	0	0	0	0	4	0	3	0
October	6.9	NE.	31	SW.	0	9	19	5	3	6	11	5	4	0	23	7	1	6	3	0	0	0	0	0	0	0	1	0
November	5.6	NE.	24	SW.	0	13	15	2	3	1	4	8	14	0	20	4	6	5	4	0	0	0	1	2	0	0	4	1	0
December	7.8	NE.	39	SW.	0	15	24	2	0	0	7	8	6	0	12	7	12	11	6	3	3	0	1	6	0	21	0	0
Year	7.3	NE.	52	W.	3	72	157	62	50	85	135	109	60	0	167	94	104	112	81	5	3	2	4	8	44	43	50	0

COLUMBUS, OHIO.

[H=834 ft.; h_1=173 ft.; h_t=171 ft.; h_a=222 ft.]

January	12.5	SW.	50	W.	2	6	1	3	6	10	19	9	8	0	12	7	12	15	12	14	8	0	3	10	0	27	1	0
February	13.7	NW.	56	W.	4	7	2	3	7	2	11	11	13	0	7	10	11	7	4	11	5	0	0	10	0	26	2	0
March	15.3	SW.	53	W.	3	8	2	5	7	10	15	8	7	0	9	10	12	14	11	8	5	2	0	3	0	17	3	0
April	11.0	SW.	38	NW.	0	7	4	9	9	6	11	4	10	0	6	10	14	12	9	2	1	0	0	0	0	8	5	0
May	13.8	NW.	51	W.	5	7	3	2	7	2	11	10	20	0	6	12	13	11	8	0	0	0	0	0	0	0	7	0
June	10.3	SW.	48	W.	2	6	0	1	8	11	20	2	12	0	10	11	9	14	14	0	0	0	1	0	0	1	14	0
July	8.1	SW.	58	NW.	2	3	1	3	4	16	22	3	10	0	15	8	8	11	9	0	0	0	0	0	0	3	15	0
August	8.9	NW.	40	NW.	2	7	6	7	7	12	11	3	9	0	18	7	6	7	6	0	0	0	2	0	0	3	6	0
September	9.2	NE.	36	NW.	0	7	10	14	15	5	4	1	4	0	17	10	3	6	4	0	0	0	1	1	0	0	2	0
October	12.8	NW.	48	NW.	3	3	2	3	10	14	8	8	14	0	5	8	18	14	12	6	2	1	1	1	0	5	3	0
November	9.1	NW.	32	NW.	0	7	6	8	4	7	9	6	13	1	12	6	12	4	1	6	2	0	2	2	0	15	0	0
December	11.1	N.	50	NW.	1	12	5	6	10	11	5	3	10	0	6	10	15	11	10	12	10	0	0	14	0	26	0	0
Year	11.3	SW.	58	NW.	24	80	41	64	94	106	146	68	130	1	123	109	133	126	100	50	33	6	7	40	7	124	58	0

CONCORD, N. H.

[H=288 ft.; h_1=70 ft.; h_t=62 ft.; h_a=79 ft.]

January	5.5	NW.	34	W.	0	8	2	1	2	3	2	5	7	1	8	6	17	12	10	12	11	0	0	17	0	30	0	0
February	6.2	NW.	29	NW.	0	7	4	1	3	0	3	2	8	0	10	9	9	9	8	8	6	0	0	17	0	28	0	0
March	6.9	NW.	31	NW.	0	9	3	2	4	1	4	3	5	0	14	5	12	13	6	11	7	0	0	4	0	28	0	0
April	6.4	NW.	33	NW.	0	7	6	2	1	0	1	2	11	0	10	5	15	10	6	3	2	0	1	1	0	13	0	0
May	6.9	NW.	31	NW.	0	7	4	1	3	1	1	5	9	0	7	8	16	15	9	3	2	1	1	0	0	1	1	0
June	4.9	SE.	22	NW.	0	4	5	4	8	1	1	3	4	0	11	7	12	15	11	0	0	1	1	0	0	0	5	0
July	4.2	SW.	30	N.	0	9	6	3	0	3	7	2	1	0	12	16	3	7	5	0	0	0	0	0	5	0	8	0
August	4.0	SE.	25	N.	0	7	7	1	5	5	1	1	4	0	13	8	10	12	10	0	0	0	0	0	2	0	10	0
September	3.6	N.	20	N.	0	15	4	1	2	2	1	0	4	1	17	10	3	6	3	0	0	0	0	0	0	3	2	0
October	5.6	SE.	31	E.	0	5	4	5	7	1	3	4	2	0	14	4	13	16	11	0	0	0	1	0	0	5	0	0
November	6.2	NW.	28	NW.	0	7	3	2	1	2	1	3	11	0	19	5	6	3	3	7	2	0	0	4	0	26	0	0
December	5.5	NW.	30	NW.	0	9	2	3	3	0	2	3	9	0	16	7	8	6	5	10	6	0	0	20	0	29	0	0
Year	5.5	NW.	34	W.	0	94	50	26	39	19	27	33	75	2	151	90	124	124	87	54	36	2	4	63	7	163	26	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

CONCORDIA, KANS.

[ϕ=39° 35′ N.; λ=97° 41′ 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 4 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	28.560	29.270	27.720	22.9	31.3	39.5	18.2	28.8	59	−9	19	23	83	72	0.103	0.127	0.60	0.40	2.6	3.2	4.6
February	28.630	29.280	27.870	18.6	33.7	41.3	15.8	28.6	75	−15	15	21	84	64	.088	.114	.07	.07	4.5	5.8	5.4
March	28.510	29.096	27.878	30.6	47.7	55.1	28.2	41.6	89	7	23	24	74	44	.127	.134	1.49	.73	4.0	3.9	4.5
April	28.462	28.810	28.020	42.6	57.7	62.1	39.8	51.0	87	28	34	34	74	46	.209	.211	2.60	.87	7.1	5.6	6.6
May	28.472	28.920	27.960	50.4	64.2	67.6	47.5	57.6	92	32	43	43	77	50	.288	.287	3.11	1.02	6.1	6.3	6.4
June	28.486	29.040	28.040	64.3	80.2	85.1	60.1	72.6	104	48	54	52	72	41	.438	.406	3.17	1.93	3.9	3.7	3.7
July	28.472	28.720	28.200	71.2	89.2	94.3	67.9	81.1	106	56	59	56	67	34	.508	.452	.60	.32	3.8	3.2	3.6
August	28.563	28.860	28.310	63.6	78.4	84.6	60.9	72.8	102	48	58	58	84	52	.501	.492	2.63	.61	4.3	5.2	4.6
September	28.605	29.010	28.340	58.4	74.4	80.6	56.2	68.4	94	40	54	55	85	52	.426	.442	.56	.24	4.5	3.1	4.0
October	28.577	29.110	28.033	40.7	52.7	61.8	36.2	49.0	83	16	30	29	66	42	.172	.168	.30	.15	4.4	3.3	4.5
November	28.700	28.970	28.320	38.2	50.6	59.2	35.4	47.3	76	24	31	33	78	54	.178	.191	.07	.07	3.5	3.3	4.6
December	28.726	29.380	28.200	17.4	24.6	34.3	12.7	23.5	73	−9	16	18	90	80	.095	.110	.06	.02	6.0	4.5	5.8
Year	28.564	29.380	27.720	43.2	57.1	63.8	39.9	51.9	106	−15	35	37	78	53	.261	.261	15.26	1.93	4.6	4.3	4.9

CORPUS CHRISTI, TEX.

[ϕ=27° 49′ N.; λ=97° 25′ W.]

January	30.084	30.460	29.600	54.7	58.0	64.5	52.1	58.3	85	32	51	52	89	83	0.415	0.423	0.23	0.13	6.8	6.1	7.7
February	30.096	30.900	29.740	54.7	61.9	69.3	52.4	60.8	88	26	50	53	86	76	.410	.455	T.	T.	6.5	5.2	6.0
March	30.027	30.530	29.690	61.5	64.7	70.3	59.5	64.9	79	39	56	57	83	79	.486	.513	.14	.07	8.5	7.2	7.9
April	29.917	30.320	29.640	66.6	72.2	76.5	65.2	70.8	91	50	61	63	83	76	.564	.600	1.07	1.01	5.6	4.6	5.2
May	29.890	30.220	29.600	70.6	73.9	77.6	68.9	73.2	84	52	66	68	85	81	.699	.694	.48	.23	6.3	6.0	6.7
June	29.983	30.210	29.770	77.8	81.1	84.8	76.7	80.8	91	70	73	74	85	80	.805	.849	.26	.16	3.5	3.2	4.8
July	29.970	30.120	29.770	78.5	83.1	87.3	77.2	82.2	92	73	75	75	89	76	.865	.867	.95	.95	2.6	3.4	4.3
August	29.961	30.110	29.770	78.1	83.6	88.1	77.4	82.8	94	72	75	76	89	77	.861	.887	.41	.41	2.3	2.5	3.4
September	29.973	30.110	29.820	75.2	81.8	86.0	74.7	80.4	91	63	69	70	82	69	.730	.750	.82	.33	2.8	3.5	4.7
October	30.038	30.400	29.620	64.5	72.6	78.0	62.4	70.2	91	41	58	60	80	67	.520	.571	.44	.38	1.9	1.4	3.4
November	30.187	30.490	29.930	59.9	68.5	74.1	58.8	66.4	84	47	54	59	82	73	.441	.519	.58	.58	2.0	1.8	3.1
December	30.150	30.610	29.560	51.1	57.9	62.6	49.0	55.8	87	24	46	50	82	76	.354	.399	T.	T.	5.4	4.1	6.4
Year	30.023	30.900	29.560	66.1	71.6	76.6	64.5	70.6	94	24	61	63	85	76	.592	.627	5.38	1.01	4.5	4.1	5.3

DALLAS, TEX.

[ϕ=32° 46′ N.; λ=96° 47′ W.]

January	29.542	30.060	29.050	42.2	.....	58.0	38.1	48.0	84	20	35	....	76	....	0.231	.....	1.00	0.69	5.6	.....	5.9
February	29.568	30.220	29.110	40.9	.....	60.9	37.7	49.3	90	13	30	....	66	....	.190	.....	1.31	.64	4.4	.....	4.8
March	29.506	29.990	29.090	49.8	.....	68.6	47.1	57.8	85	27	40	....	71	....	.288	.....	3.40	1.32	5.1	.....	5.0
April	29.395	29.740	29.060	55.0	.....	74.3	52.7	63.5	96	41	47	....	75	....	.345	.....	5.24	2.36	4.9	.....	4.7
May	29.395	29.720	29.030	59.7	.....	76.8	57.3	67.0	92	44	53	....	79	....	.421	.....	3.25	1.38	5.6	.....	4.8
June	29.456	29.760	29.070	72.1	.....	91.8	70.6	81.2	101	58	62	....	72	....	.578	.....	.46	.30	4.1	.....	4.0
July	29.419	29.600	29.250	76.4	.....	94.5	74.9	84.7	104	68	67	....	73	....	.658	.....	2.35	1.31	4.6	.....	4.4
August	29.437	29.570	29.190	75.0	.....	94.2	74.0	84.1	101	60	66	....	74	....	.641	.....	2.67	1.68	3.9	.....	4.6
September	29.499	29.670	29.300	66.2	.....	86.2	65.6	75.9	96	49	62	....	86	....	.563	.....	1.90	.82	3.6	.....	4.1
October	29.428	30.030	28.940	51.8	.....	77.5	49.9	63.7	97	26	40	....	66	....	.291	.....	.11	.10	2.8	.....	2.4
November	29.669	29.970	29.320	46.4	.....	69.3	44.8	57.0	83	35	35	....	66	....	.211	.....	1.99	1.90	2.8	.....	2.9
December	29.658	30.110	29.030	35.6	.....	50.6	31.8	41.2	77	13	30	....	80	....	.200	.....	.04	.01	4.9	.....	4.8
Year	29.506	30.220	28.940	55.9	.....	75.2	53.7	64.4	104	13	47	....	74	....	.385	.....	23.72	2.36	4.4	.....	4.4

DAVENPORT, IOWA.

[ϕ=41° 30′ N.; λ=90° 38′ W.]

January	29.372	30.210	28.490	17.6	22.8	29.2	11.5	20.4	53	−9	14	17	83	77	0.090	0.101	0.97	0.59	4.1	4.5	5.0
February	29.439	30.020	28.720	12.8	21.4	28.4	7.8	18.1	52	−19	9	14	84	72	.072	.088	.22	.10	5.6	5.6	6.0
March	29.331	29.950	28.760	32.0	41.5	48.3	28.9	38.6	70	6	26	29	77	62	.147	.173	1.76	1.09	5.9	5.7	6.5
April	29.326	29.590	28.920	41.8	50.3	55.7	37.8	46.8	82	28	35	37	76	63	.214	.239	4.40	1.29	6.3	7.3	7.4
May	29.291	29.640	28.830	49.6	61.0	66.1	46.1	56.1	88	33	41	43	74	55	.272	.296	3.15	1.20	4.9	5.1	6.3
June	29.302	29.630	28.730	62.0	72.7	76.9	58.4	67.6	90	45	56	59	81	65	.458	.526	4.85	.95	5.2	6.1	6.3
July	29.280	29.460	29.000	69.4	80.2	85.7	65.8	75.8	98	52	63	63	81	57	.589	.586	2.72	1.71	2.4	3.2	3.9
August	29.355	29.540	29.070	64.0	76.5	81.6	60.8	71.2	92	50	57	57	78	52	.473	.469	.70	.21	4.8	4.8	5.5
September	29.452	29.900	29.120	56.0	66.1	73.3	54.1	63.7	87	42	52	54	87	67	.400	.437	6.37	1.77	5.9	4.6	5.1
October	29.348	29.770	28.658	39.4	46.1	52.1	35.7	43.9	72	21	33	34	79	64	.201	.208	4.00	2.02	7.8	6.7	7.0
November	29.536	29.960	28.840	36.1	44.4	50.3	34.1	42.2	72	18	32	36	87	72	.186	.218	.26	.20	5.6	4.7	6.0
December	29.391	30.230	29.020	15.5	19.8	24.9	11.4	18.2	50	−11	11	15	83	79	.090	.100	.68	.15	7.8	5.8	7.1
Year	29.385	30.230	28.490	41.4	50.2	56.0	37.7	46.9	98	−19	36	38	81	65	.266	.287	29.98	2.02	5.5	5.3	6.0

Annual meteorological summary for the year ending December 31, 1917—Continued.

CONCORDIA, KANS.

[H=1,392 ft.; h_1=50 ft.; h_r=42 ft.; h_a=58 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	8.2	NW.	38	NW.	0	5	4	12	5	5	13	11	7	0	12	11	8	4	4	5	2	0	1	8	0	30	0	0
February	9.3	NW.	37	NW.	0	15	6	2	8	5	4	8	8	0	6	17	5	1	1	1	1	0	1	6	0	27	0	0
March	11.6	NW.	42	NW.	2	8	9	8	5	6	9	5	12	0	15	9	7	4	4	3	1	0	0	1	0	19	4	0
April	12.1	NW.	45	NW.	1	8	11	4	10	6	2	4	14	1	5	15	10	12	11	2	1	0	0	0	0	4	4	0
May	8.3	SE.	32	S.	0	9	7	8	8	11	2	10	7	0	4	17	10	9	7	0	0	1	0	0	1	0	5	0
June	9.5	S.	50	N.	1	8	6	2	14	17	3	6	4	0	15	13	2	5	5	0	0	1	0	0	10	0	5	0
July	7.9	S.	27	SW.	0	7	8	14	7	17	2	3	4	0	14	17	0	8	3	0	0	0	0	0	21	0	10	0
August	6.3	S.	36	NW.	0	5	5	9	12	14	3	4	7	3	12	14	5	15	11	0	0	1	1	0	5	0	10	0
September	6.8	SE.	24	N.	0	7	6	11	12	12	1	4	5	2	12	14	4	6	5	0	0	0	2	0	5	0	3	0
October	9.4	NW.	36	NW.	0	6	3	5	7	9	5	7	19	1	12	12	7	3	3	3	2	0	0	1	0	15	0	0
November	7.2	S.	27	NW.	0	7	2	13	7	14	3	8	6	0	12	10	8	1	1	0	0	0	3	0	0	13	0	0
December	8.6	S.	44	NW.	1	10	7	5	8	14	5	3	8	2	9	11	11	4	0	6	4	0	0	15	0	28	0	0
Year	8.8	S.	50	N.	5	95	74	93	103	130	52	73	101	9	128	160	77	72	55	20	11	3	8	31	42	136	41	0

CORPUS CHRISTI, TEX.

[H=20 ft.; h_1=69 ft.; h_r=61 ft.; h_a=77 ft.]

January	11.5	S.	37	NE.	0	19	7	2	10	21	2	0	0	1	2	11	18	5	2	0	0	0	7	0	0	2	1	0
February	12.8	SE.	46	SE.	3	10	5	2	20	9	2	1	4	3	5	13	10	0	0	0	0	0	5	0	0	2	0	0
March	17.0	SE.	48	S.	5	5	12	3	32	5	0	0	4	1	1	8	22	4	2	0	0	0	0	0	0	0	0	0
April	16.8	SE.	48	SE.	3	4	7	3	34	7	1	1	3	0	9	9	12	4	2	0	0	0	0	0	1	0	2	0
May	16.2	SE.	48	SE.	4	5	8	9	28	11	0	0	0	1	6	10	15	6	4	0	0	0	0	0	0	0	3	0
June	17.6	SE.	42	SE.	1	1	2	0	34	18	2	0	1	2	5	24	1	3	2	0	0	0	0	0	1	0	0	0
July	15.3	SE.	46	SE.	1	1	0	1	26	18	8	1	1	6	14	13	4	1	1	0	0	0	0	0	2	0	1	0
August	14.2	SE.	33	SE.	0	0	0	1	36	12	6	1	3	3	18	12	1	1	1	0	0	0	0	0	5	0	1	0
September	10.6	SE.	27	SE.	0	10	3	10	23	3	1	1	7	2	11	12	7	6	5	0	0	0	0	0	2	0	2	0
October	10.7	N.	37	N.	0	15	2	4	19	10	4	2	3	3	18	10	3	3	3	0	0	0	1	0	1	0	0	0
November	8.2	SE.	34	SE.	0	4	10	7	16	5	2	2	11	3	18	9	3	1	1	0	0	0	0	0	0	0	0	0
December	10.7	N.	38	N.	0	26	5	6	12	5	2	0	4	2	6	11	14	0	0	0	0	0	4	0	0	2	0	0
Year	13.5	SE.	48	SE.	17	100	61	48	290	124	30	9	41	27	113	142	110	34	23	0	0	0	17	0	12	6	10	0

DALLAS, TEX.

[H=512 ft.; h_1=109 ft.; h_r=92 ft.; h_a=117 ft.]

January	10.3	S.	38	S.	0	4	1	1	4	10	3	5	3	0	9	8	14	7	5	2	1	0	0	3	0	9	1	0
February	10.2	S.	39	S.	0	4	1	3	3	5	3	6	3	0	13	5	10	7	6	0	0	1	0	1	1	7	2	0
March	12.7	S.	49	S.	2	3	1	0	7	12	0	4	4	0	12	8	11	8	7	2	2	1	0	0	0	3	5	0
April	12.8	S.	42	NW.	1	2	0	2	6	12	0	4	4	0	10	12	8	8	7	0	0	1	0	0	0	0	10	0
May	11.0	S.	39	SW.	0	4	2	3	6	9	1	1	5	0	13	12	6	9	8	0	0	1	0	0	3	0	5	0
June	10.6	S.	62	S.	1	2	2	0	4	18	1	0	2	1	15	11	4	3	2	0	0	0	0	0	19	0	7	0
July	9.2	S.	33	S.	0	1	1	3	7	17	0	0	0	2	14	12	5	8	5	0	0	0	0	0	25	0	7	0
August	7.5	S.	33	NW.	0	1	3	5	7	10	0	2	3	0	11	15	5	5	4	0	0	0	1	0	25	0	6	0
September	7.1	SE.	25	N.	0	4	2	7	9	3	0	0	4	1	12	15	3	6	5	0	0	0	0	0	6	0	7	0
October	9.9	S.	42	S.	2	4	0	2	9	7	1	3	4	1	21	8	2	2	1	0	0	0	0	0	4	1	1	0
November	7.9	SE.	35	NW.	0	0	3	5	8	1	1	5	7	0	21	3	6	4	3	0	0	0	0	0	0	0	3	0
December	8.7	N.	44	NW.	1	6	1	6	4	4	0	0	10	0	12	8	11	4	0	1	0	0	3	3	0	15	0	0
Year	9.8	S.	62	S.	7	35	17	37	74	108	10	30	49	5	163	117	85	71	53	5	3	4	4	7	83	35	53	0

DAVENPORT, IOWA.

[H=606 ft.; h_1=71 ft.; h_r=64 ft.; h_a=79 ft.]

January	8.5	NW.	37	W.	0	4	6	7	2	2	13	14	14	0	10	13	8	6	4	9	4	0	2	16	0	30	0	0
February	9.4	NW.	36	NW.	0	4	0	7	3	2	6	14	20	0	5	14	9	5	2	11	4	0	2	15	0	28	0	0
March	11.1	NW.	35	SW.	0	1	5	7	8	7	6	15	15	0	6	11	14	6	5	8	2	1	0	5	0	20	3	0
April	9.8	E.	32	E.	0	2	11	17	3	7	7	5	8	0	6	7	17	14	12	5	3	0	0	0	0	8	6	0
May	8.5	NE.	31	E.	0	6	16	12	5	0	7	6	10	0	7	9	15	11	7	2	1	0	0	0	0	6	5	0
June	8.2	SW.	39	SW.	0	2	4	7	3	9	14	8	13	0	6	11	13	15	13	0	0	2	0	0	0	0	11	0
July	6.2	SW.	27	S.	0	4	8	12	4	7	13	6	8	0	17	10	4	10	8	0	0	1	0	1	0	7	13	0
August	5.9	NW.	27	SW.	0	5	9	8	3	7	8	10	12	0	10	11	10	9	4	0	0	0	0	0	2	0	4	1
September	6.0	E.	31	E.	0	5	11	19	1	4	7	8	5	0	11	6	13	11	10	0	0	0	0	0	0	0	8	0
October	8.0	NW.	26	E.	0	2	4	6	3	7	11	8	20	0	5	10	16	14	11	10	3	1	2	1	0	12	2	0
November	5.8	W.	24	W.	0	4	9	10	3	3	8	14	9	0	8	10	12	5	1	3	1	0	5	1	0	19	0	0
December	7.8	NW.	26	W.	0	10	5	6	7	7	6	9	12	0	6	8	17	8	7	12	8	0	0	17	0	27	0	0
Year	7.9	NW.	39	SW.	0	50	88	118	43	62	106	117	140	0	97	120	148	114	84	80	26	4	12	55	9	135	52	1

Annual meteorological summary for the year ending December 31, 1917—Continued.

DAYTON, OHIO.

[ϕ=39° 46′ N.; λ=84° 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	29.049	29.800	28.388	26.9	31.9	38.3	21.5	29.9	64	−1	24	27	86	81	0.140	0.160	4.04	1.80	6.2	4.4	5.8
February	29.062	29.740	28.410	22.4	28.3	35.0	17.1	26.0	66	−9	19	22	84	76	.115	.132	1.09	.54	7.2	4.7	6.7
March	29.075	29.490	28.580	35.8	43.4	50.3	32.3	41.3	77	13	30	35	80	72	.175	.218	3.95	1.27	6.2	5.2	6.2
April	29.008	29.400	28.260	44.4	52.2	59.2	40.2	49.7	82	25	39	43	82	72	.225	.293	3.68	1.00	6.7	5.3	6.6
May	28.946	29.202	28.350	50.9	58.0	63.9	46.2	55.0	84	35	44	50	79	77	.307	.383	3.81	1.19	5.0	7.3	6.2
June	29.059	29.417	28.680	63.4	71.2	77.9	58.4	68.2	92	43	58	61	82	71	.486	.539	4.20	1.22	5.6	5.1	5.6
July	29.012	29.190	28.640	68.7	75.7	82.2	64.1	73.2	93	53	64	66	85	74	.601	.661	3.34	1.20	4.5	5.2	5.8
August	29.050	29.240	28.670	66.8	75.2	82.4	62.8	72.6	94	54	60	62	78	66	.521	.575	3.74	3.08	3.9	5.3	4.8
September	29.151	29.405	28.800	56.8	66.9	74.3	53.2	63.8	86	40	51	56	80	68	.385	.463	.85	.29	3.0	2.8	3.8
October	29.063	29.390	28.550	42.8	48.8	56.8	38.4	47.4	78	26	36	40	76	71	.215	.259	3.51	1.23	6.0	6.6	6.2
November	29.194	29.671	28.360	35.2	43.9	50.6	32.3	41.4	69	15	32	36	86	74	.185	.215	.34	.25	5.2	4.1	5.5
December	29.240	29.685	28.350	19.3	24.0	29.7	14.0	21.8	50	−8	15	18	85	78	.107	.111	1.15	.57	7.1	5.7	6.8
Year	29.076	29.800	28.260	44.4	51.6	58.4	40.0	49.2	94	−9	39	43	82	73	.288	.334	33.70	3.08	5.6	5.1	5.8

DEL RIO, TEX.

[ϕ=29° 20′ N.; λ=100° 53′ W.]

January	29.077	29.460	28.664	45.7	.....	63.8	43.5	53.6	84	26	37	....	72	....	0.236	.....	0.09	0.05	4.8	.....	5.6
February	29.105	29.750	28.700	45.0	.....	69.6	42.2	55.9	91	18	31	....	59	....	.139	.....	.11	.06	3.5	.....	3.3
March	29.038	29.630	28.586	53.2	.....	73.9	50.6	62.2	92	27	38	....	62	....	.285	.....	.05	.04	4.9	.....	3.8
April	28.918	29.290	28.500	59.8	.....	82.5	58.8	70.6	95	43	44	....	59	....	.331	.....	2.36	1.37	3.6	.....	2.4
May	28.897	29.220	28.460	65.0	.....	85.4	64.3	74.8	99	47	53	....	63	....	.427	.....	1.44	1.10	4.7	.....	3.3
June	28.957	29.220	28.570	73.8	.....	94.0	72.8	83.4	101	65	63	....	71	....	.597	.....	1.29	1.13	2.4	.....	2.3
July	28.941	29.100	28.650	76.3	.....	95.8	76.2	85.0	103	70	66	....	72	....	.659	.....	.37	.32	1.8	.....	2.2
August	28.956	29.110	28.700	76.7	.....	96.1	75.9	86.4	106	66	65	....	68	....	.623	.....	.92	.58	1.7	.....	2.3
September	29.005	29.150	28.800	70.0	.....	87.9	69.7	78.8	95	55	62	....	77	....	.540	.....	.99	.59	3.9	.....	4.0
October	29.066	29.553	28.640	56.0	.....	80.7	54.9	67.8	95	32	39	....	55	....	.283	.....	0	0	1.6	.....	1.2
November	29.194	29.499	28.940	52.8	.....	73.9	51.6	62.8	83	36	40	....	64	....	.274	.....	0	0	3.3	.....	3.6
December	29.157	29.590	28.640	41.2	.....	62.1	38.9	50.5	83	22	32	....	71	....	.294	.....	.03	.02	3.5	.....	2.3
Year	29.026	29.750	28.460	59.6	.....	80.5	58.3	69.4	106	18	48	....	66	....	.390	.....	7.65	1.37	3.3	.....	3.0

DENVER, COLO.

[ϕ=39° 45′ N.; λ=105° 00′ W.]

January	24.629	25.040	24.100	22.3	32.1	40.1	16.6	28.4	59	−10	10	13	60	50	0.068	0.079	0.20	0.11	3.9	4.3	4.5
February	24.668	25.020	24.100	29.6	38.2	45.1	24.2	34.6	65	0	17	20	62	51	.095	.105	.46	.15	3.8	6.4	5.5
March	24.634	25.040	24.230	26.3	38.5	44.2	22.2	33.2	72	4	15	20	65	52	.087	.108	.95	.26	3.3	4.5	4.5
April	24.635	24.950	24.080	35.0	50.4	55.3	32.6	44.0	76	17	27	28	74	47	.149	.153	.75	.22	5.3	6.7	6.1
May	24.654	24.990	24.258	41.6	53.3	57.9	39.5	48.7	80	23	36	36	80	58	.211	.217	3.80	1.14	6.8	7.8	7.2
June	24.773	25.250	24.296	54.3	76.5	79.4	51.8	65.6	93	33	41	41	63	30	.202	.264	.41	.51	1.8	3.6	2.8
July	24.809	25.120	24.568	62.9	83.1	86.2	61.1	73.6	94	52	49	51	62	38	.352	.379	.31	.11	2.9	0.7	4.5
August	24.844	25.050	25.070	57.7	75.9	80.7	56.1	68.4	93	46	46	46	66	38	.313	.322	.05	.02	3.9	6.0	4.6
September	24.830	25.071	24.483	52.7	72.2	78.3	51.2	64.8	92	41	42	42	70	37	.275	.280	.60	.33	3.1	5.2	3.5
October	24.785	25.220	24.290	39.9	54.9	63.9	35.4	49.6	81	−2	28	27	65	38	.158	.149	1.41	.58	3.5	4.2	4.3
November	24.870	25.190	24.580	36.0	50.4	58.0	33.1	45.6	72	21	24	28	61	44	.126	.151	.03	.03	3.1	3.5	4.1
December	24.718	25.045	24.390	29.6	40.3	52.8	23.1	38.0	67	0	16	21	61	50	.094	.114	.27	.22	4.8	5.4	5.7
Year	24.737	25.250	24.080	40.7	55.2	61.8	37.2	49.5	95	−10	29	31	66	44	.182	.198	9.24	1.14	3.8	5.4	4.8

DES MOINES, IOWA.

[ϕ=41° 35′ N.; λ=93° 37′ W.]

January	29.112	29.960	28.200	16.9	22.9	30.0	10.1	20.0	50	−10	12	15	79	71	0.081	0.095	0.53	0.47	3.8	3.6	4.8
February	29.192	29.760	28.428	12.7	23.2	30.1	8.3	19.2	62	−22	8	14	78	66	.066	.089	.52	.25	6.4	5.4	5.6
March	29.062	29.700	28.500	30.6	42.3	47.8	27.2	37.5	80	1	25	28	79	57	.141	.166	2.30	1.40	4.5	6.8	5.7
April	29.053	29.350	28.620	41.3	51.3	55.2	38.5	46.8	83	25	34	38	76	63	.206	.242	5.52	1.66	7.3	7.6	7.4
May	29.025	29.430	28.559	50.3	62.8	68.0	46.6	57.3	89	34	42	42	74	51	.279	.288	3.94	1.20	5.5	5.3	5.6
June	29.028	29.380	28.360	62.2	74.2	77.5	58.3	67.9	95	47	54	58	77	59	.437	.505	3.18	1.90	5.4	4.4	5.5
July	29.014	29.168	28.750	70.0	82.9	87.1	66.1	76.6	101	52	62	62	76	50	.560	.560	1.58	.70	2.5	2.6	3.3
August	29.097	29.270	28.860	68.2	77.4	82.0	59.8	70.9	96	50	56	55	79	47	.465	.442	1.82	.83	3.8	3.6	4.3
September	29.171	29.610	28.890	57.2	67.5	73.2	51.8	64.0	90	41	52	54	84	65	.403	.442	1.92	1.13	5.0	4.9	5.2
October	29.084	29.539	28.550	38.6	48.5	55.1	34.3	44.7	79	16	29	30	68	51	.186	.177	.92	.57	5.6	6.9	6.3
November	29.256	29.550	28.720	36.4	46.5	52.2	33.7	43.0	71	16	31	34	79	63	.173	.209	.21	.14	5.1	5.1	5.5
December	29.308	29.990	28.740	14.1	18.8	24.7	8.7	16.7	54	−17	10	14	81	79	.084	.095	.88	.19	5.6	7.1	6.8
Year	29.117	29.990	28.200	41.1	51.5	56.9	37.2	47.0	101	−22	35	37	78	60	.255	.275	28.37	1.90	5.0	5.3	5.5

Annual meteorological summary for the year ending December 31, 1917—Continued.

DAYTON, OHIO.

[H = 899 ft.; h_s = 181 ft.; h_r = 176 ft.; h_a = 216 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	11.3	SW.	40	W.	1	2	6	3	4	3	27	8	9	0	7	9	15	14	10	12	8	0	4	11	0	24	2	0
February	13.5	SW.	48	NW.	1	9	8	1	4	2	11	13	8	0	4	11	13	7	4	9	4	0	0	10	0	26	2	0
March	16.4	SW.	43	NW.	6	4	9	1	5	6	16	10	10	1	9	8	14	14	10	8	4	0	0	3	0	15	4	0
April	12.0	SW.	48	SW.	3	7	13	9	2	1	14	4	9	1	6	10	14	12	10	1	1	1	0	0	0	7	4	0
May	12.6	W.	46	SW.	4	14	6	3	3	2	10	12	12	0	8	11	12	15	9	1	0	1	0	0	0	0	5	0
June	9.8	SW.	43	SW.	1	8	6	3	5	9	20	4	5	0	6	17	7	12	10	0	0	1	0	0	1	0	12	0
July	7.8	SW.	37	NE.	0	8	4	4	3	5	25	6	7	0	8	12	11	10	9	0	0	0	0	0	3	0	12	0
August	7.6	SW.	45	NE.	1	13	6	4	7	2	17	5	3	5	10	16	5	10	6	0	0	0	0	0	2	0	6	0
September	7.5	NE.	28	NW.	0	6	21	10	5	3	9	2	4	0	19	4	7	6	5	0	0	0	1	0	0	0	3	0
October	11.6	SW.	41	SW.	1	7	5	4	6	9	13	10	8	0	8	9	14	14	11	5	2	0	1	1	0	7	4	0
November	8.0	SW.	28	N.	0	12	8	5	3	1	17	9	4	1	12	7	11	4	3	5	1	0	2	2	0	13	0	0
December	9.8	SW.	39	NW.	0	13	11	5	8	4	13	5	3	0	6	9	16	11	10	13	11	0	0	16	0	26	0	0
Year	10.7	SW.	48	SW.	18	103	103	52	55	47	192	88	82	18	103	123	139	129	97	54	31	3	8	43	6	118	54	0

DEL RIO, TEX.

[H = 944 ft.; h_s = 64 ft.; h_r = 56 ft.; h_a = 71 ft.]

January	7.9	E.	32	NW.	0	0	2	8	0	2	4	4	11	0	8	14	9	3	1	0	0	0	3	0	0	4	0	0
February	8.8	E.	37	NW.	0	4	2	6	1	0	1	8	6	0	18	5	5	2	2	0	0	1	0	0	2	5	0	0
March	11.0	E.	37	NW.	0	3	3	14	2	0	2	0	7	0	14	12	5	2	1	0	0	0	0	0	2	2	0	0
April	13.0	E.	48	E.	3	0	2	17	0	0	0	3	8	0	19	11	0	4	4	0	0	2	0	0	2	0	5	0
May	12.0	E.	38	NW.	0	3	5	17	1	0	0	1	4	0	19	7	5	5	3	0	0	0	0	0	13	0	1	0
June	11.4	E.	40	E.	1	2	0	27	0	0	0	1	0	0	20	8	2	3	3	0	0	0	0	0	26	0	1	0
July	11.6	E.	33	E.	0	0	4	26	0	1	0	0	0	0	23	7	1	3	2	0	0	0	0	0	29	0	0	0
August	10.0	E.	42	N.	1	0	1	28	0	1	0	0	1	0	21	10	0	5	2	0	0	0	0	0	29	0	4	0
September	8.0	E.	36	NE.	0	1	9	16	0	0	0	1	3	0	13	13	4	8	4	0	0	0	0	0	13	0	0	0
October	8.8	E.	48	NW.	1	0	4	18	1	0	0	3	5	0	27	4	0	0	0	0	0	0	0	0	7	0	0	0
November	8.9	E.	35	NW.	0	0	4	16	1	0	0	4	5	0	15	5	10	0	0	0	0	0	0	0	0	0	0	0
December	7.5	E.	47	NW.	1	1	2	9	1	0	4	6	8	0	14	10	7	2	0	0	0	0	2	0	0	9	0	0
Year	9.9	E.	48	E.	7	14	38	202	7	4	11	30	59	0	211	106	48	37	22	0	0	3	5	0	123	20	11	0

DENVER, COLO.

[H = 5,291 ft.; h_s = 106 ft.; h_r = 98 ft.; h_a = 113 ft.]

January	7.7	SE.	43	SW.	1	7	3	5	12	14	5	10	5	1	13	13	5	6	2	7	6	0	0	8	0	29	0	0
February	8.3	SE.	35	W.	0	4	5	4	9	4	9	10	11	0	5	16	7	7	5	8	7	0	0	4	0	24	0	0
March	8.5	NW.	38	W.	0	6	6	6	4	8	5	10	16	1	15	7	9	10	9	14	10	0	1	9	0	26	0	0
April	8.5	SE.	39	N.	0	9	8	2	11	12	4	5	9	0	7	10	13	8	7	9	7	0	0	1	0	13	1	0
May	7.9	NW.	35	SE.	0	17	7	0	8	13	2	6	9	0	6	7	18	15	12	3	2	4	0	0	0	4	7	0
June	7.5	SE.	47	N.	2	9	7	3	9	19	5	1	7	0	19	8	3	2	2	1	1	0	0	0	4	0	2	0
July	7.3	S.	36	NW.	0	7	3	3	7	21	6	5	8	2	10	18	3	5	3	0	0	0	0	0	8	0	13	0
August	7.9	S.	36	W.	0	9	2	1	8	20	5	3	13	1	12	12	7	4	0	0	0	0	0	0	2	0	10	0
September	6.4	SE.	36	NW.	0	9	3	5	8	14	4	6	8	3	15	12	3	6	3	0	0	0	0	0	1	0	7	0
October	7.8	S.	45	NW.	1	5	4	8	12	10	3	8	11	1	13	11	7	6	5	7	5	1	1	0	0	11	0	0
November	6.8	S.	38	NW.	0	8	7	3	15	12	5	2	8	0	13	10	7	2	0	3	0	0	1	0	0	11	0	0
December	7.9	S.	34	N.	0	11	7	3	10	11	11	6	3	0	5	21	5	2	2	6	2	0	0	2	0	20	0	0
Year	7.6	S.	47	N.	4	101	62	43	113	158	64	72	108	9	133	145	87	73	50	58	40	5	3	24	15	138	40	0

DES MOINES, IOWA.

[H = 861 ft.; h_s = 84 ft.; h_r = 76 ft.; h_a = 97 ft.]

January	8.4	NW.	35	SW.	0	4	5	8	3	3	14	10	15	0	13	7	11	6	2	10	6	0	1	18	0	30	0	0
February	9.4	NW.	39	NW.	0	12	4	3	6	5	1	10	15	0	10	7	11	5	3	7	5	0	0	14	0	28	0	0
March	9.9	NW.	40	SW.	1	14	1	5	7	7	8	6	14	0	9	10	12	8	6	10	5	0	0	3	0	18	5	0
April	9.2	N.	35	S.	0	13	8	7	8	9	4	3	8	0	5	6	19	13	10	5	2	0	0	0	0	6	7	0
May	7.7	N.	28	SW.	0	16	8	9	7	5	6	6	5	0	12	4	15	9	9	1	1	1	0	0	0	0	5	0
June	8.2	N.	36	SW.	0	12	6	5	7	8	9	7	6	0	8	10	12	15	12	0	0	2	0	0	2	0	14	0
July	6.7	N.	35	SW.	0	13	3	5	12	5	12	3	9	0	17	11	3	8	7	0	0	0	0	0	8	0	8	0
August	5.7	NW.	35	SW.	0	12	5	6	4	7	11	5	12	0	15	11	5	11	9	0	0	0	1	0	2	0	10	0
September	6.1	SE.	27	S.	0	11	7	6	12	10	7	3	3	1	12	6	12	11	9	0	0	1	2	0	1	0	6	0
October	8.6	NW.	29	SW.	0	7	4	3	3	6	13	3	22	1	5	12	14	5	4	5	2	0	0	1	0	14	1	0
November	6.0	SW.	37	NW.	0	13	5	5	9	5	14	6	2	1	11	6	13	4	2	3	1	0	4	0	0	14	1	0
December	8.2	N.	28	NW.	0	16	2	3	8	10	9	4	10	0	7	6	18	9	8	9	9	0	1	17	0	25	0	0
Year	7.8	N.	40	SW.	1	143	58	65	96	80	108	66	121	3	124	98	145	104	81	41	31	4	9	53	13	135	57	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

DETROIT, MICH.

[ϕ=42° 20′ N.; λ=83° 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	29.185	30.020	28.450	20.6	25.1	30.8	17.1	24.0	43	— 1	17	20	85	78	0.101	0.111	2.31	0.77	6.5	6.1	6.2
February	29.192	29.880	28.500	16.4	19.8	27.2	11.8	19.5	50	—12	12	15	81	79	.080	.089	.91	.20	6.3	4.9	5.7
March	29.202	29.700	28.600	31.3	37.8	44.2	28.3	36.2	68	11	25	28	77	67	.141	.161	2.61	.60	6.7	5.7	6.0
April	29.199	29.590	28.580	39.6	44.5	51.2	36.0	43.6	76	25	34	37	80	74	.204	.232	4.61	1.47	6.5	5.6	6.7
May	29.107	29.389	28.500	47.7	52.8	59.4	43.3	51.4	83	33	39	40	73	65	.246	.260	3.32	.70	6.2	5.7	7.0
June	29.209	29.559	28.870	60.2	66.3	72.5	55.6	64.0	87	45	53	55	78	68	.410	.441	4.78	.86	6.0	5.0	6.0
July	29.164	29.390	28.850	68.1	74.3	80.0	64.4	72.2	95	53	61	62	80	66	.552	.565	2.21	1.08	3.9	3.7	5.2
August	29.225	29.470	28.780	65.5	70.5	78.1	61.6	69.8	94	50	58	58	76	65	.483	.483	2.56	1.03	4.7	4.4	5.4
September	29.349	29.610	28.920	55.9	61.5	69.8	52.5	61.2	80	39	50	51	80	69	.367	.377	1.84	1.10	3.4	2.4	3.6
October	29.204	29.522	28.570	41.8	45.5	51.4	38.4	44.9	67	24	37	37	82	75	.225	.232	3.62	.94	7.1	6.1	7.7
November	29.357	29.880	28.370	34.8	39.5	45.2	31.7	38.4	65	14	31	34	85	80	.175	.201	.40	.24	5.6	4.0	5.2
December	29.403	29.890	28.500	19.1	22.6	28.0	15.7	21.8	45	— 4	16	17	87	78	.099	.104	.88	.51	6.9	4.5	6.5
Year	29.233	30.020	28.370	41.8	46.7	53.2	38.0	45.6	95	—12	36	38	80	72	.257	.271	30.05	1.47	5.8	4.8	5.9

DEVILS LAKE, N. DAK.

[ϕ=48° 7′ N.; λ=98° 52′ W.]

January	28.359	29.113	27.770	—5.4	—2.0	7.3	—13.2	—3.0	39	—40	— 8	—4	90	88	0.033	0.038	0.55	0.21	5.9	4.0	6.8
February	28.460	29.032	27.190	—7.7	—0.5	5.5	—13.0	—3.8	40	—40	—10	—3	90	86	.032	.038	.68	.15	5.4	5.1	6.5
March	28.364	29.090	27.680	16.5	25.0	30.2	13.4	21.8	59	—21	14	20	87	82	.085	.112	.30	.18	5.9	5.8	5.7
April	28.471	28.800	28.037	29.0	40.1	45.4	26.8	36.1	56	17	24	27	82	59	.133	.140	1.40	.75	6.5	6.5	6.9
May	28.459	28.780	27.940	43.0	60.8	65.8	36.2	51.0	91	27	30	27	62	28	.172	.148	T.	T.	2.5	3.4	3.0
June	28.328	28.770	27.830	53.1	67.9	72.1	46.2	59.2	94	31	44	42	73	42	.301	.277	1.69	.53	4.9	4.0	5.4
July	28.323	28.640	27.890	62.0	76.7	83.9	56.1	70.0	106	37	55	55	78	48	.438	.444	1.60	.30	4.2	5.2	4.8
August	28.390	28.670	28.050	54.6	72.2	78.7	50.1	64.4	96	36	48	45	80	39	.344	.306	1.12	.84	3.5	3.5	4.0
September	28.473	28.990	28.070	46.2	60.4	68.5	43.3	55.9	89	24	42	44	85	56	.280	.299	.83	.30	6.3	4.6	5.8
October	28.389	29.070	27.840	27.3	35.1	41.4	23.4	32.4	73	19	23	26	83	74	.124	.148	1.32	.68	6.6	6.8	7.3
November	28.538	28.930	28.060	29.1	36.4	45.1	26.2	35.6	62	— 2	27	31	90	82	.146	.179	.32	.32	3.7	4.5	5.2
December	28.577	29.340	27.940	—5.6	—1.3	6.1	—13.2	—3.6	42	—34	— 8	—4	88	88	.037	.041	.66	.15	4.7	5.6	6.5
Year	28.428	29.340	27.190	28.5	39.2	45.8	23.5	34.7	106	—40	23	26	82	64	.177	.181	10.47	0.84	5.0	4.9	5.7

DODGE CITY, KANS.

[ϕ=37° 45′ N.; λ=100° 00′ W.]

January	27.386	28.000	26.730	21.7	33.7	44.5	18.1	31.3	68	0	16	23	76	63	0.089	0.126	0.22	0.16	3.6	3.3	3.7
February	27.439	28.010	26.750	20.9	39.5	46.9	17.3	32.1	79	—10	14	23	70	50	.084	.123	.04	.04	3.0	3.8	3.8
March	27.380	27.960	26.830	27.8	50.7	57.9	25.8	41.8	88	5	19	31	68	48	.105	.180	.36	.20	2.9	3.3	3.9
April	27.335	27.700	26.940	41.6	57.2	63.9	38.8	51.4	83	22	35	39	78	53	.217	.247	1.45	.73	5.7	5.6	5.1
May	27.324	27.770	26.830	47.8	64.1	68.4	45.5	57.0	93	31	42	43	83	50	.280	.286	1.60	.67	5.6	4.5	5.1
June	27.378	27.870	26.870	62.4	83.6	88.7	58.0	73.4	104	36	50	46	66	31	.376	.325	.91	.49	2.5	3.0	2.7
July	27.373	27.670	27.140	69.3	89.0	94.1	66.6	80.4	103	57	59	55	70	34	.499	.445	2.76	.95	3.0	2.9	2.8
August	27.440	27.750	27.220	62.7	79.3	85.3	61.8	73.6	100	45	59	60	88	54	.513	.522	4.46	1.15	3.6	4.3	3.8
September	27.488	27.820	27.230	58.5	74.4	81.3	57.5	69.4	94	39	54	55	86	52	.434	.438	.36	.24	4.0	2.9	3.0
October	27.460	27.980	26.940	40.0	54.9	65.2	35.1	50.2	89	12	31	34	69	45	.187	.205	.07	.06	2.8	2.2	2.5
November	27.567	27.830	27.200	36.7	51.4	62.2	34.9	48.6	80	22	28	33	69	61	.152	.187	.58	.48	2.7	2.3	2.8
December	27.510	28.050	27.070	18.5	29.0	41.2	15.1	28.2	75	— 7	11	15	71	55	.075	.094	.25	.25	3.5	2.0	3.7
Year	27.423	28.050	26.730	42.3	58.9	66.6	39.5	53.1	104	—10	35	38	74	49	.251	.265	13.06	1.15	3.6	3.3	3.5

DREXEL, NEBR.

[ϕ=41° 20′ N.; λ=96° 16′ W.]

January	28.630	29.420	27.750	16.3	21.1	29.1	10.5	19.8	52	—17	14	16	90	80	0.087	0.097	0.49	0.41	5.3	3.8	4.7
February	28.713	29.315	27.928	11.1	23.2	30.6	8.8	19.7	66	—23	9	14	89	69	.069	.087	.13	.06	5.1	6.2	5.2
March	28.584	29.230	27.820	27.8	38.9	46.9	25.2	36.0	84	— 2	23	25	83	61	.129	.141	1.39	.53	5.1	5.7	5.2
April	28.565	28.890	28.110	38.7	50.3	56.9	35.5	46.2	84	21	34	36	85	62	.207	.223	4.53	1.67	8.1	7.1	7.6
May	28.561	28.990	28.020	49.3	61.1	67.2	44.6	55.9	89	32	42	42	77	54	.278	.280	2.89	.92	5.8	5.0	5.1
June	28.565	28.990	28.090	60.8	73.9	77.8	56.7	67.2	97	42	54	56	80	57	.434	.480	7.12	2.19	4.6	3.2	4.2
July	28.551	28.760	28.249	69.1	82.9	88.1	64.4	76.2	103	50	62	62	79	50	.557	.562	.70	.36	2.5	7.2	2.3
August	28.640	28.890	28.350	61.2	73.5	80.7	58.1	69.4	97	47	57	60	87	64	.472	.524	3.77	1.42	3.4	3.9	3.6
September	28.685	29.110	28.410	56.5	66.0	75.6	53.7	64.6	93	38	53	55	89	70	.414	.451	1.51	.54	5.0	3.1	4.6
October	28.625	29.110	28.050	36.8	46.9	56.6	32.3	44.4	82	14	28	29	72	51	.162	.186	.39	.29	4.9	4.4	5.3
November	28.765	29.050	28.390	35.2	45.4	53.8	33.2	43.5	71	29	30	33	83	65	.172	.194	.25	.14	4.0	3.5	4.6
December	28.796	29.464	28.238	11.5	17.3	25.0	6.9	16.0	51	—23	10	13	95	82	.064	.092	.33	.21	4.5	6.8	6.9
Year	28.640	29.464	27.750	39.5	50.0	57.4	35.8	46.6	103	—23	35	37	84	64	.255	.275	23.50	2.19	4.9	4.5	4.9

Annual meteorological summary for the year ending December 31, 1917—Continued.

DETROIT, MICH.

[H=730 ft.; h_1=218 ft.; h_r=214 ft.; h_a=258 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	13.5	W.	54	SW.	1	4	6	4	3	2	14	22	7	0	6	9	16	12	7	13	7	0	1	15	0	29	0	0
February	13.7	NW.	39	W.	0	7	1	3	3	2	16	9	15	0	7	11	10	10	6	14	8	0	0	17	0	27	2	0
March	15.6	W.	54	W.	5	4	4	6	4	13	6	19	6	0	7	12	12	15	12	9	6	0	0	4	0	20	2	0
April	11.8	W.	39	SW.	0	8	10	8	2	7	9	7	9	0	6	10	14	12	11	6	2	1	0	0	0	10	7	0
May	13.0	N.	55	W.	2	14	12	8	2	5	2	11	8	0	5	8	18	15	13	2	0	1	1	0	0	0	7	0
June	11.0	SW.	46	W.	4	5	6	7	2	9	12	11	8	0	6	14	10	14	10	0	0	0	0	0	0	0	10	0
July	9.7	SW.	36	SW.	0	5	3	10	5	4	10	19	5	1	10	13	8	11	6	0	0	1	0	0	3	0	10	0
August	9.6	E.	34	W.	0	13	6	11	3	5	8	11	5	0	9	11	11	10	7	0	0	1	0	0	2	0	8	0
September	9.7	E.	38	NW.	0	6	11	12	8	7	5	9	2	0	18	6	6	7	5	0	0	0	1	0	0	0	4	0
October	12.8	W.	48	SW.	3	5	4	4	5	9	14	11	10	0	3	10	18	18	13	3	0	0	0	0	0	2	3	0
November	10.8	W.	38	N.	0	10	8	5	2	5	9	13	8	0	13	4	13	6	5	6	3	0	2	5	0	13	0	0
December	12.3	SW.	43	SW.	3	14	5	7	3	5	12	9	7	0	7	12	12	9	3	11	8	0	0	18	0	27	0	0
Year	12.0	W.	55	W.	18	95	76	85	42	73	117	151	90	1	97	120	148	139	98	64	34	4	5	59	5	128	53	0

DEVILS LAKE, N. DAK.

[H=1,482 ft.; h_1=11 ft.; h_r=4 ft.; h_a=44 ft.]

January	11.8	NW.	35	N.	0	4	4	4	11	4	7	12	16	0	8	5	18	8	4	12	8	0	0	30	0	31	0	1
February	11.9	NW.	60	N.	3	4	2	2	6	3	3	23	13	0	6	10	12	10	7	15	10	0	0	27	0	28	0	1
March	11.7	W.	44	NW.	1	8	7	2	7	6	6	14	11	1	8	13	10	6	3	12	6	0	0	17	0	31	0	0
April	11.5	NE.	30	NE.	0	12	15	12	9	0	1	3	8	0	2	13	15	6	5	3	2	0	0	0	0	25	0	1
May	10.0	NE.	37	NE.	0	9	17	6	6	4	8	5	7	0	20	7	4	0	0	1	0	0	0	0	1	9	0	0
June	11.4	NW.	40	NW.	1	5	5	4	10	3	9	11	13	0	12	7	11	16	12	0	0	0	0	0	2	1	7	1
July	9.5	S.	34	W.	0	8	11	3	12	12	2	2	12	0	9	15	7	16	11	0	0	0	0	0	9	0	13	1
August	9.7	NW.	38	N.	0	6	9	1	6	6	9	10	15	0	18	7	6	7	4	0	0	0	0	0	2	0	5	4
September	9.5	SE.	37	NW.	0	4	6	8	14	11	4	7	6	0	9	7	14	8	8	0	0	0	2	0	0	3	4	2
October	13.3	NW.	50	N.	5	8	2	3	3	8	5	10	23	0	2	11	18	13	5	12	9	0	1	9	0	23	0	1
November	8.1	SE.	42	NW.	1	6	4	2	15	6	13	9	5	0	12	17	11	1	1	2	1	0	6	4	0	23	0	0
December	10.6	NW.	33	NW.	0	6	4	2	13	4	10	7	16	0	6	12	13	11	6	15	11	0	1	29	0	31	0	1
Year	10.8	NW.	60	N.	11	80	86	49	112	67	77	113	145	1	112	114	139	102	66	72	47	0	10	116	14	205	29	13

DODGE CITY, KANS.

[H=2,509 ft.; h_1=11 ft.; h_r=3 ft.; h_a=51 ft.]

January	9.6	N.	40	N.	1	18	4	5	7	12	5	5	6	0	17	6	8	3	2	4	3	0	0	6	0	31	0	0
February	11.0	N.	37	N.	0	12	8	3	4	9	3	10	7	0	14	12	2	1	1	1	1	0	0	2	0	27	0	0
March	13.1	N.	41	N.	2	22	5	5	1	13	6	6	4	0	19	9	3	2	2	5	2	1	0	2	0	23	1	0
April	14.1	N.	60	SE.	4	17	4	5	3	17	2	1	11	0	12	9	9	10	8	2	2	1	0	0	0	5	2	0
May	12.0	S.	35	S.	0	14	5	6	10	19	1	4	2	1	11	12	8	12	7	0	0	0	0	0	1	1	8	0
June	11.1	S.	52	NW.	2	6	5	5	12	18	2	6	6	0	25	3	2	4	3	0	0	1	0	0	16	0	5	0
July	10.0	S.	36	N.	0	8	8	6	10	22	6	2	0	0	20	10	1	11	8	0	0	0	0	0	22	0	11	0
August	8.8	SE.	28	NE.	0	5	6	13	15	13	2	5	2	1	17	7	7	13	9	0	0	1	1	0	12	0	11	0
September	9.3	SE.	36	N.	0	7	9	3	20	13	2	4	2	0	21	3	6	3	2	0	0	0	0	0	3	0	3	0
October	11.3	NW.	36	N.	0	10	6	2	11	7	3	6	17	0	21	7	3	2	1	1	1	0	0	1	0	15	1	0
November	5.9	S.	28	S.	0	5	3	6	5	16	4	10	11	0	21	4	5	3	2	0	0	0	0	0	0	10	1	0
December	10.1	N.	41	N.	1	9	10	4	6	14	4	12	3	0	14	13	4	1	1	2	1	0	0	10	0	29	0	0
Year	10.5	S.	60	SE.	10	133	73	63	104	173	40	71	71	2	212	95	58	65	46	15	10	4	1	21	54	141	43	0

DREXEL, NEBR.

[H=1,299 ft.; h_1=10 ft.; h_r=3 ft.; h_a=54 ft.]

January	12.5	SW.	37	NW.	0	6	13	2	3	4	14	7	13	0	12	9	10	4	3	10	4	0	1	17	0	31	0	0
February	12.2	NW.	45	NW.	1	18	3	2	4	5	6	3	14	1	9	12	7	2	2	11	2	0	1	13	0	28	0	0
March	13.4	NW.	40	SE.	2	10	9	4	12	4	6	3	13	1	11	10	10	8	[illegible]	9	6	0	0	2	0	23	3	0
April	13.7	NE.	45	SW.	3	6	22	4	11	4	5	1	7	0	3	7	20	12	9	6	6	2	0	0	0	10	4	0
May	10.5	NE.	51	E.	3	3	20	4	10	5	3	5	7	0	13	7	11	10	9	1	1	1	0	0	0	2	6	0
June	11.4	NW.	56	NW.	2	4	14	3	12	8	4	3	12	0	16	7	7	17	14	0	0	1	0	0	3	0	18	0
July	8.8	S.	36	SW.	0	6	7	5	10	12	11	1	9	1	22	8	1	6	3	0	0	0	1	0	11	0	14	0
August	7.8	S.	38	NW.	0	8	9	4	11	14	5	2	9	0	16	12	3	9	7	0	0	0	1	0	1	0	10	1
September	9.9	SE.	28	SW.	0	4	7	10	15	15	2	0	7	0	11	13	6	9	6	0	0	1	2	0	1	0	10	0
October	11.8	NW.	40	SW.	1	7	5	2	6	11	4	3	24	0	9	11	11	3	2	6	0	0	0	1	0	18	1	0
November	9.1	SW.	38	NW.	0	6	8	2	20	6	8	4	6	0	13	8	9	6	2	2	1	1	3	0	0	13	1	0
December	11.4	N.	36	SW.	0	10	12	4	7	11	9	1	7	1	5	10	16	8	3	13	8	0	1	18	0	29	0	0
Year	11.0	NE.	56	NW.	12	93	129	46	121	99	77	33	128	4	140	114	111	94	67	58	28	6	10	51	16	154	67	1

Annual meteorological summary for the year ending December 31, 1917—Continued.

DUBUQUE, IOWA.

[ϕ=42° 30′ N.; λ=90° 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	29.287	30.140	28.420	11.9	19.6	25.9	7.4	16.6	48	−14	9	13	88	74	0.070	0.085	0.85	0.41	3.7	4.3	4.8
February	29.352	29.940	28.600	9.4	17.4	24.6	3.9	14.2	47	−20	6	10	84	72	.062	.075	.17	.08	5.5	4.2	5.3
March	29.251	29.840	28.680	28.8	37.9	43.6	26.0	34.8	65	3	24	26	80	61	.134	.144	1.56	.97	5.1	6.1	6.0
April	29.263	29.520	28.850	40.8	49.6	54.9	37.8	46.4	83	27	32	33	71	56	.195	.201	2.05	.68	6.5	6.7	6.6
May	29.225	29.590	28.810	48.9	60.5	64.7	44.9	54.8	86	34	40	40	73	49	.264	.261	2.56	.99	5.3	4.4	5.4
June	29.222	29.529	28.499	59.3	69.8	74.1	56.2	65.2	87	47	53	55	80	63	.413	.462	5.12	1.71	5.9	6.4	6.1
July	29.206	29.390	28.940	67.7	78.2	83.4	64.1	73.8	99	51	62	62	82	59	.562	.575	2.10	.99	3.3	4.3	4.7
August	29.279	29.506	28.950	61.5	74.1	79.3	57.8	68.6	91	47	56	56	82	54	.453	.457	2.11	1.68	3.7	3.7	4.4
September	29.383	29.850	29.078	54.6	64.0	71.3	52.3	61.8	86	36	50	52	85	66	.370	.400	2.40	.97	5.2	3.8	4.5
October	29.261	29.690	28.628	37.6	43.4	49.8	34.0	41.9	73	20	32	31	81	64	.187	.183	1.87	.72	7.3	5.9	7.3
November	29.459	29.840	28.720	34.2	42.3	48.4	31.9	40.2	66	17	30	33	85	71	.169	.198	.07	.05	5.2	4.9	6.2
December	29.507	30.170	28.940	13.5	17.6	22.6	9.0	15.8	47	−14	9	12	83	78	.081	.088	.52	.34	6.4	5.5	6.6
Year	29.308	30.170	28.420	39.0	47.8	53.6	35.4	44.5	99	−20	34	35	81	64	.247	.261	21.38	1.71	5.3	5.0	5.7

DULUTH, MINN.

[ϕ=46° 47′ N.; λ=92° 6′ W.]

January	28.723	29.593	28.130	−1.3	5.3	12.9	−6.7	3.1	38	−24	−4	1	89	83	0.037	0.049	0.80	0.40	4.4	3.6	4.7
February	28.772	29.350	27.650	−5.1	4.6	11.5	−8.0	1.8	36	−25	−6	0	95	79	.033	.042	.81	.30	5.0	4.0	4.8
March	28.718	29.370	28.219	17.9	25.5	30.8	15.7	23.2	46	−15	16	19	90	75	.094	.106	4.97	2.04	6.2	5.8	5.7
April	28.837	29.138	28.460	30.3	34.1	39.3	27.1	33.2	49	18	25	25	79	69	.133	.135	1.39	.67	4.7	4.6	5.9
May	28.808	29.130	28.456	44.1	48.3	56.1	36.0	46.0	82	28	30	29	58	50	.167	.166	.86	.56	3.6	3.5	3.4
June	28.727	29.038	28.299	50.7	54.5	63.3	42.7	53.0	82	36	44	44	80	71	.298	.294	1.93	.56	5.3	5.7	5.6
July	28.705	28.930	28.380	61.4	67.7	74.1	54.9	64.5	94	45	57	57	85	71	.468	.478	4.29	1.33	3.2	3.8	4.5
August	28.759	29.020	28.290	56.1	62.2	70.1	49.6	59.8	86	40	51	52	84	71	.380	.397	2.04	.56	4.4	4.2	5.1
September	28.884	29.390	28.490	49.7	54.5	61.7	45.6	53.6	78	31	46	48	89	79	.325	.337	2.15	.82	5.1	4.7	5.2
October	28.722	29.280	28.180	30.6	34.9	40.3	27.3	33.8	56	12	28	29	89	80	.157	.165	2.83	.67	6.2	7.6	7.5
November	28.927	29.330	28.180	31.1	35.3	40.8	28.1	34.4	64	14	28	30	89	80	.159	.167	.09	.07	5.7	6.0	7.0
December	28.947	29.650	28.350	1.2	5.4	13.7	−5.0	4.4	36	−35	0	3	94	88	.053	.058	1.07	.38	4.5	5.2	5.7
Year	28.794	29.650	27.650	30.6	36.0	42.9	25.6	34.2	94	−35	26	28	85	75	.192	.200	23.23	2.04	4.9	4.9	5.4

EASTPORT, ME.

[ϕ=44° 54′ N.; λ=66° 59′ W.]

January	29.840	30.660	29.140	19.2	21.2	28.6	12.6	20.6	47	− 8	11	14	68	71	0.090	0.094	3.87	0.87	6.0	6.0	6.1
February	29.735	30.314	28.770	14.8	20.6	26.0	9.1	17.6	43	−15	7	13	70	71	.076	.093	2.79	.56	5.0	4.2	5.4
March	29.901	30.400	29.210	27.8	30.6	35.8	22.9	29.4	46	5	21	24	72	76	.118	.133	2.95	.90	4.8	6.1	5.9
April	29.808	30.180	29.090	36.3	37.9	44.4	31.8	38.1	60	18	31	32	81	80	.175	.183	3.22	1.51	6.2	6.2	6.3
May	29.683	30.220	29.030	41.8	42.8	49.5	37.0	43.2	65	29	36	38	82	83	.215	.226	1.62	.52	6.9	7.3	6.9
June	29.947	30.328	29.656	50.9	50.3	58.5	44.6	51.6	73	39	48	47	92	90	.343	.325	7.40	3.13	6.2	5.3	6.8
July	29.851	30.169	29.480	57.9	57.1	67.6	49.3	58.4	84	45	55	54	90	91	.430	.423	1.90	.55	5.3	4.3	6.2
August	29.951	30.261	29.330	59.4	59.0	67.9	52.6	60.2	79	48	57	56	92	91	.469	.450	4.44	2.55	4.1	4.0	6.2
September	29.989	30.452	29.360	52.6	53.3	62.2	46.3	54.2	75	36	46	47	80	81	.320	.330	1.51	.67	3.4	3.3	4.5
October	29.953	30.386	29.160	45.5	45.7	52.3	40.0	46.2	61	32	42	42	88	89	.275	.277	4.01	1.24	5.9	5.4	5.9
November	29.857	30.428	29.269	30.2	33.2	38.4	26.3	32.4	53	6	27	29	86	83	.150	.163	1.72	1.07	5.8	5.3	6.5
December	30.055	30.880	29.050	16.9	18.7	24.7	11.0	17.8	47	−22	14	15	88	83	.103	.096	2.99	.88	7.4	5.1	6.9
Year	29.881	30.880	28.770	37.8	39.2	46.3	32.0	39.1	84	−22	33	34	82	82	.230	.233	38.42	3.13	5.6	5.2	6.1

ELKINS, W. VA.

[ϕ=38° 53′ N.; λ=79° 49′ W.]

January	27.947	28.550	27.370	30.4	33.4	41.0	21.1	32.6	70	3	25	26	81	76	0.139	0.155	4.58	1.80	9.1	6.0	7.6
February	27.924	28.430	27.200	24.8	29.6	40.7	17.1	28.9	72	−10	19	21	79	72	.125	.132	3.79	1.20	8.4	6.6	7.8
March	27.992	28.300	27.590	35.6	40.8	50.7	29.4	40.0	78	12	29	30	78	66	.189	.168	7.12	1.74	6.8	6.5	6.4
April	27.931	28.301	27.250	43.7	51.4	61.3	37.0	49.2	84	21	36	37	77	61	.226	.235	2.72	.61	7.4	6.8	6.7
May	27.868	28.181	27.480	49.8	55.0	63.7	43.4	53.6	84	32	40	41	73	62	.260	.265	4.35	1.86	7.1	6.9	7.2
June	28.036	28.344	27.750	60.5	66.5	77.5	52.5	65.0	90	36	55	56	82	70	.434	.460	3.52	.95	6.7	5.7	6.5
July	28.002	28.187	27.660	64.7	70.2	82.0	58.7	70.4	90	49	60	62	85	77	.518	.571	2.69	.61	6.7	7.0	7.1
August	28.042	28.266	27.680	60.8	68.6	82.6	56.2	69.4	91	41	57	60	89	75	.480	.524	3.26	1.23	4.4	5.0	5.3
September	28.099	28.303	27.730	51.4	58.4	73.0	47.2	60.1	83	34	49	52	92	82	.362	.408	2.83	.71	5.3	4.8	5.0
October	28.003	28.250	27.490	40.9	45.0	60.3	34.2	47.2	77	21	36	37	84	76	.222	.232	2.97	.79	7.3	3.8	6.1
November	28.080	28.490	27.320	28.0	36.7	49.3	24.8	37.0	64	12	26	30	91	78	.139	.171	1.23	.56	4.9	4.8	6.2
December	28.093	28.460	27.190	17.2	23.7	32.9	12.1	22.5	52	−28	14	19	88	81	.095	.113	1.17	.42	8.2	6.4	7.3
Year	28.001	28.550	27.190	42.3	48.3	59.8	36.1	48.0	91	−28	37	39	83	73	.264	.286	40.23	1.86	6.9	5.9	6.5

Annual meteorological summary for the year ending December 31, 1917—Continued.

DUBUQUE, IOWA.

[H=698 ft.; h_t=81 ft.; h_r=76 ft.; h_a=96 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	6.8	NW.	30	SW.	0	12	1	3	4	13	5	9	15	0	13	10	8	8	3	8	6	0	1	19	0	30	0	0
February	8.2	NW.	35	NW.	0	4	1	1	8	5	3	10	24	0	11	6	11	4	2	10	4	0	0	19	0	28	0	0
March	9.2	NW.	27	NW.	0	5	3	3	4	16	3	5	23	0	8	11	12	9	5	9	5	1	0	6	0	21	3	0
April	7.9	S.	27	N.	0	13	8	9	7	10	3	1	9	0	7	9	14	15	8	3	2	0	0	0	0	7	5	0
May	7.2	NW.	28	NW.	0	9	12	7	7	6	4	1	16	0	9	12	10	11	9	1	0	0	0	0	0	0	7	0
June	7.1	NW.	30	SW.	0	5	9	3	6	13	7	4	13	0	6	13	11	17	13	0	0	0	1	0	0	0	7	0
July	5.4	S.	20	NW.	0	8	2	5	8	22	3	2	12	0	12	12	7	11	7	0	0	0	2	0	6	0	9	0
August	5.0	MW.	24	NW.	0	10	2	3	4	14	4	4	19	2	15	10	6	6	3	0	0	0	1	0	1	0	3	2
September	5.0	S.	27	S.	0	12	3	5	0	19	6	2	11	2	15	4	11	8	6	0	0	1	5	0	0	0	5	0
October	7.5	NW.	28	NW.	0	7	2	2	11	6	5	6	23	0	2	13	16	11	7	9	2	1	3	1	0	12	1	0
November	4.8	S.	33	N.	0	12	7	1	3	16	4	5	11	1	7	10	13	3	1	4	1	0	5	2	0	15	0	0
December	7.3	S.	23	N.	0	12	2	1	7	16	0	2	21	1	8	6	17	6	4	11	6	0	1	18	0	27	0	0
Year	6.8	NW.	35	NW.	0	109	52	43	69	156	47	51	197	6	113	116	136	109	68	55	26	3	19	65	7	140	40	2

DULUTH, MINN.

[H=1,133 ft.; h_t=11 ft.; h_r=3 ft.; h_a=47 ft.]

January	13.3	SW.	46	NW.	2	2	6	5	1	1	20	16	11	0	13	9	9	4	3	7	4	0	0	29	0	31	0	3
February	14.0	W.	57	W.	6	3	6	0	1	1	19	22	4	0	13	6	9	9	4	12	9	0	0	27	0	28	0	1
March	16.6	NE.	56	NW.	10	5	18	0	1	3	11	14	10	0	8	14	9	10	9	15	8	0	1	17	0	31	0	0
April	13.5	NE.	42	NE.	1	3	38	0	0	0	0	7	12	0	8	12	10	7	6	7	3	0	5	2	0	28	1	0
May	12.3	NE.	40	NE.	1	3	38	1	0	0	3	6	11	0	19	6	6	4	4	0	0	0	2	0	0	8	2	0
June	12.2	NE.	52	NE.	3	3	32	2	0	4	5	7	7	0	10	9	11	13	10	0	0	0	4	0	0	0	7	0
July	9.2	NE.	54	SW.	2	3	23	2	2	4	9	11	7	1	14	8	9	12	7	0	0	0	10	0	1	0	8	2
August	11.8	W.	56	NW.	4	3	15	2	2	1	15	18	6	0	12	9	10	9	8	0	0	1	2	0	0	0	6	2
September	11.1	NE.	36	W.	0	5	19	2	1	4	13	11	5	0	12	8	10	11	6	0	0	0	7	0	0	1	3	1
October	14.3	W.	54	NW.	4	6	8	4	1	6	7	21	9	0	5	7	19	14	11	11	8	1	1	7	0	22	1	0
November	11.4	SW.	47	NW.	1	2	12	0	3	1	18	15	8	1	7	6	17	3	1	7	2	0	2	7	0	19	0	0
December	13.3	W.	57	NW.	5	2	3	2	3	4	20	21	7	0	12	7	12	13	10	17	13	0	2	26	0	31	0	0
Year	12.8	NE.	57	NW.	39	40	218	20	15	29	140	169	97	2	133	101	131	109	79	76	47	4	36	115	1	199	28	9

EASTPORT, ME.

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

January	13.6	W.	50	S.	3	5	5	2	4	7	13	20	6	0	6	13	12	19	12	17	16	0	0	19	0	29	0	0
February	12.6	W.	49	NE.	3	6	1	2	2	6	15	12	12	0	11	7	10	11	7	12	10	0	2	21	0	28	0	1
March	13.3	W.	64	E.	4	4	5	2	5	10	11	12	13	0	9	10	12	12	11	12	8	0	1	8	0	28	0	0
April	11.6	NW.	46	E.	1	6	6	6	3	3	8	9	18	1	6	12	12	11	10	7	5	0	3	2	0	14	0	0
May	12.3	NW.	44	E.	2	7	10	6	1	6	11	5	16	0	6	10	15	13	9	3	1	0	1	0	0	3	0	0
June	8.7	S.	39	SE.	0	2	5	9	3	25	4	6	6	0	6	10	14	18	10	0	0	0	15	0	0	0	3	0
July	6.9	S.	24	NE.	0	1	6	1	1	27	13	5	8	0	5	14	12	11	8	0	0	0	16	0	0	0	8	2
August	7.1	S.	54	NE.	1	1	8	4	1	21	12	6	7	2	9	8	14	15	11	0	0	0	20	0	0	0	4	2
September	8.0	NW.	29	NE.	0	5	5	1	0	6	17	11	15	0	10	13	7	8	5	0	0	0	2	0	0	0	4	4
October	13.1	S.	56	E.	4	6	6	1	2	13	13	12	9	0	10	9	12	14	10	0	0	0	2	0	0	1	1	2
November	12.7	NW.	38	NW.	0	6	3	2	0	1	8	13	27	0	8	7	15	9	5	16	5	0	1	5	0	23	0	2
December	14.8	NW.	70	E.	6	12	6	8	0	2	6	8	20	0	8	5	18	9	5	18	9	0	2	19	0	29	0	1
Year	11.2	NW.	70	E.	24	61	66	44	22	127	131	119	157	3	94	118	153	150	103	85	54	0	65	74	0	155	16	14

ELKINS, W. VA.

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

January	5.1	W.	24	W.	0	6	2	0	3	6	8	27	6	4	4	9	18	17	14	16	9	0	1	6	0	29	0	0
February	6.1	W.	30	W.	0	4	1	0	3	9	9	21	7	2	3	8	17	14	10	14	9	0	0	7	0	24	2	0
March	6.1	W.	30	W.	0	8	1	3	10	6	7	18	8	1	10	4	17	20	17	11	9	0	2	1	0	21	2	0
April	4.9	W.	27	W.	0	12	1	0	5	8	2	16	15	1	4	11	15	13	10	9	5	0	0	0	0	12	1	0
May	5.7	W.	34	W.	0	6	1	0	6	6	4	27	10	2	5	9	17	16	13	1	0	2	2	0	0	1	9	0
June	3.2	W.	26	W.	0	6	0	0	11	8	4	16	12	3	6	11	13	16	12	0	0	0	8	0	0	0	12	0
July	2.9	W.	17	W.	0	5	1	2	7	15	5	15	8	4	2	11	18	17	13	0	0	0	11	0	0	2	10	0
August	2.6	W.	14	W.	0	11	4	3	3	7	8	9	12	5	9	14	8	11	10	0	0	0	14	0	2	0	9	0
September	2.9	N.	17	W.	0	13	6	5	8	3	4	6	13	2	11	9	10	9	7	0	0	1	15	0	0	4	0	0
October	4.7	W.	32	W.	0	2	3	1	3	9	8	17	14	5	6	14	11	14	12	6	3	0	6	0	0	16	0	0
November	2.8	W.	13	W.	0	3	0	0	2	4	3	21	16	11	14	5	11	11	8	8	4	0	9	3	0	25	0	0
December	3.6	W.	24	SE.	0	15	0	0	4	12	6	11	10	4	5	8	18	16	9	17	11	0	2	14	0	30	0	0
Year	4.2	W.	34	W.	0	91	20	14	65	93	68	204	131	44	79	113	173	174	135	82	50	3	70	31	4	158	49	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

ELLENDALE, N. D.

[ϕ=45° 59′ N.; λ=98° 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.*				
October										0												
November	28.584	28.990	28.140	29.2	38.4	49.2	25.8	37.5	69	6	26	32	90	79	0.144	0.179	0.25	0.15	3.8	3.1	....	
December	28.617	29.390	27.930	−0.4	5.4	13.0	−5.8	3.6	51	−37	1	4	97	92	.052	.061	.91	.30	5.0	5.9	7.5	

EL PASO, TEX.

[ϕ=31° 47′ N.; λ=106° 30′ W.]

January	26.215	26.450	25.860	37.0	51.7	55.4	34.3	44.8	68	25	27	28	66	42	0.147	0.157	0.32	0.09	3.5	4.0	4.7	
February	26.239	26.650	25.904	38.0	58.6	62.5	35.0	48.8	79	21	21	18	49	22	.110	.101	T.	T.	1.6	2.0	3.2	
March	26.162	26.580	25.870	41.7	65.2	68.0	38.6	53.3	84	21	14	11	33	13	.080	.072	.07	.07	0.7	0.7	1.1	
April	26.093	26.450	25.760	50.7	73.3	78.1	48.5	62.3	87	36	20	15	30	11	.111	.086	T.	T.	1.0	1.5	1.6	
May	26.082	26.360	25.860	55.2	76.1	79.9	53.3	66.6	90	38	29	20	41	17	.168	.124	.14	.11	1.3	2.2	2.2	
June	26.162	26.540	25.940	69.3	91.0	94.1	67.5	80.8	99	53	30	26	26	11	.194	.158	.36	.32	0.3	1.5	1.6	
July	26.146	26.290	26.010	73.9	90.6	95.0	72.8	83.9	103	66	54	47	51	24	.417	.330	.41	.27	2.6	4.7	4.2	
August	26.203	26.360	26.010	69.6	85.6	91.1	67.2	79.2	99	58	57	52	65	35	.464	.397	4.39	1.46	3.0	3.6	3.4	
September	26.223	26.390	26.010	64.6	80.4	84.3	63.2	73.8	94	51	53	49	66	38	.409	.366	.76	.35	3.0	2.3	3.1	
October	26.240	26.600	25.960	52.4	74.0	78.8	50.3	64.6	89	34	31	31	45	22	.181	.181	T.	T.	0.4	0.2	0.6	
November	26.330	26.600	26.150	43.7	64.5	69.9	40.9	55.4	78	34	26	31	50	30	.149	.180	.04	.04	0.4	0.8	1.2	
December	26.270	26.530	25.960	38.0	59.5	64.6	34.7	49.6	72	24	17	22	41	23	.091	.117	0	0	0.5	0.6	0.7	
Year	26.197	26.650	25.760	52.8	72.5	76.6	50.5	63.6	103	21	32	29	47	24	.210	.189	6.49	1.46	1.5	2.0	2.3	

ERIE, PA.

[ϕ=42° 7′ N.; λ=80° 5′ W.]

January	29.198	30.020	28.390	25.0	27.4	33.5	19.7	26.6	50	3	19	22	76	79	0.110	0.123	2.34	0.46	7.7	6.3	7.9	
February	29.192	29.880	28.500	18.4	20.9	28.3	11.9	20.1	56	−10	13	17	79	85	.082	.104	.92	.33	7.5	5.9	7.1	
March	29.228	29.728	28.620	33.9	37.7	43.5	28.5	36.0	70	8	26	30	75	74	.149	.176	3.13	.83	6.9	6.1	6.5	
April	29.204	29.640	28.460	42.4	44.6	51.3	36.4	43.8	77	24	34	36	74	74	.216	.230	3.01	1.11	6.5	6.7	6.4	
May	29.096	29.430	28.560	47.3	51.2	56.6	42.6	49.6	83	35	40	42	76	74	.255	.283	6.74	1.16	6.5	6.7	6.3	
June	29.231	29.585	28.930	61.8	64.9	71.6	55.7	63.6	87	48	54	55	77	72	.427	.443	6.35	2.03	6.1	6.8	6.3	
July	29.180	29.410	28.850	70.6	73.0	78.5	64.6	71.6	92	52	62	63	76	72	.577	.581	4.33	1.68	4.5	3.6	3.8	
August	29.242	29.492	28.800	67.5	70.1	76.8	62.3	69.6	95	53	58	59	74	69	.502	.505	3.69	1.10	5.2	5.2	4.9	
September	29.354	29.610	28.900	58.0	61.4	68.1	53.6	60.8	79	45	50	52	76	72	.379	.404	1.51	.50	3.8	4.0	4.0	
October	29.227	29.524	28.570	43.8	46.9	53.4	39.0	46.2	75	26	36	37	75	71	.217	.231	7.88	1.85	7.8	6.9	7.6	
November	29.357	29.870	28.450	35.5	38.1	42.6	31.6	37.1	63	16	28	30	74	74	.159	.171	.82	.36	6.5	5.0	6.4	
December	29.408	29.850	28.340	21.7	23.6	28.9	17.4	23.2	48	− 2	15	17	74	74	.089	.098	1.53	.76	8.7	6.7	8.2	
Year	29.243	30.020	28.340	43.8	46.6	52.8	38.6	45.7	95	−10	36	38	76	74	.264	.279	42.25	2.03	6.5	5.8	6.3	

ESCANABA, MICH.

[ϕ=45° 48′ N.; λ=87° 5′ W.]

January	29.282	30.170	28.630	8.5	13.9	20.1	3.0	11.6	38	−16	6	8	90	78	0.061	0.069	0.99	0.55	4.8	4.7	4.5	
February	29.309	29.960	28.350	2.0	9.3	15.5	−3.2	6.2	39	−20	0	5	93	81	.046	.055	.87	.29	4.7	4.2	4.6	
March	29.279	29.944	28.500	21.3	27.2	32.1	16.3	24.2	43	−20	18	21	88	78	.108	.119	2.80	.79	5.4	6.1	5.9	
April	29.377	29.720	28.820	31.6	34.8	40.9	28.2	34.6	57	16	27	29	83	78	.148	.159	1.72	.48	5.2	5.9	5.8	
May	29.309	29.610	28.750	43.1	48.5	54.5	38.1	46.3	81	30	34	34	72	58	.200	.199	1.04	.38	5.6	4.3	5.4	
June	29.288	29.540	28.750	51.4	56.6	61.7	47.1	54.4	80	39	48	49	86	78	.329	.358	5.30	1.28	5.6	5.3	5.7	
July	29.254	29.506	28.940	63.1	67.2	73.9	57.9	65.9	90	45	58	60	83	79	.491	.533	2.57	.64	3.8	4.0	4.6	
August	29.315	29.590	28.730	57.8	63.6	69.3	52.4	60.8	83	42	54	54	88	74	.426	.434	3.13	.83	6.2	4.5	4.9	
September	29.460	29.900	29.040	50.9	56.7	62.2	47.1	54.6	74	37	48	50	88	79	.336	.363	1.39	.85	5.6	4.7	4.9	
October	29.289	29.700	28.630	36.5	39.6	45.2	32.5	38.8	64	22	31	32	81	75	.179	.189	3.16	1.00	6.4	6.3	6.8	
November	29.499	30.020	28.580	31.7	35.9	40.5	28.2	34.4	58	17	28	31	86	82	.157	.177	.80	.51	6.9	4.6	5.9	
December	29.509	30.080	28.700	12.5	15.7	22.2	7.0	14.6	37	−14	10	13	87	89	.077	.084	1.00	.38	7.3	5.6	6.5	
Year	29.348	30.170	28.350	34.2	39.1	44.8	29.6	37.2	90	−20	30	32	85	77	.213	.228	24.77	1.28	5.6	5.0	5.5	

Annual meteorological summary for the year ending December 31, 1917—Continued.

ELLENDALE, N. DAK.

[H=1,457 ft.; h_t=10 ft.; h_r=3 ft.; h_a=56 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.	ense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles		*Mi.*																	8	3							
October																												
November	10.4	S.	54	NW.	1	5	11	2	7	12	9	4	8	2	10	10	10	2	2	3	2	0	9	2	0	27	0	0
December	14.1	NW.	49	N.	3	12	10	4	3	11	7	0	15	0	3	11	17	12	6	20	12	0	0	24	0	31	0	2

EL PASO, TEX.

[H=3,762 ft.; h_t=110 ft.; h_r=102 ft.; h_a=133 ft.]

January	10.5	W.	40	W.	1	0	5	6	5	0	2	16	28	0	14	7	10	4	4	1	1	0	1	0	0	10	0	0
February	11.3	NW.	63	W.	2	1	5	7	4	0	3	18	18	0	13	14	1	0	0	0	0	0	0	0	0	9	0	0
March	13.3	W.	54	MW.	5	1	5	2	9	3	7	20	15	0	28	2	1	1	1	1	1	0	0	0	0	7	0	0
April	13.4	W.	52	SW.	9	1	6	6	1	0	1	30	15	0	23	6	1	0	0	0	0	0	0	0	0	6	0	0
May	16.1	W.	60	SW.	8	3	9	8	3	0	2	25	12	0	23	6	2	2	1	0	0	0	0	0	0	0	2	0
June	11.2	W.	46	NE.	1	0	6	12	10	0	2	14	16	0	25	5	0	2	2	0	0	0	0	0	25	0	4	0
July	10.3	SE.	39	S.	0	1	15	12	19	1	2	3	9	0	13	16	2	6	2	0	0	0	0	0	27	0	10	0
August	8.5	SE.	53	NW.	5	2	11	14	17	1	2	8	7	0	15	14	2	10	7	0	0	0	0	0	17	0	12	0
September	9.0	E.	34	E.	0	1	12	16	18	0	2	6	5	0	20	6	4	8	5	0	0	0	0	0	6	0	4	0
October	9.5	E.	39	E.	0	1	4	12	17	3	2	11	12	0	29	2	0	0	0	0	0	0	0	0	0	0	0	0
November	8.5	E.	28	W.	0	2	7	21	7	0	0	10	12	1	26	4	0	2	0	0	0	0	0	0	0	0	2	0
December	8.2	NW.	41	NW.	1	3	3	5	4	1	3	19	24	0	30	1	0	0	0	0	0	0	0	0	0	9	0	0
Year	10.8	W.	63	W.	32	16	88	121	114	9	28	180	173	1	259	83	23	35	22	2	2	0	1	0	75	35	34	0

ERIE, PA.

[H=714 ft.; h_t=130 ft.; h_r=122 ft.; h_a=166 ft.]

January	14.6	SW.	58	SW.	5	0	3	1	7	10	28	8	5	0	1	11	19	12	9	18	9	1	0	13	0	27	1	0
February	16.9	SW.	52	S.	6	4	3	0	4	7	12	11	15	0	1	14	13	12	6	20	9	0	0	16	0	27	2	0
March	20.2	SW.	66	SW.	13	3	10	1	8	10	17	10	3	0	7	8	16	17	14	11	8	0	1	6	0	21	4	0
April	14.4	W.	62	SE.	2	1	10	3	8	8	10	8	12	0	2	15	13	15	9	5	3	0	0	2	0	9	4	0
May	14.4	NE.	48	SW.	5	3	15	1	6	2	12	11	11	1	6	15	10	20	18	3	1	0	1	0	0	0	6	0
June	11.5	SW.	46	SW.	1	2	11	2	3	13	18	6	5	0	2	17	11	17	13	0	0	1	2	0	0	0	11	0
July	12.1	SW.	44	SW.	2	3	4	1	7	14	18	11	4	0	17	10	4	9	8	0	0	0	0	0	2	0	10	0
August	11.8	SW.	36	SW.	0	2	11	3	11	11	10	7	7	0	8	16	7	14	12	0	0	0	1	0	1	0	10	1
September	11.4	SE.	42	SW.	1	6	10	4	14	8	10	3	5	0	12	14	4	10	7	0	0	1	0	0	0	0	3	1
October	17.2	S.	47	SW.	8	2	5	2	10	15	16	3	9	0	1	10	20	21	14	6	4	1	0	0	0	2	5	0
November	12.5	SW.	37	SE.	0	6	6	4	7	12	13	5	7	0	8	6	16	10	5	10	6	0	1	4	0	15	0	0
December	16.3	SE.	55	SE.	4	2	5	6	11	10	11	2	15	0	2	5	24	14	10	21	11	0	0	17	0	27	0	1
Year	14.4	SW.	66	SW.	47	34	93	28	96	120	175	85	98	1	67	141	157	171	125	94	51	4	6	58	3	128	56	3

ESCANABA, MICH.

[H=612 ft.; h_t=54 ft.; h_r=44 ft.; h_a=60 ft.]

January	8.9	NW.	38	NE.	0	10	8	2	1	3	15	8	15	0	13	9	9	9	4	15	9	0	2	28	0	31	0	0
February	8.9	NW.	37	NW.	0	8	4	4	0	5	10	12	13	0	13	7	8	5	5	17	5	0	2	26	0	28	0	0
March	10.2	N.	34	N.	0	14	11	6	2	11	6	5	7	0	9	10	12	12	10	17	10	0	3	13	0	29	2	0
April	9.9	NE.	38	N.	0	19	16	9	3	6	1	3	3	0	9	8	13	10	7	9	5	0	2	2	0	20	1	0
May	12.2	NE.	40	NE.	1	26	19	4	2	5	3	0	3	0	11	8	12	4	4	2	1	0	0	0	0	5	1	0
June	9.1	S.	38	E.	0	9	9	7	6	17	5	3	4	0	11	7	12	15	12	0	0	1	2	0	0	0	6	1
July	7.7	S.	28	SW.	0	13	9	2	3	17	10	5	3	0	10	15	6	11	6	0	0	0	1	0	0	0	11	0
August	8.8	S.	38	SW.	0	13	8	3	1	11	12	9	5	0	13	10	8	12	10	0	0	1	1	0	0	0	8	0
September	8.8	S.	28	N.	0	9	8	2	2	10	17	5	7	0	12	9	9	8	7	0	0	0	1	0	0	0	3	0
October	11.4	NW.	35	NE.	0	3	13	1	7	6	8	9	15	0	4	12	15	16	11	10	3	0	0	1	0	16	1	1
November	8.7	SW.	52	NE.	1	15	4	2	0	6	15	11	6	1	10	7	13	4	2	10	2	0	4	5	0	24	0	3
December	10.8	NW.	32	S.	0	7	4	2	2	5	10	7	25	0	9	5	17	16	6	19	14	0	3	23	0	31	0	1
Year	9.6	N.	52	NE.	2	146	113	44	29	102	112	77	106	1	124	107	134	122	84	99	49	2	21	98	0	184	33	14

Annual meteorological summary for the year ending December 31, 1917—Continued.

EUREKA, CAL.

[ϕ=40° 48′ N.; λ=124° 11′ 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	30.157	30.430	29.722	39.5	46.8	49.0	36.1	42.6	59	27	36	41	88	82	0.218	0.260	5.53	1.62	4.9	4.5	4.7
February	30.057	30.460	29.392	42.0	46.8	50.4	37.9	44.2	60	30	39	41	88	82	.238	.263	5.10	2.60	5.7	6.9	7.0
March	30.210	30.470	29.660	39.9	47.3	50.1	37.4	43.8	59	29	37	40	88	76	.219	.247	5.01	1.19	5.6	6.4	6.1
April	30.038	30.310	29.743	45.6	51.5	54.7	43.4	49.0	62	34	42	44	87	78	.269	.296	3.78	1.02	6.5	6.1	6.2
May	30.039	30.310	29.790	47.0	51.7	54.2	45.9	50.0	64	39	44	45	89	80	.288	.302	1.03	.50	8.3	7.0	7.0
June	30.090	30.230	29.950	48.6	55.4	57.5	47.6	52.6	68	41	46	48	92	78	.312	.340	0	0	5.2	2.8	4.1
July	29.940	30.120	29.750	51.3	59.1	59.4	50.3	54.8	67	48	49	50	94	79	.352	.366	0	0	7.2	4.7	5.8
August	29.979	30.139	29.780	51.7	55.4	57.5	50.5	54.0	64	48	50	51	95	86	.363	.372	.02	.02	7.6	7.4	8.6
September	29.989	30.200	29.814	52.9	59.1	61.8	51.0	56.4	71	47	51	54	93	83	.371	.415	.66	.64	3.4	5.3	5.9
October	30.038	30.210	29.772	48.4	53.7	57.4	45.9	51.6	82	37	46	48	91	84	.309	.341	0	0	3.2	4.5	6.5
November	30.082	30.370	29.630	49.1	55.9	60.1	45.4	52.8	73	39	46	49	89	79	.312	.348	6.43	2.23	4.5	6.0	5.9
December	30.129	30.377	29.670	47.8	54.4	57.5	44.8	51.2	67	36	45	49	91	82	.308	.348	1.17	.62	5.0	6.2	5.8
Year	30.062	30.470	29.392	47.0	52.9	55.8	44.7	50.2	82	27	44	47	90	81	.297	.325	28.73	2.23	5.6	5.6	6.1

EVANSVILLE, IND.

[ϕ=37° 58′ N.; λ=89° 33′ W.]

January	29.604	30.300	28.940	33.6	38.1	44.5	28.1	36.3	65	7	29	30	84	72	0.180	0.186	4.93	1.65	5.6	5.3	6.3
February	29.638	30.240	29.100	27.2	36.0	42.4	22.6	32.5	72	−5	21	24	77	62	.132	.145	1.13	.48	4.9	4.2	6.0
March	29.610	30.000	29.110	41.0	50.5	55.9	38.5	47.2	76	18	34	38	78	64	.208	.245	3.03	.70	4.7	4.7	5.1
April	29.521	29.890	29.030	49.5	59.5	65.9	45.9	55.9	84	30	41	41	74	52	.269	.268	5.12	2.54	5.7	4.9	5.5
May	29.488	29.780	28.959	56.0	64.3	70.0	50.8	60.4	85	40	46	46	70	54	.324	.332	3.68	1.41	4.2	4.2	5.0
June	29.569	29.895	29.190	68.6	76.2	83.1	63.7	73.4	98	46	59	59	72	57	.508	.518	4.20	2.02	3.5	3.0	4.5
July	29.516	29.700	29.157	72.7	81.1	87.2	69.1	78.2	94	63	65	64	77	59	.626	.621	2.26	1.12	4.3	3.6	4.7
August	29.555	29.760	29.260	70.4	79.2	86.4	66.9	76.6	97	57	62	62	75	56	.563	.559	1.92	1.17	4.0	3.4	4.8
September	29.630	29.880	29.380	62.5	73.0	80.8	60.0	70.4	92	44	56	57	81	59	.472	.480	3.35	2.64	3.2	2.7	3.6
October	29.591	29.920	29.100	46.4	54.4	61.0	42.0	51.5	85	29	38	38	73	56	.243	.243	3.05	1.30	4.8	4.4	5.3
November	29.734	30.170	29.050	41.1	48.8	54.9	38.8	46.8	72	26	33	37	74	66	.193	.223	2.19	.95	5.3	4.7	5.0
December	29.790	30.230	29.140	23.3	28.4	34.4	18.9	26.6	68	−5	19	23	82	79	.120	.136	2.12	1.05	6.6	4.9	6.3
Year	29.604	30.300	28.940	49.4	57.5	63.9	45.4	54.6	98	−5	42	43	76	61	.320	.330	36.98	2.64	4.7	4.2	5.2

FORT SMITH, ARK.

[ϕ=35° 22′ N.; λ=94° 24′ W.]

January	29.586	30.210	29.040	37.5	45.6	51.8	32.5	42.2	77	15	32	32	79	62	0.200	0.203	0.68	0.24	5.5	5.4	5.9
February	29.618	30.300	29.120	34.3	47.2	53.5	30.7	42.1	83	6	25	28	70	50	.155	.172	.73	.63	3.6	5.3	3.9
March	29.548	30.001	29.120	46.9	58.5	64.6	42.7	53.6	81	24	38	38	71	51	.253	.258	1.18	.47	5.2	4.5	4.6
April	29.455	29.750	29.120	53.1	65.3	70.8	49.4	60.1	87	37	45	47	76	56	.320	.346	3.14	.93	6.2	4.7	5.4
May	29.457	29.810	29.015	57.5	70.1	74.0	53.7	63.8	87	40	50	49	76	50	.372	.375	2.37	1.42	4.7	6.3	5.4
June	29.514	29.850	29.170	68.6	81.4	87.8	64.9	76.4	100	52	62	62	79	54	.557	.570	2.57	1.21	3.6	4.5	3.3
July	29.474	29.660	29.261	73.8	87.4	92.6	71.0	81.8	103	65	68	66	81	51	.679	.640	2.00	.91	5.2	4.8	4.5
August	29.513	29.670	29.250	70.7	82.8	88.3	68.8	78.6	100	60	66	66	85	59	.644	.646	3.18	1.27	5.0	4.7	4.9
September	29.575	29.780	29.423	63.9	77.9	84.1	62.4	73.2	94	49	61	60	89	57	.542	.544	1.34	.97	3.9	4.0	4.3
October	29.572	30.040	28.980	46.0	63.3	71.0	43.5	57.2	90	22	38	40	73	43	.251	.273	.20	.09	2.3	3.2	2.8
November	29.708	30.060	29.340	43.1	56.5	62.6	40.4	51.5	77	25	35	38	74	54	.212	.245	2.05	1.21	3.2	3.6	3.5
December	29.727	30.260	29.290	29.4	37.7	43.3	26.6	35.0	74	2	23	24	75	58	.146	.157	.36	.36	5.6	4.3	5.2
Year	29.562	30.300	28.980	52.1	64.5	70.4	48.9	59.6	103	2	45	46	77	54	.361	.369	19.80	1.42	4.5	4.6	4.5

FORT WAYNE, IND.

[ϕ=41° 5′ N.; λ=85° 10′ W.]

January	29.091	29.850	28.330	21.7	27.6	34.3	17.0	25.6	48	−4	18	22	82	78	0.108	0.125	1.80	0.80	6.1	4.7	6.0
February	29.112	29.780	28.525	17.3	22.9	30.0	11.6	20.8	58	−9	13	15	81	70	.091	.098	.52	.32	5.6	5.0	6.5
March	29.101	29.560	28.480	33.4	40.3	46.8	29.2	38.0	71	12	27	31	77	71	.156	.183	3.71	1.12	5.8	6.1	6.7
April	29.071	29.460	28.420	41.0	49.4	55.4	37.3	46.4	83	23	35	36	78	60	.212	.226	3.47	1.25	6.1	6.3	6.8
May	29.005	29.281	28.380	48.4	56.3	62.4	44.0	53.2	85	33	40	42	73	62	.256	.282	4.00	2.44	4.9	6.7	6.1
June	29.098	29.433	28.740	61.6	68.2	75.4	56.5	66.0	89	40	57	57	84	70	.469	.481	4.63	1.64	5.4	6.0	6.2
July	29.055	29.250	28.710	67.0	75.0	81.6	62.4	72.0	95	50	61	62	82	66	.556	.577	4.98	2.04	3.9	4.7	4.7
August	29.106	29.310	28.690	64.1	72.8	80.3	60.3	70.3	95	50	58	57	81	61	.485	.483	4.55	1.61	3.7	5.9	4.2
September	29.219	29.510	28.850	54.2	65.4	72.6	51.3	62.0	84	39	49	50	82	61	.354	.378	.60	.26	3.2	2.8	3.2
October	29.096	29.460	28.550	40.2	45.7	51.8	36.5	44.2	67	23	34	37	79	73	.204	.232	7.57	2.56	7.3	7.4	7.6
November	29.253	29.740	28.370	33.4	41.6	47.2	31.4	39.3	68	14	30	32	88	70	.171	.189	.23	.11	4.4	3.2	5.1
December	29.299	29.790	28.540	17.8	22.1	27.8	13.3	20.6	50	−8	12	15	76	71	.090	.095	.71	.21	6.5	4.1	5.9
Year	29.126	29.850	28.330	41.7	48.9	55.5	37.6	46.5	95	−9	36	38	80	68	.263	.279	36.77	2.56	5.2	5.2	5.8

Annual meteorological summary for the year ending December 31, 1917—Continued.

EUREKA, CAL.

[H=62 ft.; h_t=73 ft.; h_r=65 ft.; h_a=89 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.	Auroras.
	Miles		*Mi.*																									
January	6.3	SE.	34	N.	0	18	5	4	15	8	5	4	1	2	13	9	9	12	10	0	0	0	4	0	0	7	0	0
February	7.2	SE.	44	N.	1	10	8	5	11	6	5	8	2	1	6	5	17	13	12	0	0	5	10	0	0	1	2	0
March	7.6	SE.	31	N.	0	11	3	3	19	3	9	4	10	0	8	10	13	20	17	0	0	4	0	0	0	2	0	0
April	8.3	SE.	37	N.	0	13	2	2	15	4	11	4	9	0	6	13	11	14	12	0	0	2	1	0	0	0	0	0
May	9.5	N.	34	N.	0	32	2	2	8	1	5	4	6	2	5	12	14	11	6	0	0	0	0	0	0	0	0	0
June	7.7	N.	29	NW.	0	23	2	1	6	1	7	5	12	3	13	12	5	0	0	0	0	0	6	0	0	0	0	0
July	6.5	N.	25	SW.	0	16	3	2	5	8	10	7	10	1	6	16	9	0	0	0	0	0	3	0	0	0	0	0
August	5.3	SW.	18	SW.	0	12	2	3	2	5	16	9	13	0	1	6	24	1	0	0	0	0	6	0	0	0	1	0
September	5.2	SW.	32	SW.	0	12	1	2	9	7	9	8	9	3	9	9	12	2	1	0	0	0	12	0	0	0	0	0
October	4.7	N.	34	N.	0	13	5	3	10	6	8	8	8	1	9	6	16	0	0	0	0	0	17	0	0	0	0	0
November	5.9	SE.	32	SE.	0	6	5	5	9	8	14	6	4	3	9	8	13	12	11	0	0	0	8	0	0	0	0	0
December	4.9	SE.	38	NW.	0	10	4	3	20	10	4	2	0	9	12	6	13	9	7	0	0	0	7	0	0	0	1	0
Year	6.6	N.	44	N.	1	176	42	35	129	67	103	69	84	25	97	112	156	94	76	0	0	11	74	0	0	10	4	0

EVANSVILLE, IND.

[H=431 ft.; h_t=139 ft.; h_r=135 ft.; h_a=175ft.]

January	12.0	SW.	42	SW.	1	6	6	2	8	11	11	8	10	0	4	18	9	14	11	8	6	0	6	6	0	18	5	0
February	14.4	NW.	46	W.	2	9	7	2	3	11	5	5	14	0	4	15	9	8	5	8	5	0	0	7	0	20	2	0
March	16.5	S.	42	S.	4	7	7	3	10	13	5	11	6	0	9	12	10	14	11	5	4	1	0	2	0	8	5	0
April	13.2	NE.	58	SW.	4	4	13	2	9	10	5	7	10	0	6	16	8	11	8	1	0	1	0	0	0	1	2	0
May	12.5	NW.	48	SW.	2	6	6	2	3	14	14	2	15	0	9	15	7	13	9	0	0	1	0	0	0	0	8	0
June	10.2	S.	45	W.	1	3	8	4	7	16	12	1	9	0	11	17	2	9	8	0	0	1	0	0	5	0	11	0
July	8.8	S.	41	S.	1	4	6	1	8	22	10	2	9	0	6	20	5	8	5	0	0	0	1	0	11	0	10	0
August	7.8	S.	30	SW.	0	9	4	4	9	12	9	2	13	0	12	17	2	6	4	0	0	0	0	0	9	0	4	0
September	8.5	NE.	40	NW.	1	8	12	5	7	11	5	1	11	0	15	12	3	6	4	0	0	0	0	0	4	0	6	0
October	12.0	S.	46	NW.	1	5	2	7	7	16	8	11	6	0	7	15	9	7	6	2	1	0	0	0	0	1	3	0
November	9.0	NW.	30	N.	0	7	6	7	8	4	11	7	8	2	12	7	11	5	5	2	1	0	8	0	0	5	1	0
December	11.4	NE.	44	SW.	1	9	11	4	5	8	10	2	13	0	7	12	12	11	10	12	10	0	1	14	0	21	0	0
Year	11.4	S.	58	SW.	18	77	88	43	84	148	105	59	124	2	105	176	84	112	86	38	27	4	16	29	29	74	57	0

FORT SMITH, ARK.

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

January	8.8	E.	41	NW.	1	5	1	29	1	3	9	3	11	0	12	2	17	7	6	1	1	0	2	5	0	17	2	0
February	9.7	E.	38	NW.	0	6	3	20	1	3	11	6	6	0	15	6	7	3	2	1	0	0	1	2	0	13	0	0
March	11.0	E.	45	W.	1	1	4	18	9	10	4	3	13	0	16	3	12	9	8	1	0	0	0	0	0	4	5	0
April	10.5	E.	56	W.	2	5	1	19	8	5	10	3	9	0	11	7	12	12	10	0	0	0	0	0	0	0	8	0
May	8.5	E.	50	SW.	2	9	7	17	8	5	4	5	5	2	11	10	10	10	6	0	0	0	0	0	0	0	8	0
June	7.6	E.	43	SW.	1	4	5	23	8	10	2	4	4	0	17	10	3	7	7	0	0	0	0	0	12	0	7	0
July	6.6	E.	30	SW.	0	6	7	25	3	13	4	1	3	0	12	12	7	11	8	0	0	0	0	0	22	0	9	0
August	6.1	E.	37	W.	0	6	7	32	4	3	2	1	7	0	13	7	11	13	8	0	0	0	2	0	16	0	9	0
September	5.9	E.	45	W.	1	3	8	29	8	1	3	0	7	1	10	15	5	8	5	0	0	0	2	0	4	0	3	0
October	8.8	E.	39	NW.	0	7	1	18	8	4	9	4	10	1	20	8	3	4	2	0	0	0	1	0	2	6	2	0
November	7.2	E.	32	NW.	0	4	7	18	2	5	10	4	10	0	18	3	9	7	7	0	0	0	2	0	0	5	1	0
December	8.4	E.	31	W.	0	5	4	28	4	5	3	2	11	0	11	8	12	1	1	3	1	0	1	10	0	18	0	0
Year	8.3	E.	56	W.	8	61	55	276	64	67	71	36	96	4	166	91	108	92	70	6	2	0	11	17	56	63	54	0

FORT WAYNE, IND.

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

January	11.0	SW.	45	SW.	1	3	5	4	4	13	22	7	4	0	7	11	13	13	7	11	8	0	2	13	0	28	0	0
February	12.5	SW.	40	W.	1	3	4	3	3	5	23	7	8	0	5	11	12	5	3	12	4	0	1	17	0	28	1	0
March	14.0	SW.	48	SW.	6	5	5	2	6	12	17	8	7	0	6	7	18	13	9	7	5	1	0	5	0	22	6	0
April	10.9	NW.	39	S.	0	5	9	9	3	8	10	4	12	0	6	5	19	10	6	1	0	0	0	0	0	10	2	0
May	11.2	NW.	46	SW.	1	11	6	3	2	4	13	7	16	0	8	10	13	12	10	0	0	1	0	0	0	0	6	0
June	9.0	SW.	39	W.	0	7	3	6	2	12	17	6	6	1	5	13	12	14	13	0	0	0	0	0	0	0	10	0
July	7.6	SW.	31	SW.	0	6	7	7	1	7	20	8	6	0	9	18	4	11	9	0	0	1	1	0	4	0	12	0
August	7.0	SW.	48	SW.	1	10	8	10	1	5	14	4	10	0	14	13	4	10	6	0	0	0	1	0	3	0	4	0
September	7.0	NE.	33	NW.	0	7	19	7	7	7	7	3	3	0	18	10	2	5	5	0	0	0	1	0	0	0	3	0
October	8.9	SW.	37	SW.	0	5	2	4	7	19	10	9	6	0	1	14	16	17	14	5	4	0	0	1	0	8	4	0
November	6.7	SW.	28	NW.	0	7	5	13	3	2	19	8	3	0	12	7	11	5	3	6	1	0	0	6	2	0	12	0
December	8.8	SW.	31	NW.	0	14	7	6	6	6	14	5	3	1	8	10	13	10	5	12	9	0	5	18	0	26	0	0
Year	9.6	SW.	48	SW.	10	83	80	74	45	100	186	76	84	2	99	129	137	125	90	54	31	3	17	56	7	134	48	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

FORT WORTH, TEX.

[ϕ=32° 43′ N.; λ=97° 15′ 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	29.880	28.900	43.2	52.2	59.2	37.9	48.6	85	19	33	32	69	49	0.219	0.200	1.43	0.82	5.8	5.2	5.9
February	29.383	30.050	28.940	41.2	55.6	61.8	38.0	49.9	93	12	26	32	56	47	.158	.197	1.47	.50	4.6	5.3	4.8
March	29.309	29.820	28.902	49.9	64.9	69.4	47.2	58.3	86	26	39	38	69	42	.281	.274	2.42	1.51	4.6	4.0	4.6
April	29.209	29.570	28.907	55.0	70.4	74.4	53.2	63.8	88	39	46	48	72	48	.331	.360	4.11	1.67	5.2	3.9	4.4
May	29.206	29.530	28.838	59.0	74.2	76.5	57.2	66.8	92	44	52	52	78	48	.402	.402	3.92	1.02	5.6	4.5	4.6
June	29.256	29.590	28.958	70.4	89.2	91.8	69.5	80.6	100	58	60	55	71	35	.539	.465	1.97	1.76	4.3	4.1	3.9
July	29.229	29.430	29.070	75.5	92.2	95.2	74.1	84.6	107	68	66	61	73	39	.636	.561	2.65	1.46	4.1	2.9	4.0
August	29.249	29.400	29.010	74.6	90.0	94.9	73.5	84.2	102	61	66	62	74	42	.640	.575	1.92	.79	4.3	3.0	3.6
September	29.313	29.500	29.130	66.4	80.2	85.8	65.8	75.8	94	53	61	62	84	56	.552	.573	2.41	1.43	3.7	3.4	3.4
October	29.334	29.850	28.860	51.8	70.2	78.0	49.9	64.0	97	24	44	45	76	42	.317	.331	.17	.17	2.6	1.1	1.7
November	29.474	29.800	29.140	47.9	63.4	69.6	45.3	57.4	83	33	39	41	73	47	.246	.270	1.35	1.26	2.5	2.0	2.5
December	29.462	29.970	28.890	35.5	43.5	51.4	31.7	41.6	79	12	30	32	79	65	.186	.208	.05	.02	4.4	3.8	4.6
Year	29.315	30.050	28.838	55.9	70.5	75.7	53.6	64.6	107	12	47	47	73	47	.376	.368	23.87	1.76	4.3	3.6	4.0

FRESNO, CAL.

[ϕ=36° 43′ N.; λ=119° 49′ W.]

January	29.809	30.070	29.446	37.7	48.7	50.6	34.9	42.8	65	25	34	36	86	64	0.199	0.213	1.40	1.01	4.1	3.7	5.0
February	29.776	30.130	29.255	43.6	59.4	61.8	41.0	51.4	73	29	38	38	79	48	.229	.235	1.07	.40	3.7	4.2	4.0
March	29.806	30.150	29.520	41.6	61.5	63.4	39.2	51.3	81	32	36	36	81	38	.213	.211	.56	.41	2.2	2.0	2.5
April	29.650	30.000	29.280	47.9	70.5	72.6	46.0	59.3	87	38	42	37	79	32	.266	.292	.21	.16	2.3	2.1	2.5
May	29.584	29.870	29.230	50.1	73.9	75.5	49.2	62.4	85	43	41	37	72	28	.258	.229	.18	.18	2.4	2.6	2.7
June	29.564	29.800	29.340	61.2	93.0	94.0	60.1	77.0	108	49	40	34	48	14	.254	.201	0	0	0.0	0.0	0.1
July	29.465	29.680	29.280	70.7	101.2	102.4	69.5	86.0	109	60	44	40	41	13	.298	.257	T.	T.	1.5	1.4	1.2
August	29.532	29.720	29.330	66.2	96.7	98.2	64.1	81.2	104	58	48	43	54	17	.344	.284	T.	T.	1.0	0.6	0.9
September	29.564	29.770	29.330	61.9	89.3	91.3	59.5	75.4	102	52	46	42	58	21	.310	.276	T.	T.	1.5	1.2	1.3
October	29.629	29.850	29.365	56.2	81.9	84.7	53.9	69.3	99	42	41	41	58	25	.265	.268	0	0	0.6	0.9	1.0
November	29.794	30.030	29.570	47.4	65.4	69.0	44.4	56.7	83	38	40	42	77	45	.249	.275	.35	.26	2.0	2.2	2.8
December	29.821	30.010	29.614	42.4	56.5	60.2	39.2	49.7	66	32	36	41	80	59	.220	.264	.14	.10	1.7	1.8	4.0
Year	29.666	30.150	29.230	52.2	74.8	77.0	50.1	63.5	109	25	40	39	68	34	.259	.245	3.91	1.01	1.9	1.9	2.3

GALVESTON, TEX.

[ϕ=29° 18′ N.; λ=94° 50′ W.]

January	30.060	30.400	29.650	54.2	56.5	61.6	51.5	56.6	74	32	50	52	88	86	0.396	0.415	2.21	1.79	5.5	4.9	6.6
February	30.082	30.780	29.730	53.8	58.1	63.5	50.9	57.2	73	26	50	53	89	85	.404	.440	2.51	1.81	5.5	3.8	5.1
March	30.023	30.450	29.760	60.8	63.4	67.7	58.9	63.3	76	38	54	56	86	78	.458	.479	.91	.51	7.1	6.9	5.8
April	29.918	30.190	29.690	65.1	68.4	72.5	63.0	67.8	83	51	58	59	80	73	.520	.520	1.45	.77	2.9	4.8	3.7
May	29.900	30.190	29.660	68.9	72.3	75.9	67.3	71.6	84	53	62	64	79	77	.576	.619	3.47	1.33	5.3	4.5	4.3
June	29.982	30.173	29.790	78.1	80.2	84.2	76.4	80.3	89	68	71	70	79	73	.764	.755	.65	.65	2.3	3.1	1.9
July	29.962	30.120	29.740	80.9	82.7	87.3	79.3	83.3	93	73	75	74	82	74	.861	.830	.46	.26	3.3	4.2	3.1
August	29.944	30.090	29.740	80.5	83.9	88.0	79.0	83.5	92	70	73	73	78	71	.810	.816	2.71	1.76	3.1	4.5	3.3
September	29.947	30.090	29.810	75.7	80.3	84.4	74.3	79.4	92	67	69	67	80	66	.712	.678	3.60	1.53	3.0	3.6	3.0
October	30.016	30.340	29.660	65.7	69.9	74.5	62.6	68.6	87	41	56	55	74	63	.501	.491	1.49	.94	2.9	1.7	2.1
November	30.166	30.450	29.850	58.0	63.5	68.4	56.8	62.6	76	47	52	51	80	67	.394	.392	.97	.60	1.5	1.3	1.6
December	30.123	30.530	29.543	50.4	54.3	58.4	47.1	52.8	73	26	47	48	87	80	.348	.367	1.00	.63	6.3	4.7	6.2
Year	30.010	30.780	29.543	66.0	69.5	73.9	63.9	68.9	93	26	60	60	81	74	.562	.567	21.43	1.81	4.1	4.0	3.9

GRAND HAVEN, MICH.

[ϕ=43° 5′ N.; λ=86° 13′ W.]

January	29.285	30.100	28.460	21.7	23.7	29.3	17.5	23.4	42	2	16	16	79	72	0.098	0.097	1.35	0.50	7.9	6.3	7.3
February	29.314	29.994	28.640	15.0	18.3	24.4	9.4	16.9	14	−16	11	13	81	77	.073	.081	1.54	.39	8.3	6.4	6.8
March	29.289	29.820	28.650	29.5	33.9	40.3	25.8	33.0	62	4	24	26	80	71	.140	.143	1.24	.50	6.5	6.6	5.7
April	29.311	29.630	28.660	36.9	42.5	48.0	33.3	40.6	72	21	31	32	78	68	.179	.199	4.40	1.10	6.5	5.9	5.4
May	29.246	29.540	28.580	46.2	50.3	55.7	41.1	48.4	76	34	38	40	74	70	.237	.258	4.23	1.67	5.3	5.2	4.8
June	29.282	29.610	28.820	56.8	60.1	66.8	50.3	58.6	81	38	51	50	82	72	.385	.375	4.04	1.01	6.6	4.7	5.6
July	29.255	29.485	28.960	64.8	69.9	75.4	60.6	68.0	92	48	59	60	83	72	.517	.533	2.62	1.20	4.8	3.9	3.4
August	29.317	29.540	28.847	62.6	67.5	73.7	57.5	65.6	83	46	56	56	81	69	.467	.459	.55	.20	4.1	3.9	3.8
September	29.444	29.820	29.060	54.1	60.4	67.3	49.9	58.6	83	35	49	51	84	72	.356	.384	2.74	1.65	4.6	3.5	4.1
October	29.285	29.640	28.700	41.3	43.6	48.2	36.4	42.3	62	28	35	34	79	70	.212	.205	4.48	.80	8.4	6.8	7.8
November	29.480	29.970	28.548	33.1	38.5	44.4	29.9	37.2	59	17	29	31	85	74	.163	.179	1.30	.69	6.1	5.1	5.2
December	29.511	30.020	28.920	19.1	22.2	26.9	14.8	20.8	42	−9	14	15	80	72	.091	.095	1.13	.24	8.5	7.9	8.1
Year	29.335	30.100	28.460	40.1	44.2	50.0	35.5	42.8	92	−16	34	35	80	72	.243	.251	29.62	1.67	6.5	5.5	5.7

Annual meteorological summary for the year ending December 31, 1917—Continued.

FORT WORTH, TEXAS.

[H=670 ft.; h_t=106 ft.; h_r=51 ft.; h_a=114 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	11.3	S.	36	NW.	0	6	6	1	5	13	17	3	11	0	8	11	12	5	3	2	2	0	2	3	0	10	1	0
February	10.7	NW.	38	N.	0	4	7	3	9	10	8	5	9	1	14	3	11	6	5	0	0	1	2	1	2	6	3	0
March	14.3	S.	45	S.	1	6	1	3	16	17	4	3	12	0	14	6	11	6	5	2	2	2	0	0	0	3	6	0
April	14.3	SE.	40	S.	1	7	2	7	19	8	4	2	11	0	12	11	7	7	7	0	0	0	0	0	0	0	7	0
May	11.5	SE.	40	SW.	2	7	8	10	14	10	2	1	9	1	13	10	8	9	8	0	0	1	0	0	3	0	6	0
June	10.3	S.	34	S.	0	5	1	5	10	32	2	0	4	1	16	10	4	3	3	0	0	0	0	0	21	0	4	0
July	10.2	S.	35	S.	0	4	8	2	17	26	3	1	0	1	15	10	6	5	3	0	0	0	1	0	27	0	7	0
August	8.6	SE.	33	SE.	0	6	9	11	15	17	0	0	4	0	15	14	2	3	3	0	0	0	0	0	27	0	6	0
September	7.7	SE.	52	N.	1	11	13	9	19	5	0	0	2	1	17	10	3	6	5	0	0	0	0	0	5	0	6	0
October	11.7	S.	45	NW.	1	7	3	2	18	12	7	2	11	0	24	7	0	1	1	0	0	0	0	0	4	1	0	0
November	8.8	SE.	40	NW.	1	1	2	3	19	6	6	10	13	0	22	4	4	3	3	0	0	0	0	0	0	0	3	0
December	10.2	NW.	49	NW.	1	15	7	6	8	9	2	2	13	0	14	7	10	3	0	0	0	0	6	3	0	15	0	0
Year	10.8	SE.	52	N.	8	79	67	62	169	165	55	29	99	5	184	103	78	57	46	4	4	4	11	7	89	35	49	0

FRESNO, CAL.

[H=330 ft.; h_t=89 ft.; h_r=82 ft.; h_a=98 ft.]

January	4.6	NW.	24	NW.	0	8	3	14	4	4	5	3	18	3	12	9	10	4	3	2	0	0	7	0	0	6	0	0
February	6.7	NW.	28	NW.	0	7	0	15	11	3	3	1	16	0	15	6	7	9	6	0	0	1	2	0	0	1	0	0
March	7.8	NW.	34	NW.	0	3	4	4	2	0	3	3	43	0	22	8	1	4	2	0	0	1	0	0	0	1	0	0
April	8.8	NW.	30	NW.	0	4	1	7	1	1	0	3	41	2	20	9	1	3	2	0	0	0	0	0	0	0	1	0
May	10.0	NW.	34	NW.	0	2	0	2	1	1	2	1	53	0	22	8	1	2	2	0	0	0	0	0	0	0	0	0
June	9.9	NW.	31	NW.	0	4	1	0	1	0	0	5	48	1	30	0	0	0	0	0	0	0	0	0	21	0	0	0
July	8.6	NW.	27	NW.	0	3	0	0	1	1	0	6	48	3	27	4	0	0	0	0	0	0	0	0	31	0	1	0
August	7.7	NW.	24	NW.	0	3	0	0	1	0	5	5	47	1	29	1	1	0	0	0	0	0	0	0	31	0	0	0
September	7.5	NW.	30	NW.	0	3	1	8	0	1	0	6	40	1	25	5	0	0	0	0	0	0	0	0	19	0	0	0
October	5.1	NW.	19	NW.	0	5	1	10	1	1	2	8	32	2	27	4	0	0	0	0	0	0	0	0	8	1	0	0
November	4.5	NW.	27	NW.	0	2	2	13	10	2	3	3	23	2	20	7	3	3	2	0	0	0	3	0	0	0	0	0
December	3.7	NW.	26	NW.	0	6	5	14	2	1	2	10	21	1	18	6	7	3	2	0	0	0	9	0	0	0	0	0
Year	7.1	NW.	34	NW.	0	50	18	87	35	15	25	54	430	16	267	67	31	28	19	2	0	2	21	0	110	8	3	0

GALVESTON, TEX.

[H=54 ft.; h_t=106 ft.; h_r=98 ft.; h_a=114 ft.]

January	12.2	S.	33	N.	0	15	8	3	13	12	7	1	3	0	6	11	14	8	3	1	0	0	10	0	0	1	2	0
February	11.9	S.	44	N.	1	9	2	5	12	18	5	3	2	0	11	7	10	8	4	0	0	0	6	0	0	3	3	0
March	14.1	SE.	42	NW.	1	12	7	7	22	14	0	0	0	0	7	16	8	8	3	0	0	0	2	0	0	0	1	0
April	14.1	SE.	35	SW.	0	6	4	2	24	15	1	0	8	0	16	8	6	9	2	0	0	0	0	0	0	0	5	0
May	14.1	S.	42	SE.	1	4	8	7	17	22	2	0	2	0	14	10	7	6	5	0	0	0	0	0	0	0	5	0
June	12.3	S.	30	SE.	0	0	3	0	17	34	3	0	2	1	25	5	0	1	1	0	0	0	0	0	0	0	1	0
July	11.0	S.	26	SW.	0	1	1	0	3	37	18	1	0	1	17	13	1	3	3	0	0	0	0	0	1	0	4	0
August	10.0	S.	24	N.	0	1	2	0	7	29	15	7	1	0	20	6	5	7	5	0	0	0	0	0	2	0	5	0
September	9.3	SE.	28	N.	0	10	12	7	16	13	0	1	1	0	20	5	5	8	6	0	0	0	0	0	1	0	7	0
October	11.5	S.	40	N.	1	12	7	7	14	13	2	3	3	1	24	3	4	5	3	0	0	0	0	0	0	0	1	0
November	9.1	SE.	33	NW.	0	5	12	4	15	9	6	3	6	0	25	4	1	3	3	0	0	0	1	0	0	0	1	0
December	11.8	N.	49	NW.	2	22	11	5	7	12	2	1	2	0	7	9	15	8	5	0	0	0	3	0	0	4	0	0
Year	11.8	S.	49	NW.	6	97	77	47	167	228	61	20	30	3	192	97	76	74	43	1	0	0	22	0	4	8	35	0

GRAND HAVEN, MICH.

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

January	14.5	W.	47	SW.	5	6	3	9	8	2	9	19	6	0	5	7	19	15	9	14	10	0	1	16	0	28	0	0
February	13.9	W.	39	W.	0	12	0	4	6	4	5	15	10	0	3	12	13	17	12	18	15	0	0	21	0	28	0	0
March	14.9	W.	46	W.	2	6	2	4	10	8	8	17	7	0	10	8	13	12	8	10	5	0	1	7	0	27	4	0
April	13.1	N.	35	N.	0	16	7	8	4	7	5	6	7	0	7	14	9	12	10	4	1	0	0	0	0	12	3	0
May	12.7	W.	53	W.	1	17	6	6	3	1	4	15	9	1	15	7	9	11	10	2	0	1	0	0	0	0	3	0
June	11.1	S.	39	MW.	0	3	4	5	7	13	9	12	7	0	8	12	10	15	11	0	0	0	3	0	0	0	11	0
July	9.9	W.	37	SW.	0	7	4	9	1	14	11	10	6	0	18	7	6	8	5	0	0	0	0	0	1	0	3	0
August	9.0	W.	31	W.	0	7	3	5	7	12	4	13	11	0	17	8	6	6	4	0	0	0	2	0	0	0	2	1
September	8.7	NW.	31	S.	0	9	7	9	5	12	6	7	11	0	15	9	6	8	6	0	0	0	2	0	0	0	2	0
October	13.2	W.	48	SW.	1	12	3	8	6	7	5	14	7	0	4	4	23	22	20	7	6	0	0	1	0	6	0	0
November	9.6	N.	33	NW.	0	10	6	10	8	2	11	6	7	0	12	7	11	8	7	7	3	0	2	2	0	19	0	0
December	12.6	SE.	44	W.	1	12	5	8	18	4	4	5	6	0	3	6	22	18	9	21	16	0	0	20	0	29	0	0
Year	11.9	W.	53	W.	10	117	50	85	83	86	75	139	94	1	117	101	147	152	111	83	56	1	11	67	1	149	28	1

Annual meteorological summary for the year ending December 31, 1917—Continued.

GRAND JUNCTION, COLO.

[ϕ=39° 04′ N.; λ=108° 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	25.461	25.820	24.820	7.4	19.5	25.7	2.6	14.2	37	−14	6	14	94	79	0.056	0.081	0.73	0.17	4.5	5.5	5.1
February	25.437	25.980	24.890	18.7	33.1	37.9	14.2	26.0	60	−15	14	20	83	59	.088	.110	.10	.08	4.2	5.3	4.5
March	25.369	25.800	24.870	27.7	44.1	47.4	24.9	36.2	72	14	17	15	64	32	.093	.086	.32	.16	4.6	3.8	4.0
April	25.287	25.760	24.730	39.1	55.4	58.9	35.7	47.3	77	22	26	23	59	33	.139	.130	1.59	.67	5.3	5.8	5.6
May	25.259	25.560	24.920	46.8	61.4	65.7	44.5	55.1	82	32	36	32	68	38	.216	.188	1.45	.43	5.9	6.4	6.1
June	25.386	25.810	24.930	67.5	83.8	85.6	54.9	70.2	98	42	34	27	42	13	.192	.146	.01	.01	1.4	1.8	1.4
July	25.386	25.570	25.184	68.0	89.6	93.7	66.0	79.8	99	55	46	43	46	22	.320	.287	.28	.26	2.7	4.7	3.0
August	25.442	25.580	25.269	62.7	84.2	87.8	61.3	74.6	98	55	45	39	55	23	.308	.248	.38	.24	2.6	3.5	2.9
September	25.455	25.620	25.220	56.1	75.4	79.6	53.8	66.7	90	39	39	39	56	30	.250	.251	1.00	.65	2.6	3.3	3.0
October	25.472	25.760	25.020	40.8	62.2	67.9	37.5	52.7	83	16	24	23	51	22	.136	.128	T.	T.	1.0	2.7	1.7
November	25.558	25.880	25.256	36.4	50.8	57.2	32.0	44.6	73	22	22	23	57	34	.117	.120	.02	.02	2.6	3.3	3.5
December	25.507	25.810	25.130	25.1	40.2	46.1	21.8	34.0	57	14	18	22	75	49	.099	.117	.12	.07	2.9	4.5	4.9
Year	25.418	25.980	24.730	40.5	58.3	62.8	37.4	50.1	99	−15	27	27	62	36	.168	.158	6.00	.67	3.4	4.2	3.8

GRAND RAPIDS, MICH.

[ϕ=42° 58′ N.; λ=85° 40′ W.]

January	29.204	30.057	28.420	20.9	23.5	29.4	16.1	22.8	42	− 2	17	18	83	77	0.100	0.102	1.40	0.34	7.8	6.4	7.1
February	29.229	29.950	28.580	15.1	18.3	25.1	9.6	17.4	45	−12	10	12	81	74	.075	.080	.67	.29	7.7	6.0	6.3
March	29.212	29.740	28.550	30.9	36.4	42.9	27.2	35.0	71	6	25	27	78	69	.144	.155	1.87	.48	6.9	7.0	6.0
April	29.230	29.600	28.500	38.5	45.7	51.6	34.6	43.1	76	22	31	34	73	63	.181	.207	4.03	.93	6.4	6.1	6.4
May	29.160	29.450	28.460	46.8	55.3	61.0	42.4	51.7	83	33	38	38	71	56	.233	.245	4.48	1.81	5.1	5.9	5.8
June	29.213	29.520	28.760	59.3	65.8	72.4	52.9	62.6	85	39	54	54	82	68	.424	.433	3.44	.71	7.5	5.6	6.8
July	29.180	29.411	28.890	67.1	74.8	80.6	62.5	71.6	98	49	61	62	82	66	.547	.578	6.91	2.46	4.6	4.6	4.6
August	29.242	29.463	28.760	62.4	71.4	78.9	58.2	68.6	88	47	55	56	77	60	.443	.456	.46	.20	4.7	4.6	4.6
September	29.367	29.740	28.970	53.6	62.6	70.4	50.2	60.3	82	36	48	52	82	69	.342	.395	3.59	2.37	3.9	3.8	4.4
October	29.209	29.560	28.650	40.4	43.9	49.1	36.7	42.9	70	28	35	35	83	71	.213	.207	4.57	.99	8.8	6.5	8.5
November	29.401	29.900	28.430	32.8	39.0	45.8	30.6	38.2	65	18	29	32	86	76	.162	.186	1.21	.54	6.1	5.0	5.3
December	29.438	29.950	28.820	18.6	22.2	26.9	15.3	21.1	46	− 7	14	16	82	76	.098	.098	.82	.20	7.9	7.6	7.8
Year	29.257	30.057	28.420	40.5	46.6	52.8	36.4	44.6	98	−12	35	36	80	69	.246	.262	33.45	2.46	6.4	5.8	6.1

GREEN BAY, WIS.

[ϕ=44° 31′ N.; λ=88° 0′ W.]

January	29.296	30.210	28.626	7.9	13.6	20.0	2.5	11.2	41	−17	4	7	81	73	0.058	0.066	1.96	0.84	5.5	5.2	5.6
February	29.331	29.971	28.440	2.7	11.6	17.4	−1.2	8.1	41	−18	−2	3	79	66	.045	.054	.50	.30	5.9	5.3	5.7
March	29.274	29.910	28.570	24.6	31.8	35.7	22.3	29.0	51	−16	20	24	79	71	.117	.132	2.45	.96	7.3	6.5	6.7
April	29.346	29.670	28.800	34.3	41.0	47.0	31.9	39.4	69	22	29	32	80	70	.163	.183	2.32	.90	6.1	7.1	7.0
May	29.289	29.600	28.790	44.6	54.4	59.3	41.2	50.2	82	30	37	43	74	66	.225	.284	1.12	.37	5.6	6.4	6.5
June	29.265	29.550	28.640	55.9	64.1	68.3	52.8	60.6	82	44	50	54	81	71	.371	.426	4.92	.94	6.6	6.6	6.6
July	29.248	29.477	28.930	65.0	74.2	79.1	61.1	70.1	96	50	59	63	82	68	.517	.568	1.52	.37	4.9	5.5	5.7
August	29.314	29.590	28.800	59.8	68.4	73.6	55.7	64.6	86	40	55	56	84	66	.438	.457	2.07	.69	5.8	5.5	5.6
September	29.447	29.890	29.045	51.6	60.3	67.3	49.1	58.2	80	36	48	50	87	70	.339	.371	1.95	.84	5.5	5.6	6.2
October	29.289	29.730	28.600	36.2	40.0	46.4	33.4	39.9	71	18	31	33	82	76	.182	.190	2.38	.60	8.3	7.6	8.6
November	29.497	29.993	28.980	31.6	37.5	42.6	29.5	36.0	64	16	28	30	85	74	.154	.172	.70	.67	6.5	6.7	7.5
December	29.523	30.140	28.880	12.8	17.2	21.9	8.5	15.2	39	−14	8	9	77	69	.073	.076	.38	.08	7.5	7.4	7.5
Year	29.343	30.210	28.440	35.6	42.8	48.2	32.2	40.2	96	−18	31	34	81	70	.224	.250	22.27	.96	6.3	6.3	6.6

GREENVILLE, S. C.

[ϕ=34° 50′ N.; λ=82° 24′ W.]

September	28.990	29.212	28.701																5.7	4.3	5.1
October	28.964	29.240	28.550	47.8	57.4	66.5	43.5	55.0	81	28	41	46	79	55	0.278	0.325	1.98	0.82	2.2	2.1	2.5
November	29.032	29.457	28.330	44.1	51.6	58.6	41.4	50.0	73	26	34	37	68	59	.201	.226	.59	.39	3.8	3.3	3.7
December	29.079	29.440	28.350	38.6	35.1	42.3	25.2	33.8	68	3	22	26	76	68	.131	.151	1.00	.38	5.1	3.1	4.6

Annual meteorological summary for the year ending December 31, 1917—Continued.

GRAND JUNCTION, COLO.

[H=4,602 ft.; h_t=82 ft.; h_r=74 ft.; h_a=96 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	4.1	NW.	24	NW.	0	5	2	4	7	1	0	6	37	0	12	11	8	13	7	14	13	0	1	26	0	31	0	0
February	5.4	NW.	31	SW.	0	3	1	3	8	0	3	13	25	0	14	7	7	4	1	5	4	0	0	5	0	23	0	0
March	8.7	NW.	42	W.	1	7	4	10	11	4	4	5	17	0	16	8	7	7	2	8	6	0	0	1	0	29	0	0
April	9.0	SE.	37	W.	0	5	2	4	20	2	3	8	16	0	11	7	12	7	7	6	3	0	0	0	0	9	2	0
May	7.6	SE.	35	SE.	0	2	6	6	18	2	5	6	17	0	7	9	15	17	10	1	1	0	0	0	0	0	7	0
June	8.0	NW.	35	NW.	0	5	4	6	21	0	5	7	11	1	26	4	0	1	0	0	0	0	0	0	13	0	0	0
July	7.8	SE.	42	SE.	1	3	2	7	30	0	2	4	14	0	20	10	1	2	2	0	0	0	0	0	27	0	15	0
August	7.5	SE.	54	NW.	1	8	2	10	25	4	1	3	9	0	23	5	3	6	2	0	0	0	0	0	13	0	6	0
September	7.4	SE.	44	W.	1	8	1	5	27	1	1	3	14	0	20	5	5	9	4	0	0	0	0	0	2	0	7	0
October	6.7	SE.	34	NW.	0	7	3	5	15	2	4	8	18	0	25	5	1	0	0	0	0	0	0	0	0	11	0	0
November	6.4	SE.	29	S.	0	4	0	6	20	4	3	14	9	0	16	10	4	1	0	0	0	0	0	0	0	16	0	0
December	4.3	NW.	26	W.	0	0	1	7	9	6	9	16	13	1	12	13	6	3	2	1	1	0	3	0	0	30	0	0
																												0
Year	6.9	SE.	54	NW.	4	57	28	73	211	26	40	93	200	2	202	94	69	70	37	35	28	0	4	32	55	149	37	0

GRAND RAPIDS, MICH.

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

January	7.6	W.	27	W.	0	0	10	4	6	5	14	16	7	0	2	15	14	14	10	16	12	0	1	18	0	31	0	0
February	7.9	NW.	26	NW.	0	0	2	4	6	3	9	19	20	2	5	11	12	15	5	22	14	0	0	19	0	28	1	0
March	9.4	W.	32	W.	0	0	2	5	10	9	8	20	8	0	7	13	11	13	11	12	5	1	1	4	0	23	5	0
April	7.5	NW.	28	NW.	0	2	13	8	10	3	8	7	9	0	5	14	11	14	11	4	2	0	0	0	0	11	5	0
May	7.7	NE.	34	W.	0	3	13	6	7	3	5	12	13	0	6	14	11	9	7	3	1	2	0	0	0	0	4	0
June	6.4	W.	23	NW.	0	2	6	6	9	6	10	15	6	0	5	13	12	15	10	0	0	1	0	0	0	0	11	0
July	5.3	SW.	23	NW.	0	2	11	7	4	3	15	13	7	0	12	11	8	11	9	0	0	1	1	0	4	0	9	0
August	5.3	W.	20	W.	0	3	4	6	7	5	8	13	14	2	10	15	6	7	4	0	0	0	2	0	0	0	3	1
September	4.6	E.	27	W.	0	1	10	11	9	8	2	6	11	2	14	7	9	7	7	0	0	1	0	0	0	0	4	0
October	6.5	W.	26	W.	0	3	3	4	10	10	7	11	12	2	1	7	23	21	20	6	4	0	0	2	0	6	1	0
November	4.7	NW.	19	NW.	0	0	8	5	11	3	11	5	12	5	11	8	11	8	6	6	4	0	1	2	0	18	0	0
December	6.4	SE.	27	NW.	0	4	5	5	16	5	6	7	14	0	2	8	21	16	7	16	12	0	2	20	0	29	0	0
Year	6.6	W.	34	W.	0	20	87	71	105	63	103	135	133	13	80	136	149	150	107	85	54	6	8	65	4	146	43	1

GREEN BAY, WIS.

[H=617 ft.; h_t=109 ft.; h_r=101 ft.; h_a=144 ft.]

January	12.5	SW.	56	N.	2	4	8	2	3	6	32	3	4	0	12	9	10	6	6	8	6	0	0	24	0	31	0	0
February	12.5	SW.	46	SW.	2	4	3	0	3	7	20	11	8	0	9	10	9	6	3	11	6	0	0	25	0	28	0	1
March	13.1	S.	44	SW.	2	6	7	4	7	11	10	10	7	0	5	13	13	9	7	11	7	0	0	9	0	27	3	0
April	12.1	NE.	38	S.	0	15	19	3	6	2	5	4	6	0	4	10	16	11	8	6	5	0	2	0	0	15	2	0
May	12.6	NE.	48	NE.	1	16	15	3	8	3	5	5	7	0	5	15	11	7	6	0	0	0	0	0	0	1	1	0
June	11.7	S.	48	N.	1	5	5	5	6	11	14	9	5	0	6	13	11	13	10	0	0	1	0	0	0	0	6	1
July	9.6	SW.	40	SW.	1	10	5	3	12	6	19	4	3	0	7	18	6	10	7	0	0	0	0	0	4	0	7	0
August	10.1	SW.	28	W.	0	4	6	3	8	6	18	8	7	2	11	10	10	9	7	0	0	0	1	0	0	0	4	0
September	9.6	S.	35	NW.	0	4	8	4	11	12	10	6	5	0	9	9	12	11	7	0	0	0	2	0	0	0	2	0
October	12.2	SW.	38	NE.	0	6	3	7	8	7	9	14	8	0	1	5	25	16	12	8	4	0	0	2	0	13	1	0
November	10.7	SW.	48	N.	1	12	4	2	3	10	19	3	7	0	4	8	18	3	1	4	2	0	4	4	0	19	0	0
December	11.6	NW.	36	NW.	0	4	2	1	1	16	9	12	17	0	6	6	19	9	6	12	8	0	1	22	0	31	0	0
Year	11.5	SW.	56	N.	10	90	85	37	76	97	170	89	84	2	79	126	160	110	80	60	38	1	10	86	4	165	26	2

GREENVILLE, S. C.

[H=1,039 ft.; h_t=113 ft.; h_r=102 ft.; h_a=122 ft.]

September	.....	.....	...	.....	...	...	...	...	...	...	...	...	...	...	12	9	9	...	...	...	...	...	0	...	...	...	8	0
October	.....	NE.	...	.....	...	8	14	10	6	3	8	8	4	1	21	6	4	6	5	0	0	1	1	0	0	2	2	0
November	7.1	NE.	26	W.	0	13	16	4	2	3	7	5	10	0	17	4	9	3	3	0	0	0	1	0	0	3	1	0
December	9.2	NE.	40	SW.	1	4	28	8	2	2	5	9	3	1	12	11	8	9	5	6	5	0	1	9	0	23	0	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

HANNIBAL, MO.

[ϕ=39° 41′ N.; λ=91° 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	29.473	30.280	28.680	24.2	.....	38.9	18.5	28.7	62	4	19	....	78	....	0.112	.....	0.88	0.54	3.9	.....	4.4
February	29.530	30.130	28.890	19.6	.....	36.8	14.3	25.6	66	−16	13	....	74	....	.088	.....	.10	.04	6.1	.....	4.8
March	29.444	29.990	28.920	35.6	.....	53.8	32.1	43.0	80	8	27	....	72	....	.159	.....	3.05	2.85	4.3	.....	4.7
April	29.397	29.670	28.920	44.6	.....	59.1	41.1	50.1	84	29	38	....	77	....	.244	.....	6.38	2.13	6.8	.....	6.4
May	29.389	29.710	28.820	53.1	.....	68.4	48.8	58.6	88	36	45	....	76	....	.320	.....	3.82	1.09	4.7	.....	4.7
June	29.402	29.740	28.930	65.3	.....	80.0	60.7	70.4	92	43	58	....	79	....	.503	.....	3.75	1.97	4.1	.....	3.8
July	29.370	29.520	29.110	70.9	.....	87.8	66.7	77.2	102	54	64	....	80	....	.607	.....	1.71	.70	2.2	.....	3.7
August	29.441	29.640	29.200	65.1	.....	82.7	61.5	72.1	95	50	59	....	82	....	.514	.....	1.87	.79	4.7	.....	4.5
September	29.524	29.900	29.220	58.2	.....	77.4	55.5	66.4	91	40	54	....	86	....	.432	.....	2.43	1.01	4.8	.....	3.6
October	29.438	29.890	28.810	40.6	.....	58.6	37.2	47.9	84	22	33	....	74	....	.198	.....	.94	.42	4.2	.....	4.6
November	29.622	29.970	29.020	37.3	.....	54.1	34.9	44.6	75	13	31	....	78	....	.177	.....	.08	.06	4.7	.....	5.1
December	29.680	30.320	29.100	17.7	.....	30.4	14.2	22.3	66	−11	13	....	81	....	.102	.....	.55	.23	5.6	.....	5.7
Year	29.473	30.320	28.680	44.4	.....	60.7	40.5	50.6	102	−16	38	....	78	....	.288	.....	26.47	2.85	4.7	.....	4.7

HARRISBURG, PA.

[ϕ=40° 16′ N.; λ=76° 52′ W.]

January	29.644	30.410	28.920	27.5	31.8	37.6	23.4	30.5	52	11	21	22	75	66	0.117	0.121	4.20	1.47	7.2	4.3	5.6
February	29.597	30.190	28.820	23.7	30.1	35.9	20.4	28.2	57	1	16	17	72	57	.105	.106	2.38	1.15	6.2	4.1	5.5
March	29.690	30.140	29.140	35.1	40.7	47.1	31.8	39.4	73	16	27	28	73	61	.153	.154	3.48	.85	6.2	5.7	6.0
April	29.578	30.068	28.810	45.7	53.8	60.5	42.2	51.4	81	28	33	35	61	52	.200	.222	1.65	1.05	5.8	6.0	5.5
May	29.470	29.810	29.150	52.4	58.9	64.4	48.7	56.6	86	39	40	39	64	51	.253	.251	1.95	1.07	6.1	6.0	6.1
June	29.619	29.913	29.370	66.2	71.1	78.9	60.7	69.8	87	51	57	58	74	65	.480	.501	3.17	.66	5.0	6.0	6.0
July	29.585	29.810	29.220	70.3	76.2	82.7	66.7	74.7	100	58	64	64	80	68	.593	.614	3.12	1.17	6.9	6.6	7.0
August	29.631	29.890	29.220	68.9	74.8	83.1	64.6	73.8	96	53	61	62	78	66	.555	.567	6.39	2.85	3.9	5.3	4.8
September	29.740	30.080	29.250	57.0	63.3	70.8	53.0	61.9	87	40	50	51	79	66	.377	.395	4.23	1.56	4.7	3.8	5.3
October	29.665	29.970	28.980	45.0	50.6	58.6	40.8	49.7	71	28	38	39	77	65	.236	.247	5.28	2.03	5.7	3.8	5.4
November	29.736	30.249	28.971	35.7	42.9	48.4	33.9	41.2	65	21	26	29	69	59	.146	.162	.45	.19	3.7	3.4	4.4
December	29.849	30.330	28.850	20.9	25.1	29.2	17.7	23.4	45	−3	15	15	76	65	.090	.095	2.91	1.25	6.7	6.5	6.5
Year	29.650	30.410	28.810	45.7	51.6	58.1	42.0	50.0	100	−3	37	38	73	62	.275	.286	39.21	2.85	5.7	5.1	5.7

HARTFORD, CONN.

[ϕ=41° 46′ N.; λ=72° 40′ W.]

January	29.830	30.590	29.160	24.9	29.1	35.9	20.6	28.2	52	2	17	22	72	74	0.103	0.123	2.90	0.78	6.9	4.5	7.2
February	29.755	30.288	28.720	20.2	25.7	31.3	15.2	23.2	48	−4	14	17	76	68	.096	.104	2.20	.72	6.0	4.2	6.1
March	29.875	30.390	29.310	32.6	37.6	43.8	28.6	36.2	57	13	24	25	71	61	.136	.142	4.12	1.21	6.3	4.3	5.7
April	29.776	30.190	29.090	41.0	45.4	53.8	37.0	45.4	73	26	33	32	73	61	.194	.190	2.47	1.10	6.4	4.7	5.7
May	29.653	30.110	29.360	48.6	52.0	59.1	42.9	51.0	80	34	38	38	69	62	.233	.234	3.66	1.50	5.8	5.8	6.6
June	29.828	30.160	29.560	63.7	68.5	76.4	58.5	67.4	86	51	57	58	81	70	.476	.483	4.02	1.42	6.1	5.5	5.7
July	29.788	30.070	29.500	70.1	73.7	82.4	64.8	73.6	97	57	64	64	81	74	.597	.615	4.07	1.41	6.3	5.3	6.0
August	29.844	30.160	29.440	69.6	72.9	82.5	64.1	73.3	100	56	62	63	78	72	.576	.583	6.92	3.61	3.9	4.8	4.1
September	29.942	30.380	29.350	54.2	61.1	70.1	48.9	59.5	81	36	49	49	84	66	.356	.363	1.27	.82	3.8	3.3	4.9
October	29.882	30.270	29.160	45.9	49.9	58.4	40.8	49.6	70	31	41	42	84	77	.272	.280	5.30	1.71	5.5	4.6	5.0
November	29.888	30.430	29.270	32.5	38.4	45.8	29.1	37.4	64	13	25	26	73	61	.140	.148	1.37	.90	3.5	3.5	3.5
December	30.033	30.620	28.950	17.4	21.8	28.4	13.4	20.9	43	−18	11	12	75	62	.080	.082	3.22	1.40	5.8	5.2	4.6
Year	29.841	30.620	28.720	43.4	48.0	55.7	38.7	47.1	100	−18	36	37	76	67	.272	.279	41.52	3.61	5.5	4.6	5.4

HATTERAS, N. C.

[ϕ=35° 15′ N.; λ=75° 40′ W.]

January	30.074	30.581	29.450	45.9	48.6	54.8	40.7	47.8	64	25	42	45	87	86	0.280	0.310	3.12	1.28	5.4	5.5	6.3
February	30.059	30.554	29.410	40.5	44.0	51.7	36.2	44.0	63	15	35	38	81	79	.234	.255	1.23	.46	4.0	3.5	5.1
March	30.021	30.540	29.690	50.3	49.9	57.4	44.9	51.2	65	34	44	44	79	83	.300	.307	2.39	.74	5.6	3.9	5.1
April	29.969	30.460	29.410	57.9	57.2	66.0	52.4	59.2	80	40	50	51	75	81	.377	.388	2.08	.89	4.2	3.1	4.2
May	29.884	30.240	29.577	63.9	62.5	70.5	58.6	64.6	80	47	54	56	71	79	.431	.457	.85	.57	3.4	4.8	4.4
June	30.072	30.284	29.830	74.4	72.6	79.3	68.5	73.9	85	60	69	68	84	86	.718	.702	8.02	3.80	5.0	5.5	4.8
July	30.020	30.248	29.630	77.9	76.8	83.4	73.5	78.4	91	69	73	74	86	90	.825	.826	3.33	1.05	5.5	7.0	5.5
August	30.003	30.237	29.700	79.2	76.7	83.8	73.7	78.8	89	69	72	72	79	85	.790	.784	2.48	1.53	3.6	4.1	4.1
September	30.042	30.223	29.683	71.5	70.0	76.0	66.9	71.4	87	53	66	65	84	85	.658	.633	14.19	6.74	6.7	4.9	6.6
October	30.073	30.325	29.620	62.3	61.9	69.5	56.8	63.2	78	45	55	56	77	81	.448	.482	1.23	.86	3.7	2.0	3.2
November	30.091	30.630	29.420	49.5	50.3	57.0	45.7	51.4	70	32	45	46	84	84	.304	.314	2.43	1.44	5.3	2.6	5.0
December	30.153	30.563	29.430	38.3	38.9	45.3	35.3	40.3	64	17	36	36	90	90	.216	.221	3.07	1.22	5.5	4.9	6.6
Year	30.038	30.630	29.410	59.3	59.1	66.2	54.4	60.4	91	15	53	54	81	84	.465	.473	44.92	6.74	4.8	4.3	5.1

Annual meteorological summary for the year ending December 31, 1917—Continued.

HANNIBAL, MO.

[H=534 ft.; h_1=74 ft.; h_2=68 ft.; h_3=109 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	10.1	SW.	43	SW.	1	4	2	2	1	2	12	2	6	0	14	11	6	8	4	6	2	0	1	10	0	29	1	0
February	11.1	NW.	38	NW.	0	5	1	4	2	1	3	3	9	0	11	11	6	4	1	7	2	1	0	9	0	28	1	0
March	13.6	SW.	46	SW.	4	4	3	4	1	2	8	6	3	0	12	11	8	11	8	4	1	1	0	1	0	14	6	0
April	12.5	NE.	48	E.	3	0	8	4	0	4	7	2	5	0	6	10	14	16	13	3	2	0	0	0	0	7	6	0
May	9.7	SW.	34	NE.	0	5	1	2	1	2	11	3	6	0	12	10	9	12	10	0	0	2	0	0	0	0	8	0
June	9.8	SW.	39	SW.	0	2	1	3	3	3	12	3	3	0	15	10	5	10	7	0	0	1	0	0	2	0	9	0
July	7.7	SW.	40	S.	1	2	4	3	3	0	16	2	1	0	16	14	1	13	8	0	0	0	0	0	10	0	10	0
August	6.6	SW.	42	SW.	1	5	2	3	2	2	13	1	3	0	13	9	9	10	9	0	0	0	0	0	5	0	6	1
September	7.0	SW.	44	W.	2	3	5	3	2	2	11	1	1	2	17	9	4	8	7	0	0	0	0	0	1	0	3	0
October	10.1	SW.	33	S.	0	1	2	1	2	3	11	3	7	1	12	10	9	10	7	3	2	0	2	0	0	9	2	0
November	7.5	SW.	28	NW.	0	5	4	4	0	0	13	2	2	0	14	2	14	3	1	2	0	0	2	0	0	5	1	0
December	9.4	SW.	31	SW.	0	6	3	6	1	4	5	1	5	0	11	7	13	6	5	11	6	0	1	17	0	25	0	0
Year	9.6	SW.	48	E.	12	42	36	39	18	25	122	29	51	3	153	114	98	111	80	36	15	5	7	37	18	117	53	1

HARRISBURG, PA.

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

January	6.9	NW.	32	W.	0	3	2	7	3	7	6	17	17	0	11	6	14	12	11	10	6	0	1	9	0	26	0	0
February	8.6	NW.	36	SW.	0	4	3	3	4	6	5	7	24	0	8	10	10	11	7	11	7	0	0	9	0	25	2	0
March	8.4	NW.	32	W.	0	3	2	11	5	9	2	10	20	0	10	9	12	14	11	8	6	0	0	0	0	12	0	0
April	8.5	NW.	29	E.	0	8	3	10	4	5	3	6	21	0	10	9	11	9	7	1	1	0	1	0	0	4	2	0
May	8.4	NW.	33	N.	0	6	9	8	3	4	3	8	21	0	7	13	11	8	5	0	0	0	0	0	0	0	2	0
June	5.4	NW.	27	W.	0	2	2	5	7	8	5	15	16	0	4	16	10	15	9	0	0	0	1	0	0	0	9	0
July	5.4	SW.	28	SW.	0	0	1	10	7	13	13	10	8	0	3	11	17	12	10	0	0	0	0	0	2	0	8	0
August	4.9	S.	34	NW.	0	6	3	7	6	14	7	9	10	0	10	14	7	10	9	0	0	1	0	0	4	0	10	0
September	4.7	N.	36	NW.	0	12	9	11	2	7	4	9	6	0	12	8	10	10	10	0	0	0	3	0	0	0	4	0
October	6.4	NW.	36	SW.	0	2	3	6	11	10	5	8	16	1	9	11	11	11	8	1	1	0	1	0	0	2	4	0
November	6.7	NW.	24	NW.	0	15	1	4	5	4	5	10	16	0	16	5	9	6	4	4	1	0	0	1	0	12	0	0
December	7.5	N.	30	W.	0	13	4	13	1	4	9	8	10	0	7	7	17	9	7	11	8	0	1	16	0	29	0	0
Year	6.8	NW.	36	SW.	0	74	42	95	58	91	67	117	185	1	107	119	139	127	98	46	30	1	8	35	6	110	41	0

HARTFORD, CONN.

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

January	7.8	NW.	45	S.	1	5	4	0	2	13	15	6	17	0	8	4	19	13	9	12	10	0	0	10	0	28	1	0
February	8.6	NW.	36	NW.	0	10	1	0	1	12	10	4	18	0	8	9	11	10	8	8	5	0	1	15	0	28	0	0
March	9.0	NW.	34	SW.	0	8	4	0	1	18	8	3	20	0	10	9	12	14	10	9	7	0	0	2	0	19	0	0
April	7.8	NW.	34	NW.	0	6	6	4	1	12	2	2	27	0	7	12	11	11	9	3	3	0	0	0	0	7	1	0
May	8.4	NW.	36	NW.	0	16	6	2	0	10	6	6	16	0	6	10	15	13	9	1	0	2	0	0	0	0	3	0
June	7.2	S.	31	W.	0	4	1	3	3	29	8	0	12	0	10	11	9	16	13	0	0	0	0	0	0	0	7	0
July	6.8	S.	35	W.	0	10	4	2	1	25	15	3	2	0	5	14	12	10	7	0	0	0	0	0	4	0	9	0
August	6.6	S.	30	SW.	0	7	7	4	3	23	10	2	6	0	15	12	4	10	8	0	0	1	0	0	2	0	9	4
September	5.1	N.	21	SW.	0	13	10	1	3	13	3	4	13	0	14	6	10	8	6	0	0	0	2	0	0	0	3	0
October	7.9	S.	29	SW.	0	8	6	4	2	16	12	2	12	0	13	7	11	13	11	0	0	0	1	0	0	1	6	0
November	6.6	NW.	30	NW.	0	12	4	1	1	4	8	4	26	0	18	6	6	5	4	4	1	0	0	4	0	20	0	1
December	8.1	N.	32	SW.	0	19	2	1	3	6	9	0	22	0	14	6	11	7	4	11	4	0	0	15	0	30	0	0
Year	7.5	NW.	45	S.	1	118	55	22	21	181	108	36	191	0	128	106	131	130	98	48	30	3	4	46	6	133	39	5

HATTERAS, N. C.

[H=11 ft.; h_1=12 ft.; h_2=37 ft.; h_3=50 ft.]

January	14.3	SW.	46	NW.	1	10	9	6	4	4	15	9	5	0	8	9	14	15	9	0	0	0	3	0	0	3	1	0
February	18.1	SW.	66	NW.	5	6	5	6	1	3	16	10	9	0	11	9	8	11	6	2	1	0	5	1	0	11	3	0
March	16.2	SW.	50	NW.	4	6	15	5	4	7	16	3	6	0	13	6	12	10	10	0	0	0	1	0	0	0	3	0
April	16.0	NE.	50	S.	5	3	20	6	6	6	11	4	4	0	16	11	3	8	6	0	0	0	0	0	0	0	5	0
May	15.2	SW.	44	N.	2	6	10	5	2	2	24	4	9	0	14	12	5	4	3	0	0	0	0	0	0	0	4	0
June	12.7	SW.	40	NW.	1	4	4	5	7	13	22	3	2	0	12	12	6	13	13	0	0	0	0	0	0	0	9	0
July	13.7	SW.	38	SW.	0	2	3	2	4	11	31	8	1	0	10	13	8	16	13	0	0	0	0	0	1	0	13	0
August	10.3	NE.	34	NW.	0	10	12	8	8	8	8	3	4	1	15	14	2	10	7	0	0	0	0	0	0	0	12	0
September	14.3	NE.	44	NE.	1	12	21	2	3	3	11	3	4	1	5	13	12	11	10	0	0	0	0	0	0	0	7	0
October	14.2	NE.	56	S.	2	8	21	3	4	9	7	4	6	0	22	3	6	6	4	0	0	0	0	0	0	0	2	0
November	14.5	N.	35	NW.	0	21	10	1	1	1	9	6	11	0	11	11	8	5	4	0	0	0	0	0	0	1	1	0
December	20.6	N.	58	N.	8	35	10	1	1	1	2	6	6	0	8	5	18	11	9	3	2	0	0	2	6	8	0	0
Year	15.6	SW.	66	NW.	29	123	140	50	45	68	172	63	67	2	145	118	102	120	94	5	3	0	9	3	1	23	60	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

HAVRE, MONT.

[ϕ=48° 34′ N.; λ=109° 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	27.290	27.990	26.540	9.4	12.6	22.4	−0.1	11.2	45	−37	6	9	86	84	0.072	0.077	0.97	0.20	5.9	5.5	6.2
February	27.423	28.100	26.500	4.2	10.4	15.8	−2.1	6.8	44	−27	2	7	89	86	.061	.073	.90	.52	7.7	5.9	6.2
March	27.302	27.930	26.730	16.0	28.8	32.0	12.0	22.0	65	−24	14	22	89	78	.088	.123	.18	.04	4.9	5.6	4.6
April	27.335	27.680	26.905	31.9	47.2	49.1	29.7	39.4	67	21	29	29	88	51	.158	.158	1.35	.57	6.5	6.4	6.6
May	27.322	27.642	26.790	41.2	63.0	65.8	39.8	52.8	92	26	35	33	80	36	.207	.191	.33	.15	3.8	4.5	3.9
June	27.328	27.830	26.920	50.3	68.9	72.2	46.9	59.6	88	30	43	42	77	41	.279	.271	1.43	.97	3.7	5.0	4.1
July	27.278	27.660	26.920	59.8	87.2	89.1	58.3	73.7	100	43	49	46	70	26	.353	.320	.45	.25	2.1	2.5	2.0
August	27.397	27.760	27.086	51.0	78 6	81.1	49.9	65.5	94	35	45	47	82	36	.308	.327	.43	.25	2.7	3.3	3.2
September	27.380	27.720	26.983	45.1	65 6	70.2	42.9	56.6	87	33	42	48	89	56	.269	.342	4.58	2.41	4.3	4.8	4.4
October	27.419	28.026	26.960	34.3	46.3	53.3	30.2	41.8	80	8	31	35	88	67	.185	.210	.38	.18	5.1	6.2	6.8
November	27.445	27.830	26.920	32.2	43.7	54.8	27.2	41.0	72	20	26	33	81	68	.144	.193	.02	.01	1.6	1.6	3.6
December	27.404	28.090	26.847	8.4	9.1	16.6	0.3	8.4	50	−25	5	6	88	85	.072	.075	2.64	1.00	8.3	7.8	7.7
Year	27.360	28.100	26.500	32.0	46.8	51.9	27 9	39.9	100	−37	27	30	84	59	.183	.197	13.66	2.41	4.7	4.9	4.9

HELENA, MONT.

[ϕ=46° 34′ N.; λ=112° 4′ W.]

January	25.743	26.230	25.100	18.1	21.1	27.6	11.7	19.6	49	−25	10	11	73	66	0.081	0.080	0.92	0.28	4.4	6.6	7.5
February	25.778	26.230	25.190	14.6	20.9	27.1	8.1	17.6	49	−19	10	14	80	75	.077	.091	1.66	.82	6.9	6.4	7.2
March	25.738	26.202	25.257	18.0	28.4	33.0	15.2	24.1	62	− 7	12	16	74	60	.075	.091	.55	.15	5.7	5.9	5.8
April	25.737	26.000	25.370	32.1	43.5	47.6	29.9	38.8	67	18	25	26	74	53	.134	.142	1.51	.52	7.1	6.7	7.3
May	25.734	26.040	25.320	40.2	56.2	59.6	37.9	48.8	84	27	32	34	75	50	.188	.204	3.34	1.03	5.9	5.3	6.1
June	25.829	26.270	25.370	48.9	66.9	70.2	45.3	57.8	88	34	35	37	63	37	.208	.225	1.25	.69	3.9	3.1	4.7
July	25.803	26.120	25.460	59.7	83.3	87.1	57.3	72.2	96	44	40	40	50	24	.251	.259	.28	.15	1.6	2.5	3.0
August	25.884	26.160	25.640	53.4	77.1	81.0	51.4	66.2	92	42	38	43	57	32	.229	.282	.30	.16	2.7	2.9	3.6
September	25.849	26.080	25.530	46.8	65.8	70.6	44.7	57.6	84	35	37	44	70	48	.221	.291	1.45	.92	3.8	3.7	4.7
October	25.899	26.270	25.370	38.5	48.0	56.0	33.5	44.8	78	3	28	32	68	58	.160	.194	.74	.31	4.5	4.1	5.7
November	25.932	26.320	25.350	34.2	42.0	49.9	31.5	40.7	67	25	27	30	74	63	.143	.167	.32	.28	3.1	2.4	3.7
December	25.751	26.160	25.260	23.6	24.7	34.6	13.7	24.2	59	−23	17	18	78	77	.113	.112	3.28	.80	6.9	7.6	7.9
Year	25.806	26.320	25.100	35.7	48.2	53.7	31.7	42.7	96	−25	26	29	70	54	.157	.178	15.50	1.03	4.7	4.8	5.6

HOUGHTON, MICH.

[ϕ=47° 7′ N.; λ=88° 34′ W.]

January	29.206	30.100	28.530	8.5	.....	19.0	4.2	11.6	37	−24	3	.....	76	.....	0.051	.....	1.18	0.41	9.3	.....	7.6
February	29.236	29.830	28.150	−1.0	.....	12.3	−5.8	3.2	40	−22	−6	.....	76	.....	.033	.....	1.28	.52	7.1	.....	6.4
March	29.210	29.880	28.640	18.1	.....	31.6	14.1	22.8	45	−22	14	.....	84	.....	.090	.....	4.14	1.54	6.5	.....	6.1
April	29.329	29.633	28.870	30.6	.....	40.0	27.6	33.8	58	16	25	.....	79	.....	.136	.....	1.69	.65	6.0	.....	5.4
May	29.275	29.576	28.870	43.0	.....	55.2	36.5	45.8	79	30	32	.....	66	.....	.181	.....	1.04	.53	5.0	.....	4.9
June	29.205	29.501	28.680	50.6	.....	63.9	44.0	54.0	80	35	45	.....	81	.....	.302	.....	2.07	.73	5.6	.....	5.8
July	29.163	29.374	28.820	62.8	.....	76.0	54.7	65.4	103	45	56	.....	80	.....	.466	.....	2.51	.82	4.5	.....	3.5
August	29.220	29.480	28.700	56.5	.....	69.2	50.9	60.0	82	40	52	.....	84	.....	.387	.....	4.38	1.63	5.6	.....	5.1
September	29.361	29.812	28.940	51.2	.....	62.7	48.3	55.5	81	36	46	.....	85	.....	.321	.....	2.46	.85	6.1	.....	6.3
October	29.192	29.800	28.620	35.8	.....	42.2	32.1	37.6	57	22	31	.....	82	.....	.176	.....	4.32	1.76	8.2	.....	8.8
November	29.427	29.905	28.556	32.3	.....	40.4	29.4	34.9	58	12	29	.....	88	.....	.165	.....	.71	.27	7.5	.....	7.0
December	29.414	30.020	28.690	11.9	.....	19.7	5.3	12.5	41	−13	8	.....	81	.....	.066	.....	5.25	1.88	8.7	.....	9.0
Year	29.270	30.100	28.150	33.4	.....	44.4	28.5	36.4	103	−24	28	.....	80	.....	.198	.....	31.03	1.88	6.7	.....	6.3

HOUSTON, TEX.

[ϕ=29° 47′ N.; λ=95° 24′ W.]

January	29.960	30.310	29.530	52.1	.....	65.1	49.2	57.2	81	28	48	.....	86	.....	0.375	.....	1.29	0.49	6.8	.....	6.7
February	29.983	30.680	29.610	51.9	.....	69.8	49.1	59.4	85	21	46	.....	82	.....	.368	.....	1.56	.78	5.9	.....	4.8
March	29.927	30.380	29.630	57.6	.....	71.8	56.1	64.0	83	31	50	.....	79	.....	.419	.....	.85	.47	7.6	.....	6.5
April	29.812	30.110	29.590	61.6	.....	76.8	59.0	67.9	85	45	56	.....	82	.....	.480	.....	2.30	1.14	3.9	.....	4.5
May	29.801	30.100	29.540	65.5	.....	79.8	63.6	71.7	90	49	60	.....	82	.....	.536	.....	2.21	1.10	6.1	.....	5.2
June	29.880	30.100	29.660	75.2	.....	91.0	71.9	81.4	97	62	69	.....	82	.....	.721	.....	.83	.68	1.5	.....	2.5
July	29.858	30.020	29.630	77.5	.....	93.6	74.9	84.2	101	68	74	.....	88	.....	.829	.....	3.30	2.14	2.2	.....	3.2
August	29.852	30.010	29.620	76.4	.....	95.2	74.7	85.0	102	68	73	.....	87	.....	.796	.....	1.13	.95	2.5	.....	2.8
September	29.870	30.000	29.710	70.0	.....	88.6	69.2	78.9	95	59	66	.....	86	.....	.644	.....	1.95	1.39	2.1	.....	3.3
October	29.926	30.280	29.500	58.9	.....	79.5	56.2	67.8	94	33	51	.....	77	.....	.428	.....	.32	.27	1.6	.....	2.5
November	30.066	30.360	29.770	51.6	.....	72.5	50.1	61.3	82	40	44	.....	78	.....	.310	.....	.93	.90	1.4	.....	1.9
December	30.032	30.410	29.430	46.3	.....	60.1	43.8	52.0	80	22	42	.....	84	.....	.297	.....	1.19	.44	5.9	.....	6.5
Year	29.914	30.680	29.430	62.0	.....	78.6	59.8	69.2	102	21	56	.....	83	.....	.517	.....	17.66	2.14	4.0	.....	4.2

Annual meteorological summary for the year ending December 31, 1917—Continued.

HAVRE, MONT.

[H=2505 ft.; h_1=11 ft.; h_r=4 ft.; h_a=44 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 wind. 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	9.2	SW.	40	W.	1	1	11	2	0	0	18	13	15	2	6	12	13	13	9	16	13	0	1	19	0	30	0	0
February	7.8	NE.	39	NW.	0	2	18	5	0	0	11	12	8	0	8	8	12	9	5	13	9	0	1	21	0	27	0	0
March	9.3	SW.	36	SW.	0	2	12	4	0	0	24	8	11	1	11	17	3	8	2	14	8	0	2	11	0	31	0	0
April	7.6	E.	30	W.	0	2	11	20	3	0	10	6	8	0	6	12	12	10	7	8	6	0	0	0	0	20	0	0
May	7.8	E.	38	SW.	0	1	12	13	15	6	6	5	4	0	17	6	8	5	3	0	0	1	0	0	1	4	0	0
June	8.7	SW.	39	SW.	0	2	5	6	1	3	19	11	12	1	15	12	3	10	6	0	0	1	0	0	0	1	5	0
July	6.7	SW	33	W.	0	2	9	4	2	3	14	14	12	2	26	5	0	6	2	0	0	0	0	0	17	0	7	0
August	5.7	N.W.	43	NW.	1	6	9	10	1	2	5	5	22	2	21	6	4	4	3	0	0	0	0	0	6	0	2	6
September	6.0	E.	46	SW.	1	9	7	13	5	0	10	7	9	0	15	8	7	7	5	1	1	0	2	0	0	0	2	0
October	8.2	SW.	37	N.	0	4	5	11	0	0	16	9	15	2	5	9	17	4	4	5	2	0	0	2	0	15	0	1
November	6.3	SW.	35	SW.	0	3	6	8	1	2	23	8	8	1	16	9	5	2	0	1	0	0	0	0	0	23	0	0
December	7.7	E.	38	SW.	0	9	7	15	0	0	14	4	12	1	3	8	20	20	15	22	19	0	2	22	0	30	0	0
Year	7.6	SW.	46	SW.	3	43	112	111	28	16	170	102	136	12	149	112	104	98	61	80	58	1	9	75	24	181	16	7

HELENA, MONT.

[H=4110 ft.; h_1=87 ft.; h_r=80 ft.; h_a=112 ft.]

January	8.1	SW.	46	N.	3	5	1	1	3	1	24	14	13	0	2	9	20	16	8	17	16	0	0	16	0	24	0	0
February	6.8	SW.	40	W.	1	11	3	0	0	0	20	5	17	0	4	8	16	13	8	17	12	0	0	15	0	28	0	0
March	8.7	SW.	37	SW.	0	6	1	0	1	3	29	9	13	0	7	14	10	12	5	17	11	0	1	13	0	30	0	0
April	8.7	SW.	39	S.	0	3	1	3	0	5	24	6	18	0	2	12	16	12	9	13	8	0	0	1	0	18	1	0
May	8.2	SW.	55	SW.	1	7	5	3	2	12	16	5	12	0	9	7	15	14	12	5	4	2	0	0	0	7	2	0
June	9.1	SW.	50	SW.	1	0	4	1	0	2	40	9	4	0	10	17	3	8	4	0	0	1	0	0	0	0	2	0
July	8.7	SW.	36	SE.	0	3	3	3	1	6	33	11	2	0	19	11	1	5	2	0	0	0	0	0	10	0	5	0
August	7.9	SW.	39	NW.	0	5	4	3	1	4	30	7	8	0	17	11	3	5	2	0	0	0	0	3	0	0	3	2
September	7.8	SW.	38	SW.	0	5	6	0	2	3	33	1	10	0	11	14	5	6	5	0	0	0	0	0	0	0	2	0
October	8.6	SW.	40	SW.	1	1	3	1	1	4	33	10	9	0	9	11	11	4	4	8	4	0	0	1	0	12	0	0
November	6.2	SW.	40	SW.	1	0	0	0	1	8	45	1	5	0	19	5	6	2	2	1	1	0	0	0	0	18	0	0
December	7.7	SW.	56	SW.	3	1	1	0	2	4	31	8	15	0	0	11	20	20	13	19	17	2	0	11	0	26	0	0
Year	8.0	SW.	56	SW.	11	47	32	15	14	52	358	86	126	0	109	130	126	117	74	97	73	5	1	57	13	163	15	2

HOUGHTON, MICH.

[H=668 ft.; h_1=62 ft.; h_r=57 ft.; h_a=99 ft.]

January	11.9	W.	46	W.	3	0	3	7	0	1	2	13	5	0	4	7	20	16	9	21	16	0	0	27	0	31	0	1
February	13.9	W.	48	W.	4	0	0	4	1	0	2	13	7	1	7	9	12	12	7	19	12	0	0	27	0	28	0	0
March	11.6	E.	44	NE.	2	1	2	13	0	0	3	5	4	3	9	9	13	16	13	18	14	0	2	17	0	29	0	0
April	9.9	E.	33	W.	0	3	0	9	0	0	4	7	6	1	11	9	10	10	7	6	4	0	1	3	0	22	1	0
May	10.3	W.	36	S.	0	1	4	9	0	0	3	11	3	0	13	9	9	5	4	3	1	0	0	0	0	8	3	1
June	10.5	E.	48	NE.	1	1	0	13	0	0	2	12	1	1	10	9	11	14	11	0	0	0	2	0	0	0	6	0
July	9.1	E.	36	NW.	0	0	0	12	1	0	2	14	2	0	18	9	4	9	7	0	0	1	1	0	2	0	3	1
August	9.4	W.	38	W.	0	1	2	10	3	1	3	9	2	0	12	9	10	8	8	0	0	1	1	0	0	0	5	4
September	8.9	E.	42	W.	1	2	0	12	1	0	2	12	0	1	7	10	13	11	6	0	0	0	2	0	0	0	1	1
October	11.4	W.	40	NW.	2	1	3	8	2	2	2	7	6	0	1	4	26	22	15	16	11	0	0	1	0	15	1	0
November	9.1	W.	34	W.	0	1	4	7	0	2	6	6	4	0	7	6	17	10	4	11	7	0	3	5	0	19	0	0
December	10.6	E	44	W.	2	0	0	10	1	1	3	4	12	0	1	4	26	23	15	26	23	0	0	24	0	31	0	0
Year	10.6	E.	48	W.	15	11	18	114	9	7	34	113	52	7	100	94	171	156	106	120	88	2	13	104	2	183	22	8

HOUSTON, TEX.

[H=138 ft.; h_1=111 ft.; h_r=104 ft.; h_a=121 ft.]

January	8.4	N.	30	S.	0	7	2	1	6	5	4	0	6	0	7	7	17	10	5	0	0	0	4	0	0	3	1	0
February	9.1	S.	29	N.	0	3	1	3	4	9	2	2	4	0	10	11	7	7	5	0	0	1	2	0	0	4	2	0
March	11.2	SE.	29	S.	0	7	3	2	14	2	0	1	2	0	7	9	15	5	3	0	0	0	2	0	0	1	3	0
April	11.0	SE.	29	SE.	0	3	2	2	15	1	2	0	3	2	12	9	9	10	6	0	0	0	2	0	0	0	6	0
May	10.4	SE.	31	SE.	0	4	7	4	9	3	2	1	1	0	10	11	10	7	6	0	0	0	0	0	0	1	3	0
June	8.7	SE.	26	SE.	0	3	3	2	11	8	3	1	2	0	23	7	0	3	2	0	0	0	0	0	0	19	4	0
July	7.6	S.	32	NE.	0	0	0	2	6	11	6	4	0	2	19	12	0	7	4	0	0	0	0	0	0	28	12	0
August	6.8	S.	33	SE.	0	3	2	2	2	8	6	5	2	1	21	9	1	4	4	0	0	0	0	0	0	29	6	0
September	6.3	SE.	25	SE.	0	8	12	5	2	1	0	0	1	1	19	7	4	5	5	0	0	0	0	0	0	8	5	0
October	8.3	SE.	29	N.	0	4	7	7	2	4	1	2	4	0	24	3	4	2	2	0	0	0	0	3	0	3	2	0
November	7.3	SE.	28	NW.	0	3	10	5	2	1	1	2	6	0	24	5	1	2	1	0	0	0	0	3	0	0	0	0
December	7.7	N.	34	NW.	0	11	7	2	1	5	0	1	4	0	6	9	16	7	5	0	0	0	0	4	0	0	1	0
Year	8.6	SE.	34	NW.	0	53	56	37	74	58	27	19	35	6	182	99	84	69	51	0	0	1	18	0	88	13	45	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

HURON, S. DAK.

[ϕ=44° 21′ N.; λ=98° 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	28.033	29.440	28.060	5.7	11.9	21.6	—0.3	10.4	45	—25	2	8	84	85	0.050	0.070	2.21	1.45	5.3	3.1	5.2
February	28.736	29.350	27.750	2.1	10.8	17.6	—2.5	7.6	44	—35	—2	7	84	83	.046	.066	.44	.17	5.7	6.8	5.5
March	28.620	29.330	28.010	21.3	30.8	35.1	18.9	27.0	66	—16	17	24	84	77	.101	.131	1.02	.68	5.0	6.1	5.7
April	28.622	28.920	28.150	35.3	46.1	50.8	32.9	41.8	72	23	31	34	83	65	.172	.200	3.01	1.39	6.9	6.9	6.5
May	28.613	29.000	28.220	45.9	62.1	65.5	41.6	53.6	88	30	37	36	73	41	.226	.218	1.99	.90	3.9	4.6	3.6
June	28.562	29.020	28.060	57.0	70.9	74.4	52.0	63.2	93	39	50	50	78	52	.371	.382	2.40	.73	4.2	4.8	4.3
July	28.533	28.830	28.170	65.8	82.3	87.2	60.8	74.0	104	42	58	59	78	46	.497	.511	3.65	3.02	2.1	2.9	2.5
August	28.620	28.950	28.255	58.2	76.0	80.2	54.9	67.6	94	41	52	53	80	47	.399	.422	.79	.34	3.2	3.4	3.4
September	28.688	29.184	28.423	51.3	65.6	72.0	49.3	60.6	88	37	47	50	87	60	.341	.381	1.87	.82	5.0	4.6	6.1
October	28.629	29.240	28.180	32.5	43.5	50.9	27.6	39.2	73	6	25	29	74	58	.142	.167	.07	.04	6.1	5.5	5.8
November	28.768	29.170	28.360	31.8	43.3	51.5	28.9	40.2	73	4	28	34	88	72	.158	.198	.26	.16	4.0	3.0	5.8
December	28.808	29.570	28.110	4.3	12.3	19.9	—0.5	9.7	50	—33	1	8	84	81	.055	.078	.30	.06	4.3	5.6	6.9
Year	28.653	29.570	27.750	34.3	46.3	52.2	30.3	41.2	104	—35	29	33	81	64	.213	.235	18.01	3.02	4.6	4.8	5.1

INDEPENDENCE, CAL.

[ϕ=36° 48′ N.; λ=118° 12′ W.]

January	26.041	26.294	25.685	19.8	30.9	54.2	12.0	33.1	72	—1	20	28	99	89	0.104	0.150	0.11	0.10	2.6	3.5	3.5
February	26.001	26.350	25.350	32.1	45.4	55.7	25.8	40.8	66	18	28	28	86	53	.150	.158	.51	.30	4.0	4.2	3.6
March	26.002	26.380	25.600	32.9	52.5	59.1	27.1	43.1	76	20	22	15	66	22	.116	.861	.01	.01	3.5	3.6	2.7
April	25.897	26.250	25.541	42.2	63.1	68.9	36.3	52.6	84	21	29	32	60	35	.159	.186	.17	.07	3.7	4.7	3.8
May	25.847	26.050	25.600	48.5	66.9	73.5	42.5	58.0	86	34	37	36	66	34	.223	.211	.75	.29	3.6	5.6	4.5
June	25.972	26.220	25.720	60.4	85.0	90.2	54.9	72.6	98	44	37	35	43	17	.218	.204	0	0	0.7	1.5	1.1
August	26.013	26.110	25.851	63.1	87.1	92.6	57.6	75.1	98	51	42	40	48	22	.279	.267	.03	.03	2.0	4.6	3.6

INDIANAPOLIS, IND.

[ϕ=39° 46′ N.; λ=86° 10′ W.]

January	29.142	29.870	28.440	26.5	32.0	39.1	22.0	30.6	66	0	23	25	85	74	0.135	0.149	3.40	2.01	5.8	6.3	6.5
February	29.172	29.824	28.560	21.5	27.6	34.8	15.4	25.1	68	—9	17	18	81	66	.111	.112	1.15	.41	7.5	4.8	6.9
March	29.159	29.600	28.560	35.5	44.5	50.8	32.5	41.6	75	14	29	32	76	61	.164	.189	4.75	1.63	5.9	6.0	6.5
April	29.098	29.500	28.530	44.2	52.2	58.2	40.1	49.2	82	25	36	38	72	59	.225	.242	4.25	1.20	6.7	6.5	7.1
May	29.050	29.306	28.460	51.4	59.3	65.2	46.7	56.0	85	33	42	43	71	57	.278	.292	3.36	1.06	5.6	6.7	6.4
June	29.137	29.479	28.670	64.4	72.0	78.3	59.4	68.8	92	41	56	57	76	60	.466	.473	5.24	1.86	5.4	4.8	5.8
July	29.098	29.280	28.730	69.6	77.6	82.9	65.1	74.0	93	53	62	62	77	62	.562	.582	3.20	1.48	3.7	4.8	4.8
August	29.142	29.320	28.760	66.5	75.2	81.7	63.3	72.5	94	53	59	58	76	58	.503	.498	1.48	.63	4.6	5.5	5.0
September	29.237	29.486	28.890	57.8	68.2	75.6	54.7	65.2	87	39	52	53	80	60	.397	.419	2.93	1.41	3.8	3.7	3.6
October	29.145	29.490	28.650	42.3	49.5	55.6	38.2	46.9	78	24	34	36	72	60	.204	.223	3.96	1.60	5.5	6.2	6.5
November	29.297	29.770	28.500	37.3	45.1	50.9	35.1	43.0	70	19	31	32	77	63	.175	.192	.12	.06	5.9	4.7	5.9
December	29.340	29.800	28.683	20.3	24.7	30.3	15.3	22.8	56	— 8	16	16	82	67	.102	.099	1.10	.45	6.6	5.7	7.4
Year	29.168	29.870	28.440	44.8	52.3	58.6	40.6	49.6	94	— 9	38	39	77	62	.277	.289	34.94	2.01	5.6	5.5	6.0

IOLA, KANS.

[ϕ=37° 55′ N.; λ=95° 25′ W.]

January	28.990	29.690	28.380	26.2	.....	45.5	21.9	33.7	69	0	23	....	88	....	0.132	.....	0.48	0.23	3.9	.....	3.6
February	29.038	29.730	28.440	22.4	.....	44.2	19.4	31.8	72	— 9	16	....	76	....	.098	.....	.07	.05	3.1	.....	3.5
March	28.950	29.500	28.410	36.2	.....	57.9	33.8	45.8	81	8	29	....	76	....	.175	.....	3.55	2.21	3.6	.....	3.4
April	28.863	29.150	28.560	46.3	.....	64.6	43.1	53.8	86	27	39	....	76	....	.248	.....	4.61	2.18	5.7	.....	5.4
May	28.887	29.300	28.380	52.1	.....	69.2	48.4	58.8	85	33	46	....	81	....	.322	.....	5.12	1.74	4.8	.....	5.0
June	28.933	29.320	28.440	65.9	.....	85.5	60.9	73.2	102	45	58	....	76	....	.491	.....	.94	.73	3.2	.....	2.5
July	28.903	29.090	28.610	71.7	.....	93.4	67.6	80.5	103	57	64	....	77	....	.605	.....	4.22	3.15	4.0	.....	2.7
August	28.973	29.150	28.750	65.7	.....	85.5	62.7	74.1	98	48	62	....	88	....	.562	.....	3.91	1.47	4.9	.....	3.8
September	29.035	29.320	28.780	59.6	.....	82.2	57.5	69.8	96	41	56	....	89	....	.465	.....	1.85	1.38	2.4	.....	2.7
October	28.995	29.500	28.380	41.4	.....	63.8	37.4	50.6	88	18	36	....	81	....	.223	.....	.87	.54	4.0	.....	3.7
November	29.140	29.450	28.780	38.1	.....	59.2	35.8	47.5	76	17	31	....	77	....	.177	.....	.05	.03	4.6	.....	3.7
December	29.159	29.780	28.620	21.5	.....	34.3	16.6	25.4	69	— 8	17	....	83	....	.116	.....	.29	.24	6.1	.....	6.3
Year	28.989	29.780	28.380	45.6	.....	65.4	42.1	53.8	103	— 9	40	....	81	....	.301	.....	25.96	3.15	4.2	.....	3.9

Annual meteorological summary for the year ending December 31, 1917—Continued.

HURON, S. DAK.

[H=1,306 ft.; h_t=59 ft.; h_r=53 ft.; h_a=74 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	11.5	NW.	44	N.	2	10	4	1	8	12	4	8	15	0	10	10	11	7	5	12	7	0	1	24	0	31	0	0
February	13.3	NW.	52	NW.	2	2	2	1	9	2	5	12	23	0	9	9	10	7	4	16	7	0	0	22	0	28	0	0
March	12.8	NW.	37	N.	0	2	5	1	9	2	5	13	25	0	9	9	13	4	4	12	4	0	0	14	0	30	0	0
April	11.5	NW.	39	NW.	0	8	18	5	9	0	0	3	17	0	7	8	15	11	8	3	0	0	1	0	0	14	1	0
May	9.5	NE.	34	SE.	0	11	15	7	11	3	2	5	8	0	18	6	7	7	7	0	0	0	0	0	0	4	4	0
June	10.7	NW.	46	SW.	1	5	6	4	16	4	1	8	16	0	11	15	4	10	8	0	0	0	1	0	1	0	9	0
July	9.4	SE.	44	SW.	2	7	4	5	22	7	3	5	9	0	22	7	2	7	5	0	0	0	0	0	14	0	9	0
August	9.6	SE.	34	NW.	0	7	6	5	16	11	1	5	11	0	17	12	2	7	5	0	0	0	0	0	3	0	8	1
September	10.2	SE.	32	NW.	0	6	4	7	24	5	2	6	6	0	6	12	12	11	7	0	0	0	1	0	0	0	7	0
October	13.2	NW.	49	NW.	1	2	2	1	18	4	2	6	27	0	3	22	6	3	0	6	2	0	1	3	0	20	0	0
November	8.6	SE.	45	NW.	1	8	2	5	23	6	2	3	11	0	9	9	12	5	2	4	4	1	8	1	0	24	1	0
December	11.6	SE.	36	NW.	0	8	2	3	25	7	0	1	16	0	5	8	18	11	3	17	11	0	2	20	0	31	0	0
Year	11.0	SE.	52	NW.	9	76	70	45	190	63	27	75	184	0	126	127	112	90	58	70	35	2	14	84	18	182	39	1

INDEPENDENCE, CAL.

[H=3,910 ft.; h_t=9 ft.; h_r=4 ft.; h_a=41 ft.]

January	W.					12	0	5	2	2	1	33	7	0	17	9	5	2	1	3	2	0	0	1	0	31	0	0
February	W.					7	0	0	8	10	4	23	4	0	12	10	6	5	5	0	0	0	0	0	0	25	0	0
March	N.					14	4	1	3	12	3	12	12	1	18	13	0	1	0	0	0	0	0	0	0	23	0	0
April	W.					9	5	3	2	6	5	17	13	0	14	10	6	3	3	1	1	0	0	0	0	9	0	0
May	W.					8	4	3	3	5	7	19	11	2	12	12	7	5	3	0	0	1	0	0	0	0	2	0
June	W.					10	0	3	11	6	0	26	4	0	27	3	0	0	0	0	0	0	0	0	20	0	0	0
August	W.					6	0	0	18	9	0	22	4	3	17	9	5	1	0	0	0	0	0	0	26	0	8	0

INDIANAPOLIS, IND.

[H=822 ft.; h_t=194 ft.; h_r=188 ft.; h_a=230 ft.]

January	12.7	SW.	43	W.	3	0	6	3	6	10	16	11	10	0	6	11	14	13	10	12	8	0	1	10	0	26	0	0
February	14.9	W.	49	NW.	1	6	9	1	3	6	12	6	13	0	3	11	14	6	4	10	4	1	0	11	0	28	2	0
March	17.4	S.	54	W.	6	5	6	3	1	20	9	9	9	0	9	5	17	13	11	6	2	1	0	3	0	14	8	0
April	14.8	S.	52	NW.	2	8	9	5	9	10	10	4	5	0	5	7	18	11	9	1	1	0	0	0	0	5	6	0
May	13.8	W.	50	W.	3	13	6	4	4	4	11	11	9	0	6	8	17	10	8	1	0	2	0	0	0	0	7	0
June	11.5	SW.	44	SW.	1	4	4	5	5	11	15	9	7	0	9	13	8	15	11	0	0	1	0	0	1	0	8	0
July	8.9	SW.	33	W.	0	8	3	3	12	8	19	4	5	0	12	10	9	9	5	0	0	0	1	0	4	0	11	0
August	9.0	SW.	33	W.	0	9	11	4	3	4	18	5	8	0	13	8	10	6	5	0	0	0	0	0	3	0	5	0
September	9.8	NE.	31	NW.	0	6	16	5	12	7	8	3	3	0	17	5	8	7	4	0	0	0	1	0	0	0	3	0
October	12.9	S.	40	W.	2	3	4	2	5	19	9	14	6	0	9	6	16	11	9	5	2	0	2	1	0	7	5	0
November	9.6	SW.	32	N.	0	9	6	3	4	7	12	12	7	0	11	3	16	6	1	8	1	0	2	1	0	10	0	0
December	11.9	S.	41	NW.	1	8	6	7	9	10	8	8	6	0	5	6	20	12	9	13	10	0	3	16	0	25	0	0
Year	12.3	SW.	54	W.	19	79	86	45	73	116	147	96	88	0	105	93	167	119	86	56	28	5	10	42	8	115	55	0

IOLA, KANS.

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

January	7.6	SW.	32	SW.	0	4	2	3	3	7	4	3	5	0	17	9	5	4	3	5	2	0	3	7	0	26	0	0
February	9.3	N.	37	N.	0	4	6	0	3	3	4	2	6	0	12	13	3	2	1	3	1	0	0	4	0	27	1	0
March	11.1	S.	34	S.	0	4	3	2	4	5	2	5	6	0	16	9	6	8	5	2	1	2	1	2	0	13	5	0
April	8.8	S.	31	N.	0	5	5	4	3	7	1	1	3	1	8	13	9	9	8	1	0	1	1	0	0	3	5	0
May	6.5	NE.	42	SE.	1	6	5	3	4	4	3	1	5	0	9	13	9	11	7	0	0	1	0	0	0	0	10	0
June	7.3	S.	30	SW.	0	3	1	3	3	10	4	3	3	0	19	11	0	6	3	0	0	2	1	0	11	0	6	0
July	6.2	S.	32	NE.	0	1	5	6	3	11	1	1	3	0	18	13	0	9	8	0	0	0	0	0	22	0	11	0
August	4.8	SE.	30	NE.	0	7	5	3	6	4	3	0	0	3	15	11	5	14	11	0	0	0	1	0	5	0	9	0
September	5.3	S.	21	NE.	0	4	4	3	5	7	5	0	1	1	21	3	6	6	4	0	0	0	0	0	5	0	4	0
October	7.6	N.	30	N.	0	6	0	4	4	4	2	3	8	0	16	10	5	5	4	1	1	0	0	0	0	11	1	0
November	6.6	S.	30	NW.	0	7	5	1	4	6	2	2	2	1	14	9	7	4	0	0	0	1	0	0	1	11	0	0
December	8.7	S.	33	NW.	0	7	6	3	2	6	5	1	1	0	8	8	15	3	2	4	3	0	0	15	0	24	0	0
Year	7.5	S.	42	SE.	1	58	47	35	44	74	36	22	43	6	173	122	70	81	56	16	8	6	8	28	43	115	52	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

JACKSONVILLE, FLA.

[ϕ=30° 20′ N.; λ=81° 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	30.094	30.410	29.620	55.4	62.3	70.0	52.4	61.2	79	30	52	54	89	75	0.413	0.431	0.41	0.29	4.5	3.0	4.5
February	30.117	30.540	29.670	48.7	57.7	67.4	46.3	56.8	82	16	43	47	81	68	.327	.357	1.46	.51	3.7	3.4	3.9
March	30.105	30.370	29.780	59.7	65.8	74.4	56.8	65.6	85	35	53	54	78	68	.433	.447	1.81	.65	3.5	2.6	3.8
April	29.966	30.310	29.540	64.4	69.8	78.3	60.8	69.6	89	49	58	56	80	63	.491	.459	.82	.38	3.2	3.8	3.6
May	29.934	30.090	29.660	67.7	73.1	82.5	63.7	73.1	92	49	58	57	73	59	.510	.483	1.83	1.07	3.3	3.5	3.7
June	30.032	30.210	29.760	75.1	77.1	87.3	71.1	79.2	94	62	68	68	80	74	.698	.682	3.03	1.59	3.6	7.6	5.8
July	30.008	30.202	29.720	78.0	78.7	89.2	72.8	81.0	94	69	73	72	86	80	.820	.772	10.36	3.01	4.6	6.3	5.2
August	29.968	30.130	29.710	77.9	78.6	88.3	74.0	81.2	93	69	74	72	86	80	.824	.779	6.65	2.05	4.3	6.8	5.6
September	29.945	30.150	29.660	73.0	75.1	81.6	70.2	75.9	93	61	70	70	90	84	.741	.733	3.47	1.17	5.8	4.1	6.2
October	30.000	30.130	29.790	62.7	67.7	74.2	59.8	67.0	85	41	56	58	80	73	.487	.518	.38	.13	3.6	2.6	5.0
November	30.100	30.490	29.500	50.6	59.1	66.8	49.1	58.0	76	32	44	47	79	66	.304	.337	.23	.12	1.7	1.9	2.5
December	30.137	30.444	29.620	43.2	48.8	57.0	39.7	48.4	73	19	39	41	85	75	.259	.270	2.11	.93	4.9	4.4	4.8
Year	30.034	30.540	29.500	63.0	67.8	76.4	59.7	68.1	94	16	57	58	82	72	.526	.522	32.56	3.01	3.9	4.2	4.6

KALISPELL, MONT.

[ϕ=48′ 10′ N.; λ=114° 25′ W.]

January	26.925	27.417	26.195	18.1	22.2	27.6	12.6	20.1	45	—20	13	15	80	73	0.089	0.093	1.05	0.22	6.7	7.9	7.5
February	26.932	27.370	26.320	17.4	26.0	29.9	14.0	22.0	46	— 4	15	21	88	79	.094	.116	1.82	.64	8.1	7.7	7.0
March	26.897	27.420	26.450	19.6	31.4	36.0	16.5	26.2	49	— 5	16	22	83	67	.091	.117	1.09	.55	6.6	7.0	5.9
April	26.892	27.222	26.606	31.7	45.3	48.7	30.5	39.6	57	14	26	27	80	51	.144	.149	1.26	.37	7.1	7.7	6.9
May	26.857	27.210	26.620	40.5	59.9	63.4	39.2	51.3	84	27	33	33	75	40	.194	.195	.97	.62	5.8	6.0	5.5
June	26.957	27.420	26.570	44.5	64.8	68.4	42.6	55.5	89	33	39	39	82	43	.238	.242	2.76	.77	5.4	5.4	5.4
July	26.897	27.230	26.673	51.0	82.0	84.7	50.1	67.4	95	38	42	40	71	24	.269	.259	.09	.07	2.0	2.6	2.6
August	26.971	27.270	26.750	48.0	76.7	80.4	46.6	63.5	90	37	40	42	74	30	.251	.267	.32	.21	2.8	3.8	4.0
September	26.949	27.220	26.650	44.5	66.7	70.9	42.8	56.8	84	33	39	42	81	43	.240	.268	.83	.43	4.9	3.9	4.7
October	27.034	27.397	26.500	35.5	50.6	55.0	32.0	43.5	77	9	30	34	80	55	.173	.199	.54	.23	4.4	5.4	5.2
November	27.103	27.530	26.460	32.8	38.2	42.0	30.5	36.2	62	23	30	34	87	84	.170	.194	.51	.38	6.9	6.8	7.5
December	26.870	27.230	26.420	24.8	28.6	32.9	19.5	26.2	53	— 4	21	24	86	83	.120	.135	4.78	.84	8.0	8.0	8.6
Year	26.940	27.530	26.195	34.0	49.4	53.3	31.4	42.4	95	—20	29	31	81	56	.173	.186	16.02	.84	5.7	6.0	5.9

KANSAS CITY, MO.

[ϕ=39° 5′ N.; λ=94° 37′ W.]

January	29.006	29.760	28.297	25.9	34.0	41.2	20.8	31.0	65	— 3	19	22	74	60	0.110	0.127	0.62	0.35	3.8	3.9	4.0
February	29.067	29.700	28.412	21.5	33.6	41.1	17.6	29.4	73	—12	13	18	68	50	.087	.106	.07	.05	4.4	3.9	3.2
March	28.957	29.516	28.410	36.1	50.0	54.9	33.6	44.2	81	8	26	30	66	49	.148	.185	2.89	1.32	4.3	4.4	4.1
April	28.905	29.139	28.624	45.6	55.6	60.7	43.4	52.0	85	30	38	40	74	60	.241	.268	6.87	2.72	6.4	6.2	5.8
May	28.904	29.310	28.410	53.5	63.4	68.9	50.8	58.8	86	37	45	45	74	55	.309	.314	5.74	1.33	4.3	4.9	4.8
June	28.932	29.330	28.390	65.8	79.1	82.9	62.5	72.7	102	52	57	57	74	48	.476	.483	3.34	1.86	3.5	3.3	2.8
July	28.909	29.080	28.680	72.6	85.9	90.1	69.7	79.9	100	60	62	59	70	42	.565	.514	1.02	.29	2.4	2.2	2.6
August	28.987	29.200	28.781	67.9	78.1	82.4	64.9	73.6	98	55	60	60	76	55	.520	.524	3.27	1.09	4.6	3.0	3.9
September	29.045	29.410	28.790	61.6	73.3	77.7	59.8	68.8	92	46	54	55	78	55	.438	.450	3.33	2.46	4.4	2.1	3.4
October	28.999	29.490	28.430	43.6	53.5	60.3	40.4	50.4	83	21	31	32	62	44	.189	.188	1.65	.93	3.9	3.1	3.7
November	29.146	29.470	28.730	41.1	50.4	56.4	39.0	47.7	74	24	30	33	67	56	.172	.192	.06	.03	3.9	2.8	4.2
December	29.178	29.820	28.660	20.0	26.2	31.4	15.5	23.4	68	— 9	14	18	76	69	.105	.119	.45	.20	5.4	4.8	5.6
Year	29.003	29.820	28.297	46.3	56.9	62.2	43.2	52.7	102	—12	37	39	72	54	.280	.289	29.31	2.72	4.3	3.7	.9 4

KEOKUK, IOWA.

[ϕ=91° 25′ N.; λ=40° 22′ W.]

January	29.372	30.183	28.550	21.9	28.2	35.9	16.0	26.0	60	0	16	20	79	70	0.102	0.115	0.56	0.50	4.0	3.2	4.0
February	29.437	30.010	28.820	16.8	26.2	33.8	11.5	22.6	62	—18	11	14	75	58	.080	.089	.13	.08	5.9	4.1	3.9
March	29.336	29.930	28.840	34.2	45.1	51.4	31.1	41.2	77	6	26	28	72	53	.148	.166	3.46	1.87	5.3	5.6	4.3
April	29.300	29.559	28.910	43.2	52.0	57.2	40.2	48.7	82	28	36	39	77	64	.226	.250	3.36	1.14	5.6	6.1	5.5
May	29.272	29.630	28.811	52.6	62.6	67.4	48.8	58.1	87	35	44	45	74	56	.303	.317	2.53	.65	3.8	4.4	4.2
June	29.301	29.612	28.840	64.2	74.6	77.8	60.0	68.9	91	46	57	60	79	62	.482	.536	7.35	3.74	3.9	3.1	3.9
July	29.275	29.405	29.020	71.1	82.3	86.8	66.5	76.6	100	55	64	65	78	56	.599	.623	2.65	1.77	2.2	1.9	2.7
August	29.347	29.520	29.121	65.5	77.0	82.4	62.2	72.3	93	52	60	60	82	58	.518	.530	1.37	.59	4.0	3.0	3.6
September	29.428	29.830	29.140	58.5	68.7	75.1	56.2	65.6	90	41	54	56	85	65	.427	.468	5.29	3.30	5.0	3.0	3.9
October	29.341	29.780	28.660	40.5	49.3	55.6	36.8	46.2	79	21	33	34	76	58	.198	.211	1.93	1.00	5.1	6.3	5.3
November	29.524	29.836	28.920	38.1	47.0	53.0	36.0	44.5	74	17	32	34	80	68	.183	.200	.61	.01	5.0	4.0	5.2
December	29.580	30.230	29.040	17.3	22.9	28.6	13.2	20.9	62	—14	13	16	82	74	.097	.110	.36	.14	5.7	5.1	5.2
Year	29.376	30.230	28.550	43.7	53.0	58.8	39.9	49.3	100	—18	37	39	78	61	.280	.301	29.00	3.74	4.7	4.2	4.3

Annual meteorological summary for the year ending December 31, 1917—Continued.

JACKSONVILLE, FLA.

[H=43 ft.; h_t=209 ft.; h_r=198 ft.; h_a=245 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. Thunder storms.	Auroras.
	Miles.		*Mi.*																									
January	12.8	SW.	40	SW.	1	8	7	4	3	6	22	6	6	0	11	14	6	5	2	0	0	0	5	0	0	1	0	0
February	13.6	SW.	58	NW.	4	5	2	2	9	6	17	4	11	0	14	11	3	6	4	0	0	0	4	0	0	5	2	0
March	12.8	SW.	42	SW.	1	9	5	8	12	7	10	5	6	0	14	12	5	6	5	0	0	0	1	0	0	0	3	0
April	11.8	SW.	50	SW.	3	5	4	6	16	6	13	6	4	0	17	7	6	7	5	0	0	0	0	0	0	0	6	0
May	12.6	SW.	42	SW.	1	7	2	7	10	2	18	5	11	0	17	9	5	6	4	0	0	0	0	0	3	0	7	0
June	11.2	SE.	48	NE.	1	7	4	4	18	13	9	2	3	0	6	16	8	10	9	0	0	0	0	0	13	0	16	0
July	11.1	SW.	60	SW.	4	1	1	6	6	19	25	3	1	0	9	16	6	17	14	0	0	0	0	0	15	0	20	0
August	9.5	SW.	42	SW.	2	2	7	6	12	8	21	4	2	0	5	19	7	16	13	0	0	0	0	0	8	0	19	0
September	13.3	NE.	44	N.	2	15	20	2	12	2	4	1	4	0	9	9	12	16	14	0	0	0	0	0	5	0	5	0
October	11.5	NE.	34	NW.	0	18	19	2	10	0	4	1	8	0	8	17	6	6	5	0	0	0	1	0	0	0	3	0
November	12.7	N.	43	SW.	1	18	9	2	4	4	8	4	11	0	20	6	4	5	2	0	0	0	3	0	0	0	1	0
December	13.5	N.	44	SW.	1	26	10	2	1	3	8	1	11	0	14	5	12	7	7	3	0	0	3	1	0	6	1	0
Year	12.2	SW.	60	SW.	21	121	90	51	113	76	159	42	78	0	144	141	80	107	84	3	0	0	17	1	44	12	83	0

KALISPELL, MONT.

[H=2,973 ft.; h_t=48 ft.; h_r=40 ft.; h_a=56 ft.]

January	4.4	W.	27	SW.	0	3	0	4	2	6	10	32	2	3	3	10	18	16	9	17	15	0	0	17	0	29	0	0
February	3.6	W.	34	NW.	0	10	0	2	2	3	0	19	10	10	2	12	14	15	12	15	15	0	0	14	0	26	0	0
March	5.1	SE.	31	SW.	0	3	2	4	12	14	9	15	2	1	4	18	9	14	7	18	13	0	0	8	0	31	0	0
April	5.1	W.	26	N.	0	8	4	6	10	1	11	13	5	2	3	14	13	9	8	4	1	0	0	0	0	20	0	0
May	5.5	W.	26	SW.	0	13	1	4	9	1	6	24	3	1	10	11	10	10	4	1	1	0	0	0	0	5	5	0
June	5.2	SW.	33	SW.	0	0	0	6	8	4	16	20	4	2	8	15	7	11	8	0	0	1	0	0	0	0	3	0
July	4.8	W.	26	W.	0	2	0	3	7	1	9	36	3	1	21	8	2	2	1	0	0	0	0	0	7	0	4	0
August	4.3	W.	26	N.	0	6	1	7	10	1	4	30	3	0	14	15	2	3	3	0	0	0	0	0	2	0	3	0
September	3.8	W.	23	SW.	0	6	1	6	10	0	5	25	7	0	15	8	7	7	6	0	0	0	0	0	0	0	1	0
October	5.1	NW.	27	NW.	0	4	4	1	8	5	10	6	23	1	11	11	9	6	4	5	5	0	0	2	0	14	0	0
November	3.1	NW.	18	W.	0	5	4	5	4	8	4	6	24	0	4	8	18	6	4	3	2	0	0	0	0	23	0	0
December	4.9	NW.	33	NW.	0	12	4	1	3	6	11	4	21	0	2	5	24	24	20	16	16	0	2	12	0	25	0	0
Year	4.6	W.	34	NW.	0	72	21	49	85	50	95	230	107	21	97	135	133	123	86	79	68	1	10	53	9	173	16	0

KANSAS CITY, MO.

[H=963 ft.; h_t=161 ft.; h_r=141 ft.; h_a=181 ft.]

January	12.4	SW.	51	NW.	3	8	5	6	2	9	13	7	12	0	18	6	7	5	5	8	2	0	3	8	0	26	0	0
February	14.7	N.	53	NW.	2	15	6	4	5	9	5	3	9	0	16	11	1	3	1	3	2	0	0	8	0	27	0	0
March	15.9	N.	47	NW.	4	14	3	8	4	12	6	6	9	0	18	5	8	8	7	2	2	2	1	1	0	13	4	0
April	15.1	S.	44	N.	2	11	7	10	6	14	4	4	4	0	11	4	15	14	10	5	4	1	1	0	0	3	10	0
May	11.9	N.	40	E.	1	16	3	4	8	9	11	8	3	0	15	5	11	11	10	0	0	1	1	0	0	0	6	0
June	12.5	S.	38	N.	0	10	1	3	11	18	8	2	7	0	20	9	1	7	5	0	0	1	0	0	7	0	9	0
July	10.0	S.	35	NE.	0	8	8	4	6	28	3	1	4	0	21	9	1	8	8	0	0	0	0	0	16	0	10	0
August	8.6	N.	62	NW.	3	15	9	7	9	9	4	1	8	0	16	11	4	10	10	0	0	1	1	0	4	0	11	0
September	9.8	S.	32	NW.	0	9	3	10	14	12	6	2	4	0	18	5	7	7	5	0	0	0	0	0	1	0	4	0
October	13.8	NW.	46	NW.	3	13	3	0	7	17	5	5	12	0	17	8	6	9	8	0	2	2	0	0	1	0	7	0
November	10.3	S.	66	N.	2	12	3	5	7	16	9	3	5	0	14	7	8	4	0	1	1	0	4	0	0	0	8	0
December	12.8	N.	49	NW.	1	18	3	3	8	16	6	2	6	0	10	9	12	4	3	7	4	0	1	15	0	24	0	0
Year	12.3	S.	66	N.	21	149	54	64	87	169	80	44	83	0	195	89	81	90	72	28	17	6	12	33	28	108	58	0

KEOKUK, IOWA.

[H=614 ft.; h_t=64 ft.; h_r=56 ft.; h_a=78 ft.]

January	8.6	SW.	40	W.	1	7	8	4	2	6	14	12	7	2	13	13	5	5	2	5	3	0	2	12	0	30	0	0
February	9.5	NW.	34	W.	0	4	7	1	5	7	5	10	17	0	15	7	5	4	1	5	1	0	1	12	0	28	2	0
March	12.1	W.	40	SW.	1	4	7	2	8	6	8	17	10	0	13	14	4	8	6	5	1	0	0	2	0	14	6	0
April	10.1	NE.	38	SW.	0	6	15	8	5	6	6	9	5	0	9	11	10	13	10	3	3	0	0	0	0	6	4	0
May	8.0	NE.	31	SW.	0	11	9	9	3	6	8	7	9	0	10	15	6	13	10	1	1	0	0	0	0	0	5	0
June	8.5	SW.	46	W.	1	7	5	3	10	9	9	7	10	0	11	16	3	10	9	0	0	0	0	0	2	0	12	0
July	6.2	S.	32	SW.	0	6	5	3	11	13	6	8	10	0	17	14	0	9	7	0	0	0	0	0	8	0	10	0
August	5.6	SW.	28	W.	0	11	6	5	6	6	10	6	9	3	15	13	3	6	5	0	0	0	0	0	3	0	5	1
September	6.0	NE.	26	N.	0	6	16	5	14	7	4	3	4	1	14	9	7	5	7	0	0	1	0	0	0	0	4	0
October	8.8	NW.	27	SW.	0	7	3	1	10	9	4	13	15	0	10	11	10	11	9	2	1	0	0	0	0	10	4	0
November	6.2	SW.	28	NW.	0	8	7	3	6	9	11	6	10	0	13	4	13	1	0	2	0	0	4	0	0	9	2	0
December	8.4	NW.	28	NW.	0	10	3	1	10	7	8	4	19	0	12	10	9	7	4	9	7	0	0	17	0	23	0	0
Year	8.2	NW.	46	W.	3	87	91	45	90	91	93	102	125	6	153	137	75	95	70	32	17	1	7	43	13	120	54	1

Annual meteorological summary for the year ending December 31, 1917—Continued.

KEY WEST, FLA.

[ϕ=24° 33′ N.; λ=81° 48′ 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	30.037	30.300	29.900	70.0	71.2	77.8	67.3	72.6	81	57	65	64	84	79	0.622	0.611	0.14	0.10	1.5	0.7	1.8
February	30.128	30.450	29.890	66.9	67.6	75.1	63.3	69.2	82	44	60	59	81	74	.549	.526	.79	.35	3.0	1.5	2.5
March	30.085	30.250	29.970	73.9	73.6	80.1	70.3	75.2	83	62	66	65	77	75	.648	.626	3.87	2.35	3.9	2.5	3.7
April	29.959	30.160	29.640	74.7	74.1	80.5	69.3	74.9	83	66	65	63	72	69	.615	.581	1.07	.90	3.3	2.7	3.5
May	29.958	30.110	29.740	77.5	77.1	82.8	72.7	77.8	88	64	67	66	71	70	.679	.656	2.06	1.39	3.0	2.7	3.0
June	30.006	30.130	29.780	81.6	80.3	86.5	76.6	81.6	89	71	72	71	73	74	.787	.763	2.79	1.35	5.1	5.1	5.4
July	30.024	30.140	29.890	83.0	81.9	88.2	78.6	83.4	91	74	73	72	72	72	.805	.785	.80	.29	3.1	3.8	3.3
August	29.985	30.100	29.880	83.6	82.2	88.8	78.3	83.6	92	72	73	73	72	73	.817	.802	4.79	1.65	4.9	6.2	5.5
September	29.903	30.090	29.730	81.7	80.4	86.7	76.6	81.6	89	73	74	73	78	78	.837	.813	8.37	3.42	5.3	4.9	5.7
October	29.939	30.040	29.830	78.7	78.1	84.0	74.7	79.4	87	70	72	71	79	78	.778	.756	3.67	1.82	5.5	5.4	6.1
November	30.068	30.340	29.720	68.4	69.5	74.9	65.7	70.3	79	56	60	60	74	71	.519	.514	.28	.19	3.7	3.6	3.8
December	30.074	30.350	29.840	63.7	65.3	71.1	61.6	66.4	79	47	58	59	83	80	.493	.508	.14	.07	3.9	2.7	3.5
Year	30.019	30.450	29.640	75.3	75.1	81.4	71.2	76.3	92	44	67	66	76	74	.679	.662	28.77	3.42	3.8	3.5	4.0

KNOXVILLE, TENN.

[ϕ=35° 56′ N.; λ=83° 58′ W.]

January	29.013	29.480	28.540	39.1	45.7	51.7	35.0	43.4	70	16	35	36	85	70	0.221	0.233	6.82	1.47	7.5	6.4	7.5
February	29.027	29.500	28.510	34.0	41.6	50.2	28.5	39.4	72	2	27	27	75	58	.174	.181	3.53	1.04	7.6	4.6	6.4
March	29.046	29.350	28.720	43.2	52.8	58.6	39.2	48.9	78	20	37	35	80	56	.235	.227	13.35	2.30	4.8	5.0	5.4
April	28.927	29.280	28.440	54.5	65.6	72.9	48.0	60.4	87	34	42	38	64	39	.283	.243	2.13	1.06	4.4	4.8	3.9
May	28.912	29.117	28.480	55.1	65.7	71.3	50.5	60.9	86	39	46	44	71	49	.318	.311	2.52	1.05	5.5	4.9	5.2
June	29.021	29.301	28.736	66.4	75.9	81.9	60.9	71.4	94	48	61	62	82	63	.538	.568	5.49	1.94	6.4	4.8	5.5
July	28.966	29.196	28.640	71.7	78.2	85.3	67.1	76.2	93	61	67	68	87	73	.673	.690	13.16	6.20	7.4	7.2	6.9
August	28.989	29.210	28.670	69.3	76.0	83.4	65.2	74.3	90	53	65	65	87	70	.625	.627	4.20	1.36	5.6	6.0	5.8
September	29.043	29.270	28.750	62.8	71.0	78.1	59.4	68.8	88	48	58	60	84	69	.494	.529	3.13	1.80	4.8	3.8	4.8
October	29.028	29.250	28.650	44.6	55.7	64.5	40.3	52.4	82	28	40	42	85	62	.262	.290	3.54	1.97	3.9	2.4	3.5
November	29.112	29.350	28.410	39.8	50.7	57.2	37.7	47.4	70	22	35	38	84	64	.211	.235	.47	.19	4.9	3.9	4.3
December	29.143	29.460	28.394	27.0	35.4	40.9	24.2	32.6	64	− 2	23	26	83	67	.137	.147	1.38	.42	6.0	4.9	5.9
Year	29.019	29.550	28.304	50.6	59.5	66.3	46.3	56.3	94	− 2	45	45	81	62	.348	.357	59.72	6.20	5.7	4.9	5.4

LA CROSSE, WIS.

[ϕ=43° 49′ N.; λ=91° 15′ W.]

January	29.221	30.100	28.400	5.8	14.0	20.8	0.9	10.8	45	−22	2	....	82	....	0.083	.....	1.58	0.80	3.4	4.8	5.2
February	29.238	29.900	28.420	3.8	12.4	21.0	−1.2	9.9	45	−22	0	....	84	....	.048	.....	.59	.54	6.0	4.3	5.8
March	29.187	29.830	28.600	24.9	34.1	40.0	21.9	31.0	61	−11	21	....	84	....	.119	.....	2.01	.83	7.3	6.5	6.7
April	29.235	29.531	28.720	38.9	47.6	53.5	36.3	44.9	78	27	32	....	76	....	.195	.....	3.35	.90	6.3	6.7	6.5
May	29.192	29.570	28.700	48.3	61.4	66.2	44.1	55.2	88	33	40	....	73	....	.254	.....	3.14	1.05	4.8	4.6	4.6
June	29.149	29.480	28.417	57.2	67.3	72.8	53.4	63.1	85	45	53	....	87	....	.409	.....	5.79	1.80	6.2	6.9	6.5
July	29.144	29.345	28.820	66.2	75.3	82.6	62.8	72.7	97	51	62	....	87	....	.568	.....	6.94	3.75	3.8	5.1	4.5
August	29.219	29.470	28.890	59.0	70.5	77.2	55.8	66.5	90	44	56	....	90	....	.456	.....	2.51	1.09	4.8	3.7	4.6
September	29.332	29.537	29.009	51.5	60.9	68.9	49.2	59.0	83	34	49	....	92	....	.356	.....	3.36	1.70	4.0	3.7	4.9
October	29.189	29.650	28.614	34.8	40.4	47.4	31.5	39.4	74	18	31	....	86	....	.177	.....	2.64	.54	7.0	7.5	7.7
November	29.405	29.790	28.634	32.4	39.4	45.4	29.7	38.0	64	15	30	....	90	....	.166	.....	.14	.11	6.0	4.9	6.5
December	29.452	30.140	28.890	10.6	14.0	19.7	5.2	12.4	39	−16	9	....	91	....	.078	.....	.42	.13	6.1	2.0	6.7
Year	29.252	30.140	28.400	36.1	44.8	51.4	32.5	41.9	97	−22	32	....	85	.....	.242	.....	32.47	3.75	5.5	5.1	5.8

LANDER, WYO.

[ϕ=42° 50′ N.; λ=108° 45′ W.]

January	24.554	24.950	24.100	7.8	16.5	28.4	−1.4	13.5	49	−34	1	2	71	51	0.051	0.054	0.74	0.38	4.8	4.3	4.7
February	24.574	24.970	24.050	16.8	29.1	36.4	10.7	23.6	49	−16	10	15	72	53	.071	.084	.89	.48	5.0	6.5	5.7
March	24.551	24.930	24.123	18.6	33.9	39.1	14.8	27.0	65	− 3	11	16	71	48	.074	.092	.72	.60	3.6	4.5	4.3
April	24.555	24.850	24.014	28.9	44.7	49.9	26.2	38.0	65	11	23	25	77	53	.125	.137	2.42	.76	6.5	7.3	6.2
May	24.576	24.854	24.260	37.1	53.0	56.9	34.8	45.8	82	19	30	33	75	53	.165	.191	5.26	1.59	5.9	6.8	6.5
June	24.688	25.140	24.200	47.4	70.6	73.8	42.9	58.4	88	27	33	29	61	23	.195	.160	.13	.07	2.4	3.7	3.4
July	24.707	25.004	24.452	58.0	83.1	88.4	55.1	71.8	96	42	43	41	58	24	.279	.263	T.	T.	3.0	4.8	4.1
August	24.764	24.968	24.540	50.2	75.6	81.1	47.3	64.2	92	40	38	38	65	30	.234	.239	.31	.20	1.9	4.6	3.5
September	24.741	24.953	24.440	44.0	68.8	74.6	41.0	57.8	87	24	34	37	67	35	.195	.226	.05	.02	2.7	4.7	4.1
October	24.716	25.076	24.130	30.4	51.0	59.5	25.6	42.6	83	−14	23	25	73	40	.129	.138	.81	.70	4.3	5.2	4.7
November	24.797	25.100	24.420	27.4	39.4	48.1	23.7	35.9	58	12	20	25	73	54	.107	.133	1.10	.82	3.1	5.2	6.5
December	24.607	24.940	24.300	23.0	33.2	44.1	16.3	30.2	62	− 4	14	17	68	49	.084	.095	.42	.32	3.5	5.1	5.8
Year	24.652	25.140	24.014	32.5	49.9	56.7	28.1	42.4	96	−34	23	25	69	43	.142	.151	12.85	1.59	3.9	5.2	5.0

Annual meteorological summary for the year ending December 31, 1917—Continued.

KEY WEST, FLA.

[H=22 ft.; h_t=10 ft.; h_r=3 ft.; h_a=64 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Directional 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	9.7	E.	26	N.	0	6	9	30	10	1	2	4	0	0	24	7	0	3	1	0	0	0	0	0	0	0	0	0
February	11.0	SE.	50	NW.	1	8	13	14	12	2	2	3	2	0	20	4	4	4	3	0	0	0	0	0	0	0	1	0
March	11.7	SE.	28	N.	0	8	10	25	18	1	0	0	0	0	16	11	4	9	7	0	0	0	0	0	0	0	5	0
April	10.7	E.	43	NW.	1	8	10	25	6	2	2	2	5	0	17	11	2	3	2	0	0	0	0	0	0	0	3	0
May	9.7	SE.	48	NW.	1	9	10	12	24	3	2	0	2	0	21	5	5	4	3	0	0	0	0	0	0	0	3	0
June	9.7	E.	24	SE.	0	5	7	30	13	1	1	0	3	0	11	9	10	11	9	0	0	0	0	0	0	0	9	0
July	9.2	SE.	36	SW.	0	1	3	27	25	5	1	0	0	0	18	12	1	11	6	0	0	0	0	0	1	0	6	0
August	8.4	SE.	39	SW.	0	2	5	18	22	3	4	4	4	0	8	15	8	12	10	0	0	0	0	0	9	0	12	0
September	9.4	E.	38	SE.	0	2	14	16	13	8	3	3	1	0	9	12	9	14	13	0	0	0	0	0	0	0	15	0
October	8.0	NE.	24	N.	0	10	26	11	9	3	0	0	3	0	8	13	10	18	12	0	0	0	0	0	0	0	1	0
November	12.3	NE.	44	SW.	1	13	35	0	3	1	0	4	3	1	14	12	4	4	2	0	0	0	0	0	0	0	0	0
December	10.0	NE.	36	N.	0	13	44	1	0	1	1	2	0	0	19	7	5	4	2	0	0	0	0	0	0	0	1	0
Year	10.0	E.	50	NW.	4	85	186	209	155	31	18	22	23	1	185	118	62	97	70	0	0	0	0	0	10	0	56	0

KNOXVILLE, TENN.

[H=996 ft.; h_t=102 ft.; h_r=96 ft.; h_a=111 ft.]

January	5.6	SW.	34	SW.	0	4	14	2	0	2	22	12	6	0	4	6	21	18	14	3	2	0	1	0	0	11	4	0
February	6.8	SW.	36	NW.	0	5	8	3	0	0	24	10	6	0	8	7	13	12	11	5	1	0	1	3	0	13	3	0
March	6.0	NE.	24	W.	0	5	13	7	4	2	12	12	7	0	11	9	11	20	16	2	2	0	2	1	0	7	4	0
April	6.1	SW.	28	SW.	0	8	13	4	1	1	20	6	7	0	17	8	5	11	8	0	0	0	0	0	0	0	5	0
May	6.0	SW.	36	S.	0	10	6	0	6	4	22	8	6	0	10	11	10	8	7	0	0	1	0	0	0	0	7	0
June	5.7	S.	33	S.	0	6	10	8	2	12	9	12	1	0	6	16	8	11	9	0	0	1	0	0	4	0	10	0
July	5.0	SW.	31	N.	0	9	8	5	5	10	21	1	3	0	2	11	18	13	11	0	0	0	0	0	4	0	14	0
August	4.2	NE.	36	NW.	0	11	18	5	2	10	9	4	3	0	8	10	13	12	11	0	0	1	0	0	1	0	6	0
September	4.8	NE.	24	N.	0	18	19	2	3	8	6	0	4	0	12	10	8	6	5	0	0	0	4	0	0	0	3	0
October	5.7	SW.	36	S.	0	7	13	4	6	5	18	2	6	1	17	9	5	7	6	3	0	1	3	0	0	6	1	0
November	4.5	NE.	20	SW.	0	4	20	3	6	5	13	1	8	0	14	9	7	5	3	1	0	0	3	0	0	6	0	0
December	6.3	NE.	34	SW.	0	15	17	3	0	1	15	6	5	0	7	15	9	8	5	8	5	0	3	10	0	22	0	0
Year	5.6	SW.	36	S.	0	102	159	46	35	60	191	74	62	1	116	121	128	131	106	22	10	4	17	14	9	65	57	0

LA CROSSE, WIS.

[H=714 ft.; h_t=11 ft.; h_r=3 ft.; h_a=48 ft.]

January	5.4	S.	20	SW.	0	4	2	0	1	11	4	5	4	0	13	5	13	9	7	9	9	0	0	24	0	31	0	1
February	6.2	NW.	29	NW.	0	1	0	0	6	3	3	4	11	0	9	8	11	3	2	8	3	0	0	24	0	28	0	0
March	6.8	NW.	24	NW.	0	0	2	3	4	8	0	6	8	0	7	7	17	10	5	10	6	0	0	6	0	29	3	0
April	5.9	NE.	22	S.	0	6	7	2	1	4	2	4	3	1	7	7	16	13	11	0	0	1	0	0	0	8	4	0
May	5.0	N.	19	SW.	0	7	6	2	3	5	2	3	3	0	13	8	10	9	6	0	0	0	0	0	0	0	4	1
June	4.9	NW.	22	W.	0	2	1	1	6	5	2	5	8	0	5	10	15	16	12	0	0	1	0	0	0	0	12	0
July	4.0	S.	30	NW.	0	6	0	2	6	7	4	2	4	0	14	9	8	12	10	0	0	0	0	0	6	0	8	1
August	4.0	S.	18	W.	0	1	1	2	5	8	3	5	6	0	16	6	9	8	5	0	0	0	3	0	0	0	6	1
September	3.7	S.	16	SW.	0	7	1	1	4	7	2	4	1	3	12	9	9	6	6	0	0	0	7	0	0	0	5	0
October	5.7	NW.	20	NW.	0	2	0	1	7	5	6	3	7	0	2	11	18	9	9	13	3	1	2	3	0	16	1	0
November	4.2	SE.	24	NW.	0	6	3	0	8	6	2	2	2	1	8	6	16	3	1	5	2	0	5	2	0	20	0	0
December	6.2	NW.	23	NW.	0	2	0	1	2	9	3	3	11	0	8	5	18	7	4	14	6	0	0	21	0	27	0	0
Year	5.2	S.	30	NW.	0	44	23	15	53	78	33	46	68	5	114	91	160	105	78	59	29	3	17	80	6	159	43	4

LANDER, WYO.

[H=5,372 ft.; h_t=60 ft.; h_r=54 ft.; h_a=68 ft.]

January	4.6	W.	48	SW.	2	4	1	11	7	6	11	13	8	1	13	12	6	6	6	9	6	0	1	14	0	31	0	0
February	5.2	SW.	64	SW.	2	2	2	4	2	4	18	12	10	2	6	15	7	7	5	9	7	0	0	6	0	27	0	0
March	5.8	SW.	46	W.	2	4	5	5	5	5	16	14	8	0	12	15	4	6	1	7	5	0	0	8	0	30	0	0
April	5.0	SW.	40	SW.	1	3	2	6	3	3	10	18	15	0	5	15	10	14	11	14	13	0	0	1	0	24	0	0
May	4.1	W.	30	E.	0	4	4	12	4	2	11	11	13	1	8	9	14	14	12	4	4	0	0	0	0	10	4	0
June	5.7	W.	30	SW.	0	1	8	3	1	3	13	17	13	1	17	10	3	4	1	0	0	1	0	6	0	2	2	0
July	4.6	SW.	34	W.	0	4	9	3	3	7	14	12	9	1	12	18	1	0	0	0	0	0	0	0	17	0	2	0
August	4.4	W.	28	W.	0	4	6	3	6	8	11	15	9	0	16	15	0	6	3	0	0	1	0	0	2	0	3	0
September	4.3	W.	26	W.	0	2	11	2	1	2	13	19	8	2	13	13	4	3	0	0	0	0	0	0	0	3	2	0
October	4.4	SW.	32	N.	0	3	6	9	4	3	16	12	8	1	11	14	6	6	3	5	5	0	0	2	0	19	0	0
November	2.7	SW.	20	W.	0	3	5	4	5	7	18	11	6	1	12	9	9	4	4	4	4	0	0	0	0	29	0	0
December	5.1	SW.	44	W.	1	4	6	8	2	3	20	13	6	0	5	18	8	2	2	6	2	0	0	5	0	31	0	0
Year	4.7	SW.	64	SW.	8	38	65	70	43	53	171	167	113	10	130	163	72	72	48	58	46	2	1	36	19	206	13	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

LANSING, MICH.

[ϕ=42° 44′ N.; λ=84° 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	29.018	29.850	28.220	17.2	20.8	29.2	12.7	21.0	43	—10	15	17	89	83	0.093	0.099	1.55	0.60	6.5	6.1	7.1
February	29.032	29.730	28.460	11.9	16.5	25.3	5.7	15.5	45	—21	9	11	88	79	.073	.078	.62	.16	6.8	5.9	6.9
March	29.027	29.520	28.350	29.7	35.7	43.4	25.9	34.6	68	9	24	27	80	70	.137	.157	2.88	.93	7.4	6.4	6.7
April	29.040	29.400	28.420	37.9	43.6	51.7	33.0	42.4	76	21	32	35	78	72	.187	.218	5.59	1.73	6.4	6.5	7.0
May	28.968	29.258	28.340	46.4	52.2	59.9	40.4	50.2	83	30	39	41	76	68	.245	.271	3.37	1.29	5.5	6.5	7.6
June	29.044	29.359	28.670	59.2	64.4	73.1	51.7	62.4	85	39	54	55	82	72	.419	.438	4.54	1.56	6.2	5.2	6.9
July	29.009	29.248	28.720	65.8	71.5	80.4	59.7	70.0	96	47	61	63	86	74	.555	.585	3.06	1.28	5.3	4.2	5.4
August	29.070	29.300	28.590	61.3	67.3	78.5	55.6	67.0	92	45	56	58	85	74	.463	.495	1.47	.44	5.3	5.1	5.4
September	29.191	29.490	28.770	50.7	57.9	70.8	46.4	58.6	82	33	48	52	92	82	.343	.397	4.60	3.14	4.0	3.1	4.4
October	29.035	29.370	28.437	37.6	41.5	49.4	33.0	41.2	69	23	34	36	87	82	.203	.220	3.44	.81	7.5	6.3	7.6
November	29.209	29.730	28.210	29.7	35.3	45.6	25.9	35.8	66	10	28	30	91	83	.153	.175	.82	.49	5.4	4.8	5.3
December	29.243	29.730	28.490	15.6	19.4	26.9	11.3	19.1	44	—13	13	16	87	83	.088	.097	.74	.30	6.3	6.8	6.6
Year	29.074	29.850	28.210	38.6	43.8	52.8	33.4	43.2	96	—21	34	37	85	77	.247	.269	32.68	3.14	6.0	5.6	6.4

LEWISTON, IDAHO.

[ϕ=46° 25′ N.; λ=117° 02′ W.]

January	29.348	29.890	28.690	29.0	.....	38.1	25.2	31.6	56	8	22	....	75	....	0.121	.....	1.09	0.24	7.3	.....	7.3
February	29.297	29.800	28.520	32.9	.....	43.4	30.5	37.0	56	20	27	....	76	....	.144	.....	.95	.38	7.8	.....	8.6
March	29.306	29.870	28.822	33.8	.....	45.9	31.6	38.8	57	14	26	....	71	....	.136	.....	.45	.11	6.0	.....	7.7
April	29.172	29.540	28.789	42.1	.....	57.4	39.7	48.6	67	32	34	....	73	....	.198	.....	2.81	.65	6.9	.....	7.9
May	29.131	29.500	28.830	48.1	.....	68.1	46.6	57.4	84	35	42	....	82	....	.279	.....	2.27	.95	6.3	.....	6.4
June	29.241	29.600	28.850	52.2	.....	78.1	49.0	63.6	96	40	44	....	76	....	.296	.....	.48	.15	3.7	.....	4.3
July	29.126	29.404	28.770	61.3	.....	94.0	59.5	76.8	105	49	48	....	62	....	.336	.....	.07	.04	2.0	.....	2.1
August	29.184	29.380	29.910	58.0	.....	93.3	57.3	75.3	103	51	42	....	57	....	.275	.....	0	0	1.5	.....	1.7
September	29.178	29.520	28.820	54.0	.....	81.1	52.2	66.6	98	44	46	....	75	....	.315	.....	2.14	1.42	4.6	.....	3.9
October	29.363	29.740	28.870	42.1	.....	67.3	39.4	53.4	82	26	36	....	81	....	.223	.....	.02	.01	2.3	.....	3.8
November	29.401	29.840	28.730	38.1	.....	54.9	36.2	45.6	65	26	35	....	88	....	.207	.....	1.23	.50	5.1	.....	6.4
December	29.225	29.690	28.730	40.3	.....	49.9	36.9	43.4	66	27	35	....	83	....	.211	.....	3.99	1.00	8.5	.....	9.1
Year	29.248	29.890	28.520	44.3	.....	64.3	42.0	53.2	105	8	36	....	75	....	.228	.....	15.50	1.42	5.2	.....	5.8

LEXINGTON, KY.

[ϕ=38° 02′ N.; λ=84° 33′ W.]

January	28.996	29.610	28.380	33.1	.....	43.5	26.8	35.2	65	4	30	....	89	....	0.187	.....	5.67	1.61	6.5	.....	6.8
February	28.998	29.600	28.400	26.7	.....	42.0	21.7	31.8	71	—7	23	....	87	....	.144	.....	2.12	.79	6.7	.....	6.4
March	29.016	29.360	28.600	39.0	.....	53.0	35.3	44.2	78	15	32	....	77	....	.188	.....	5.48	1.14	4.0	.....	5.0
April	28.925	29.280	28.290	48.5	.....	64.2	43.5	53.8	83	22	40	....	74	....	.261	.....	3.97	1.77	5.2	.....	5.1
May	28.885	29.090	28.410	52.5	.....	66.1	47.7	56.9	84	35	44	....	76	....	.304	.....	3.51	2.13	5.5	.....	5.8
June	28.995	29.307	28.670	66.2	.....	79.3	60.7	70.0	91	43	59	....	79	....	.513	.....	3.54	1.32	4.6	.....	4.3
July	28.945	29.150	28.600	70.5	.....	82.4	66.4	74.4	92	58	65	....	82	....	.620	.....	2.80	1.07	4.9	.....	5.0
August	28.978	29.170	28.650	69.6	.....	82.9	65.9	74.4	92	56	62	....	79	....	.573	.....	1.94	1.08	4.0	.....	4.2
September	29.053	29.270	28.740	61.4	.....	76.2	58.1	67.2	86	42	55	....	81	....	.460	.....	2.46	1.45	3.2	.....	3.4
October	29.005	29.310	28.560	44.7	.....	59.7	40.4	50.0	82	25	38	....	77	....	.239	.....	2.36	.71	5.3	.....	5.5
November	29.117	29.580	28.370	39.8	.....	51.8	36.2	44.0	67	16	34	....	82	....	.205	.....	1.03	.50	4.3	.....	5.3
December	29.147	29.530	28.270	23.2	.....	33.1	17.5	25.3	60	—9	21	....	91	....	.126	.....	1.97	.94	5.4	.....	6.2
Year	29.005	29.610	28.270	47.9	.....	61.2	43.4	52.3	92	—9	42	....	81	....	.318	.....	36.85	2.13	5.0	.....	5.2

LINCOLN, NEBR.

[ϕ=40° 49′ N.; λ=96° 45′ W.]

January	28.762	29.540	27.860	19.2	26.6	33.8	14.5	24.2	57	—14	14	18	78	66	0.085	0.103	0.41	0.37	3.5	2.7	4.3
February	28.836	29.465	28.060	15.0	28.7	36.0	12.6	24.3	72	—20	9	13	74	50	.070	.084	.02	.02	6.1	5.0	4.8
March	28.707	29.360	28.040	29.9	43.4	50.4	27.5	39.0	88	0	22	23	72	48	.124	.120	1.27	.76	4.1	4.4	4.0
April	28.674	29.000	28.230	40.9	54.4	59.6	38.0	48.8	85	27	33	35	76	53	.194	.220	4.28	1.74	7.4	6.3	6.5
May	28.673	29.090	28.150	49.4	62.8	67.5	46.0	56.8	92	32	42	42	76	52	.276	.282	3.99	1.55	6.3	5.5	5.8
June	28.677	29.140	28.240	62.5	76.4	80.7	58.7	69.7	102	45	54	56	74	52	.429	.457	6.03	2.97	4.2	3.2	3.7
July	28.664	28.890	28.350	69.1	85.8	91.1	65.8	78.4	100	54	61	59	76	42	.537	.507	.56	.26	2.5	1.6	2.3
August	28.758	29.040	28.450	62.2	76.1	83.6	59.5	71.6	102	47	56	59	82	57	.464	.513	2.49	.93	3.2	4.4	3.7
September	28.809	29.210	28.480	57.8	69.7	77.7	55.3	66.5	96	40	52	56	82	63	.403	.459	2.31	1.92	5.7	3.7	5.0
October	28.760	29.250	28.170	37.9	50.7	58.9	34.2	46.6	83	17	28	29	69	46	.159	.167	.44	.36	4.7	4.6	5.1
November	28.878	29.150	28.510	36.3	49.0	56.6	33.2	44.9	75	18	29	34	75	60	.162	.207	.05	.05	4.8	3.8	4.5
December	28.921	29.601	28.340	14.0	20.5	28.1	9.1	18.6	58	—18	10	14	82	75	.079	.100	.23	.10	5.5	5.9	6.6
Year	28.760	29.601	27.860	41.2	53.7	60.3	37.9	49.1	106	—20	34	36	76	55	.248	.269	22.06	2.97	4.8	4.3	4.7

Annual meteorological summary for the year ending December 31, 1917—Continued.

LANSING, MICH.

[H = 878 ft.; h_s = 11 ft.; h_r = 3 ft.; h_a = 62 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	7.7	SW.	30	SW.	0	5	2	5	5	6	19	10	9	1	2	12	17	11	6	19	10	0	1	18	0	31	0	0
February	7.9	NW.	24	NW.	0	5	1	2	3	3	15	13	14	0	3	12	13	14	7	20	11	0	0	21	0	28	0	0
March	9.6	SW.	34	NW.	0	3	3	3	8	10	10	15	9	1	6	11	14	13	11	12	4	1	0	4	0	27	3	0
April	7.6	N.	30	NW.	0	10	5	8	8	4	7	11	5	2	4	10	16	14	13	5	2	1	0	0	0	14	4	0
May	8.2	NW.	29	SW.	0	12	13	6	2	4	2	11	12	0	4	7	20	12	8	3	2	1	0	0	0	3	5	0
June	5.8	SW.	23	SW.	0	8	5	5	4	8	14	8	8	0	4	10	16	12	8	0	0	0	0	0	0	0	8	0
July	4.3	SW.	20	S.	0	7	1	9	4	5	21	8	6	1	12	9	10	11	10	0	0	0	0	0	6	0	9	0
August	4.3	SW.	18	SW.	0	4	6	8	5	4	15	9	11	0	11	9	11	11	6	0	0	0	0	0	3	0	7	0
September	4.2	SW.	20	NW.	0	7	11	9	11	5	10	2	5	0	14	8	8	9	5	0	0	0	0	0	0	0	3	0
October	6.3	SW.	22	SW.	0	2	3	3	10	7	16	11	9	1	5	3	23	18	14	6	3	1	0	0	0	14	1	0
November	5.4	SW.	25	N.	0	8	8	4	6	6	15	6	7	0	12	4	14	7	5	6	4	0	5	5	0	25	0	0
December	6.7	NW.	24	NW.	0	8	2	4	7	9	11	7	14	0	6	8	17	15	4	17	12	0	0	21	0	29	0	0
Year	6.5	SW.	34	NW.	0	79	60	66	73	71	155	111	109	6	83	103	179	147	97	88	48	4	6	69	9	171	40	0

LEWISTON, IDAHO.

[H = 757 ft.; h_s = 40 ft.; h_r = 32 ft.; h_a = 48 ft.]

January	4.4	E.	27	SW.	0	1	4	9	5	3	3	3	0	3	3	11	17	13	7	7	7	0	1	8	0	25	0	0
February	3.9	E.	34	W.	0	3	7	5	4	5	1	2	1	0	2	3	23	14	5	11	9	0	1	0	0	21	0	0
March	5.9	E.	33	S.	0	1	2	16	0	5	2	4	0	1	2	9	20	12	5	6	3	0	0	0	0	17	0	0
April	4.8	E.	28	NE.	0	2	4	8	6	2	2	4	0	2	1	8	21	17	13	1	1	1	0	0	0	0	0	0
May	3.4	NE.	24	W.	0	1	5	13	0	2	4	2	1	3	5	14	12	12	9	0	0	2	0	0	0	0	2	0
June	4.2	NE.	31	NW.	0	2	5	7	5	3	1	3	0	4	15	10	7	7	5	0	0	0	0	0	3	0	3	0
July	3.3	NE.	25	W.	0	0	12	7	3	1	1	1	3	3	22	8	1	2	1	0	0	0	0	0	23	0	1	0
August	2.5	W.	23	NW.	0	6	8	10	1	2	0	0	2	2	24	6	1	0	0	0	0	0	0	0	25	0	0	0
September	2.2	E.	20	W.	0	3	1	10	1	3	3	3	2	4	12	14	4	5	5	0	0	0	0	0	4	0	0	0
October	2.3	E.	27	W.	0	1	4	8	1	5	1	4	3	4	17	6	8	2	0	0	0	0	0	0	0	5	0	0
November	1.8	E.	16	NE.	0	2	3	6	2	3	4	5	2	3	9	5	16	8	5	0	0	0	2	0	0	8	0	0
December	3.5	E.	24	W.	0	1	1	11	4	1	6	5	2	0	0	5	26	21	15	1	1	2	0	0	0	7	0	0
Year	3.5	E.	34	W.	0	23	56	110	32	35	28	36	16	29	110	99	156	113	70	26	21	5	4	8	55	83	6	0

LEXINGTON, KY.

[H = 989 ft.; h_s = 193 ft.; h_r = 187 ft.; h_a = 230 ft.]

January	14.7	SW.	52	S.	2	1	2	2	4	3	10	3	6	0	7	8	16	15	12	8	5	0	5	7	0	19	4	0
February	17.0	SW.	60	SW.	3	2	4	0	4	1	8	3	6	0	7	8	13	11	8	9	7	0	1	8	0	20	2	0
March	18.1	SW.	52	SW.	11	1	6	1	3	6	6	5	3	0	13	7	11	16	14	8	4	1	2	3	0	11	6	0
April	15.4	SE.	54	SW.	4	1	5	3	7	2	6	3	3	0	11	11	8	12	11	1	1	0	0	0	0	5	4	0
May	14.6	SW.	56	SW.	3	2	2	1	2	3	9	4	8	0	8	11	12	10	8	0	0	2	0	0	0	0	6	0
June	11.7	SW.	60	SW.	1	1	1	1	4	2	14	5	2	0	15	8	7	10	9	0	0	0	0	0	0	1	0	11
July	10.3	SW.	30	SW.	0	1	1	3	0	4	18	1	3	0	11	14	6	14	11	0	0	0	0	1	0	3	6	13
August	9.8	SW.	46	W.	1	3	1	2	6	7	11	0	1	0	15	10	6	11	7	0	0	1	0	0	0	6	0	7
September	10.7	SW.	40	SW.	1	4	5	5	3	5	7	0	1	0	17	7	6	5	5	0	0	1	1	0	0	0	5	0
October	14.2	SE.	48	SW.	4	0	2	1	7	5	6	4	6	0	9	11	11	11	11	2	1	0	0	1	0	7	1	0
November	10.9	SW.	32	NW.	0	2	3	1	3	3	10	6	2	0	10	9	11	7	4	3	1	0	6	2	0	10	0	0
December	14.1	SW.	50	W.	1	0	8	2	4	5	9	1	2	0	10	6	15	11	9	11	10	0	1	13	0	23	0	0
Year	13.5	SW.	60	SW.	31	18	40	22	47	46	114	35	43	0	133	110	122	133	109	42	29	5	17	34	10	95	59	0

LINCOLN, NEBR.

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

January	10.9	NE.	50	NW.	2	6	13	3	2	11	6	10	11	0	14	11	6	4	2	8	2	0	1	13	0	28	0	0
February	12.4	N.	50	NW.	2	19	7	3	3	9	6	3	6	0	7	16	5	1	0	7	1	0	0	10	0	28	0	0
March	13.8	N.	54	NW.	3	16	5	4	8	6	5	6	12	0	15	11	5	7	4	6	4	1	0	2	0	19	3	0
April	13.4	N.	46	NW.	2	15	12	6	5	10	2	2	8	0	6	10	14	11	11	5	5	1	0	0	0	7	7	0
May	10.2	NE.	52	NW.	2	6	16	7	8	7	5	5	8	0	10	9	12	11	10	0	0	0	0	0	1	0	5	0
June	11.6	S.	47	NW.	2	8	10	5	11	14	2	3	7	0	18	6	6	14	11	0	0	0	0	0	5	0	15	0
July	8.9	S.	38	W.	0	12	4	5	8	20	2	5	6	0	21	8	2	5	4	0	0	0	0	0	17	0	6	0
August	7.8	SE.	60	NW.	1	10	5	8	17	11	1	5	5	0	16	12	3	9	7	0	0	0	0	1	0	4	0	13
September	8.8	SE.	30	S.	0	9	8	8	15	14	4	1	1	0	11	10	9	6	4	0	0	0	0	0	3	0	6	0
October	11.2	N.	46	NW.	2	16	2	2	10	10	7	3	12	0	12	8	11	3	2	3	1	0	0	1	0	17	0	0
November	8.3	S.	60	NW.	1	7	4	10	9	18	8	2	4	0	14	6	10	1	1	3	1	0	1	0	0	13	0	0
December	10.8	N.	44	N.	1	15	8	5	11	14	5	0	4	0	7	9	15	4	2	9	4	0	2	17	0	29	0	0
Year	10.7	S.	60	NW.	18	139	94	66	107	142	53	45	84	0	151	116	98	76	58	41	18	2	5	43	30	141	55	2

Annual meteorological summary for the year ending December 31, 1917—Continued.

LITTLE ROCK, ARK.

[ϕ=34° 45′ N.; λ=92° 6′ 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	29.719	30.350	29.190	40.2	48.4	54.1	36.0	45.0	75	15	35	37	81	66	0.233	0.245	2.53	0.54	6.6	5.2	6.5
February	29.747	30.330	29.290	37.7	49.0	58.7	33.9	44.8	82	11	28	32	69	52	.184	.204	1.72	.92	3.7	5.7	5.0
March	29.702	30.110	29.320	47.8	58.7	63.4	44.7	54.0	81	24	41	43	78	59	.291	.307	6.43	1.64	6.1	4.5	5.2
April	29.596	29.910	29.290	55.0	65.2	70.6	51.7	61.2	83	37	48	49	78	59	.359	.371	3.91	1.74	5.9	4.4	4.9
May	29.593	29.910	29.160	58.6	69.4	73.4	54.7	64.0	89	43	52	54	79	59	.406	.434	3.28	1.87	4.4	5.4	5.0
June	29.648	29.940	29.350	70.1	81.3	86.1	66.4	76.2	96	53	64	67	81	63	.599	.675	3.82	1.95	3.7	4.1	3.6
July	29.605	29.830	29.380	74.4	84.2	89.1	71.1	80.1	99	65	68	68	81	60	.691	.688	4.54	1.47	4.9	4.7	4.5
August	29.633	29.810	29.380	71.7	81.3	86.1	69.3	77.7	95	60	66	68	84	66	.656	.693	4.38	1.29	4.7	4.8	4.6
September	29.690	29.909	29.520	65.1	76.8	81.6	63.4	72.5	92	52	61	60	86	59	.548	.549	.27	.10	3.9	3.9	4.1
October	29.691	30.090	29.100	48.4	63.5	70.3	45.5	57.9	85	27	39	41	71	45	.260	.282	2.03	.60	3.2	2.9	3.5
November	29.825	30.180	29.380	45.4	57.5	63.3	42.5	52.9	76	28	37	40	75	54	.232	.252	2.07	.90	3.3	3.5	4.7
December	29.859	30.310	29.280	30.4	37.4	43.3	27.5	35.4	70	5	25	26	78	64	.159	.169	1.24	1.08	5.4	4.5	5.6
Year	29.692	30.350	29.100	53.7	64.4	69.8	50.6	60.1	99	5	47	49	78	59	.385	.406	36.22	1.95	4.6	4.5	4.8

LOS ANGELES, CAL.

[ϕ=34° 3′ N.; λ=118° 15′ W.]

January	29.741	29.960	29.450	46.6	53.8	58.8	43.5	51.2	76	38	39	42	75	66	0.239	0.270	2.68	1.53	4.8	4.1	5.5
February	29.761	29.960	29.260	49.0	59.0	64.1	46.5	55.3	82	41	40	42	76	60	.259	.282	4.49	1.39	3.8	4.7	4.9
March	29.727	30.090	29.500	49.1	61.1	65.8	46.6	56.7	79	39	36	36	63	44	.216	.225	.18	.12	1.9	0.7	2.0
April	29.627	29.850	29.260	51.5	61.7	66.7	49.1	57.9	84	42	44	44	78	57	.294	.299	.46	.26	4.1	2.8	3.7
May	29.607	29.750	29.292	55.3	62.0	65.8	51.6	58.7	83	46	49	49	86	64	.347	.349	.21	.21	7.0	3.6	5.4
June	29.574	29.730	29.424	59.9	73.6	78.9	58.3	68.6	105	49	54	55	85	56	.428	.441	0	0	6.7	0.1	2.7
July	29.531	29.700	29.410	64.2	74.6	81.7	62.9	72.3	88	60	61	62	89	64	.536	.549	T.	T.	5.7	2.3	3.4
August	29.592	29.760	29.483	62.3	72.7	79.3	60.7	70.0	88	56	59	59	90	64	.500	.505	T.	T.	7.3	0.6	2.6
September	29.553	29.720	29.342	61.8	73.4	82.0	59.7	70.8	99	55	54	54	79	54	.424	.426	T.	T.	2.3	0.6	1.6
October	29.611	29.770	29.448	60.6	69.2	78.2	58.2	68.2	94	49	50	53	76	63	.389	.428	0	0	4.5	2.2	3.5
November	29.740	29.930	29.550	56.4	65.3	73.9	53.5	63.7	87	48	43	49	66	62	.292	.366	.36	.36	3.8	1.9	3.3
December	29.720	29.930	29.559	55.3	64.2	73.7	52.0	62.8	86	45	39	47	59	59	.246	.335	.97	.07	1.3	1.6	2.2
Year	29.649	29.960	29.260	55.8	65.9	72.5	53.6	63.0	105	38	47	49	77	59	.348	.373	8.45	1.53	4.4	2.1	3.4

LOUISVILLE, KY.

[ϕ=38° 15′ N.; λ=85° 45′ W.]

January	29.509	30.170	28.800	32.6	37.9	44.5	27.3	35.9	64	5	28	30	82	72	0.169	0.186	6.12	1.40	7.0	6.0	6.2
February	29.527	30.160	28.920	26.6	35.7	42.4	22.0	32.2	73	− 4	21	22	77	59	.129	.137	2.55	1.41	6.8	5.2	6.1
March	29.520	29.880	28.950	39.7	48.7	55.5	37.2	46.4	78	16	30	32	70	55	.176	.196	6.30	1.51	5.3	4.6	5.6
April	29.423	29.800	28.820	48.3	58.6	65.1	44.5	54.8	86	26	38	39	69	51	.243	.250	4.93	2.16	6.8	4.6	5.8
May	29.384	29.620	28.842	54.5	62.9	68.7	50.5	59.6	87	38	43	44	68	54	.292	.308	4.39	2.10	5.9	5.9	6.2
June	29.473	29.820	29.070	67.3	76.1	81.7	62.2	72.0	95	46	58	58	73	56	.494	.500	3.18	1.19	4.9	4.5	4.9
July	29.421	29.620	29.070	71.6	79.0	85.1	67.7	76.4	94	60	64	64	77	61	.601	.604	1.86	.78	4.6	5.0	5.7
August	29.455	29.660	29.110	69.5	78.8	85.1	65.9	75.5	95	55	61	59	76	54	.547	.518	4.05	2.94	4.4	3.5	5.1
September	29.537	29.791	29.250	61.6	71.5	79.0	58.5	68.8	90	44	56	54	81	58	.456	.449	2.27	1.82	3.9	2.6	3.3
October	29.496	29.840	29.020	45.7	53.3	60.4	41.3	50.8	83	27	37	36	72	54	.222	.222	2.46	.63	5.1	3.3	5.5
November	29.626	30.100	28.880	38.7	48.1	54.0	36.4	45.2	71	22	33	34	79	60	.191	.199	1.35	.74	4.9	4.6	5.3
December	29.686	30.110	28.873	22.8	28.3	33.7	18.3	26.0	60	− 6	18	19	83	67	.117	.118	2.28	1.31	6.3	5.5	6.8
Year	29.504	30.170	28.800	48.2	56.6	62.9	44.3	53.6	95	− 6	41	41	76	58	.304	.307	41.74	2.94	5.5	4.6	5.6

LUDINGTON, MICH.

[ϕ=43° 57′ N.; λ=86° 27′ W.]

January	29.260	30.110	28.450	19.5	21.7	26.7	14.9	20.8	43	− 1	17	18	88	84	0.096	0.101	1.61	0.57	7.8	6.1	7.4
February	29.289	29.948	28.540	12.3	16.0	22.3	7.2	14.8	42	−18	11	12	93	86	.072	.078	1.27	.42	8.3	7.3	7.6
March	29.260	29.830	28.590	28.1	32.1	37.5	23.9	30.7	55	− 2	25	25	86	76	.139	.139	1.79	.59	5.7	5.4	6.1
April	29.309	29.630	28.870	35.7	40.3	45.4	31.9	38.6	66	20	30	31	84	70	.174	.184	2.85	1.02	7.3	5.5	5.6
May	29.245	29.535	28.600	44.1	47.9	54.2	39.0	46.6	73	32	37	37	77	67	.226	.226	2.74	1.14	4.4	4.2	4.3
June	29.261	29.560	28.740	54.9	58.4	63.8	48.8	56.3	74	40	51	52	87	86	.378	.395	3.68	.77	7.1	5.0	5.5
July	29.240	29.476	28.959	62.9	67.4	72.4	58.4	65.4	92	48	60	62	92	84	.539	.572	1.58	.57	4.7	4.6	4.3
August	29.301	29.540	28.793	61.0	65.1	70.1	55.9	63.0	79	44	56	56	84	73	.457	.452	1.90	.42	1.2	2.7	4.2
September	29.437	29.810	29.020	53.8	58.4	64.4	49.0	56.7	80	40	49	51	85	76	.354	.376	1.80	.85	5.4	3.6	4.3
October	29.264	29.675	28.650	40.0	41.9	64.3	35.4	40.8	58	26	35	35	81	77	.205	.219	2.66	.58	7.9	7.5	7.6
November	29.468	29.970	28.530	33.8	37.7	42.8	30.7	36.8	55	19	31	33	88	82	.173	.192	1.34	.93	5.6	4.4	5.8
December	29.485	30.010	28.830	19.2	21.6	25.5	15.0	20.2	40	0	16	17	89	83	.097	.100	1.98	.31	9.2	8.4	8.7
Year	29.318	30.110	28.450	38.8	42.4	47.6	34.2	40.9	92	−18	35	36	86	78	.242	.252	24.30	1.14	6.5	5.4	6.0

Annual meteorological summary for the year ending December 31, 1917—Continued.

LITTLE ROCK, ARK.

[H=357 ft.; h_1=139 ft.; h_2=132 ft.; h_3=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. Thunderstorm.	Auroras.
	Miles		*Mi.*																									
January	10.5	S.	38	NW.	0	5	8	6	3	13	11	8	7	1	9	3	19	10	7	2	1	0	2	3	0	13	2	0
February	11.6	NW.	52	NW.	2	4	12	4	3	11	8	5	9	0	8	11	9	6	4	1	0	0	2	2	0	12	1	0
March	12.1	S.	39	N.	0	6	4	7	6	18	6	7	8	0	13	3	15	13	11	2	2	1	0	0	0	2	7	0
April	8.8	S.	39	NW.	0	6	4	13	7	12	7	5	6	0	11	0	10	10	8	0	0	0	0	0	0	0	8	0
May	10.3	S.	48	S.	4	7	10	9	5	12	5	7	6	1	10	11	10	6	4	0	0	1	0	0	0	0	4	0
June	8.2	S.	48	NW.	2	7	4	8	4	21	6	7	3	0	15	10	5	7	7	0	0	0	0	0	10	0	8	0
July	7.7	S.	44	N.	1	5	4	4	4	21	14	5	5	0	12	10	9	9	6	0	0	0	0	0	16	0	6	0
August	6.0	E.	42	NW.	1	6	6	16	5	10	7	6	6	0	14	8	9	8	7	0	0	0	1	0	9	0	9	0
September	6.9	E.	27	NE.	0	8	12	12	6	8	2	3	9	0	13	10	7	6	4	0	0	0	0	0	2	0	4	0
October	9.8	S.	46	E.	1	8	2	5	7	16	6	6	11	1	20	5	6	5	5	0	0	0	0	0	0	3	4	0
November	7.3	NW.	33	NW.	0	1	5	6	7	7	8	7	18	1	15	6	9	5	4	0	0	0	1	0	0	2	1	0
December	8.8	E.	33	NW.	0	7	14	17	2	8	5	3	6	0	12	4	15	5	4	3	3	0	0	10	0	20	0	0
Year	9.0	S.	52	NW.	11	70	85	107	59	157	85	69	94	4	152	90	123	90	71	8	6	2	6	15	37	52	54	0

LOS ANGELES, CAL.

[H=338 ft.; h_1=159 ft.; h_2=151 ft.; h_3=191 ft.]

January	5.9	NE.	24	NE.	0	3	22	8	2	4	9	5	9	0	11	8	12	9	8	0	0	0	2	0	0	0	0	0
February	5.9	NE.	27	SW.	0	2	21	1	5	5	14	3	5	0	11	9	8	9	8	0	0	0	3	0	0	0	0	0
March	6.1	SW.	31	NW.	0	4	18	1	1	1	28	1	8	0	23	6	2	2	2	0	0	1	1	0	0	0	0	0
April	6.3	SW.	35	NW.	0	1	19	3	5	4	24	0	4	0	15	10	5	5	2	0	0	0	2	0	0	0	0	0
May	6.0	SW.	22	SW.	0	0	21	1	9	1	27	2	1	0	12	9	10	1	1	0	0	0	1	0	0	0	0	0
June	5.1	SW.	16	SW.	0	1	10	4	6	6	28	1	4	0	18	12	0	0	0	0	0	0	3	0	4	0	0	0
July	5.3	SW.	17	SW.	0	0	6	7	3	7	35	1	3	0	19	8	4	0	0	0	0	0	0	0	0	0	0	0
August	5.3	SW.	18	SW.	0	0	3	3	10	4	33	1	8	0	23	8	0	0	0	0	0	0	2	0	0	0	0	1
September	5.2	SW.	19	SW.	0	1	17	0	4	2	28	2	6	0	24	5	1	0	0	0	0	0	3	0	3	0	1	0
October	4.7	SW.	15	SW.	0	1	15	0	4	1	33	1	7	0	16	10	5	0	0	0	0	0	6	0	5	0	0	0
November	5.2	NE.	19	SW.	0	0	25	0	1	1	23	2	8	0	17	11	2	1	1	0	0	0	5	0	0	0	0	0
December	4.9	SW.	15	S.	0	8	18	1	0	0	21	9	5	0	24	5	2	1	1	0	0	0	2	0	0	0	0	0
Year	5.5	SW.	35	NW.	0	21	195	29	50	36	303	28	68	0	213	101	51	28	23	0	0	0	30	0	12	0	1	1

LOUISVILLE, KY.

[H=525 ft.; h_1=219 ft.; h_2=214 ft.; h_3=255 ft.]

January	12.7	SW.	50	W.	3	10	5	2	7	8	15	9	6	0	6	9	16	13	11	8	4	0	3	6	0	18	6	0
February	16.3	N.	60	W.	5	15	3	2	2	9	12	9	4	0	8	7	13	7	6	11	4	1	1	8	0	20	2	0
March	17.5	S.	52	W.	9	5	7	3	9	13	13	6	6	0	10	8	13	13	12	6	4	2	0	2	0	7	6	0
April	14.0	S.	62	E.	4	10	8	4	4	15	4	6	8	1	9	9	12	12	9	1	1	0	0	0	0	3	3	0
May	13.8	SW.	61	S.	5	10	7	1	5	10	13	8	8	0	6	12	13	14	9	0	0	2	0	0	0	0	7	0
June	11.0	SW.	44	W.	3	7	4	4	9	13	15	2	6	0	11	10	9	9	8	0	0	0	0	0	3	0	11	0
July	9.2	S.	34	S.	0	9	1	1	8	22	14	3	4	0	9	13	10	13	9	0	0	0	0	0	7	0	10	0
August	8.5	S.	40	NW.	1	13	3	2	7	19	6	5	6	1	12	10	9	8	7	0	0	1	0	0	8	0	6	0
September	9.0	N.	58	SE.	2	22	8	3	7	7	5	1	5	2	18	7	5	7	5	0	0	0	0	0	1	0	5	0
October	13.2	SE.	52	SW.	3	8	2	3	16	11	8	10	4	0	8	11	12	9	7	3	0	0	1	0	0	7	2	0
November	9.3	SW.	39	N.	0	12	4	3	7	7	12	6	6	3	12	7	11	5	3	2	0	0	1	0	0	7	0	0
December	12.3	N.	49	W.	2	21	6	4	3	12	7	5	4	0	7	5	19	11	9	13	10	0	1	13	0	22	0	0
Year	12.2	S.	62	E.	37	142	58	32	84	146	124	70	67	7	116	107	142	121	95	44	23	6	6	30	19	84	58	0

LUDINGTON, MICH.

[H=637 ft.; h_1=60 ft.; h_2=53 ft.; h_3=66 ft.]

January	13.2	W.	40	SW.	1	2	10	5	7	5	9	19	5	0	3	10	18	17	11	24	17	0	1	21	0	31	0	0
February	12.3	NW.	40	SW.	1	9	5	5	7	3	8	7	12	0	1	10	17	16	9	23	16	0	0	22	0	28	0	0
March	12.9	W.	43	W.	1	6	7	6	10	12	4	11	6	0	8	10	13	12	9	14	7	2	2	8	0	26	4	0
April	11.6	N.	36	N.	0	21	8	7	6	8	3	4	3	0	8	10	12	14	9	7	4	0	4	1	0	12	3	4
May	10.1	N.	34	W.	0	23	5	4	5	4	6	5	10	0	17	4	10	9	6	3	2	0	0	0	0	0	2	0
June	10.4	S.	40	S.	2	7	1	9	4	22	8	5	4	0	8	12	10	15	9	0	0	0	1	0	0	0	11	0
July	8.9	S.	38	W.	0	11	5	7	3	21	7	4	4	0	13	13	5	8	7	0	0	0	1	0	0	1	4	1
August	8.9	S.	29	S.	0	12	5	7	5	14	8	8	3	0	14	10	7	8	5	0	0	0	2	0	0	0	4	7
September	8.4	S.	31	S.	0	13	3	11	6	13	4	4	3	3	13	8	9	8	6	0	0	0	1	0	0	0	3	2
October	12.3	W.	44	W.	1	6	4	10	8	8	4	15	7	0	4	4	23	20	14	11	7	0	0	1	0	7	2	1
November	8.8	SE.	34	SW.	0	2	13	9	12	5	6	5	8	0	11	3	16	8	5	6	3	0	3	3	0	16	0	0
December	12.2	SE.	42	NW.	1	7	2	7	21	4	5	2	14	0	0	5	25	21	14	23	18	0	1	19	0	29	0	0
Year	10.8	S.	44	W.	7	119	68	87	94	119	72	89	79	3	100	100	165	156	104	111	74	2	16	75	1	149	33	15

Annual meteorological summary for the year ending December 31, 1917—Continued.

LYNCHBURG, VA.

[ϕ=37° 25′ N.; λ=79° 9′ 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	29.304	29.960	28.700	35.4	41.3	48.8	30.1	39.4	67	13	28	30	72	66	0.158	0.174	2.69	0.62	5.5	3.9	6.5
February	29.272	29.810	28.560	32.5	39.2	47.4	25.4	36.9	73	2	24	28	69	65	.155	.180	1.66	.45	5.3	2.8	5.6
March	29.353	29.700	28.900	39.7	50.0	57.0	36.2	46.6	79	22	31	36	71	61	.179	.217	4.97	1.12	5.6	3.3	5.4
April	29.229	29.713	28.600	49.8	60.9	69.4	45.3	57.4	90	30	40	45	72	39	.266	.320	3.10	1.69	5.1	4.4	5.5
May	29.157	29.469	28.750	57.3	63.8	71.5	49.9	60.7	90	38	45	46	65	56	.307	.327	2.21	.92	3.8	3.6	4.6
June	29.307	29.620	29.010	68.5	73.5	84.3	61.4	72.8	95	49	61	60	76	65	.538	.532	5.17	2.03	3.0	4.5	4.8
July	29.260	29.482	28.920	71.3	76.8	85.8	66.9	76.4	98	59	66	67	83	73	.635	.661	2.97	1.10	5.4	5.6	6.1
August	29.296	29.561	28.940	69.5	76.2	86.5	64.2	75.4	97	50	63	64	81	66	.588	.599	3.53	1.22	2.8	3.7	3.7
September	29.384	29.630	28.980	59.3	64.6	75.0	54.8	64.9	93	39	54	56	84	74	.435	.458	1.96	.85	4.8	3.6	5.6
October	29.327	29.624	28.750	45.0	54.3	66.0	40.1	53.0	83	28	38	43	78	66	.245	.292	2.24	.76	2.8	2.0	4.3
November	29.389	29.900	28.630	37.9	46.7	56.6	33.7	45.2	72	23	29	33	70	61	.162	.196	.25	.25	3.1	2.6	4.9
December	29.480	29.887	28.610	23.8	30.8	38.3	19.6	29.0	62	−4	16	21	69	66	.097	.121	1.70	.78	6.0	3.8	6.3
Year	29.314	29.960	28.560	49.2	56.5	65.6	44.0	54.8	98	−4	41	44	74	65	.314	.340	32.45	2.03	4.4	3.6	5.3

MACON, GA.

[ϕ=32° 50′ N.; λ=83° 38′ W.]

January	29.719	30.150	29.240	46.6	54.7	61.6	42.7	52.2	76	21	44	46	90	74	0.307	0.335	4.69	2.40	6.0	5.4	6.5
February	29.731	30.189	29.320	42.1	52.8	59.6	38.0	48.8	79	8	37	36	80	53	.268	.251	3.23	1.51	5.3	3.7	4.4
March	29.737	30.010	29.320	50.9	60.8	68.3	45.8	57.0	82	27	45	42	81	54	.325	.296	6.21	1.42	5.4	4.2	5.0
April	29.596	29.979	29.180	58.3	70.7	78.7	53.7	66.2	92	40	51	47	76	46	.387	.332	3.94	3.01	2.7	4.2	3.2
May	29.578	29.770	29.200	61.3	72.5	79.1	54.8	67.0	92	42	51	46	70	43	.393	.339	.84	.54	4.2	3.4	4.0
June	29.678	29.920	29.400	72.7	80.6	89.7	66.5	78.1	97	50	64	61	75	53	.606	.545	.40	.16	3.9	5.9	5.0
July	29.652	29.856	29.330	75.8	80.5	90.6	70.5	80.6	97	67	70	68	82	68	.724	.685	4.54	1.01	4.7	7.0	5.8
August	29.638	29.850	29.330	73.7	78.6	88.1	68.9	78.5	95	59	68	68	84	73	.700	.698	5.12	1.76	4.5	6.0	5.5
September	29.664	29.919	29.299	67.0	73.1	81.2	63.5	72.4	94	51	62	62	84	70	.572	.583	4.99	2.50	6.3	5.0	6.3
October	29.688	29.880	29.390	51.1	61.9	72.4	46.8	59.6	85	31	46	49	84	64	.335	.377	.74	.37	2.5	1.8	2.6
November	29.774	30.200	29.150	41.7	54.6	63.9	39.1	51.5	75	27	36	39	82	58	.223	.255	1.65	1.37	2.4	1.5	3.1
December	29.827	30.140	29.120	33.2	41.2	47.8	30.2	39.0	72	13	28	30	80	66	.165	.185	1.31	.93	5.1	3.7	5.6
Year	29.689	30.200	29.120	56.2	65.2	73.4	51.7	62.6	97	8	50	50	81	66	.417	.407	37.66	3.01	4.4	4.3	4.8

MADISON, WIS.

[ϕ=43° 05′ N.; λ=89° 23′ W.]

January	28.938	29.780	28.090	9.5	16.9	22.6	4.9	13.8	43	−16	6	11	84	75	0.062	0.079	1.04	0.46	5.0	4.2	5.1
February	28.986	29.600	28.250	7.0	13.7	21.2	1.0	11.1	42	−21	2	6	79	70	.054	.064	.64	.34	6.1	4.4	5.9
March	28.916	29.480	28.340	26.9	34.1	39.9	23.7	31.8	65	− 4	21	24	79	68	.123	.137	2.00	1.32	6.2	6.1	6.9
April	28.957	29.240	28.490	37.2	45.0	50.5	34.3	42.4	78	24	31	34	78	67	.187	.209	3.29	.79	7.2	7.2	7.2
May	28.923	29.254	28.520	46.5	56.9	60.7	43.4	52.0	82	32	38	40	72	55	.235	.261	3.33	1.14	4.4	5.1	5.5
June	28.924	29.201	28.230	57.4	65.6	69.6	54.0	61.8	82	43	52	56	84	73	.406	.469	6.47	1.42	7.3	7.4	7.1
July	28.914	29.110	28.620	66.5	75.1	80.7	63.0	71.8	95	55	61	64	82	69	.544	.601	3.10	1.87	4.3	5.5	5.3
August	28.976	29.210	28.560	61.7	70.4	76.3	57.8	67.0	88	45	56	56	81	62	.450	.460	2.72	1.92	5.4	4.5	5.5
September	29.084	29.550	28.770	53.9	62.6	68.8	51.2	60.0	81	38	49	51	85	66	.361	.385	2.98	1.01	5.6	4.4	5.2
October	28.931	29.340	28.240	37.2	41.1	47.1	32.9	40.0	68	16	32	32	82	72	.189	.187	3.08	1.33	7.8	7.6	8.0
November	29.135	29.550	28.300	33.6	39.8	45.2	31.2	38.2	65	18	30	34	87	79	.172	.200	.30	.17	6.0	4.6	6.4
December	29.158	29.770	28.620	12.4	16.2	20.3	7.5	13.9	42	−15	8	11	84	78	.077	.083	.45	.22	7.2	5.5	7.0
Year	28.987	29.780	28.090	37.5	44.8	50.2	33.7	42.0	95	−21	32	35	81	70	.238	.261	29.40	1.92	6.0	5.5	6.3

MANTEO, N. C.

[ϕ=35° 54′ N.; λ=75° 40′ W.]

January						55.5	36.2	45.8	66	20							3.88	1.42			
February						53.4	31.5	42.4	74	12							1.90	.50			
March						59.5	39.8	49.6	74	28							3.46	.70			
April						68.5	45.9	57.2	87	32							5.28	3.52			
May						72.9	54.8	63.8	93	44							2.23	1.75			
June						81.7	63.7	72.7	91	50							3.92	.80			
July						85.5	68.8	77.2	96	58							7.86	2.26			
August						84.4	66.4	75.4	99	56							2.66	1.26			
September						76.0	62.9	69.5	91	50							10.83	5.39			
October						67.2	48.9	58.0	80	35							3.40	1.96			
November						59.2	39.3	49.2	70	26							1.22	1.12			
December						45.7	31.5	38.6	60	12							2.62	1.38			
Year						67.5	49.1	58.3	99	12							49.26	5.39			

Annual mereorological summary for the year ending December 31, 1917—Continued.

LYNCHBURG, VA.

[H=681 ft.; h_t=153 ft.; h_r=146 ft.; h_a=188 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.	Aurores.
	Miles		*Mi.*																									
January	7.1	W.	29	NW.	0	5	9	4	4	5	11	15	9	0	8	9	14	12	10	2	1	0	0	3	0	16	0	0
February	9.8	W.	40	NW.	1	8	3	5	0	3	10	13	14	0	8	11	9	8	8	2	1	0	0	4	0	14	0	0
March	8.7	NW.	40	N.	1	7	9	6	3	6	8	7	16	0	12	9	10	15	13	1	1	0	2	0	0	9	2	0
April	7.8	E.	59	W.	1	9	9	15	2	4	6	7	8	0	11	13	6	10	8	1	1	0	1	0	0	1	2	0
May	9.0	NW.	37	SW.	0	15	5	6	4	1	6	15	10	0	17	9	5	10	9	0	0	0	1	0	0	0	5	0
June	6.2	W.	37	NW.	0	17	3	5	1	7	9	15	3	0	11	16	3	12	10	0	0	1	0	0	5	0	13	0
July	5.5	W.	33	NW.	0	6	4	12	2	4	9	18	7	0	7	10	14	12	10	0	0	0	3	0	7	0	10	0
August	4.6	N.	29	NW.	0	14	7	9	8	12	2	4	6	0	17	11	3	11	7	0	0	0	2	0	5	0	6	0
September	6.1	NE.	37	N.	0	9	18	11	2	4	2	6	7	1	10	13	7	13	7	0	0	0	1	0	2	0	3	0
October	6.0	N.	35	NW.	0	11	4	10	2	8	4	10	12	1	17	10	4	8	7	1	0	0	1	0	7	0	7	2
November	5.3	NW.	23	N.	0	11	7	5	0	3	3	12	19	0	17	4	9	2	1	2	0	0	1	0	0	13	0	0
December	5.6	N.	32	NW.	0	14	12	8	0	2	6	10	10	0	6	10	15	8	7	8	7	0	0	12	0	27	0	0
Year	6.8	W.	59	W.	3	126	90	96	28	59	76	132	121	2	141	125	99	121	97	17	11	1	18	19	19	87	43	0

MACON, GA.

[H=370 ft.; h_t=78 ft.; h_r=71 ft.; h_a=87 ft.]

January	5.9	S.	30	NW.	0	4	6	4	3	13	13	5	12	2	7	8	16	15	11	1	0	0	3	0	0	5	1	0
February	8.1	S.	42	NW.	1	2	3	2	3	17	10	10	9	0	14	6	8	11	10	1	1	0	1	2	0	12	4	0
March	6.7	NW.	28	S.	0	7	5	4	7	10	8	6	14	1	12	7	12	12	10	0	0	0	1	0	0	2	5	0
April	5.8	S.	28	W.	0	6	4	4	5	13	9	7	11	1	19	7	4	8	7	0	0	0	1	0	0	1	0	0
May	6.5	NW.	29	SW.	0	8	0	3	4	8	9	7	19	4	15	8	8	7	3	0	0	0	0	0	0	1	0	0
June	5.4	NW.	34	NW.	0	6	1	5	10	8	12	4	12	2	11	10	9	7	4	0	0	0	1	0	17	0	10	0
July	5.1	S.	36	S.	0	2	2	5	7	18	12	9	6	1	8	13	10	15	13	0	0	0	0	0	21	0	15	0
August	4.5	E.	38	NW.	0	6	4	11	10	9	4	2	12	4	10	10	11	14	11	0	0	1	0	0	9	0	13	0
September	6.3	NE.	22	NW.	0	12	24	6	2	7	1	0	7	1	7	7	16	11	9	0	0	0	0	0	7	0	5	0
October	5.4	NW.	25	NW.	0	16	5	3	5	7	4	1	14	7	22	5	4	6	5	0	0	0	4	0	0	2	1	0
November	5.4	NW.	23	NW.	0	15	4	0	3	5	6	3	17	7	19	5	6	5	3	0	0	0	2	0	0	6	2	0
December	6.6	NE.	26	NE.	0	12	19	2	1	4	4	5	14	1	11	5	15	6	5	3	0	0	3	3	0	20	0	0
Year	6.0	NW.	42	NW.	1	96	77	49	60	119	92	59	147	31	155	91	119	117	91	5	1	2	15	5	56	47	69	0

MADISON, WIS.

[H=974 ft.; h_t=70 ft.; h_r=62 ft.; h_a=78 ft.]

January	10.1	W.	38	N.	0	4	6	2	4	6	11	18	11	0	10	12	9	6	5	9	6	0	1	21	0	31	0	0
February	10.5	NW.	33	NW.	0	4	1	1	5	6	4	14	20	1	8	6	14	4	3	10	4	0	0	21	0	28	0	1
March	12.3	W.	33	E.	0	6	3	0	15	4	9	14	11	0	5	10	16	8	6	13	5	0	1	6	0	28	4	2
April	11.0	N.	35	S.	0	14	7	10	5	7	6	3	8	0	4	6	20	14	12	6	4	1	2	0	0	13	5	0
May	10.8	NE.	40	NE.	1	7	18	4	6	2	6	6	12	1	11	11	9	10	9	2	2	0	1	0	0	1	3	0
June	9.5	S.	44	SW.	1	7	6	3	9	6	9	9	10	1	4	10	16	16	11	0	0	0	0	0	0	0	11	1
July	7.3	W.	35	SW.	0	4	5	3	9	8	11	11	10	1	8	16	7	8	7	0	0	1	0	0	5	0	10	2
August	7.1	W.	26	NW.	0	8	3	4	7	8	3	18	11	0	9	9	13	7	3	0	0	1	2	0	0	0	3	8
September	7.7	S.	26	NE.	0	7	5	7	11	13	4	6	7	0	10	10	10	8	6	0	0	0	2	0	0	0	4	1
October	10.7	W.	46	N.	1	5	2	4	9	7	6	17	12	0	3	6	22	13	9	12	3	0	0	2	0	16	0	2
November	8.3	W.	35	N.	0	10	6	3	6	7	6	13	8	1	8	7	15	4	2	8	3	0	4	3	0	14	0	1
December	10.7	NW.	33	S.	0	11	1	0	8	11	4	9	18	0	6	7	18	10	4	15	8	0	0	21	0	30	0	0
Year	9.7	NW.	46	N.	3	87	63	41	94	85	79	138	138	5	86	110	169	108	77	75	35	3	13	74	5	161	40	18

MANTEO, N. C.

[H=12 ft.; h_t=5 ft.; h_r=3 ft.; h_a=42 ft.]

January	.....	SW.	....	.....	....	4	7	2	2	1	11	1	3	0	9	9	13	6	6	0	0	.....	.....	0	0	9	.....	.....
February	.....	NE.	....	.....	....	1	10	0	1	0	8	1	7	0	13	3	12	5	5	1	1	.....	.....	1	0	14	.....	.....
March	.....	NE.	....	.....	....	3	8	7	3	1	8	0	1	0	14	4	13	8	8	0	0	.....	.....	0	0	4	.....	.....
April	.....	SW.	....	.....	....	1	5	5	5	0	11	1	2	0	16	7	7	7	7	0	0	.....	.....	0	0	1	.....	.....
May	.....	SW.	....	.....	....	1	2	6	2	4	8	5	3	0	20	5	6	3	3	0	0	.....	.....	0	1	0	.....	.....
June	.....	SW.	....	.....	....	0	1	3	4	4	18	0	0	0	20	5	5	9	9	0	0	.....	.....	0	1	0	.....	.....
July	.....	SW.	....	.....	....	1	2	3	1	5	17	2	0	0	17	3	11	11	11	0	0	.....	.....	0	8	0	.....	.....
August	.....	NE.	....	.....	....	4	8	6	6	5	1	1	0	0	23	4	4	6	6	0	0	.....	.....	0	3	0	.....	.....
September	.....	N.	....	.....	....	9	8	2	3	2	4	0	2	0	12	3	15	7	6	0	0	.....	.....	0	1	0	.....	.....
October	.....	NE.	....	.....	....	2	11	1	4	1	7	4	1	0	21	3	7	3	3	0	0	.....	.....	0	0	0	.....	.....
November	.....	NE.	....	.....	....	7	8	0	2	0	3	7	3	0	21	0	9	2	2	0	0	.....	.....	0	0	5	.....	.....
December	.....	NE.	....	.....	....	6	11	1	1	1	1	3	7	0	11	0	20	7	7	4	4	.....	.....	3	0	13	.....	.....
Year	.....	SW.	....	.....	....	39	81	36	34	24	97	25	29	0	197	46	122	74	73	5	5	.....	.....	4	14	46	.....	.....

* By eye observations at Manteo.

Annual meteorological summary for the year ending December 31, 1917.—Continued.

MARQUETTE, MICH.

[ϕ=46° 34′ N.; λ=87° 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	29.151	30.030	28.500	10.1	13.2	20.0	5.3	12.6	36	−9	7	10	87	84	0.062	0.070	1.20	0.75	7.8	4.9	6.6
February	29.177	29.780	28.150	3.3	7.5	14.8	−2.1	6.4	40	−18	0	3	85	82	.046	.052	1.59	.51	7.4	5.1	7.1
March	29.165	29.832	28.440	21.3	26.9	32.5	18.1	25.3	52	−10	18	20	85	77	.102	.116	2.97	.82	6.4	5.8	7.1
April	29.279	29.600	28.790	31.9	33.4	37.9	28.8	33.4	54	20	26	25	79	72	.141	.138	1.75	.84	6.2	6.1	6.6
May	29.213	29.540	28.780	42.7	46.0	52.9	36.6	44.8	81	27	32	33	69	62	.183	.199	1.45	.82	5.5	6.2	6.4
June	29.175	29.450	28.630	51.3	53.4	60.8	43.3	52.0	82	33	44	44	77	72	.295	.294	2.48	.53	5.8	4.8	6.6
July	29.134	29.360	28.791	64.0	65.7	73.2	55.9	64.6	105	45	55	56	74	73	.445	.464	1.99	.65	5.4	5.5	6.0
August	29.192	29.470	28.620	57.8	61.2	69.5	51.2	60.4	87	42	53	53	82	76	.394	.413	3.28	1.63	5.4	5.7	6.4
September	29.331	29.760	28.920	53.0	54.9	62.8	48.7	55.8	82	40	46	48	78	78	.316	.337	2.10	.45	7.3	5.6	6.6
October	29.163	29.695	28.553	36.1	37.8	43.7	33.3	38.5	63	26	30	31	79	75	.171	.175	2.96	.88	8.8	8.2	8.6
November	29.377	29.875	28.499	32.0	35.3	41.0	29.8	35.4	67	17	28	28	84	77	.152	.160	1.66	.61	6.9	5.8	7.6
December	29.368	29.930	28.530	13.2	13.8	21.7	7.5	14.6	40	−12	9	10	84	84	.070	.071	3.86	.95	8.6	6.1	7.9
Year	29.227	30.030	28.150	34.7	37.4	44.2	29.7	37.0	105	−18	29	30	80	76	.198	.207	27.29	1.63	6.9	5.8	7.0

MEMPHIS, TENN.

[ϕ=35° 9′ N.; λ=90° 3′ W.]

January	29.698	30.290	29.140	41.2	46.8	52.1	37.3	44.7	72	16	35	36	80	66	0.234	0.242	5.37	1.21	5.7	5.9	6.3
February	29.730	30.262	29.320	36.9	46.9	52.8	33.5	43.2	80	8	28	30	69	54	.185	.203	1.97	.82	4.0	5.8	4.5
March	29.698	30.010	29.350	48.5	56.9	61.3	45.7	53.5	80	19	39	41	71	59	.265	.285	7.51	1.78	5.2	4.6	5.1
April	29.589	29.902	29.250	56.1	65.9	70.3	53.1	61.7	83	37	44	45	66	50	.313	.322	4.13	1.44	5.2	4.7	4.8
May	29.586	29.840	29.160	59.0	69.1	72.7	55.6	64.2	87	43	50	49	72	51	.376	.370	2.91	1.28	4.7	4.5	4.6
June	29.642	29.903	29.380	70.9	81.8	85.0	67.2	76.1	94	51	62	63	75	55	.574	.595	2.51	.93	2.8	4.3	3.0
July	29.594	29.800	29.330	74.5	83.0	86.6	71.5	79.0	95	62	68	70	80	69	.688	.768	5.96	1.62	4.6	4.5	4.0
August	29.615	29.790	29.350	71.7	80.9	86.0	69.5	77.8	93	60	65	72	81	77	.638	.806	2.55	1.10	2.9	5.0	3.9
September	29.679	29.880	29.490	65.4	74.6	80.9	63.5	72.2	90	50	60	64	82	72	.533	.624	1.88	1.30	4.9	4.3	3.7
October	29.681	29.990	29.220	48.9	60.9	67.5	45.6	56.6	84	28	39	39	70	46	.268	.262	1.72	.56	2.3	2.1	2.5
November	29.809	30.160	29.270	45.5	55.6	60.4	43.1	51.8	75	27	36	37	72	52	.224	.225	1.14	.74	4.5	3.9	4.7
December	29.845	30.230	29.150	30.0	35.6	42.0	26.0	34.0	70	2	24	26	79	68	.150	.163	1.33	1.10	5.4	3.6	5.2
Year	29.680	30.290	29.140	54.0	63.2	68.1	51.0	59.6	95	2	46	48	75	60	.371	.405	38.98	1.78	4.4	4.4	4.3

MERIDIAN, MISS.

[ϕ=32° 21′ N.; λ=88° 40′ W.]

January	29.717	30.150	29.320	47.0	54.0	59.5	42.9	51.2	78	21	44	44	90	72	0.329	0.321	5.89	1.29	6.7	5.8	6.3
February	29.740	30.230	29.360	44.6	53.0	61.7	40.2	51.0	81	13	38	38	76	58	.275	.270	5.89	3.10	5.3	4.5	4.6
March	29.716	30.010	29.470	51.6	62.1	69.6	47.9	58.8	83	23	46	44	82	56	.342	.330	6.92	2.33	5.8	4.7	5.0
April	29.596	29.880	29.260	56.2	67.8	75.0	51.9	63.4	86	35	50	49	81	53	.387	.368	4.16	1.49	5.0	4.5	4.3
May	29.589	29.799	29.300	60.5	72.9	78.0	55.3	66.6	92	40	52	49	75	45	.415	.370	.89	.62	4.8	2.7	3.2
June	29.651	29.850	29.390	72.0	83.8	90.4	67.0	78.7	98	52	63	58	74	44	.563	.502	.21	.11	3.5	3.4	2.5
July	29.621	29.840	29.363	74.7	80.8	90.3	70 7	80.5	96	67	70	68	86	68	.732	.693	5.12	2.25	5.6	6.2	4.5
August	29.614	29.762	29.360	72.0	79.0	88.4	68.7	78.6	94	55	68	68	86	71	.683	.689	1.77	.49	3.9	6.5	5.1
September	29.640	29.810	29.320	66.7	74.7	82.0	63.6	72.8	93	50	62	62	86	65	.571	.568	2.25	1.17	5.2	4.8	4.7
October	29.688	29.930	29.370	49.2	62.4	72.2	44.4	58.3	90	28	44	44	82	53	.311	.320	.46	.26	2.1	1.3	1.9
November	29.803	30.140	29.290	41.3	55.4	64.8	39.4	52.1	75	27	36	38	83	54	.225	.238	2.37	1.26	3.3	2.6	3.1
December	29.816	30.140	29.090	35.8	44.2	51.3	32.3	41.8	74	11	32	34	83	69	.196	.216	1.95	.85	5.9	4.4	5.5
Year	29.683	30.230	29.090	56.0	65.8	73.6	52.0	62.8	98	11	50	50	82	59	.422	.407	37.88	3.10	4.8	4.3	4.2

MIAMI, FLA.

[ϕ=25° 48′ N.; λ=80° 12′ W.]

January	30.120	30.340	29.860	67.0	71.2	75.7	64.0	69.8	79	43	62	63	83	75	0.560	0.581	0.11	0.05	2.6	1.4	3.0
February	30.143	30.460	29.850	61.2	66.7	73.2	56.4	64.8	81	27	55	56	80	68	.467	.482	.45	.20	2.8	1.8	2.7
March	30.119	30.260	29.980	71.5	72.3	77.5	67.4	72.4	82	54	62	63	74	74	.569	.586	3.03	2.37	3.7	3.7	4.3
April	29.981	30.220	29.640	71.4	72.9	78.0	65.9	72.0	81	52	61	61	71	66	.549	.537	3.74	3.22	3.2	3.2	3.7
May	29.969	30.140	29.730	75.1	76.9	81.7	69.5	75.6	88	56	65	66	72	70	.636	.658	4.62	2.86	4.0	4.2	4.1
June	30.033	30.170	29.780	79.6	78.6	83.5	74.7	79.1	86	69	71	71	76	77	.766	.755	6.71	1.99	6.2	6.9	6.5
July	30.050	30.190	29.900	81.2	81.1	85.9	76.0	81.0	89	67	72	72	75	74	.793	.789	2.48	.89	3.8	4.7	4.5
August	30.009	30.140	29.880	81.8	80.2	86.7	75.9	81.3	89	71	72	72	74	76	.791	.786	4.32	1.12	5.2	6.8	6.3
September	29.934	30.110	29.790	79.5	78.9	84.3	74.0	79.2	88	70	74	73	82	82	.829	.805	18.55	6.67	4.8	5.3	5.1
October	29.957	30.060	29.810	76.4	77.8	82.3	72.6	77.4	87	63	70	70	82	78	.741	.737	2.11	.77	5.4	5.9	6.3
November	30.075	30.370	29.710	63.9	68.9	74.1	59.9	67.0	80	42	56	56	75	65	.451	.460	.24	.18	3.8	3.7	4.0
December	30.084	30.360	29.850	58.5	65.0	72.0	55.2	63.6	79	34	54	56	85	73	.424	.463	1.46	.74	3.1	2.7	4.3
Year	30.040	30.460	29.640	72.3	74.2	79.6	67.6	73.6	89	27	64	65	77	73	.631	.637	47.82	6.67	4.0	4.2	4.6

Annual meteorological summary for the year ending December 31, 1917—Continued.

MARQUETTE, MICH.

[H=734 ft.; h_1=77 ft.; h_2=70 ft.; h_3=111 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.	Aurora.
	Miles		*Mi.*																									
January	11.4	W.	41	SW.	1	3	2	2	6	6	14	17	12	0	8	8	15	13	9	20	13	0	0	26	0	31	0	0
February	10.8	NW.	42	S.	1	2	1	2	5	5	7	20	14	0	3	9	16	16	10	23	16	0	0	27	0	28	0	0
March	10.8	NW.	43	E.	1	3	4	3	7	9	6	9	20	1	4	10	17	16	11	17	14	0	0	15	0	29	1	0
April	9.5	NW.	33	E.	0	1	5	5	2	1	2	7	37	0	8	6	16	14	10	12	10	0	3	7	0	21	0	1
May	10.4	NW.	40	SW.	1	3	2	2	6	3	2	4	40	0	8	7	16	5	4	3	2	0	1	0	0	8	2	0
June	7.4	NW.	36	SW.	0	8	1	5	11	7	6	4	17	1	6	9	15	18	12	0	0	0	6	0	0	0	6	0
July	8.4	NW.	36	SW.	0	2	0	6	7	13	9	6	17	2	9	11	11	11	7	0	0	0	2	0	2	0	9	2
August	10.0	NW.	55	SE.	1	3	1	6	12	9	10	7	13	1	6	13	12	12	10	0	0	1	4	0	0	0	6	4
September	9.4	W.	36	SE.	0	2	1	4	8	6	11	15	13	0	4	13	13	11	9	0	0	0	0	0	0	0	1	0
October	11.4	W.	39	SW.	0	0	6	5	9	6	10	11	15	0	0	6	25	21	15	14	10	1	0	1	0	13	1	0
November	8.3	NW.	37	NW.	0	5	6	1	7	9	9	15	8	0	2	10	18	11	8	11	10	0	3	4	0	19	0	0
December	13.6	W.	47	S.	2	1	0	0	7	9	9	23	13	0	2	13	16	22	14	23	21	0	0	24	0	31	0	0
Year	10.1	NW.	55	SE.	7	33	29	41	87	83	95	138	219	5	60	115	190	170	119	123	96	2	19	104	2	180	26	7

MEMPHIS, TENN.

[H=399 ft.; h_1=76 ft.; h_2=69 ft.; h_3=97 ft.]

January	10.3	SW.	48	SW.	3	8	7	5	5	13	15	4	5	0	9	7	15	15	14	3	3	0	3	4	0	13	3	0
February	11.3	SW.	60	NW.	1	5	11	2	3	13	12	0	10	0	13	8	7	7	4	2	0	0	0	3	0	12	2	0
March	11.6	S.	42	NW.	1	11	7	0	7	20	8	3	6	0	13	4	14	12	12	2	2	0	1	0	0	3	8	0
April	10.0	S.	64	NW.	5	5	8	3	10	16	7	4	7	0	12	12	6	10	6	0	0	0	0	0	0	0	6	0
May	9.3	SW.	46	W.	2	12	7	4	6	11	14	2	5	1	14	12	5	7	7	0	0	0	1	0	0	0	4	0
June	7.7	SW.	56	NW.	2	7	4	6	5	11	15	7	4	1	19	8	3	6	6	0	0	1	0	0	8	0	7	0
July	7.3	SW.	64	NW.	2	10	4	4	4	13	23	2	2	0	16	10	5	12	11	0	0	0	1	0	9	0	10	0
August	5.6	E.	42	NW.	1	12	7	14	4	11	5	1	8	0	16	10	5	10	7	0	0	0	0	0	9	0	9	0
September	6.1	N.	20	E.	0	16	8	7	14	2	9	0	3	1	17	8	5	4	2	0	0	0	0	0	1	0	4	0
October	9.5	S.	44	NW.	1	15	3	2	12	13	7	2	8	0	22	4	5	7	6	0	0	0	0	0	0	1	3	0
November	6.8	N.	40	SW.	1	11	6	3	7	13	3	5	8	4	13	4	13	4	3	1	0	0	1	0	0	2	2	0
December	8.7	N.	38	SW.	0	13	17	7	7	11	3	1	3	0	14	4	13	5	4	5	4	0	0	10	0	19	0	0
Year	8.7	S.	64	NW.	19	125	89	57	84	147	121	31	69	7	178	91	96	99	82	13	9	2	5	17	27	50	58	0

MERIDIAN, MISS.

[H=375 ft.; h_1=85 ft.; h_2=62 ft.; h_3=93 ft.]

January	6.6	SW.	25	W.	0	4	7	2	6	10	17	3	11	2	8	6	17	14	12	1	0	0	1	0	0	9	2	0
February	7.3	SW.	30	NW.	0	4	8	3	3	6	17	6	8	1	13	7	8	10	9	0	0	1	1	1	0	11	7	0
March	6.6	S.	26	SW.	0	11	6	4	7	15	8	4	6	1	12	8	11	14	12	1	0	0	0	0	0	3	10	0
April	5.9	S.	35	SW.	0	10	3	3	6	12	10	5	7	4	11	14	5	9	8	0	0	2	0	0	0	0	8	0
May	6.6	N.	25	SE.	0	20	2	5	5	9	11	4	4	2	15	15	1	5	3	0	0	0	0	0	3	0	2	0
June	5.7	SW.	25	NE.	0	6	11	3	7	7	17	2	5	2	20	10	0	5	2	0	0	0	0	0	22	0	7	0
July	4.7	SW.	33	NW.	0	1	7	3	7	9	21	11	1	2	12	13	6	14	11	0	0	0	0	0	17	0	20	0
August	3.8	NE.	26	N.	0	6	14	7	4	2	9	6	7	7	8	14	9	12	8	0	0	0	1	0	8	0	18	0
September	5.4	NE.	18	N.	0	12	28	6	2	2	3	0	4	3	11	13	6	7	6	0	0	0	0	0	4	0	5	0
October	5.0	N.	26	NW.	0	18	9	8	5	5	3	1	6	7	24	4	3	6	4	0	0	0	1	0	0	4	0	0
November	4.5	NE.	24	NW.	0	11	12	4	5	9	8	6	6	8	18	6	6	5	3	0	0	0	0	0	0	6	2	0
December	6.3	NE.	31	W.	0	9	16	13	4	3	6	1	10	0	9	10	12	7	5	2	0	0	1	1	0	12	2	0
Year	5.7	SW.	35	SW.	0	112	123	61	61	80	130	49	75	39	161	120	84	108	83	4	0	3	5	2	54	45	83	0

MIAMI, FLA.

[H=25 ft.; h_1=71 ft.; h_2=64 ft.; h_3=79 ft.]

January	7.8	E.	26	NW.	0	4	4	17	12	8	6	4	7	0	18	12	1	3	2	0	0	0	0	0	0	0	0	0
February	8.4	SE.	38	NW.	0	3	3	3	14	5	6	5	17	0	18	9	1	4	3	0	0	0	0	0	0	1	1	0
March	9.7	E.	32	E.	0	6	4	18	17	9	1	1	6	0	14	11	6	7	6	0	0	0	0	0	0	0	4	0
April	10.1	E.	33	SW.	0	7	4	25	12	1	1	2	8	0	19	6	5	9	4	0	0	2	0	0	0	0	4	0
May	8.2	SE.	43	SW.	1	4	6	11	14	12	4	3	8	0	15	11	5	7	7	0	0	0	0	0	0	0	5	0
June	9.0	E.	25	E.	0	4	9	32	12	1	0	0	2	0	8	7	15	10	8	0	0	0	0	0	0	0	8	0
July	7.6	E.	36	SW.	0	1	0	21	21	8	5	3	2	1	14	11	6	10	8	0	0	0	0	0	0	0	8	0
August	7.1	SE.	25	SW.	0	2	3	9	23	4	11	6	3	1	7	10	14	14	11	0	0	0	0	0	0	0	11	0
September	7.6	E.	29	E.	0	8	6	11	14	3	8	2	6	2	5	14	11	26	24	0	0	0	0	0	0	0	15	0
October	7.8	E.	23	NE.	0	11	12	18	5	1	2	2	11	0	5	13	13	13	9	0	0	0	0	0	0	0	3	0
November	10.7	NW.	31	NE.	0	6	15	5	5	2	3	4	20	0	15	8	7	4	1	0	0	0	0	0	0	0	0	0
December	8.1	NW.	37	NW.	0	11	3	8	3	5	3	2	27	0	16	6	9	10	6	0	0	0	3	0	0	0	0	0
Year	8.5	E.	43	SW.	1	67	69	178	152	59	50	34	117	4	154	118	93	117	89	0	0	2	3	0	0	1	59	0

Annual meteorological summary for the year ending December 31, 1917.—Continued.

MILES CITY, MONT.

[ϕ=46° 25′ N.; λ=105° 49′ 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	27.443	28.120	26.840	9.3	16.0	25.2	4.1	14.6	48	−35	5	10	82	76	0.071	0.080	0.81	0.24	4.5	5.8	5.0
February	27.548	28.210	26.660	4.6	13.8	22.0	0.3	11.2	46	−38	2	8	84	76	.058	.073	.75	.20	7.0	6.6	6.0
March	27.467	28.100	26.850	16.7	30.0	35.5	14.4	25.0	51	−18	13	22	83	73	.090	.126	.65	.40	5.5	5.1	4.2
April	27.470	27.780	27.040	34.4	47.7	53.2	32.4	42.8	72	24	31	35	87	62	.172	.205	1.02	.25	6.4	6.4	5.7
May	27.465	27.760	26.980	45.2	61.2	65.7	42.4	54.0	92	32	39	40	78	50	.240	.250	2.29	.89	5.2	4.4	4.1
June	27.455	27.946	26.940	53.8	70.6	76.4	49.9	63.2	94	34	46	49	77	50	.320	.354	1.99	.64	3.4	4.8	3.6
July	27.407	27.757	27.060	66.9	88.9	92.3	63.8	78.0	106	53	54	56	64	35	.416	.457	.63	.37	3.2	3.2	2.6
August	27.507	27.840	27.200	56.9	81.2	84.3	55.8	70.0	96	44	47	53	72	42	.325	.415	.56	.24	3.8	3.8	2.7
September	27.513	27.890	27.055	48.8	69.3	75.4	46.8	61.1	93	38	43	51	81	55	.282	.379	T.	T.	4.2	4.4	3.4
October	27.545	28.200	27.050	36.7	48.6	55.1	34.7	44.9	82	12	32	36	82	64	.190	.227	.72	.31	5.1	5.2	4.5
November	27.602	27.970	27.150	30.5	48.8	57.5	29.9	43.7	75	22	27	39	87	68	.149	.238	.04	.04	1.8	2.2	1.9
December	27.555	28.220	26.990	10.6	14.1	21.7	4.8	13.2	50	−22	7	8	84	74	.077	.085	2.50	.51	6.6	6.1	6.2
Year	27.498	28.220	26.660	34.5	49.2	55.4	31.6	43.5	106	−38	29	34	80	60	.199	.241	11.96	.89	4.7	4.8	4.2

MILWAUKEE, WIS.

[ϕ=43° 2′ N.; λ=87° 54′ W.]

January	29.239	30.090	28.408	14 9	20.3	27.1	10.3	18.7	43	−10	12	16	87	82	0.083	0.099	1.42	0.67	4.7	4.0	4.3
February	29.281	29.910	28.540	10.4	16.6	22.9	5.2	14.0	44	−15	8	13	87	85	.068	.086	.56	.25	4.8	4.4	4.5
March	29.220	29.800	28.600	31.0	34.9	41.4	27.3	34.4	71	4	27	29	84	79	.154	.164	1.53	.90	5.6	5.1	5.9
April	29.262	29.550	28.720	38.3	41.3	47.0	34.4	40.7	71	26	33	35	82	77	.198	.209	3.98	1.39	6.4	6.4	6.2
May	29.209	29.510	28.720	46.0	51.8	57.9	42.4	50.2	86	33	38	38	76	76	.236	.280	3.54	1.66	4.3	4.4	4.2
June	29.221	29.510	28.680	57.3	61.3	67.9	52.1	60.0	85	44	53	56	86	80	.410	.440	10.03	5.76	6.1	5.1	5.8
July	29.201	29.413	28.910	66.9	72.6	77.8	62.7	70.2	98	53	60	62	80	71	.533	.564	1.53	.37	4.3	3.5	4.0
August	29.267	29.500	28.800	64.2	68.8	76.1	59.9	68.0	88	44	56	57	76	68	.460	.471	.58	.53	3.3	4.1	4.2
September	29.383	29.780	29.030	56.1	61.2	67.1	53.6	60.4	80	40	50	51	81	70	.372	.383	4.08	1.95	4.9	3.7	4.4
October	29.228	29.610	28.580	40.0	43.9	48.8	36.1	42.4	69	20	34	35	80	72	.207	.210	4.88	1.62	6.5	7.6	7.2
November	29.429	29.880	28.560	36.7	40.3	45.7	34.7	40.2	67	20	32	34	84	79	.188	.202	.39	.20	5.3	5.2	5.4
December	29.463	30.020	28.930	16.1	20.0	24.8	12.7	18.8	45	− 8	12	15	81	78	.086	.096	.87	.63	7.3	5.3	6.3
Year	29.284	30.090	28.408	39.8	44.4	50.4	36.0	43.2	98	−15	35	37	82	76	.250	.267	33.39	5.76	5.3	4.9	5.2

MINNEAPOLIS, MINN.

[ϕ=44° 59′ N.; λ=93° 18′ W.]

January	29.002	29.880	28.410	.....	9.7	15.6	−1.5	7.0	42	−25	....	6	....	82	.....	0.060	1.57	0.81	.....	4.3	5.1
February	29.001	29.560	28.080	.....	9.4	15.2	−3.9	5.6	42	−25	....	5	....	80	.....	.059	.43	.17	.....	4.8	5.2
March	28.966	29.650	28.500	.....	30.7	34.5	19.9	27.2	57	−15	....	24	....	75	.....	.131	2.74	1.11	.....	4.8	5.5
April	29.015	29.330	28.560	.....	46.3	50.0	33.8	41.9	78	25	....	32	....	58	.....	.186	1.70	.64	.....	6.8	7.0
May	28.981	29.320	28.620	.....	61.9	65.2	44.0	54.6	86	30	....	32	....	36	.....	.194	4.24	2.07	.....	4.2	3.8
June	28.930	29.280	28.370	.....	68.4	72.8	53.8	63.3	88	43	....	53	....	59	.....	.416	3.77	1.25	.....	5.6	5.6
July	28.931	29.120	28.626	.....	77.3	81.8	64.2	73.0	99	52	....	61	....	59	.....	.561	4.06	1.79	.....	3.7	3.9
August	29.019	29.220	28.710	.....	72.7	76.9	58.0	67.4	91	46	....	54	....	52	.....	.423	2.83	1.64	.....	4.5	4.2
September	29.097	29.590	28.740	.....	63.5	69.0	51.0	60.0	84	37	....	50	....	63	.....	.374	2.16	1.35	.....	5.8	5.6
October	28.975	29.470	28.460	.....	40.9	45.8	31.4	38.6	68	18	....	30	....	67	.....	.172	1.70	.42	.....	7.3	8.1
November	29.162	29.590	28.530	.....	41.0	45.5	32.1	38.8	62	19	....	34	....	75	.....	.197	.06	.06	.....	5.1	6.6
December	29.214	29.910	28.590	.....	12.0	17.8	2.0	9.9	46	−24	....	7	....	79	.....	.071	.41	.12	.....	5.2	6.7
Year	29.029	29.910	28.080	.....	44.5	49.2	32.1	40.6	99	−25	....	32	....	65	.....	.237	25.67	2.07	.....	5.2	5.6

MOBILE, ALA.

[ϕ=30° 41′ N.; λ=88° 02′ W.]

January	30.062	30.400	29.640	52.1	57.7	64.9	49.5	57.2	77	32	48	51	86	80	0.358	0.398	3.04	1.40	6.3	6.0	6.6
February	30.096	30.590	29.750	50.5	55.6	63.1	45.8	54.4	78	19	44	46	90	78	.355	.368	4.95	2.58	5.1	3.6	4.6
March	30.067	30.330	29.750	57.9	63.8	71.3	55.4	63.4	80	30	51	54	79	74	.418	.466	2.28	.83	5.8	5.5	5.4
April	29.941	30.230	29.580	60.8	68.3	75.4	57.8	66.6	84	43	54	56	79	68	.442	.480	2.50	1.24	3.6	3.7	3.8
May	29.931	30.140	29.580	65.4	72.4	77.9	61.9	69.9	89	49	56	58	73	63	.483	.515	2.05	1.06	4.4	3.3	4.6
June	29.999	30.140	29.755	75.1	80.6	86.2	71.6	78.9	96	58	68	66	78	63	.688	.664	2.23	.84	3.2	4.2	4.1
July	29.966	30.170	29.660	78.0	80.9	89.0	73.9	81.4	96	67	72	72	82	75	.782	.780	10.54	3.07	3.9	7.0	5.8
August	29.938	30.080	29.690	75.7	80.6	89.6	72.4	81.0	95	66	71	72	87	78	.771	.787	6.42	1.48	4.8	6.4	5.4
September	29.929	30.120	29.105	70.8	76.8	84.6	68.9	76.8	93	58	66	67	85	72	.646	.666	6.00	3.82	5.3	5.0	5.4
October	30.007	30.190	29.770	66.8	65.8	74.1	53.3	63.7	85	36	50	53	79	64	.396	.427	.70	.51	2.0	1.0	2.6
November	30.133	30.460	29.620	48.0	59.4	66.8	46.4	56.6	76	33	41	42	76	56	.267	.282	1.43	1.13	2.1	1.2	3.0
December	30.137	30.460	29.470	42.1	50.7	57.2	39.2	48.2	77	17	37	41	82	71	.238	.290	1.85	.57	6.0	4.0	5.2
Year	30.017	30.590	29.105	61.1	67.7	75.0	58.0	66.5	96	17	55	56	80	70	.487	.510	44.89	3.82	4.4	4.2	4.7

Annual meteorological summary for the year ending December 31, 1917—Continued.

MILES CITY, MONT.

[H=2,371 ft.; h_t=48 ft.; h_r=39 ft.; h_a=55 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 of 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.	Thunderstorm.	Auroras.
	Miles		*Mi.*																									
January	6.7	SE.	36	NW.	0	4	6	5	15	8	7	6	11	0	9	16	6	10	6	12	10	0	0	19	0	30	0	0
February	6.0	NE.	45	NW.	1	10	14	4	6	4	1	3	13	1	9	11	8	11	8	10	10	0	1	20	0	27	0	0
March	6.1	NE.	39	W.	0	3	13	5	8	5	11	11	6	0	13	15	3	6	4	10	6	0	1	9	0	29	0	0
April	7.3	E.	34	NW.	0	12	11	14	6	2	1	3	11	0	5	19	6	12	8	9	7	0	1	0	0	16	1	0
May	7.2	NE.	30	NW.	0	1	27	14	15	1	1	0	3	0	15	10	6	8	6	1	1	0	0	0	1	0	1	0
June	6.7	W.	30	N.	0	10	4	5	8	9	6	12	6	0	15	11	4	9	6	0	0	0	0	0	2	0	4	0
July	5.9	N.	24	N.	0	15	8	10	6	4	4	6	7	2	24	7	0	5	4	0	0	0	0	0	19	0	4	0
August	5.2	E.	30	NW.	0	12	4	19	5	7	3	5	6	1	21	10	0	6	5	0	0	0	0	0	12	0	3	0
September	5.8	E.	36	W.	0	14	7	16	8	5	2	8	0	0	17	9	4	0	0	0	0	0	0	0	3	0	0	0
October	7.5	NW.	27	NW.	0	6	2	2	6	6	2	11	27	0	12	14	5	9	7	4	4	0	0	1	0	13	0	0
November	4.1	NE.	19	S.	0	5	12	10	10	7	5	3	8	0	25	3	2	1	1	0	0	0	1	0	0	24	0	0
December	5.5	NE.	32	NW.	0	5	15	7	14	8	4	0	8	1	2	19	10	17	12	14	12	0	0	17	0	29	0	0
Year	6.2	NE.	45	NW.	1	97	123	111	107	66	47	68	106	5	167	144	54	94	67	60	50	0	4	66	37	168	13	0

MILWAUKEE, WIS.

[H=681 ft.; h_t=125 ft.; h_r=117 ft.; h_a=139 ft.]

January	12.5	SW.	53	E.	1	3	2	1	2	4	21	17	12	0	15	8	8	8	7	11	8	0	1	19	0	31	0	0
February	11.8	W.	34	SE.	0	3	1	1	3	2	12	18	16	0	12	9	7	7	4	13	7	0	0	19	0	28	0	0
March	13.1	W.	45	SE.	3	6	2	5	7	6	11	19	6	0	8	11	12	9	6	12	5	0	1	6	0	20	3	1
April	12.2	NE.	42	E.	1	14	14	4	6	4	6	5	7	0	8	11	11	10	9	5	2	0	1	0	0	10	2	0
May	12.2	N.	43	N.	1	22	10	2	8	0	2	14	4	0	16	7	8	10	9	1	0	2	1	0	0	0	3	0
June	9.8	SW.	46	SW.	2	12	5	1	12	2	13	11	4	0	10	9	11	12	10	0	0	1	4	0	0	0	0	0
July	8.1	SW.	30	NW.	0	12	6	4	10	2	10	13	5	0	14	11	6	8	6	0	0	1	1	0	4	0	3	0
August	8.6	W.	28	N.	0	10	6	1	10	4	10	14	7	0	13	14	4	3	1	0	0	0	1	0	0	0	2	0
September	9.0	SE.	37	E.	0	12	6	6	10	5	8	3	10	0	14	9	7	10	9	0	0	0	0	0	0	0	2	0
October	11.8	W.	37	NE.	0	3	2	5	7	3	15	16	11	0	6	6	19	13	12	6	2	0	0	2	0	8	2	0
November	9.6	W.	34	NW.	0	15	4	3	4	2	9	15	8	0	11	8	11	5	4	6	2	0	3	2	0	11	0	0
December	11.6	NW.	36	SE.	0	5	1	0	3	8	12	14	19	0	9	7	15	10	4	16	9	0	0	19	0	27	0	0
Year	10.9	W.	53	E.	8	117	59	33	82	42	129	159	109	0	136	110	119	105	81	70	35	4	13	67	4	135	26	1

MINNEAPOLIS, MINN.

[H=918 ft.; h_t=102 ft.; h_r=91 ft.; h_a=208 ft.]

January	11.5	W.	44	N.	1	6	2	1	2	2	5	10	3	0	10	12	9	7	6	15	7	0	1	26	0	31	0	0
February	12.9	W.	43	W.	2	0	1	1	1	3	3	13	6	0	11	6	11	10	4	16	10	0	0	24	0	28	0	1
March	13.8	W.	38	NE.	0	3	3	1	3	4	2	10	5	0	11	9	11	8	5	12	5	1	0	14	0	26	2	0
April	11.4	NE.	37	N.	0	4	8	4	4	2	1	1	6	0	7	6	17	12	10	5	2	0	0	0	0	9	2	0
May	10.6	N.	53	SW.	1	12	10	2	1	1	4	0	1	0	18	5	8	9	7	0	0	1	0	0	0	2	6	0
June	11.7	NW.	47	SE.	4	3	1	3	2	7	4	2	8	0	9	14	7	13	10	0	0	2	0	0	0	0	9	0
July	10.5	SE.	44	NW.	1	5	2	0	6	5	4	4	5	0	15	10	6	14	10	0	0	2	1	0	7	0	13	3
August	11.0	NW.	39	NW.	0	2	4	1	4	5	4	3	8	0	14	10	7	5	4	0	0	0	1	0	1	0	2	5
September	10.2	S.	38	NW.	0	2	4	1	5	8	1	6	3	0	10	9	11	9	6	0	0	0	3	0	0	0	5	0
October	14.0	NW.	46	N.	2	2	1	1	7	3	1	5	11	0	1	9	21	11	9	13	4	1	1	3	0	17	2	0
November	9.4	SE.	49	NW.	1	2	1	4	9	1	3	6	4	0	7	6	17	2	0	6	2	0	6	3	0	12	0	0
December	12.2	NW.	44	NW.	1	0	1	1	6	5	2	3	13	0	6	10	15	7	4	16	7	0	0	23	0	31	0	0
Year	11.4	NW.	53	SW.	13	41	38	20	50	46	34	63	73	0	119	106	140	107	75	83	37	7	12	93	8	156	41	9

MOBILE, ALA.

[H=57 ft.; h_t=125 ft.; h_r=119 ft.; h_a=161 ft.]

January	10.7	S.	49	NW.	1	15	4	4	5	16	8	0	10	0	7	8	16	13	8	0	0	0	5	0	0	1	2	0
February	11.5	S.	44	NW.	4	3	2	3	4	15	12	2	15	0	13	7	8	13	10	0	0	1	4	0	0	6	5	0
March	11.6	S.	38	NW.	0	6	6	4	13	19	4	0	10	0	8	15	8	6	5	0	0	0	1	0	0	1	3	0
April	10.9	S.	32	NW.	0	10	4	2	10	12	12	2	7	1	14	12	4	7	6	0	0	0	0	0	0	0	5	0
May	11.8	S.	30	N.	0	16	5	2	2	16	11	1	7	2	11	16	4	7	5	0	0	0	0	0	0	0	4	0
June	9.5	SW.	37	SW.	0	6	4	0	0	14	27	6	3	0	14	11	5	6	5	0	0	1	0	0	2	0	9	0
July	8.4	SW.	50	N.	2	4	0	0	3	14	25	7	9	0	5	17	9	18	15	0	0	0	0	0	12	0	19	0
August	6.8	NW.	40	N.	1	10	7	3	1	6	9	11	13	2	8	15	8	17	16	0	0	0	0	0	15	0	21	0
September	10.3	NE.	98	N.	1	9	18	8	0	3	7	3	11	1	9	12	9	9	9	0	0	0	0	0	7	0	6	0
October	9.7	N.	34	NW.	0	24	4	5	4	9	8	0	8	0	21	8	2	5	3	0	0	0	1	0	0	0	1	0
November	8.9	N.	27	NW.	0	24	5	1	2	9	4	4	11	0	17	9	4	3	3	0	0	0	2	0	0	0	0	0
December	10.1	N.	43	SW.	1	20	19	3	4	4	5	1	6	0	10	14	7	11	7	1	0	0	0	0	0	8	1	0
Year	10.0	N.	98	N.	10	147	78	35	48	137	132	37	110	6	137	144	84	115	92	1	0	2	13	0	36	16	75	0

* Prevailing direction by eye observations at Miles City.

Annual meteorological summary for the year ending December 31, 1917—Continued.

MODENA, UTAH.

[ϕ=37° 48′ N.; λ=113° 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	24.636	24.980	24.190	6.5	19.8	28.5	−1.4	13.6	43	−18	4	14	88	76	0.053	0.081	1.06	0.72	2.8	3.8	3.2
February	24.638	25.020	24.010	18.3	33.7	36.9	15.5	26.2	49	− 7	15	23	88	64	.094	.123	.83	.40	4.2	4.8	4.0
March	24.601	25.000	24.150	20.7	41.4	44.6	17.3	31.0	68	− 1	14	15	75	35	.080	.083	.68	.36	2.8	3.7	2.8
April	24.517	24.910	24.020	29.7	53.2	57.4	27.8	42.6	75	16	22	18	71	31	.116	.105	1.17	.90	3.0	4.6	3.7
May	24.490	24.700	24.260	38.3	56.8	60.3	35.6	48.0	78	28	31	32	77	44	.179	.186	2.23	.65	4.4	5.4	5.5
June	24.654	24.970	24.340	45.9	79.1	81.7	44.0	62.8	92	30	26	24	48	16	.142	.138	T.	T.	0.1	1.3	0.9
July	24.657	24.810	24.480	60.7	85.6	90.2	58.8	74.5	97	46	44	42	56	26	.300	.278	1.03	.47	3.9	4.7	4.4
August	24.702	24.840	24.550	54.8	80.8	86.2	52.7	69.4	92	42	39	34	59	23	.254	.211	.26	.10	3.3	3.6	4.1
September	24.693	24.830	24.440	45.0	73.7	77.7	42.9	60.3	88	31	29	27	56	22	.171	.160	.79	.62	1.2	1.6	3.0
October	24.728	24.960	24.430	35.2	64.1	70.8	31.4	51.1	84	14	18	17	48	17	.104	.098	0	0	0.3	2.0	1.4
November	24.763	25.050	24.450	25.8	46.5	55.5	22.4	39.0	70	13	18	22	74	38	.099	.115	.16	.16	2.3	3.5	4.4
December	24.723	24.970	24.449	23.5	41.8	52.3	19.9	36.1	65	9	16	19	73	41	.088	.102	.20	.20	2.2	2.9	3.9
Year	24.650	25.050	24.010	33.7	56.4	61.8	30.6	46.2	97	−18	23	24	68	36	.140	.140	8.41	.90	2.5	3.5	3.4

MONTGOMERY, ALA.

[ϕ=32° 23′ N.; λ=86° 18′ W.]

January	29.888	30.280	29.450	48.9	56.2	61.3	45.5	53.4	78	25	45	45	86	68	0.327	0.329	7.38	1.37	6.2	5.1	6.5
February	29.912	30.430	29.510	45.1	53.9	61.3	40.0	50.6	81	10	38	38	74	58	.284	.274	4.86	2.75	5.4	4.4	4.8
March	29.893	30.160	29.600	53.9	63.4	70.1	50.2	60.2	82	25	47	45	77	54	.351	.338	10.65	5.93	5.9	3.8	5.0
April	29.757	30.090	29.380	58.6	71.0	77.3	54.2	65.8	89	40	50	48	75	46	.338	.348	2.66	1.43	4.1	3.3	4.2
May	29.744	29.940	29.370	61.9	73.5	79.0	57.0	68.0	93	45	51	48	68	43	.394	.357	1.80	.71	4.1	3.1	3.6
June	29.815	30.000	29.510	73.4	83.0	90.8	68.3	79.6	98	52	65	60	76	48	.629	.525	1.33	.45	3.7	4.4	3.8
July	29.788	30.010	29.500	75.2	79.6	89.5	71.2	80.4	95	66	71	69	86	72	.752	.714	5.26	1.23	5.6	7.4	5.8
August	29.765	29.960	29.500	74.0	79.5	88.1	70.2	79.2	94	62	69	69	85	73	.717	.726	3.04	.83	4.4	6.2	5.4
September	29.785	30.020	29.190	68.4	76.2	82.5	65.2	73.8	93	52	62	61	82	63	.578	.562	12.00	6.12	5.1	4.9	5.1
October	29.838	30.030	29.540	52.9	64.3	72.5	48.2	60.4	86	34	47	47	81	54	.349	.345	.82	.68	1.9	1.2	2.2
November	29.948	30.350	29.380	44.9	57.8	64.5	42.7	53.6	75	30	38	38	78	50	.243	.239	1.87	1.31	3.0	2.8	2.9
December	29.979	30.300	29.270	36.5	45.1	51.1	33.2	42.2	73	15	30	34	77	66	.184	.211	1.86	.84	5.9	3.5	5.1
Year	29.843	30.430	29.190	57.8	67.0	74.0	53.8	63.9	98	10	51	50	79	58	.433	.414	53.53	6.12	4.6	4.2	4.5

MOORHEAD, MINN.

[ϕ=46° 52′ N.; λ=96° 44′ W.]

January	29.014	29.836	28.440	−4.4	1.7	9.5	−11.0	−0.8	40	−32	−8	−2	81	82	0.031	0.043	0.65	0.22	5.2	3.6	4.2
February	29.108	29.680	27.870	−4.1	2.6	9.6	−10.3	−0.4	39	−32	−8	−2	81	78	.035	.043	.85	.19	5.5	4.0	4.5
March	28.981	29.760	28.390	19.0	29.3	34.4	17.0	25.7	55	−27	16	25	87	84	.103	.137	.40	.20	5.0	5.2	4.0
April	29.050	29.340	28.610	31.8	43.3	48.3	30.2	39.2	58	21	29	32	89	67	.160	.187	1.90	.72	5.2	5.3	5.0
May	29.024	29.364	28.561	43.3	64.0	68.4	38.7	53.6	90	28	36	36	76	37	.217	.220	.38	.24	2.1	2.6	1.9
June	28.924	29.300	28.510	55.1	69.8	74.8	47.6	61.2	95	34	48	50	78	52	.353	.367	1.52	.96	3.3	3.4	2.9
July	28.905	29.213	28.473	63.9	79.3	85.7	59.3	72.5	110	42	59	62	86	56	.519	.566	.81	.30	3.1	3.8	1.5
August	28.972	29.236	28.602	55.6	73.2	80.4	52.4	66.4	94	41	52	55	87	54	.393	.468	.77	.37	3.4	3.1	2.4
September	29.071	29.626	28.705	47.8	61.3	69.9	45.6	57.8	89	27	46	52	93	73	.321	.401	1.16	.24	5.3	4.4	4.6
October	28.985	29.650	28.480	30.1	37.8	44.3	25.9	35.1	75	5	26	32	86	79	.150	.182	.76	.33	6.5	6.5	6.3
November	29.157	29.553	28.600	30.0	37.0	44.9	27.3	36.1	67	13	28	33	90	86	.151	.193	.19	.17	6.1	4.9	5.2
December	29.232	30.004	28.540	−1.3	4.5	11.3	−6.0	2.6	45	−29	−4	0	84	79	.042	.053	.55	.11	5.6	5.4	5.6
Year	29.035	30.004	27.870	30.6	42.0	48.5	26.4	37.4	110	−32	27	31	85	69	.206	.238	9.94	.96	4.7	4.4	4.0

MOUNT TAMALPAIS, CAL.

[ϕ=37° 56′ N.; λ=122° 35′ W.]

January	27.645	27.880	27.250	39.6	43.1	46.8	36.5	41.6	58	21	23	27	56	56	0.135	0.154	2.43	0.67	2.6	2.7	3.2
February	27.598	27.920	26.950	43.8	46.8	50.9	40.4	45.6	61	31	30	35	65	69	.177	.208	5.49	1.89	3.8	4.6	5.5
March	27.684	28.010	27.270	39.8	45.5	50.2	37.0	43.6	66	28	27	33	65	64	.156	.190	1.46	.69	0.8	2.5	3.6
April	27.563	27.860	27.215	45.1	51.2	55.0	42.6	48.8	68	31	33	35	69	59	.200	.210	1.28	.65	2.6	2.6	4.1
May	27.515	27.770	27.250	45.4	51.5	57.4	41.7	49.6	72	35	35	40	71	67	.208	.245	.12	.04	1.5	2.5	3.0
June	27.568	27.760	27.340	60.5	69.4	73.8	56.5	65.2	91	42	28	38	39	34	.173	.229	0	0	0.5	0.3	0.5
July	27.502	27.660	27.370	71.0	77.9	82.4	65.5	74.0	94	44	37	42	34	30	.220	.272	.02	.02	1.2	0.7	0.8
August	27.549	27.690	27.410	67.6	74.7	78.6	63.0	70.8	87	47	42	45	42	38	.277	.317	0	0	0.7	0.5	0.9
September	27.546	27.650	27.360	62.1	69.2	74.0	58.4	66.2	93	45	42	42	54	44	.271	.281	.18	.18	1.2	1.3	2.5
October	27.579	27.750	27.364	66.0	70.2	74.5	61.9	68.2	87	44	35	36	35	31	.210	.212	0	0	0.9	1.3	1.6
November	27.659	27.870	27.400	51.4	54.6	58.7	48.3	53.5	73	40	33	38	66	61	.236	.241	1.37	.45	3.0	3.6	4.6
December	27.662	27.870	27.450	50.9	53.2	57.4	48.0	52.7	72	39	37	36	63	56	.232	.217	1.22	.81	1.9	2.9	3.5
Year	27.589	28.010	26.950	53.6	58.9	63.3	50.0	56.6	94	21	34	37	55	51	.209	.231	13.48	1.89	1.7	2.1	2.8

Annual meteorological summary for the year ending December 31, 1917—Continued.

MODENA, UTAH.

[H=5,479 ft.; h_1=10 ft.; h_r=2 ft.; h_a=43 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	7.8	W.	49	NW.	1	8	14	4	1	0	9	20	6	0	17	10	4	4	3	7	4	0	1	20	0	31	0	0
February	11.3	SW.	51	SW.	3	2	14	3	1	1	18	14	2	1	11	11	6	5	4	12	5	0	0	4	0	25	0	0
March	11.9	W.	58	SW.	4	5	5	11	1	2	14	15	9	0	19	9	3	7	6	8	7	0	0	3	0	30	0	0
April	11.1	SW.	48	SW.	3	4	3	6	1	4	18	19	5	0	14	11	5	6	6	6	3	1	0	0	0	26	2	0
May	11.6	SW.	50	SW.	2	6	7	5	0	8	17	12	7	0	9	10	12	15	13	0	0	0	0	0	0	7	6	0
June	11.2	SW.	49	SW.	1	1	2	3	2	6	17	23	5	1	29	1	0	0	0	0	0	0	0	0	3	1	1	0
July	9.9	SW.	42	S.	1	5	6	2	1	3	17	21	7	0	14	11	6	7	6	0	0	0	0	0	22	0	13	0
August	9.7	W.	46	W.	1	1	3	1	2	1	19	28	7	0	16	8	7	7	4	0	0	0	0	0	6	0	10	0
September	10.0	SW.	44	SW.	2	3	1	10	0	9	15	21	1	0	18	8	4	5	4	0	0	0	0	0	0	1	3	0
October	9.0	W.	35	W.	0	3	7	12	3	2	9	24	2	0	25	5	1	0	0	0	0	0	0	0	0	14	1	0
November	8.0	W.	36	SW.	0	3	6	8	1	3	12	26	0	1	14	9	7	1	1	2	1	0	1	0	0	28	0	0
December	9.1	W.	29	N.	0	1	9	6	1	0	11	30	4	0	18	5	8	1	1	2	1	0	1	1	0	31	0	0
Year	10.0	W.	58	SW.	18	42	77	71	14	39	176	253	55	3	204	98	63	58	48	37	21	1	3	28	31	194	36	0

MONTGOMERY, ALA.

[H=223 ft.; h_t=100 ft.; h_r=71 ft.; h_a=112 ft.]

January	7.1	SW.	27	NW.	0	7	4	6	6	9	12	6	11	1	7	10	14	14	13	0	0	0	1	0	0	3	1	0
February	8.6	S.	42	NW.	1	4	2	2	9	12	10	5	12	0	13	4	11	10	10	2	0	0	0	1	0	10	5	0
March	7.7	SE.	30	SW.	0	9	6	5	13	11	8	2	8	1	10	12	9	15	13	0	0	1	0	0	0	3	8	0
April	6.8	SW.	29	W.	0	9	4	2	9	8	14	5	8	1	12	12	6	7	5	0	0	0	0	0	0	0	3	0
May	7.6	N.	30	SW.	0	18	3	2	4	5	14	5	10	1	16	12	3	5	5	0	0	0	0	0	3	0	4	0
June	6.5	SW.	30	NE.	0	11	3	5	7	9	19	4	2	0	13	15	2	7	5	0	0	0	0	0	20	0	10	0
July	5.1	S.	35	NW.	0	3	4	4	8	15	15	6	5	2	7	14	10	15	13	0	0	0	0	0	19	0	15	0
August	4.6	NE.	25	N.	0	9	11	8	10	6	6	5	6	1	10	11	10	16	13	0	0	0	0	0	9	0	13	0
September	6.6	NE.	39	NE.	0	8	21	17	3	3	3	3	3	0	13	5	12	7	6	0	0	0	0	0	8	0	4	0
October	6.1	N.	24	NW.	0	13	7	11	6	6	7	3	8	1	24	3	4	3	3	0	0	0	2	0	0	0	2	0
November	5.9	N.	22	N.	0	20	8	3	3	4	6	4	12	0	19	5	6	3	2	0	0	0	0	0	0	1	0	0
December	6.8	E.	29	SE.	0	13	7	17	6	2	5	4	8	0	13	5	23	6	4	2	0	0	1	0	0	12	0	0
Year	6.6	N.	42	NW.	1	124	79	82	84	90	119	51	93	8	157	108	100	108	92	4	0	1	4	1	59	29	65	0

MOORHEAD, MINN.

[H=940 ft.; h_1=8 ft.; h_r=3 ft.; h_a=57 ft.]

January	9.1	NW.	29	N.	0	12	3	1	5	12	6	6	17	0	14	9	8	7	6	7	7	0	0	29	0	31	0	0
February	10.1	NW.	40	NW.	1	10	1	1	8	2	8	8	18	0	12	9	7	11	7	12	11	0	0	27	0	28	0	0
March	10.2	NW.	44	NW.	1	12	2	3	6	9	6	5	19	0	16	7	8	5	3	7	5	0	0	14	0	29	0	0
April	8.2	N.	30	SE.	0	20	14	7	8	1	2	2	6	0	11	9	10	10	9	3	2	0	0	0	0	19	0	0
May	7.4	NE.	25	NE.	0	15	16	6	3	7	7	2	6	0	24	4	3	4	3	1	0	0	0	0	1	4	2	0
June	8.5	S.	38	NW.	0	10	3	6	9	10	7	6	9	0	21	2	7	10	6	0	0	0	0	0	2	0	5	0
July	7.2	SE.	28	NW.	0	10	10	0	13	10	5	2	12	0	26	5	0	8	5	0	0	0	0	0	10	0	5	0
August	7.6	NW.	36	NW.	0	9	1	5	9	11	4	7	16	0	21	8	2	6	5	0	0	0	0	0	4	0	4	0
September	7.9	SE.	28	NW.	0	4	11	9	14	8	0	4	9	1	11	12	7	10	9	0	0	0	0	0	0	2	1	0
October	10.7	NW.	36	NW.	0	6	2	2	7	7	4	8	26	0	8	8	15	10	5	8	6	0	0	5	0	20	0	0
November	7.2	SE.	32	NW.	0	7	5	2	15	13	6	4	8	0	14	5	11	3	1	2	2	0	4	4	0	24	0	0
December	9.4	NW.	30	NW.	0	7	8	2	11	10	3	0	21	0	10	7	14	11	0	12	11	0	0	27	0	31	0	0
Year	8.6	NW.	44	NW.	2	122	76	44	108	100	58	54	167	1	188	85	92	95	66	52	44	0	4	106	17	188	17	0

MOUNT TAMALPAIS, CAL.

[H=2,375 ft.; h_t=11 ft.; h_r=5 ft.; h_a=18 ft.]

January	21.0	N.	84	NW.	12	16	12	2	2	2	5	7	16	0	20	3	8	9	8	0	0	0	10	1	0	8	0	0
February	22.1	N.	73	W.	13	13	7	1	8	3	8	7	8	1	9	8	11	11	11	2	2	2	10	0	0	4	0	0
March	21.4	NW.	69	NW.	24	8	1	0	0	0	5	15	32	1	16	11	4	5	5	5	2	1	8	0	0	9	0	0
April	19.8	NW.	76	NW.	17	4	3	0	0	0	11	18	24	0	13	11	6	9	7	0	0	0	14	0	0	2	0	0
May	19.5	NW.	92	NW.	18	4	0	0	0	1	1	27	29	0	21	5	5	5	1	0	0	0	11	0	0	0	0	0
June	21.6	NW.	84	NW.	18	2	1	1	1	1	1	17	36	0	30	0	0	0	0	0	0	0	1	0	1	0	0	0
July	15.6	W.	64	NW.	16	0	0	0	0	1	15	31	15	0	29	2	0	1	0	0	0	0	1	0	5	0	0	0
August	11.9	W.	60	NW.	7	1	4	0	0	2	10	34	10	1	28	3	0	0	0	0	0	0	2	0	0	0	0	0
September	14.2	W.	58	NW.	12	6	2	1	1	1	7	22	18	2	22	6	2	2	1	0	0	0	5	0	2	0	0	0
October	13.6	N.	47	N.	9	17	12	5	0	2	6	6	11	3	26	4	1	0	0	0	0	0	2	0	0	0	0	0
November	13.9	NW.	58	NW.	4	5	9	8	6	6	7	5	11	3	14	7	9	7	4	0	0	0	11	0	0	0	0	0
December	13.6	N.	52	NW.	3	12	16	7	4	1	6	4	11	1	20	5	6	5	3	0	0	0	4	0	0	0	0	0
Year	17.4	N.W	92	NW.	153	88	67	25	22	20	82	193	221	12	248	65	52	54	40	7	4	3	79	1	8	23	0	0

* Prevailing direction by eye observations at Moorhead.

Annual meteorological summary for the year ending December 31, 1917—Continued.

NANTUCKET, MASS.

[ϕ=41° 17′ N.; λ=70° 06′ 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	30.700	29.350	29.6	31.9	37.5	25.4	31.4	50	8	25	28	83	84	0.146	0.158	2.68	0.62	6.5	6.0	7.0	
February	29.894	30.429	28.940	26.5	28.0	33.9	21.2	27.6	49	6	22	23	81	79	.128	.130	2.96	.76	6.9	5.4	6.4	
March	30.022	30.534	29.340	34.9	34.9	41.0	29.4	35.2	48	21	30	30	80	84	.166	.173	5.85	2.01	5.6	4.1	6.1	
April	29.914	30.370	29.250	41.4	39.5	47.5	35.6	41.6	67	25	36	36	82	85	.219	.211	4.21	1.31	5.8	4.3	6.6	
May	29.783	30.290	29.450	48.2	45.7	53.9	42.3	48.1	68	34	42	42	82	88	.273	.272	4.22	1.53	6.4	5.9	6.1	
June	30.020	30.330	29.790	61.2	57.3	67.2	54.0	60.6	77	44	58	56	90	95	.484	.445	7.69	1.87	5.0	5.2	5.9	
July	29.962	30.220	29.620	67.6	64.6	73.6	61.4	67.5	90	54	64	63	89	95	.603	.582	3.32	1.94	5.2	5.1	6.5	
August	30.020	30.340	29.500	69.4	65.5	75.5	62.8	69.2	82	55	65	64	87	93	.621	.590	1.56	1.02	2.8	1.6	4.5	
September	30.080	30.534	29.510	60.4	56.8	66.4	53.0	59.7	77	46	54	54	81	89	.427	.417	2.37	1.16	4.7	3.1	5.6	
October	30.043	30.430	29.340	53.0	51.6	58.3	47.0	52.6	64	40	48	48	84	87	.341	.335	4.59	1.60	5.0	4.0	6.0	
November	29.999	30.494	29.440	39.0	39.9	45.8	34.6	40.2	56	18	32	33	77	76	.189	.196	.62	.32	4.8	3.4	5.3	
December	30.130	30.743	29.240	28.8	28.9	35.2	23.7	29.4	54	8	24	23	82	77	.136	.130	2.13	.63	7.4	6.3	7.6	
Year	29.987	30.743	28.940	46.7	45.4	53.0	40.9	46.9	90	6	42	42	83	86	.311	.303	42.20	2.01	5.5	4.5	6.1	

NARRAGANSETT PIER, R. I.

[ϕ=41° 19′ N.; λ=71° 17′ W.]

January						33.1	21.1	27.1	48	−1							3.86	1.06				
February						30.4	17.8	24.1	42	−3							4.10	1.18				
March						37.4	27.6	32.5	48	14							5.83	1.05				
April						48.9	33.8	41.4	66	19							2.94	.70				
May						56.7	41.1	48.9	80	32							3.95	1.05				
June						68.0	55.0	61.5	78	46							3.51	1.03				
July						75.9	62.0	69.0	97	53							1.79	.35				
August						77.1	62.9	70.0	84	54							3.64	1.78				
September						67.9	49.1	58.5	78	33							3.81	2.60				
October						58.2	40.8	49.5	66	30							5.52	1.77				
November						47.6	28.5	38.0	61	10							.34	.20				
December						33.2	16.6	24.9	52	−13							2.23	.90				
Year						52.9	38.0	45.4	97	−13							41.52	2.60				

NASHVILLE, TENN.

[ϕ=36° 10′ N.; λ=86° 47′ W.]

January	29.520	30.130	28.940	39.2	44.0	50.3	33.3	41.8	73	11	34	35	82	71	0.223	0.230	7.27	1.81	6.5	5.6	7.1	
February	29.545	30.070	29.130	33.5	42.2	50.3	29.2	39.8	79	1	27	29	76	61	.173	.187	2.76	.97	6.0	4.4	5.8	
March	29.533	29.800	29.150	43.9	53.1	59.1	40.7	49.9	79	14	36	38	76	60	.234	.253	8.06	1.94	4.1	5.1	5.1	
April	29.412	29.760	28.930	52.6	64.9	71.4	48.0	59.7	86	32	43	42	70	48	.290	.292	4.05	1.66	4.1	3.9	4.5	
May	29.402	29.630	28.980	55.9	67.7	72.2	51.3	61.8	86	41	47	48	73	51	.336	.344	4.75	2.23	3.5	4.3	4.7	
June	29.482	29.762	29.140	67.2	78.2	83.1	62.9	73.0	94	47	62	62	82	58	.558	.559	8.03	2.73	4.2	3.3	4.1	
July	29.430	29.660	29.130	72.0	80.7	86.6	67.7	77.2	95	60	66	66	83	63	.656	.642	3.25	.99	4.9	4.1	5.4	
August	29.454	29.640	29.180	69.2	78.7	85.1	66.1	75.6	94	53	65	64	86	63	.616	.619	3.02	.78	3.6	3.1	4.2	
September	29.514	29.718	29.270	63.1	73.8	80.2	60.4	70.3	90	46	60	61	89	65	.527	.547	1.51	1.13	4.0	4.2	4.8	
October	29.509	29.790	29.090	45.5	57.5	64.7	41.6	53.2	82	30	40	39	80	51	.258	.257	2.25	.82	4.1	3.3	3.6	
November	29.625	30.040	28.980	40.2	52.5	57.7	38.1	47.9	71	23	35	34	81	52	.207	.205	.85	.54	5.1	3.9	4.9	
December	29.673	30.044	28.830	26.4	33.5	40.6	22.1	31.4	70	0	22	23	83	66	.130	.138	1.46	.48	5.3	5.1	5.8	
Year	29.508	30.130	28.830	50.7	60.6	66.8	46.8	56.8	95	0	45	45	80	59	.351	.356	47.26	2.73	4.6	4.2	5.0	

NEW HAVEN, CONN.

[ϕ=41° 18′ N.; λ=72° 56′ W.]

January	29.899	30.640	29.260	27.5	31.5	38.2	23.1	30.6	50	4	20	24	73	73	0.119	0.139	3.34	1.10	6.8	4.8	6.6	
February	29.828	30.390	28.840	22.6	27.5	33.8	17.8	25.8	51	−2	16	20	75	70	.104	.113	2.16	.51	5.9	4.5	5.6	
March	29.948	30.460	29.380	34.4	38.1	44.5	30.3	37.4	56	16	29	31	80	74	.167	.175	6.21	1.44	5.9	3.7	5.5	
April	29.846	30.267	29.140	42.8	45.6	53.5	38.1	45.8	71	26	36	35	78	70	.217	.219	3.00	1.30	6.0	4.8	5.6	
May	29.719	30.200	29.440	50.2	52.4	60.0	44.4	52.2	82	34	38	39	64	63	.233	.246	3.45	1.31	5.7	6.4	6.4	
June	29.907	30.240	29.670	63.5	66.7	75.1	58.9	67.0	86	51	57	58	80	75	.469	.489	3.36	.86	6.6	6.2	6.2	
July	29.860	30.130	29.550	71.1	72.9	81.0	65.5	73.2	99	58	64	65	78	78	.600	.626	3.35	1.04	6.2	5.9	5.9	
August	29.911	30.240	29.530	71.1	73.3	81.6	65.4	73.5	94	55	62	64	75	74	.577	.609	2.53	.86	3.8	5.0	4.1	
September	30.007	30.450	29.430	57.4	61.9	70.8	51.0	60.9	82	39	49	50	74	66	.354	.375	2.23	1.20	4.2	2.7	4.7	
October	29.950	30.310	29.250	48.0	51.2	58.9	42.5	50.7	70	32	41	42	77	72	.299	.280	4.68	1.65	5.0	4.4	5.2	
November	29.954	30.500	29.320	34.5	39.9	47.7	31.2	39.4	61	15	24	26	85	87	.133	.147	1.08	.74	3.0	2.7	3.8	
December	30.093	30.670	29.000	19.6	23.2	31.0	15.8	23.4	46	−12	13	14	73	65	.085	.091	3.90	1.59	5.5	4.6	4.9	
Year	29.910	30.670	28.840	45.2	48.7	56.3	40.3	48.3	99	−12	37	39	74	70	.277	.292	39.29	1.65	5.4	4.6	5.4	

Annual meteorological summary for the year ending December 31, 1917—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	15.7	NW.	42	SW.	4	3	2	1	7	4	9	16	20	0	7	8	16	13	11	12	6	0	4	8	0	26	0	0
February	17.5	NW.	70	SW.	5	5	1	3	2	5	12	15	13	0	6	11	11	13	11	10	6	0	5	12	0	26	2	0
March	16.6	NW.	60	E.	7	6	8	2	7	7	8	11	13	0	13	6	12	14	11	6	5	0	7	2	0	23	1	0
April	15.1	NW.	59	NE.	3	5	14	3	6	4	8	6	14	0	9	6	15	13	10	3	1	0	4	0	0	3	2	0
May	17.5	W.	60	NE.	4	9	10	3	4	1	13	15	7	0	8	13	12	12	12	1	1	0	3	0	0	0	4	0
June	14.1	SW.	37	SW.	0	1	3	0	6	12	30	4	4	0	3	15	10	15	13	0	0	0	15	0	0	0	3	0
July	14.8	SW.	48	SW.	3	3	5	4	2	4	32	11	1	0	5	14	12	10	9	0	0	0	20	0	1	0	3	0
August	12.4	SW.	44	N.	1	2	11	2	11	12	15	5	4	0	18	7	6	10	2	0	0	0	17	0	0	0	2	0
September	14.4	NE.	67	NE.	3	5	19	3	5	4	14	6	4	0	11	9	10	10	7	0	0	0	6	0	0	0	1	0
October	16.7	SW.	68	SW.	5	6	11	5	4	12	9	10	5	0	6	15	10	12	8	0	0	0	2	0	0	0	3	0
November	14.9	NW.	42	NE.	2	9	6	1	5	4	4	12	19	0	11	11	8	4	3	4	1	0	0	2	0	8	0	0
December	19.0	NW.	76	SW.	7	17	10	4	2	2	5	8	14	0	4	7	20	14	9	14	8	0	1	11	0	28	0	0
Year	15.7	SW.	76	SW.	44	71	100	31	61	71	159	119	118	0	101	122	142	140	106	50	28	0	84	35	1	114	26	0

NARRAGANSETT PIER, R. I.

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

January	.....	W.	....	.....	....	1	7	0	1	3	5	10	4	0	10	4	17	16	13	10	5	2	0	13	0	28	0	0
February	.....	SW.	....	.....	....	1	2	0	0	2	9	7	7	0	14	5	9	10	8	7	4	1	2	11	0	27	1	0
March	.....	NW.	....	.....	....	0	4	3	7	0	6	4	7	0	13	6	12	14	12	8	4	1	4	7	0	27	0	0
April	.....	NE.	....	.....	....	1	6	4	5	2	2	5	5	0	14	2	14	13	13	1	1	2	2	0	0	15	1	0
May	.....	NE.	....	.....	....	1	10	2	3	4	7	3	1	0	9	10	12	13	12	0	0	0	0	0	0	1	2	0
June	.....	S.	....	.....	....	0	4	1	4	10	10	0	1	0	16	2	12	13	12	0	0	0	10	0	0	0	6	0
July	.....	SW.	....	.....	....	1	4	1	3	6	15	1	0	0	17	6	8	13	11	0	0	0	6	0	1	0	8	0
August	.....	S.	....	.....	....	1	3	5	1	8	6	6	1	0	19	9	3	10	10	0	0	0	3	0	0	0	6	0
September	.....	NE.	....	.....	....	3	9	2	0	4	7	4	1	0	21	2	7	10	9	0	0	0	2	0	0	0	1	0
October	.....	W.	....	.....	....	2	3	1	5	6	1	8	5	0	19	6	6	12	10	0	0	0	2	0	0	4	2	0
November	.....	NW.	....	.....	....	5	0	3	0	1	3	5	13	0	22	3	5	3	2	1	1	0	1	4	0	22	0	0
December	.....	NW.	....	.....	....	4	6	1	0	1	1	4	14	0	16	6	9	8	6	9	2	0	1	13	0	30	0	0
Year	.....	SW.	....	.....	....	20	58	23	29	47	72	57	59	0	190	61	114	135	118	36	17	6	33	48	1	154	27	0

NASHVILLE, TENN.

[H=546 ft.; h_t=168 ft.; h_r=161 ft.; h_a=191 ft.]

January	10.4	S.	49	S.	2	8	5	1	12	13	9	8	6	0	7	4	20	16	13	3	2	0	0	4	0	13	4	0
February	12.1	NW.	58	NW.	1	6	4	4	9	7	9	6	11	0	8	10	10	11	8	6	2	1	1	4	0	12	2	0
March	13.0	SE.	38	NW.	0	4	4	9	15	8	4	7	9	2	13	6	12	17	13	2	2	0	0	2	0	5	6	0
April	10.9	E.	49	SW.	4	7	4	10	8	9	6	8	8	0	15	6	9	9	9	0	0	1	0	0	0	0	5	0
May	11.0	NW.	46	NW.	5	5	5	0	7	7	14	7	17	0	14	7	10	7	6	0	0	2	0	0	0	0	5	0
June	7.3	S.	44	W.	2	5	5	9	7	11	8	5	10	0	15	8	7	13	12	0	0	0	1	0	6	0	14	0
July	5.9	SW.	37	N.	0	4	2	5	10	7	14	11	7	2	9	13	9	11	9	0	0	0	0	0	8	0	12	0
August	6.0	N.	38	NW.	0	12	4	9	8	3	7	11	7	1	15	8	8	10	10	0	0	0	1	0	3	0	8	0
September	6.3	NE.	39	E.	0	9	12	7	9	5	3	8	6	1	11	13	6	5	4	0	0	0	1	0	1	0	4	0
October	10.1	S.	38	S.	0	2	3	5	10	16	4	6	16	0	17	9	5	7	7	1	0	1	2	0	0	5	1	0
November	6.7	NW.	31	NW.	0	8	8	5	7	3	7	10	12	0	12	7	11	4	3	1	0	0	0	0	0	6	1	0
December	9.0	NE.	42	W.	2	8	11	8	5	9	3	7	10	1	9	10	12	10	8	9	9	0	1	10	0	23	0	0
Year	9.1	NW.	58	NW.	16	78	67	72	107	98	88	94	119	7	145	101	119	120	102	22	15	5	7	20	18	64	62	0

NEW HAVEN, CONN.

[H=106 ft.; h_t=117 ft.; h_r=111 ft.; h_a=155 ft.]

January	9.2	NW.	44	S.	1	9	4	7	1	9	14	5	13	0	9	5	17	13	12	12	5	0	1	7	0	25	1	0
February	9.8	NW.	45	NW.	1	10	2	1	2	10	10	6	15	0	9	8	11	15	9	10	9	0	2	10	0	27	0	0
March	9.6	NW.	40	NW.	1	5	4	2	9	5	15	9	13	0	10	10	11	16	12	11	8	0	1	1	0	15	0	0
April	8.9	NW.	41	NW.	1	10	6	9	3	9	1	4	18	0	8	11	11	14	11	1	1	0	0	0	0	4	1	0
May	10.2	NW.	35	S.	0	18	6	1	4	7	7	6	13	0	5	11	15	16	10	1	0	1	0	0	0	0	4	0
June	6.8	SE.	28	SW.	0	6	2	4	18	13	7	4	6	0	6	11	13	19	16	0	0	0	2	0	0	0	6	0
July	7.6	S.	34	NW.	0	4	8	3	4	24	12	4	2	1	8	13	10	12	10	0	0	0	0	0	3	0	10	0
August	8.1	S.	26	NW.	0	10	6	4	9	21	3	3	6	0	16	9	6	9	8	0	0	0	0	0	2	0	10	0
September	7.8	N.	29	SW.	0	18	11	2	1	4	7	1	14	2	13	10	7	7	5	0	0	0	0	0	0	0	1	0
October	10.4	N.	46	S.	2	13	6	0	5	12	10	4	12	0	12	8	11	12	9	0	0	1	0	0	0	0	6	0
November	9.3	NW.	32	NW.	0	14	2	0	1	0	8	7	28	0	17	6	7	5	4	1	1	0	0	3	0	14	0	0
December	11.7	N.	43	NW.	1	24	4	1	1	3	9	4	16	0	15	3	13	8	5	9	7	0	1	14	0	30	0	0
Year	9.1	NW.	46	S.	7	141	61	34	58	117	103	57	156	3	128	105	132	146	111	45	31	2	7	35	5	115	39	0

* Prevailing direction by eye observations at Narragansett Pier.

Annual meteorological summary for the year ending December 31, 1917—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	30.059	30.380	29.690	55.3	61.0	67.3	52.4	59.8	80	34	52	54	88	80	0.412	0.444	4.12	2.23	4.9	5.0	6.3
February	30.091	30.650	29.770	52.9	60.3	68.1	49.6	58.8	83	26	49	52	88	74	.405	.436	3.19	1.03	5.1	3.7	5.1
March	30.054	30.380	29.808	60.6	67.3	74.0	58.2	66.1	83	36	58	57	91	72	.511	.509	3.03	2.16	5.9	4.8	6.4
April	29.938	30.190	29.640	62.9	69.9	76.7	59.7	68.2	86	48	59	63	86	80	.512	.590	4.11	2.29	3.6	4.1	3.7
May	29.924	30.150	29.630	67.3	74.4	79.8	64.5	72.2	89	54	60	61	78	65	.536	.563	1.63	.91	5.0	3.9	4.4
June	30.003	30.170	29.767	75.8	81.8	88.6	72.3	80.4	94	62	69	69	81	67	.726	.724	2.77	1.88	2.5	3.7	4.5
July	29.971	30.160	29.690	78.7	82.3	90.7	74.6	82.6	98	68	74	73	86	73	.837	.801	8.35	2.12	2.9	7.1	6.1
August	29.943	30.090	29.710	78.1	82.0	90.1	75.1	82.6	95	72	73	72	85	75	.816	.804	6.92	2.35	3.9	6.7	5.8
September	29.929	30.090	29.560	73.0	78.5	85.2	71.2	78.2	92	65	68	67	83	69	.685	.671	2.69	1.29	4.1	4.6	5.5
October	30.013	30.230	29.810	60.2	67.9	75.3	57.6	66.4	87	40	53	52	78	59	.432	.422	.71	.37	2.4	1.5	2.4
November	30.150	30.460	29.660	52.0	60.4	67.8	50.3	59.0	78	38	44	44	76	57	.304	.298	.34	.20	1.8	0.7	2.1
December	30.133	30.470	29.470	46.0	52.6	59.3	43.6	51.4	78	19	43	46	89	80	.292	.337	2.16	.84	5.5	4.4	5.3
Year	30.017	30.650	29.470	63.6	69.9	76.9	60.8	68.8	98	19	58	59	84	71	.539	.550	40.02	2.35	4.0	4.2	4.8

NEW YORK, N. Y.

[ϕ=40° 43′ N.; λ=74° 0′ W.]

January	29.673	30.380	29.020	29.5	33.4	39.7	25.2	32.4	52	7	20	21	68	61	0.120	0.127	2.44	0.94	7.0	4.6	6.8
February	29.612	30.165	28.770	24.8	29.5	36.3	19.4	27.8	55	0	16	16	68	55	.106	.101	1.70	.39	6.8	4.4	6.5
March	29.723	30.200	29.190	36.4	40.1	45.3	32.1	38.7	64	18	26	26	66	59	.148	.147	3.38	.98	5.7	3.5	6.2
April	29.611	30.064	28.925	43.4	47.5	55.1	39.3	47.2	79	25	33	33	67	59	.195	.201	2.35	.72	6.5	5.9	6.7
May	29.495	29.930	29.200	50.3	53.9	60.8	45.5	53.2	82	38	39	39	68	60	.246	.245	3.29	1.12	6.4	7.0	7.4
June	29.675	29.980	29.420	64.6	68.3	76.4	60.2	68.3	87	53	57	58	78	71	.474	.484	5.57	3.88	5.9	7.6	6.5
July	29.645	29.884	29.320	71.1	73.8	80.9	67.3	74.1	98	58	64	65	80	76	.617	.626	5.96	1.65	6.6	7.4	7.1
August	29.684	29.990	29.300	71.2	74.6	82.2	67.0	74.6	98	56	63	63	78	70	.596	.589	1.79	1.05	4.2	5.5	5.2
September	29.776	30.170	29.230	68.9	63.8	70.4	55.5	63.0	83	43	50	50	74	63	.376	.382	2.74	1.72	5.6	4.1	6.1
October	29.714	30.044	29.100	48.6	52.0	59.3	44.6	52.0	74	29	41	41	75	68	.286	.275	5.68	2.06	4.8	4.5	5.6
November	29.734	30.270	29.050	36.8	42.5	48.4	34.0	41.2	63	18	27	28	67	57	.152	.164	.68	1.24	3.0	3.6	4.1
December	29.861	30.370	28.750	22.3	26.2	32.3	17.7	25.0	46	−13	14	14	70	58	.092	.095	3.70	1.41	5.5	4.7	5.8
Year	29.684	30.380	28.750	46.5	50.5	57.3	42.3	49.8	98	−13	38	38	72	63	.282	.286	39.28	3.88	5.7	5.2	6.2

NORFOLK, VA.

[ϕ=36° 51′ N.; λ=76° 17′ W.]

January	29.983	30.630	29.380	39.0	44.1	51.2	34.5	42.8	68	19	35	36	84	73	0.215	0.220	2.28	0.53	4.7	4.2	6.0
February	29.954	30.505	29.250	34.8	40.4	48.1	29.6	38.3	74	8	28	28	75	63	.182	.181	1.88	.41	4.5	4.2	5.5
March	30.028	30.460	29.530	43.6	47.6	55.6	38.8	47.2	75	29	37	37	78	69	.234	.224	4.60	.96	5.3	3.5	5.2
April	29.889	30.378	29.256	52.8	56.9	67.3	47.8	57.6	86	34	44	44	73	65	.303	.306	2.61	1.19	3.9	3.3	4.3
May	29.788	30.160	29.480	58.9	63.6	71.6	53.3	62.4	91	43	47	46	66	56	.333	.323	1.98	.62	2.7	3.7	4.2
June	29.963	30.210	29.740	70.2	73.4	83.6	64.8	74.2	95	57	64	64	82	73	.609	.596	4.65	1.17	5.2	5.2	5.0
July	29.913	30.154	29.540	73.8	76.3	85.1	69.4	77.2	98	64	70	68	87	77	.726	.693	11.73	2.53	5.5	6.8	5.9
August	29.931	30.220	29.590	74.6	76.0	85.2	70.3	77.8	98	64	68	66	80	72	.684	.642	4.54	1.68	3.1	3.1	4.2
September	29.999	30.250	29.570	66.3	67.4	74.0	62.4	68.2	90	53	60	58	81	74	.532	.502	5.26	2.85	5.4	4.0	5.9
October	29.981	30.280	29.390	53.8	57.7	67.0	49.4	58.2	81	37	47	46	79	68	.340	.333	2.89	.81	2.8	1.7	2.9
November	30.032	30.590	29.290	43.5	48.5	54.5	41.1	47.8	70	26	36	36	74	64	.217	.222	.59	.38	4.2	2.9	4.2
December	30.132	30.570	29.220	30.8	33.9	39.9	27.8	33.8	61	5	25	25	79	70	.147	.142	2.62	.74	5.8	4.7	6.1
Year	29.966	30.630	29.220	53.5	57.2	65.3	49.1	57.2	98	5	47	46	78	69	.377	.365	45.63	2.85	4.5	3.9	5.0

NORTHFIELD, VT.

[ϕ=44° 10′ N.; λ=72° 41′ W.]

January	28.979	29.682	28.280	12.7	16.2	26.1	2.9	14.5	46	−21	9	12	85	83	0.075	0.082	3.20	1.19	7.5	6.1	7.6
February	28.912	29.460	28.210	6.7	13.1	24.9	−1.4	11.8	49	−27	5	8	89	77	.065	.068	.74	.20	6.6	5.5	6.5
March	29.051	29.532	28.400	22.8	29.0	36.2	15.7	26.0	53	−10	18	21	81	73	.103	.118	2.20	.71	6.2	6.2	6.1
April	29.001	29.430	28.390	35.5	38.6	45.3	29.5	37.4	64	15	29	30	79	72	.166	.171	2.05	.59	7.3	7.0	7.6
May	28.883	29.320	28.490	43.7	46.1	53.4	35.0	44.2	75	26	35	37	73	73	.209	.224	2.26	.52	7.6	7.7	7.8
June	29.057	29.380	28.820	59.9	61.0	70.6	50.9	60.8	84	45	52	54	78	78	.401	.417	5.40	1.11	6.7	8.2	7.0
July	29.023	29.317	28.730	67.2	68.2	79.5	56.0	67.8	94	43	60	61	79	78	.535	.540	3.08	1.06	6.3	6.5	5.9
August	29.087	29.420	28.670	61.7	64.5	76.0	54.2	65.1	95	43	58	60	85	87	.500	.532	3.18	.87	6.1	6.3	7.1
September	29.180	29.630	28.560	48.7	51.5	66.6	39.2	52.9	79	24	45	47	88	87	.311	.338	1.40	.42	4.6	4.8	5.9
October	29.079	29.440	28.330	40.5	42.5	51.2	33.2	42.2	66	22	35	37	82	80	.213	.221	5.82	1.95	7.5	6.9	8.8
November	29.106	29.680	28.580	23.7	27.2	37.4	18.1	27.8	59	− 6	20	22	84	79	.111	.120	1.04	.73	6.6	5.7	7.3
December	29.226	29.900	28.170	1.9	7.6	19.4	−5.2	7.1	44	−41	−1	4	88	86	.054	.065	1.90	.93	5.8	5.3	7.7
Year	29.049	29.900	28.170	35.4	38.8	48.9	27.3	38.1	95	−41	30	33	83	79	.229	.241	32.29	1.95	6.6	6.4	7.1

Annual meteorological summary for the year ending December 31, 1917—Continued.

NEW ORLEANS, LA.

[H=53 ft.; h_t=76 ft.; h_r=71 ft.; h_a=84 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction and 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	7.8	SW.	25	NW.	0	8	12	2	7	10	15	1	6	1	9	7	15	13	10	0	0	0	7	0	0	0	2	0
February	7.9	SW.	31	N.	0	9	3	4	10	7	15	3	4	1	9	10	9	11	9	0	0	0	3	0	0	4	3	0
March	8.2	S.	29	NW.	0	3	8	2	15	19	8	1	6	0	7	9	15	6	5	0	0	0	3	0	0	0	2	0
April	7.9	SE.	24	NW.	0	8	4	2	14	14	4	6	8	0	14	13	3	7	6	0	0	0	1	0	0	0	2	0
May	7.7	NE.	34	NW.	0	5	12	7	12	10	8	3	5	0	10	15	6	5	4	0	0	0	0	0	0	0	2	0
June	5.6	SW.	21	NE.	0	1	7	1	3	17	18	8	5	0	12	14	4	5	4	0	0	0	1	0	9	0	6	0
July	5.5	SW.	38	NE.	0	0	1	1	11	9	23	9	7	1	5	15	11	14	13	0	0	1	0	0	22	0	20	0
August	4.9	W.	33	NE.	0	3	4	3	5	6	12	14	15	0	4	19	8	19	14	0	0	0	0	0	16	0	17	0
September	7.3	NE.	30	NE.	0	5	24	8	9	3	2	3	6	0	8	15	7	6	6	0	0	0	0	0	5	0	6	0
October	6.9	NE.	26	N.	0	8	15	7	10	7	9	1	5	0	20	9	2	5	4	0	0	0	3	0	0	0	1	0
November	6.1	NW.	21	NW.	0	10	12	0	11	3	5	5	14	0	21	7	2	2	2	0	0	0	7	0	0	0	1	0
December	7.9	NE.	32	SW.	0	7	14	15	7	5	7	0	7	0	12	7	12	8	6	0	0	0	2	0	0	5	3	0
Year	7.0	SW.	38	NE.	0	67	116	52	114	110	126	54	88	3	131	140	94	101	83	0	0	1	27	0	52	9	65	0

NEW YORK, N. Y.

[H=314 ft.; h_t=414 ft.; h_r=407 ft.; h_a=454 ft.]

January	19.3	NW.	68	NW.	15	7	0	4	3	7	12	11	18	0	7	8	16	14	13	8	6	0	2	7	0	21	0	0
February	20.8	NW.	70	NW.	12	6	1	1	0	7	9	12	20	0	4	14	10	11	9	11	5	0	3	7	0	27	0	0
March	20.8	NW.	72	NW.	15	5	5	5	4	9	5	12	17	0	9	7	15	13	11	7	5	0	2	1	0	15	0	0
April	18.0	NW.	68	NW.	10	6	5	10	6	5	4	3	21	0	6	10	14	12	9	3	3	0	1	0	0	3	3	0
May	18.5	NW.	58	NW.	10	8	11	6	2	7	6	3	19	0	4	10	17	13	9	0	0	0	0	0	0	0	5	0
June	14.2	S.	50	NW.	5	6	0	6	10	18	8	4	8	0	4	14	12	11	8	0	0	0	2	0	0	0	6	0
July	13.3	SW.	50	SW.	4	3	2	10	3	15	16	7	6	0	3	13	15	10	10	0	0	1	1	0	2	0	7	0
August	13.1	S.	52	S.	3	8	2	6	4	15	15	4	8	0	9	13	9	9	4	0	0	1	0	0	2	0	8	0
September	12.8	N.	51	NW.	1	11	11	6	2	8	7	2	13	0	6	13	11	6	4	0	0	0	0	0	0	0	0	0
October	18.4	NW.	62	S.	11	8	6	4	4	13	4	11	12	0	10	8	13	10	8	0	0	0	0	0	0	1	2	0
November	17.4	NW.	56	NW.	8	8	2	4	2	1	7	5	31	0	16	7	7	4	2	3	1	0	1	3	0	9	0	0
December	19.5	NW.	88	NW.	8	10	14	2	1	2	7	8	18	0	10	7	14	9	6	9	7	0	1	12	0	29	0	0
Year	17.2	NW.	88	NW.	102	86	59	64	41	107	100	82	191	0	88	124	153	122	93	41	27	2	13	30	4	105	31	0

NORFOLK, VA.

[H=91 ft.; h_t=170 ft.; h_r=178 ft.; h_a=205 ft.]

January	13.3	SW.	40	NW.	1	6	12	4	9	11	12	5	3	0	10	5	16	16	9	1	1	0	6	3	0	10	0	0
February	16.9	SW.	62	NW.	7	6	8	2	7	8	11	11	3	0	9	9	10	10	8	3	2	0	4	5	0	13	1	0
March	15.1	NE.	49	NW.	4	3	12	5	12	9	9	5	7	0	12	9	10	13	11	1	0	0	2	0	0	4	1	0
April	14.3	SE.	64	W.	4	6	10	8	14	5	9	4	4	0	13	12	5	9	6	1	0	0	0	0	0	0	3	0
May	14.7	NW.	62	S.	4	2	5	9	10	2	12	9	13	0	15	10	6	10	6	0	0	1	0	0	1	0	6	0
June	11.7	S.	64	W.	5	7	1	4	15	18	12	2	1	0	5	23	2	14	12	0	0	0	2	0	2	0	14	0
July	10.6	S.	66	NW.	5	0	6	8	5	15	24	2	2	0	7	13	11	22	19	0	0	0	1	0	2	0	16	0
August	9.0	SE.	36	SE.	0	5	8	8	14	10	8	4	5	0	14	11	6	10	7	0	0	0	3	0	2	0	6	1
September	13.1	NE.	43	NW.	2	6	26	6	6	5	7	1	3	0	10	8	12	10	7	0	0	0	1	0	1	0	2	0
October	13.4	S.	55	NW.	3	11	8	5	14	10	6	4	4	0	19	8	4	12	10	0	0	0	0	0	0	0	3	0
November	11.7	N.	30	N.	0	11	15	4	2	3	8	9	8	0	16	4	10	5	4	0	0	0	2	0	0	4	0	0
December	15.1	N.	55	NW.	5	27	9	3	4	3	4	5	7	0	9	8	14	13	13	10	9	0	0	8	0	21	0	0
Year	13.2	SW.	66	NW.	40	90	120	66	112	99	122	61	60	0	139	120	106	141	112	16	12	1	21	16	8	52	52	1

NORTHFIELD, VT.

[H=876 ft.; h_t=12 ft.; h_r=3 ft.; h_a=60 ft.]

January	7.4	S.	34	S.	0	12	0	2	1	28	12	3	4	0	5	6	20	12	10	22	12	0	0	20	0	30	0	0
February	7.3	N.	27	SW.	0	16	4	0	1	22	6	2	5	0	6	9	13	4	4	15	4	0	0	18	0	28	0	1
March	8.6	S.	39	S.	0	19	0	0	3	26	9	0	5	0	8	9	14	13	8	17	10	0	0	7	0	30	0	0
April	8.7	S.	42	N.	1	21	4	0	2	20	8	1	4	0	4	7	19	12	8	8	2	0	0	2	0	19	2	0
May	8.2	S.	32	NE.	0	27	1	1	3	15	5	0	10	0	3	9	19	18	14	5	3	1	0	0	0	10	1	0
June	6.6	S.	30	SW.	0	14	4	0	3	26	11	0	2	0	2	15	13	16	10	0	0	0	0	0	0	0	4	0
July	5.5	S.	36	NE.	0	8	4	0	6	33	10	1	0	0	2	22	7	13	8	0	0	0	2	0	1	0	10	0
August	5.5	S.	28	S.	0	11	8	1	6	24	10	0	2	0	4	10	17	14	12	0	0	0	1	0	2	0	8	0
September	5.3	S.	20	N.	0	11	9	0	3	30	5	0	2	0	8	14	8	10	6	0	0	0	2	0	0	7	2	3
October	7.4	S.	34	S.	0	8	5	0	2	33	11	0	3	0	2	3	26	19	17	2	0	0	1	0	0	14	0	0
November	7.0	N.	24	NW.	0	23	2	1	0	24	7	1	2	0	5	8	17	11	4	14	9	0	0	9	0	30	0	0
December	7.1	S.	34	S.	0	15	4	0	0	29	10	0	4	0	4	7	20	7	6	15	7	0	1	25	0	31	0	0
Year	7.0	S.	42	N.	1	185	45	5	30	310	104	8	43	0	53	119	193	149	107	98	47	1	7	81	3	199	27	4

Annual meteorological summary for the year ending December 31, 1917—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	29.955	30.300	29.306	39.3	41.2	43.3	36.7	40.0	49	25	37	39	93	92	0.227	0.239	5.01	1.00	6.8	7.5	8.3
February	29.841	30.340	29.060	39.5	41.5	44.2	36.8	40.5	55	30	38	40	95	94	.234	.246	4.22	.91	6.0	7.5	7.6
March	29.903	30.260	29.240	39.4	42.6	44.7	36.9	40.8	52	32	38	40	94	90	.228	.244	6.17	.83	6.9	7.6	7.2
April	29.784	30.104	29.280	43.9	45.8	47.9	41.4	44.6	60	37	42	44	95	94	.273	.286	6.06	1.05	8.9	8.1	8.6
May	29.855	30.100	29.560	47.3	50.2	51.7	46.0	48.8	56	42	46	47	94	88	.307	.320	1.67	.85	9.2	8.3	8.5
June	29.931	30.220	29.520	51.3	54.5	56.8	49.8	53.3	72	44	50	51	94	90	.354	.379	2.26	.80	7.6	5.6	6.1
July	29.849	30.060	29.607	53.4	56.2	57.2	52.3	54.8	62	47	52	53	96	90	.392	.405	.24	.12	8.5	3.7	5.9
August	29.877	30.130	29.600	52.6	55.7	57.8	51.5	54.6	76	47	52	54	99	96	.393	.422	.57	.14	4.2	2.9	6.9
September	29.818	30.030	29.510	54.9	57.0	59.0	53.1	56.0	65	49	54	55	98	94	.422	.435	2.33	.55	6.6	6.3	7.5
October	29.971	30.270	29.740	51.8	54.3	57.7	49.5	53.6	77	40	50	51	94	91	.367	.385	.83	.22	4.2	5.5	6.6
November	29.852	30.180	29.180	51.1	52.7	56.1	48.4	52.2	65	42	49	50	92	90	.345	.358	4.99	1.53	6.3	6.5	6.7
December	29.820	30.316	29.150	47.0	48.4	50.5	44.3	47.4	60	35	46	48	96	97	.314	.331	13.22	1.60	8.6	8.9	9.5
Year	29.955	30.340	29.060	47.6	50.0	52.2	45.6	48.9	77	25	46	48	95	92	.321	.338	47.57	1.60	7.0	6.5	7.4

NORTH PLATTE, NEBR.

[ϕ=41° 8′ N.; λ=100° 45′ W.]

January	27.063	27.690	26.450	13.5	25.8	36.2	9.4	22.8	58	−21	9	17	81	68	0.069	0.100	0.74	0.56	2.4	2.1	3.8
February	27.113	27.670	26.400	17.3	31.9	40.1	13.5	26.8	73	−18	12	19	77	57	.080	.104	.35	.17	5.3	6.8	5.8
March	27.050	27.580	26.520	23.7	38.8	44.7	21.3	33.0	80	3	19	23	81	56	.103	.122	1.48	.63	4.8	5.1	4.8
April	27.038	27.340	26.650	34.7	51.4	56.7	32.8	44.8	81	22	30	31	81	51	.165	.176	1.95	1.02	6.4	6.0	5.3
May	27.047	27.450	26.530	44.8	57.8	63.6	41.6	52.6	88	28	40	43	85	60	.262	.285	4.44	1.89	6.1	7.0	6.1
June	27.080	27.580	26.530	55.9	77.2	81.5	52.4	67.0	98	33	50	55	82	48	.375	.449	2.38	1.02	2.9	3.9	2.9
July	27.073	27.360	26.769	63.5	86.4	91.4	61.1	76.2	104	50	58	61	84	44	.493	.540	1.13	.28	1.9	2.2	1.7
August	27.149	27.460	26.880	57.1	76.9	83.4	55.3	69.4	98	43	53	56	88	52	.414	.433	1.96	.60	4.4	4.9	3.7
September	27.173	27.540	26.870	52.8	67.9	76.1	51.1	63.6	93	37	50	54	89	63	.369	.423	2.68	.74	4.3	3.6	3.5
October	27.132	27.650	26.650	33.9	49.2	60.1	30.1	45.1	83	9	28	32	77	52	.158	.194	.32	.19	4.5	3.9	4.2
November	27.227	27.620	26.880	33.2	47.7	59.8	31.2	45.5	79	24	28	34	82	60	.156	.195	.71	.37	3.8	2.9	3.1
December	27.178	27.750	26.730	14.5	24.2	36.6	10.8	23.7	68	−12	10	16	82	70	.078	.100	.27	.16	4.2	3.3	6.2
Year	27.110	27.750	26.400	37.1	52.9	60.8	34.2	47.5	104	−21	32	37	82	57	.227	.260	18.41	1.89	4.2	4.3	4.3

OKLAHOMA, OKLA.

[ϕ=35° 26′ N; λ=97° 33′ W.]

January	28.768	29.370	28.260	31.7	41.5	50.8	27.1	39.0	74	10	25	26	77	57	0.143	0.150	0.37	0.18	4.3	2.8	4.5
February	28.802	29.460	28.200	30.4	42.4	51.5	26.7	39.1	84	0	19	22	63	45	.110	.130	.84	.84	2.9	3.5	3.4
March	28.717	29.238	28.260	41.0	55.9	63.7	38.4	51.0	84	18	30	29	67	40	.191	.177	1.20	.71	4.1	2.8	3.6
April	28.646	28.980	28.286	49.6	63.6	68.6	46.5	57.6	86	32	40	39	71	44	.268	.260	2.11	.77	5.4	4.2	4.8
May	28.646	29.090	28.190	54.9	67.9	73.7	51.1	62.4	91	37	47	46	77	49	.341	.330	2.14	1.18	4.6	5.4	4.8
June	28.704	29.130	28.330	67.1	84.8	91.1	62.7	76.9	100	46	57	54	71	36	.480	.435	1.83	1.10	3.1	2.0	2.2
July	28.674	28.920	28.470	73.5	89.1	94.6	70.5	82.6	105	63	64	62	74	42	.602	.553	2.96	1.26	4.1	2.6	3.5
August	28.728	28.910	28.510	69.2	81.1	88.5	66.9	77.7	97	52	64	64	85	60	.614	.616	4.50	1.01	6.3	4.2	5.1
September	28.780	29.030	28.540	62.6	76.0	85.5	61.1	73.3	98	45	58	58	87	55	.500	.499	1.55	1.21	3.3	2.9	3.5
October	28.766	29.320	28.140	46.5	59.8	71.6	43.0	57.3	94	16	36	35	64	41	.232	.222	.02	.02	3.7	2.6	2.9
November	28.906	29.200	28.500	42.3	54.9	64.1	40.7	52.4	78	31	33	36	70	52	.190	.212	.80	.49	2.5	2.1	2.8
December	28.900	29.450	28.470	25.8	33.7	40.8	22.5	31.6	73	1	21	23	82	64	.133	.136	.04	.04	5.7	3.5	4.6
Year	28.753	29.460	28.140	49.6	62.6	70.4	46.4	58.4	105	0	41	41	74	49	.318	.310	18.36	1.26	4.2	3.2	3.8

OMAHA, NEBR.

[ϕ=41° 16′ N.; λ=95° 56′ W.]

January	28.852	29.650	27.960	19.4	24.7	31.3	13.8	22.6	53	−15	15	16	80	67	0.089	0.096	0.58	0.46	4.9	2.7	3.4
February	28.935	29.570	28.148	13.9	25.9	32.0	11.1	21.6	68	−23	8	12	75	55	.067	.079	.20	.12	4.6	5.0	4.4
March	28.800	29.470	28.080	30.9	42.0	48.6	28.4	38.5	84	3	23	25	72	53	.130	.140	1.35	.53	3.9	5.2	4.9
April	28.777	29.100	28.340	41.2	52.9	57.1	38.7	47.9	85	28	35	38	79	60	.212	.240	3.96	1.24	7.0	6.6	6.4
May	28.769	29.190	28.250	51.5	63.1	67.4	47.7	57.6	89	33	42	43	71	53	.260	.290	3.85	1.57	4.6	4.5	4.9
June	28.773	29.190	28.330	63.0	75.8	79.2	60.1	69.6	100	49	55	59	76	58	.442	.513	6.19	2.31	4.3	2.5	4.1
July	28.758	28.950	28.453	72.0	84.6	89.0	69.1	79.0	104	58	61	60	70	44	.547	.524	.78	.56	2.1	1.6	2.4
August	28.850	29.140	28.600	64.3	76.1	81.6	61.9	71.8	99	51	56	57	76	54	.460	.485	3.65	1.08	3.1	3.4	3.9
September	28.901	29.330	28.630	58.9	68.7	75.9	56.5	66.2	93	43	52	54	80	61	.407	.431	.91	.49	4.1	3.0	4.4
October	28.846	29.330	28.300	39.7	49.7	57.2	36.1	46.6	81	19	28	28	63	45	.160	.164	.55	.27	3.6	4.6	4.9
November	28.987	29.260	28.590	38.7	49.0	54.6	36.9	45.8	72	24	31	33	74	57	.176	.192	.12	.06	4.2	3.9	5.0
December	29.031	29.730	28.460	14.6	20.2	25.9	10.0	18.0	53	−20	10	12	80	68	.083	.091	.48	.16	4.5	5.8	6.5
Year	28.857	29.730	27.960	42.3	52.7	58.3	39.2	48.8	104	−23	35	36	75	56	.254	.270	22.62	2.31	4.2	4.1	4.6

Annual meteorological summary for the year ending December 31, 1917—Continued.

NORTH HEAD, WASH.

[H=211 ft.; h_1=11 ft.; h_2=3 ft.; h_3=56 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	17.0	S.	66	S.	11	1	8	6	7	10	5	12	12	1	4	1	26	23	19	4	3	0	8	0	0	5	0	0
February	13.5	SE.	60	NW.	6	8	3	12	9	5	5	7	7	0	6	3	19	18	17	4	4	1	11	0	0	4	0	0
March	19.1	E.	74	SE.	12	2	0	10	7	5	6	18	14	0	5	6	20	24	19	5	0	2	0	0	0	1	1	0
April	19.1	S.	72	SE.	14	3	1	3	13	15	12	4	9	0	1	6	23	25	18	0	0	0	3	0	0	0	0	0
May	11.9	NW.	44	SE.	1	3	2	1	6	4	5	9	32	0	0	8	23	16	9	0	0	0	2	0	0	0	0	0
June	15.2	NW.	72	SE.	2	8	1	3	5	5	3	6	28	1	7	9	14	14	11	0	0	0	4	0	0	0	0	0
July	18.9	NW.	40	S.	3	12	0	0	3	4	1	2	40	0	9	10	12	7	3	0	0	0	5	0	0	0	0	0
August	14.3	NW.	36	NW.	0	18	0	0	3	1	1	3	35	1	6	7	18	14	4	0	0	0	21	0	0	0	0	0
September	14.7	SE.	54	SE.	7	10	1	2	16	15	4	1	11	0	3	7	20	16	12	0	0	0	11	0	0	0	0	0
October	12.4	NW.	56	NW.	4	15	1	8	7	6	2	0	23	0	10	6	15	14	7	0	0	0	15	0	0	0	0	0
November	16.0	SE.	58	SE.	9	7	1	18	18	7	2	3	4	0	7	6	17	18	15	0	0	0	6	0	0	0	0	0
December	22.4	S.	84	S	18	3	1	8	9	18	7	3	13	0	1	1	29	28	26	0	0	1	9	0	0	0	1	0
Year	16.2	NW.	84	S.	87	90	19	71	103	95	53	68	228	3	59	70	236	217	160	13	7	4	95	0	0	10	2	0

NORTH PLATTE, NEBR.

[H=2,821 ft.; h_1=11 ft.; h_2=3 ft.; h_3=51 ft.]

January	6.8	W.	36	NW.	0	6	1	8	1	1	8	30	7	0	14	10	7	5	4	6	5	0	0	11	0	31	0	0
February	7.9	W.	36	N.	0	12	8	4	9	5	1	9	8	0	7	12	9	5	3	8	5	0	0	7	0	28	0	0
March	9.3	W.	35	NW.	0	11	6	5	5	8	0	15	12	0	13	7	11	8	7	9	8	0	0	8	0	28	0	0
April	9.8	N.	35	N.	0	11	10	10	7	1	2	6	13	0	12	8	10	9	6	8	7	0	0	0	0	12	3	0
May	8.2	E.	36	SW.	0	19	11	10	19	2	2	4	4	0	10	8	13	16	12	0	0	1	0	0	0	3	7	0
June	7.7	W.	38	NW.	0	10	7	8	5	9	4	8	8	1	20	7	3	8	6	0	0	1	0	0	6	0	9	0
July	5.9	SE.	48	NE.	2	6	5	12	13	10	3	6	6	1	27	3	1	14	9	0	0	1	0	0	18	0	15	0
August	5.8	S.	26	SW.	0	6	10	8	11	11	4	8	4	0	19	7	5	11	9	0	0	0	0	0	4	0	9	0
September	6.6	SE.	32	NE.	0	10	7	9	17	4	4	6	3	0	20	4	6	8	5	0	0	0	0	0	1	0	6	0
October	8.0	N.	33	N.	0	15	1	4	8	6	2	15	11	0	15	10	6	5	3	4	1	0	0	1	0	20	0	0
November	6.2	W.	26	NW.	0	6	3	5	16	2	4	15	9	0	20	4	6	6	5	2	2	0	0	0	0	18	1	0
December	7.0	W.	40	NW.	1	10	3	4	8	11	6	10	8	2	6	13	12	5	2	8	5	0	0	14	0	31	0	0
Year	7.4	W.	48	NE.	3	113	72	87	119	70	40	132	93	4	183	93	89	100	71	45	33	2	0	41	29	171	50	0

OKLAHOMA, OKLA.

[H=1,214 ft.; h_1=10 ft.; h_2=3 ft.; h_3=47 ft.]

January	13.8	S.	54	W.	3	15	4	0	2	25	9	0	6	1	14	10	7	5	4	3	2	0	2	6	0	20	0	0
February	15.0	N.	54	N.	2	20	2	4	3	12	10	1	4	0	15	9	4	1	1	2	1	0	0	2	0	21	0	0
March	18.8	S.	46	S.	7	17	2	1	4	27	2	1	8	0	16	7	8	5	3	3	2	1	0	1	0	10	4	0
April	19.1	S.	50	S.	6	17	5	1	10	20	2	0	5	0	9	16	5	9	7	0	0	0	0	0	0	0	9	0
May	14.7	S.	48	NW.	4	9	13	2	11	17	4	2	4	0	15	7	9	12	9	0	0	1	0	0	2	0	5	0
June	14.9	S.	48	N.	5	7	6	0	5	35	2	0	5	0	21	9	0	5	5	0	0	1	0	0	18	0	6	0
July	12.7	S.	44	W.	1	2	7	3	9	37	2	0	2	0	16	13	2	8	8	0	0	1	0	0	23	0	9	0
August	9.9	S.	50	N.	3	8	10	9	11	18	2	0	4	0	8	15	8	13	12	0	0	1	2	0	16	0	13	0
September	10.5	S.	33	N.	0	11	6	2	16	24	1	0	0	0	16	8	6	6	3	0	0	1	2	0	7	0	5	0
October	15.1	S.	48	N.	5	14	4	0	4	27	6	2	5	0	20	9	2	1	0	1	0	0	0	0	2	5	0	0
November	12.1	S.	39	N.	0	17	2	2	5	18	4	4	8	0	20	5	5	5	4	0	0	0	0	1	0	1	4	0
December	13.8	N.	48	N.	2	23	6	3	3	23	2	2	0	0	15	7	9	1	1	2	1	0	2	9	0	21	0	0
Year	14.2	S.	54	W.	38	160	67	27	83	283	46	12	51	1	185	115	65	71	57	11	6	5	9	18	68	78	55	0

OMAHA, NEBR.

[H=1,105 ft.; h_1=115 ft.; h_2=107 ft.; h_3=122 ft.]

January	7.9	NW.	39	NW.	0	9	6	3	0	14	7	2	20	1	18	9	4	5	3	8	5	0	1	16	0	29	0	0
February	11.1	NW.	46	NW.	1	9	4	1	3	8	8	0	23	0	11	14	3	2	2	7	2	0	1	12	0	28	0	0
March	9.9	NW.	38	N.	0	8	6	2	7	10	5	1	22	1	12	12	7	7	5	9	4	0	0	3	0	18	2	0
April	9.4	NW.	34	NW.	0	15	9	6	8	6	4	1	11	0	6	10	14	10	9	6	6	1	0	0	0	5	4	0
May	8.0	N.	36	NE.	0	12	7	9	4	7	5	5	13	0	13	8	10	10	9	1	1	0	0	0	0	0	3	0
June	9.0	NW.	36	NW.	0	8	9	1	10	10	5	3	14	0	15	8	7	15	10	0	0	0	0	0	3	0	12	0
July	6.9	NW.	31	N.	0	7	5	4	11	16	4	1	13	0	23	7	1	7	4	0	0	0	2	0	16	0	7	0
August	6.3	NW.	38	NW.	0	12	3	1	8	14	5	3	15	1	18	7	6	8	8	0	0	1	2	0	1	0	11	1
September	7.1	SE.	26	N.	0	9	7	7	7	20	1	1	8	0	15	8	7	6	5	0	0	0	3	0	1	0	6	0
October	10.5	NW.	42	NW.	1	5	0	3	2	15	5	6	25	1	12	9	10	5	3	4	1	0	0	1	0	15	1	0
November	6.4	S.	48	NW.	2	9	3	6	5	19	4	2	10	2	14	8	8	2	2	2	1	0	2	0	0	11	1	0
December	9.7	S.	38	N.	0	11	4	2	8	16	5	1	15	0	6	9	16	7	5	10	7	0	1	18	0	27	0	0
Year	8.5	NW.	48	NW.	4	114	64	45	73	155	58	26	189	6	163	109	93	84	65	47	27	2	12	50	21	133	47	1

Annual meteorological summary for the year ending December 31, 1917—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	29.598	30.400	28.820	22.6	24.0	30.5	15.7	23.1	45	− 4	18	20	83	85	0.104	0.115	2.42	0.79	9.1	8.7	9.1
February	29.558	30.200	28.940	15.8	20.5	26.6	10.1	18.4	47	−10	13	17	88	84	.081	.096	1.52	.46	9.4	7.5	8.7
March	29.644	30.150	28.980	30.3	32.9	38.1	25.8	32.0	65	10	25	26	79	76	.136	.145	2.02	.46	7.6	6.5	6.7
April	29.597	30.090	28.931	39.5	41.6	46.3	34.5	40.4	72	23	34	34	80	77	.205	.206	3.21	.74	6.5	6.9	6.5
May	29.477	29.860	29.040	44.2	47.9	52.7	40.0	46.4	80	33	38	38	80	70	.235	.233	3.20	.81	7.7	7.8	7.1
June	29.617	29.934	29.300	58.0	59.7	68.1	51.0	59.6	85	43	52	52	82	78	.396	.404	3.79	1.34	6.0	6.7	6.0
July	29.563	29.815	29.260	68.6	70.9	77.0	63.2	70.1	92	54	61	62	78	74	.546	.559	1.49	.38	5.0	6.6	5.4
August	29.624	29.970	29.180	66.4	68.9	75.8	61.4	68.6	93	48	59	59	79	71	.515	.504	2.05	.77	6.0	5.6	5.0
September	29.740	30.130	29.180	55.4	59.9	66.2	51.6	58.9	81	40	49	50	80	70	.359	.371	1.72	.47	5.7	3.9	4.7
October	29.622	29.990	28.930	44.5	47.3	53.0	40.1	46.6	67	30	38	38	77	69	.229	.231	4.90	.97	7.8	6.9	7.2
November	29.736	30.310	28.970	33.2	35.3	39.7	29.4	34.6	52	11	28	29	80	78	.156	.163	1.34	.70	8.1	6.1	7.1
December	29.831	30.370	28.710	16.2	19.0	24.9	11.3	18.1	43	−21	12	15	84	84	.085	.094	1.02	.45	7.7	7.8	7.6
Year	29.634	30.400	28.710	41.2	44.0	49.9	36.2	43.1	93	−21	36	37	81	76	.254	.260	28.68	1.34	7.2	6.7	6.8

PALESTINE, TEX.

[ϕ=31° 45′ N.; λ=95° 40′ W.]

January	29.562	30.000	29.050	46.2	53.7	59.5	42.9	51.2	81	21	42	42	85	70	0.299	0.299	1.66	0.70	6.0	6.2	6.7
February	29.583	30.239	29.180	45.8	56.4	64.4	42.4	53.4	86	14	41	40	84	59	.289	.268	1.95	1.13	5.6	4.1	4.8
March	29.526	30.000	29.180	52.8	64.0	68.9	50.0	59.4	86	29	45	44	76	55	.341	.337	1.27	.50	6.6	5.0	5.8
April	29.427	29.710	29.140	56.4	69.1	73.8	54.3	64.0	84	39	50	49	81	52	.390	.378	3.49	1.08	5.7	2.9	5.0
May	29.419	29.740	29.030	60.1	72.6	76.6	58.1	67.4	91	45	55	57	84	60	.461	.479	3.88	2.09	5.2	3.6	4.9
June	29.474	29.760	29.230	71.6	87.2	91.5	69.9	80.7	100	58	67	65	87	51	.680	.634	2.95	2.26	4.7	2.7	3.5
July	29.447	29.650	29.250	74.7	88.7	93.9	72.8	83.4	105	65	69	68	85	53	.717	.679	7.73	6.27	3.9	3.5	4.0
August	29.447	29.640	29.226	73.6	88.1	93.5	72.6	83.0	101	62	68	66	84	49	.688	.643	.07	.07	3.1	3.6	4.0
September	29.500	29.690	29.359	66.7	78.7	86.3	66.3	76.3	96	57	64	65	90	65	.599	.635	2.35	1.83	4.1	3.4	4.0
October	29.533	29.960	29.050	54.0	68.9	77.4	51.3	64.4	95	27	47	50	79	52	.369	.385	.31	.12	2.4	1.1	1.8
November	29.676	30.000	29.350	47.4	61.8	69.5	46.2	57.8	81	34	40	44	77	54	.258	.297	1.50	1.00	2.3	1.9	2.4
December	29.653	30.070	28.940	38.8	47.1	52.9	36.6	44.8	80	18	36	40	90	75	.239	.271	.45	.24	5.0	3.3	5.3
Year	29.521	30.239	28.940	57.3	69.7	75.7	55.3	65.5	105	14	52	52	84	58	.444	.442	27.61	6.27	4.6	3.4	4.4

PARKERSBURG, W. VA.

[ϕ=39° 16′ N.; λ=81° 36′ W.]

January	29.406	30.100	28.764	30.5	34.5	42.4	24.1	33.2	72	4	25	29	80	80	0.149	0.176	5.71	1.80	8.0	4.6	6.9
February	29.410	30.050	28.630	25.8	32.4	41.1	20.4	30.8	72	− 6	20	24	79	70	.118	.150	2.44	1.03	7.0	4.9	5.9
March	29.431	29.810	28.961	37.4	45.5	51.5	33.0	42.2	80	7	30	34	74	67	.173	.208	4.46	1.19	5.7	6.0	5.5
April	29.348	29.739	28.590	46.2	55.2	63.1	42.1	52.6	86	26	38	42	74	63	.241	.261	4.29	1.66	6.0	5.7	5.6
May	29.273	29.550	28.790	52.4	60.3	67.1	48.0	57.6	86	34	44	47	73	65	.296	.343	5.06	2.08	5.6	6.6	5.8
June	29.404	29.763	29.090	63.3	71.5	79.6	57.7	68.6	93	41	57	61	80	71	.471	.543	3.17	.76	5.1	5.1	4.9
July	29.344	29.505	28.980	68.9	76.1	84.0	64.7	74.4	94	57	64	68	84	76	.596	.682	6.17	1.66	4.9	5.0	4.8
August	29.383	29.600	29.000	66.8	74.9	83.7	63.4	73.6	94	49	62	65	83	72	.553	.627	2.18	.60	3.8	4.0	4.5
September	29.482	29.730	29.147	55.4	65.7	75.1	52.9	64.0	87	40	51	58	85	77	.387	.494	1.41	.65	3.9	3.5	4.4
October	29.424	29.680	28.880	43.7	50.8	60.4	39.6	50.0	81	29	38	42	82	73	.241	.282	4.77	1.95	5.4	4.5	5.5
November	29.537	30.050	28.670	32.8	42.3	50.4	30.9	40.6	67	20	30	35	88	76	.165	.207	.60	.42	4.9	3.6	5.6
December	29.598	30.020	28.600	21.1	26.5	33.0	16.7	24.8	52	−10	17	21	86	79	.107	.123	.90	.45	6.6	5.9	6.5
Year	29.420	30.100	28.590	45.4	53.0	61.0	41.1	51.0	94	−10	40	44	81	72	.291	.343	41.16	2.08	5.6	5.0	5.5

PENSACOLA, FLA.

[ϕ=30° 25′ N.; λ=87° 13′ W.]

January	30.071	30.380	29.630	55.1	59.4	64.3	52.0	58.2	71	34	51	53	87	82	0.409	0.433	5.21	3.22	5.5	4.6	6.9
February	30.103	30.600	29.750	51.2	56.1	61.0	46.9	54.0	74	17	46	49	84	78	.385	.399	3.08	.86	5.2	4.1	5.0
March	30.078	30.330	29.770	59.5	63.0	68.3	56.0	62.2	75	38	54	54	82	76	.462	.473	2.62	2.01	4.9	5.3	6.0
April	29.951	30.250	29.550	62.8	67.6	72.5	59.7	66.1	79	44	55	57	77	72	.463	.500	2.14	.56	4.4	3.3	4.0
May	29.937	30.140	29.620	66.1	71.1	75.3	62.9	69.1	83	51	57	58	75	67	.509	.523	5.93	3.83	4.6	3.5	4.5
June	30.009	30.150	29.750	75.7	78.8	82.6	72.3	77.4	86	58	68	68	78	71	.702	.696	3.74	1.97	4.4	4.4	4.4
July	29.977	30.200	29.690	78.7	80.1	85.3	74.6	80.0	91	68	73	72	83	78	.818	.800	3.96	1.28	5.4	7.1	6.5
August	29.939	30.160	29.720	76.4	80.0	86.0	73.3	79.6	90	69	71	72	85	78	.770	.797	9.47	1.68	4.9	6.4	5.8
September	29.914	30.110	28.450	71.6	76.8	81.7	69.1	75.4	91	58	66	66	83	72	.654	.666	10.28	6.32	6.1	5.1	5.5
October	30.007	30.200	29.790	59.1	66.7	71.7	55.9	63.8	80	37	50	51	72	60	.396	.424	.75	.32	1.7	1.3	2.6
November	30.132	30.471	29.580	50.7	59.3	64.9	49.0	57.0	76	33	41	43	71	58	.271	.300	1.11	.66	2.0	1.0	2.3
December	30.138	30.430	29.480	42.8	51.2	57.0	40.0	48.5	69	19	38	41	83	69	.248	.283	3.73	1.22	5.7	4.5	5.6
Year	30.021	30.600	28.450	62.5	67.5	72.6	59.3	65.9	91	17	56	57	80	72	.507	.524	51.97	6.32	4.6	4.2	4.9

Annual meteorological summary for the year ending December 31, 1917—Continued.

OSWEGO, N. Y.

[H=335 ft.; h_t=76 ft.; h_r=68 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.	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	13.7	S.	46	SW.	2	1	7	2	7	16	13	6	10	0	0	4	27	19	12	22	12	0	0	16	0	29	0	0
February	14.1	NW.	41	SW.	1	3	5	1	8	8	10	4	17	0	0	6	22	21	11	25	15	0	0	17	0	28	0	0
March	14.0	NW.	34	W.	0	2	8	2	8	14	5	8	15	0	6	8	17	17	10	20	12	0	0	9	0	23	3	0
April	11.4	W.	33	NW.	0	4	3	3	9	8	5	14	14	0	7	7	16	14	11	8	6	0	0	1	0	10	1	0
May	10.5	N.	40	NW.	1	12	7	3	9	5	5	10	11	0	5	6	20	16	12	4	0	0	3	0	0	0	4	0
June	8.1	W.	28	SW.	0	3	5	4	3	13	9	20	3	0	6	10	14	16	14	0	0	1	4	0	0	0	8	0
July	7.3	S.	23	SW.	0	2	2	0	14	17	15	7	5	0	8	12	11	12	10	0	0	0	0	0	1	0	9	0
August	8.2	S.	26	SW.	0	0	4	4	7	14	12	9	12	0	11	13	7	12	10	0	0	0	0	0	1	0	2	1
September	8.3	S.	30	NE.	0	3	4	6	11	15	9	4	7	1	9	15	6	11	9	0	0	0	1	0	0	0	2	0
October	11.6	S.	37	NE.	0	1	5	4	6	20	11	4	11	0	2	10	19	18	14	2	0	1	0	0	0	1	1	1
November	11.1	S.	29	NW.	0	6	8	2	6	17	6	5	10	0	3	11	16	13	9	12	7	0	2	4	0	19	0	0
December	13.0	S.	47	W.	1	6	5	1	15	16	4	2	13	0	4	4	23	9	5	20	6	0	0	22	0	30	0	1
Year	10.9	S.	47	W.	5	43	63	32	103	163	104	93	128	1	61	106	198	178	127	113	58	2	10	69	2	140	30	3

PALESTINE, TEX.

[H=510 ft.; h_t=64 ft.; h_r=57 ft.; h_a=72 ft.]

January	8.0	SW.	26	N.	0	8	10	0	4	13	14	7	6	0	9	3	19	10	7	1	1	0	2	3	0	7	3	0
February	8.8	S.	38	N.	0	5	6	8	2	13	9	3	10	0	14	3	11	6	5	0	0	1	3	1	0	6	2	0
March	10.5	S.	29	S.	0	12	9	2	8	22	4	1	4	0	11	3	17	9	6	1	1	0	0	0	0	2	3	0
April	9.3	SE.	36	SE.	0	9	9	3	18	12	2	2	5	0	13	7	10	8	7	0	0	0	1	0	0	0	8	0
May	8.5	S.	37	SW.	0	7	15	9	6	18	4	1	2	0	12	9	10	11	9	0	0	0	1	0	0	3	6	0
June	7.9	S.	39	S.	0	1	7	5	8	29	10	0	0	0	19	8	3	4	2	0	0	0	0	0	24	0	6	0
July	7.0	S.	35	NE.	0	3	2	7	12	23	13	0	2	0	17	8	6	6	4	0	0	0	0	0	26	0	7	0
August	5.8	NE.	24	W.	0	6	14	5	13	9	13	1	1	0	17	9	5	1	1	0	0	0	1	0	26	0	3	0
September	5.7	NE.	27	SE.	0	6	27	10	10	1	5	0	1	0	12	14	4	6	4	0	0	0	0	0	5	0	7	0
October	7.9	S.	36	S.	0	12	11	5	6	14	11	0	3	0	26	3	2	3	3	0	0	0	1	0	2	1	0	0
November	6.3	SE.	28	NW.	0	6	12	6	13	4	4	6	9	0	21	5	4	3	3	0	0	0	1	0	0	0	0	0
December	7.7	NE.	38	NW.	0	11	22	2	4	9	7	1	6	0	12	7	12	2	2	0	0	0	4	2	0	14	1	0
Year	7.8	S.	39	S.	0	86	144	62	104	167	96	22	49	0	183	79	103	69	53	2	2	3	13	6	86	30	46	0

PARKERSBURG, W. VA.

[H=638 ft.; h_t=77 ft.; h_r=70 ft.; h_a=84 ft.]

January	6.2	SW.	33	NW.	0	8	2	4	15	3	16	5	9	0	7	8	16	18	12	13	10	0	0	6	0	25	1	0
February	8.4	SW.	43	NW.	1	4	7	2	11	3	13	7	9	0	6	11	11	10	7	12	7	0	0	8	0	22	3	0
March	8.2	SE.	34	NW.	0	3	10	0	15	5	14	7	8	0	14	4	13	16	13	9	6	0	0	2	0	14	4	0
April	6.8	NW.	30	W.	0	8	10	5	11	5	8	1	12	0	9	12	9	11	11	2	1	0	0	0	0	6	3	0
May	7.1	NW.	30	NW.	0	6	4	0	8	2	10	11	21	0	9	9	13	11	6	0	0	3	0	0	0	0	6	0
June	4.9	SE.	39	NW.	0	3	3	1	19	9	12	6	7	0	11	11	8	16	10	0	0	0	0	0	1	0	15	0
July	4.3	SW.	27	NW.	0	6	2	0	17	9	19	4	5	0	13	11	7	15	13	0	0	0	1	0	5	0	12	0
August	3.8	SE.	23	NW.	0	9	5	3	19	10	4	6	5	1	15	7	9	11	9	0	0	0	0	0	5	0	10	0
September	4.0	N.	24	NW.	0	21	8	2	20	1	2	2	4	0	12	12	6	7	6	0	0	0	1	0	0	0	4	0
October	5.9	SE.	28	S.	0	6	2	2	19	6	9	8	10	0	7	14	10	13	13	5	2	0	1	0	0	4	2	0
November	3.3	SE.	24	SW.	0	8	6	5	14	7	8	3	8	1	12	6	12	6	2	3	3	0	2	1	0	17	0	0
December	3.7	N.	29	SW.	0	14	6	4	12	6	9	3	8	0	9	7	15	11	7	14	9	0	2	12	0	25	0	0
Year	5.6	SE.	43	NW.	1	96	65	28	180	66	124	63	106	2	124	112	129	145	109	58	38	3	7	29	11	113	60	0

PENSACOLA, FLA.

[H=56 ft.; h_t=149 ft.; h_r=131 ft.; h_a=185 ft.]

January	13.5	SW.	44	NW.	1	9	10	8	3	11	10	8	3	0	6	7	18	7	6	0	0	0	3	0	0	0	2	0
February	14.8	S.	48	N.	3	8	3	5	4	16	4	8	8	0	10	10	8	9	8	0	0	0	3	0	0	5	4	0
March	14.8	S.	43	NW.	1	12	6	7	9	19	3	5	1	0	6	12	13	9	7	0	0	0	5	0	0	2	4	0
April	13.5	S.	63	SW.	3	11	4	6	8	9	10	8	4	0	13	12	5	7	5	0	0	0	2	0	0	0	4	0
May	13.6	S.	42	SE.	1	14	9	2	1	15	9	8	4	0	11	12	8	6	6	0	0	1	0	0	0	0	0	0
June	11.2	SW.	47	E.	1	7	8	2	1	8	18	10	6	0	11	16	3	6	5	0	0	1	1	0	0	0	10	0
July	10.7	SW.	44	N.	1	8	1	3	2	11	10	16	11	9	5	13	13	13	12	0	0	0	0	0	1	0	21	0
August	9.2	W.	44	NE.	1	9	9	5	4	4	3	18	10	0	5	16	10	15	13	0	0	0	0	0	2	0	23	0
September	14.4	NE.	103	SE.	3	9	24	9	0	6	2	6	4	0	12	5	13	8	7	0	0	0	0	0	1	0	10	0
October	13.2	N.	34	N.	0	19	14	7	5	4	7	6	0	0	22	5	4	5	4	0	0	0	2	0	0	0	1	0
November	12.7	N.	35	SW.	0	19	11	4	4	2	2	9	9	0	19	8	3	3	2	0	0	0	1	0	0	0	0	0
December	13.0	NE.	57	S.	2	14	24	11	3	2	2	4	2	0	11	5	15	10	7	1	0	0	1	0	0	7	2	0
Year	12.9	N.	103	SE.	17	139	123	69	44	107	80	106	62	0	131	121	113	98	82	1	0	2	18	0	4	14	87	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

PEORIA, ILL.

[ϕ=40° 43′ N.; λ=89° 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	29.380	30.183	28.630	19.9	25.2	33.8	15.1	24.4	58	− 5	18	21	93	82	0.111	0.121	1.86	0.78	3.8	4.6	4.5
February	29.435	30.040	28.840	16.1	23.2	30.7	11.0	20.8	53	−16	14	16	89	73	.090	.099	.27	.10	6.2	5.3	5.4
March	29.348	29.890	28.830	33.6	42.2	50.2	29.7	40.0	77	5	29	30	82	64	.168	.178	2.26	1.33	5.1	5.0	5.5
April	29.324	29.620	28.800	42.2	49.9	56.1	38.8	47.4	84	23	37	38	82	66	.232	.246	4.54	1.01	5.9	5.9	6.3
May	29.284	29.620	28.780	50.2	59.8	66.6	44.5	55.6	88	33	43	44	77	59	.295	.306	2.40	1.27	4.4	5.1	5.5
June	29.324	29.660	28.900	63.3	72.4	77.6	57.8	67.7	91	40	58	60	83	66	.489	.532	7.43	2.10	5.2	5.7	5.3
July	29.296	29.445	29.010	68.7	78.5	86.0	64.0	75.0	98	49	64	64	85	62	.609	.605	1.92	.93	3.4	3.2	3.9
August	29.356	29.520	29.060	64.0	73.3	81.9	59.8	70.8	92	46	59	60	84	65	.501	.527	3.36	1.97	4.1	3.3	3.9
September	29.450	29.820	29.162	55.9	64.7	74.7	52.7	63.7	86	35	53	56	90	73	.410	.456	3.14	1.02	3.9	3.1	3.5
October	29.354	29.750	28.729	38.6	45.4	53.9	34.6	44.2	80	21	34	35	86	70	.211	.214	2.23	1.25	6.3	6.1	6.4
November	29.535	29.930	28.830	34.5	43.1	51.1	32.6	41.8	70	15	32	36	92	76	.186	.212	.07	.04	5.0	4.2	5.1
December	29.590	30.180	29.110	16.0	21.1	27.8	11.8	19.8	54	−13	14	17	90	83	.098	.111	.63	.22	6.8	5.2	5.9
Year	29.390	30.183	28.630	41.9	49.9	57.5	37.7	47.6	98	−16	38	40	86	70	.283	.301	30.11	2.10	5.0	4.6	5.1

PHILADELPHIA, PA.

[ϕ=39° 57′ N.; λ=75° 9′ W.]

January	29.927	30.690	29.250	31.9	36.5	42.5	27.9	35.2	56	12	24	26	72	67	0.139	0.151	1.90	0.63	6.7	5.0	6.5
February	29.870	30.455	29.100	27.8	33.1	39.5	23.4	31.4	60	3	20	23	72	67	.127	.138	2.20	.86	7.4	4.8	6.1
March	29.977	30.450	29.470	38.8	42.9	49.5	34.5	42.0	69	22	33	37	81	80	.197	.226	5.46	1.43	5.8	4.5	5.1
April	29.852	30.350	29.110	47.4	52.9	61.2	43.4	52.3	81	28	41	45	78	76	.264	.308	2.47	1.19	5.4	5.7	5.2
May	29.735	30.137	29.440	54.0	58.6	65.1	49.2	57.2	86	41	41	41	63	57	.265	.271	2.96	1.24	5.8	6.4	6.5
June	29.899	30.210	29.630	68.4	73.4	81.0	63.4	72.2	90	54	60	60	74	66	.521	.538	2.25	1.20	4.7	7.8	5.9
July	29.860	30.100	29.540	73.1	77.0	83.7	69.0	76.4	101	60	66	66	79	71	.642	.655	5.63	2.69	7.3	8.2	6.8
August	29.904	30.190	29.490	72.9	76.5	84.8	68.6	76.7	96	58	63	64	72	67	.587	.603	3.82	2.27	4.5	5.5	4.9
September	30.005	30.370	29.490	60.6	65.4	72.0	56.8	64.4	82	43	53	53	76	66	.412	.419	3.27	1.38	5.6	4.5	5.6
October	29.946	30.260	29.290	50.0	53.8	62.2	45.4	53.8	78	32	42	43	74	68	.279	.288	6.04	2.26	5.0	4.2	4.9
November	29.989	30.534	29.210	39.3	45.7	50.7	36.2	43.4	65	23	28	34	66	64	.158	.197	.86	.53	3.4	3.7	3.6
December	30.116	30.640	29.102	25.6	29.1	34.7	21.4	28.0	50	− 4	17	19	68	65	.103	.114	2.53	1.36	5.8	4.6	6.0
Year	29.923	30.690	29.100	49.2	53.7	60.6	44.9	52.8	101	− 4	41	43	73	68	.308	.326	39.39	2.69	5.6	5.4	5.6

PHOENIX, ARIZ.

[ϕ=33° 28′ N.; λ=112° 00′ W.]

January	28.894	29.190	28.559	40.3	55.6	60.3	37.7	49.0	70	30	37	38	89	54	0.226	0.231	2.20	1.03	4.0	4.2	4.2
February	28.907	29.250	28.470	42.4	63.7	67.7	39.8	53.8	76	31	36	36	78	38	.215	.221	.95	.74	2.2	2.1	3.1
March	28.839	29.240	28.560	42.4	69.9	72.1	40.3	56.2	91	30	34	32	76	26	.201	.181	.15	.15	1.1	1.4	1.7
April	28.721	29.060	28.352	50.4	77.2	79.6	48.7	64.2	93	37	42	43	72	35	.272	.302	1.22	.53	1.9	1.8	2.7
May	28.660	28.880	28.332	55.8	82.0	83.7	54.2	69.0	98	47	44	46	66	30	.289	.312	.45	.25	0.9	1.8	1.8
June	28.662	28.890	28.466	67.0	101.5	103.4	65.4	84.4	112	50	44	45	45	15	.296	.308	0	0	0.6	Few.	0.2
July	28.647	28.850	28.480	78.9	101.1	102.9	77.1	90.0	111	71	64	62	62	30	.607	.559	3.97	2.05	5.2	4.7	2.9
August	28.696	28.850	28.530	74.4	99.2	102.1	72.4	87.2	107	58	60	59	63	28	.539	.518	.11	.11	1.6	1.8	1.4
September	28.697	28.850	28.544	71.2	92.6	97.3	69.0	83.2	106	55	59	60	66	34	.512	.516	.55	.49	3.3	2.2	2.5
October	28.755	29.980	28.500	56.2	80.5	91.7	53.7	72.7	105	39	42	51	60	37	.274	.392	T.	T.	0.3	0.9	0.5
November	28.894	29.110	28.670	45.1	65.9	79.5	42.3	60.9	88	34	32	42	63	43	.184	.275	0	0	0.2	1.5	1.1
December	28.897	29.070	28.683	39.5	61.7	72.8	36.3	54.6	80	29	25	30	56	31	.133	.172	0	0	0.8	1.4	1.0
Year	28.772	29.250	28.332	55.3	79.2	84.4	53.1	68.8	112	29	43	45	66	33	.312	.332	9.60	2.05	1.8	2.0	1.9

PIERRE, S. DAK.

[ϕ=44° 22′ N.; λ=100° 21′ W.]

January	28.355	29.150	27.850	9.0	17.4	25.5	4.1	14.8	52	−23	5	11	83	75	0.057	0.081	0.84	0.36	4.8	4.6	5.2
February	28.454	29.130	27.502	4.7	13.9	20.4	0.4	10.4	48	−32	1	9	83	82	.051	.074	.37	.16	4.2	5.8	5.8
March	28.348	29.100	27.671	22.8	33.9	38.3	20.8	29.6	74	−18	18	24	81	68	.105	.129	.53	.37	5.7	5.6	5.9
April	28.339	28.680	27.780	34.9	47.9	51.9	33.1	42.5	84	22	30	32	82	59	.167	.180	2.39	.86	7.0	6.8	6.9
May	28.335	28.710	27.930	45.7	63.0	65.7	43.9	54.8	87	31	38	38	76	43	.238	.238	2.72	1.40	3.7	4.8	4.5
June	28.286	28.810	27.640	57.1	74.0	77.1	53.5	65.3	97	42	49	50	76	46	.363	.377	.84	.26	3.4	4.3	4.3
July	28.244	28.580	27.820	67.9	86.6	92.2	64.3	78.2	109	46	58	56	72	39	.497	.473	2.68	2.30	2.6	3.4	2.9
August	28.347	28.750	27.900	59.5	79.3	84.7	57.2	71.0	97	45	52	51	78	40	.402	.391	1.93	1.15	2.9	4.0	3.9
September	28.403	28.900	28.074	51.8	69.2	75.2	50.0	62.6	92	37	47	50	85	53	.336	.380	1.83	1.37	5.5	4.0	4.8
October	28.372	29.050	27.820	35.4	47.8	55.5	30.3	42.9	84	11	28	32	72	55	.160	.188	.02	.02	6.3	4.3	5.7
November	28.482	28.950	28.070	33.9	47.9	55.7	31.2	43.4	75	19	28	35	81	64	.158	.205	T.	T.	4.6	4.2	4.6
December	28.513	29.290	27.810	8.1	15.5	22.8	3.4	13.1	53	−27	2	10	74	78	.063	.086	.72	.28	5.6	6.3	6.5
Year	28.373	29.290	27.502	35.9	49.7	55.4	32.7	44.0	109	−32	30	33	79	58	.216	.234	14.87	2.30	4.7	4.9	5.1

Annual meteorological summary for the year ending December 31, 1917—Continued.

PEORIA, ILL.

[H=609 ft.; h_b=11 ft.; h_c=4 ft.; h_a=45 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.	Auroras.
	Miles		*Mi.*																									
January	8.4	NW.	39	W.	0	5	5	5	4	13	6	7	15	2	18	5	8	7	5	8	3	0	2	13	0	30	0	0
February	9.3	NW.	34	NW.	0	9	4	4	4	7	4	7	16	1	10	7	11	5	3	9	2	0	0	15	0	28	1	0
March	11.4	S.	37	W.	0	7	3	6	7	14	4	11	0	1	9	14	8	7	6	5	0	2	0	3	0	17	7	0
April	10.4	NE.	34	SW.	0	3	16	9	6	12	1	5	8	0	8	10	12	15	13	3	1	2	0	0	0	8	9	0
May	7.8	N.	30	N.	0	13	10	6	4	9	4	7	8	1	9	11	11	14	8	0	0	1	0	0	0	0	8	0
June	7.1	S.	34	SW.	0	5	3	5	6	12	10	11	7	1	7	16	7	11	11	0	0	0	0	0	1	0	12	0
July	4.8	S.	21	S.	0	7	3	3	5	18	7	3	11	5	13	18	0	9	6	0	0	0	1	0	9	0	12	0
August	4.4	NW.	25	S.	0	6	4	5	6	9	7	3	14	8	15	10	6	9	7	0	0	0	0	0	3	0	4	2
September	5.1	S.	21	SW.	0	8	12	10	6	12	2	1	5	4	15	10	5	7	7	0	0	0	0	0	0	0	6	0
October	7.2	S.	28	W.	0	7	2	2	9	10	6	7	17	2	7	9	15	11	10	5	2	0	2	0	0	13	3	0
November	5.4	N.	34	NW.	0	15	6	4	5	13	3	5	5	4	11	8	11	3	1	3	1	0	2	0	0	14	0	0
December	7.8	N.	24	SW.	0	14	3	2	10	11	3	7	10	2	9	10	12	10	6	10	8	0	0	17	0	26	0	0
Year	7.4	S.	39	W.	0	99	71	61	72	140	57	74	125	31	131	128	106	108	83	43	17	5	7	48	13	136	62	2

PHILADELPHIA, PA.

[H=117 ft.; h_b=123 ft.; h_c=114 ft.; h_a=190 ft.]

January	10.9	NW.	40	S.	1	6	3	5	4	6	15	5	18	0	8	8	15	10	10	7	4	0	3	5	0	20	0	0
February	12.0	NW.	40	NW.	1	4	7	2	0	5	14	3	21	0	6	10	12	9	8	8	5	0	1	7	0	24	0	0
March	11.2	NW.	38	NW.	0	4	9	5	5	6	5	8	20	0	11	10	10	13	13	6	4	0	1	0	0	10	0	0
April	11.4	NW.	35	NW.	0	9	4	8	6	6	4	7	16	0	10	10	10	9	5	2	2	0	1	0	0	3	1	0
May	11.2	NW.	36	N.	0	13	6	5	6	3	5	5	19	0	5	14	12	9	8	0	0	1	0	0	0	0	7	0
June	9.2	SW.	31	W.	0	6	0	3	4	17	15	4	11	0	10	9	11	9	6	0	0	0	0	0	0	0	10	0
July	8.9	SW.	29	SE.	0	4	2	8	7	7	26	5	3	0	5	9	17	11	9	0	0	0	0	0	4	0	11	0
August	8.7	SW.	31	SW.	0	6	4	2	8	15	15	2	10	0	13	10	8	8	5	0	0	0	0	0	2	0	7	0
September	9.0	NW.	33	N.	0	13	13	3	4	3	9	4	11	0	9	10	11	7	5	0	0	0	1	0	0	0	1	0
October	10.7	NW.	38	NE.	0	10	4	5	7	10	7	4	15	0	13	9	9	10	9	0	0	0	1	0	0	1	2	0
November	9.4	NW.	31	N.	0	6	3	1	2	1	13	5	29	0	17	7	6	4	4	3	2	0	0	1	0	5	0	0
December	11.8	NW.	38	NW.	0	9	12	2	0	3	10	4	22	0	9	8	14	11	7	8	8	0	1	11	0	26	0	0
Year	10.4	NW.	40	S.	2	90	67	49	53	82	138	56	195	0	116	114	135	110	89	34	25	1	9	24	6	89	39	0

PHOENIX, ARIZ.

[H=1,108 ft.; h_c=11 ft.; h_r=68 ft.; h_a=81 ft.]

January	4.2	W.	24	W.	0	2	7	14	8	3	3	16	9	0	18	2	11	9	6	0	0	0	1	0	0	5	0	0
February	4.8	E.	24	NE.	0	3	4	15	5	7	5	12	5	0	19	5	4	4	2	0	0	1	0	0	0	1	1	0
March	5.7	W.	24	W.	0	4	1	13	1	3	3	30	7	0	27	3	1	1	1	1	0	0	0	0	1	2	0	0
April	5.7	W.	25	SW.	0	3	2	10	2	7	7	18	11	0	23	4	3	6	4	0	0	0	0	0	3	0	1	0
May	6.2	E.	24	NW.	0	4	6	15	7	1	5	11	13	0	25	5	1	3	2	0	0	0	0	0	7	0	2	0
June	4.9	W.	21	S.	0	3	4	16	8	0	3	18	7	1	30	0	0	0	0	0	0	0	0	0	29	0	0	0
July	6.0	W.	45	E.	3	3	3	9	9	1	6	25	6	0	22	8	1	7	4	0	0	0	0	0	30	0	16	0
August	4.6	W.	42	E.	1	8	3	11	8	3	2	18	7	2	25	6	0	1	1	0	0	0	0	0	31	0	6	0
September	5.1	E.	32	SE.	0	4	0	19	9	6	6	12	4	0	20	9	1	4	2	0	0	0	0	0	28	0	8	0
October	4.5	E.	19	S.	0	7	4	16	7	3	6	4	15	0	29	2	0	0	0	0	0	0	0	0	16	0	0	0
November	4.1	E.	14	NE.	0	5	2	19	11	2	2	7	12	0	26	4	0	0	0	0	0	0	0	0	0	0	0	0
December	4.1	E.	19	N.	0	2	1	20	4	5	7	9	14	0	28	2	1	0	0	0	0	0	0	0	0	2	0	0
Year	5.0	W.	45	E.	4	48	37	177	79	41	55	180	110	3	292	50	23	35	22	1	1	1	1	0	145	10	34	0

PIERRE, S. DAK.

[H=1,572 ft.; h_t=70 ft.; h_r=63 ft.; h_a=75 ft.]

January	9.7	NW.	48	NW.	4	6	8	12	8	1	6	7	14	0	12	7	12	8	6	9	8	0	0	19	0	30	0	0
February	10.3	NW.	55	NW.	2	7	5	6	5	0	4	9	20	0	7	8	13	11	4	15	11	0	0	21	0	28	0	0
March	10.6	NW.	46	NW.	1	9	7	5	6	0	6	7	22	0	11	7	13	5	3	10	5	0	0	11	0	29	0	0
April	10.8	NW.	44	NW.	3	11	10	14	6	1	0	4	14	0	7	5	18	12	10	3	3	0	0	0	0	12	1	0
May	9.6	NE.	53	NE.	2	5	15	12	14	2	6	2	6	0	14	8	9	7	7	0	0	0	0	0	0	1	2	0
June	9.6	NW.	47	NW.	1	4	3	7	13	2	5	4	22	0	18	2	10	8	5	0	0	0	0	0	4	0	7	0
July	9.3	SE.	70	W.	1	8	6	7	20	3	4	2	12	0	19	8	4	7	4	0	0	1	0	0	20	0	10	0
August	8.4	NW.	37	NW.	0	7	12	8	10	5	4	2	14	0	15	12	4	8	6	0	0	0	0	0	11	0	8	0
September	9.4	SE.	42	N.	1	5	7	15	11	2	3	6	11	0	13	5	12	9	5	0	0	0	0	0	1	0	5	0
October	11.5	NW.	52	NW.	2	11	3	8	8	0	2	3	27	0	11	6	14	1	0	3	0	0	0	3	0	20	0	0
November	7.0	SE.	60	NW.	1	7	3	15	13	2	4	2	14	0	16	3	11	0	0	0	0	0	0	0	0	18	0	0
December	8.7	NW.	42	NW.	1	12	6	14	12	0	2	1	15	0	3	14	14	13	6	16	13	0	0	19	0	30	0	0
Year	9.6	NW.	70	W.	19	92	85	123	126	18	46	49	191	0	146	85	134	89	56	56	40	1	0	73	36	168	33	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

PITTSBURGH, PA.

[ϕ=40° 32′ N.; λ=80° 2′ 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	29.116	29.860	28.410	28.3	32.4	40.1	23.2	31.6	62	5	23	24	81	70	0.132	0.142	4.33	1.64	8.0	5.5	6.7
February	29.104	29.730	28.320	23.0	28.7	36.5	17.5	27.0	64	—6	17	19	79	66	.107	.119	.99	.50	8.1	6.2	6.4
March	29.146	29.580	28.620	36.3	42.1	49.3	31.8	40.6	75	12	29	30	76	63	.168	.171	3.36	.95	6.3	6.2	6.1
April	29.092	29.520	28.310	44.4	50.7	58.7	40.4	49.6	81	21	37	40	76	68	.234	.262	2.20	.64	5.9	6.5	6.1
May	28.986	29.320	28.550	50.4	56.6	62.9	46.4	54.6	83	36	44	47	79	72	.295	.331	2.65	.82	7.4	7.3	7.7
June	29.128	29.500	28.830	63.6	70.5	76.4	58.8	67.6	88	42	56	56	78	63	.463	.465	3.65	1.34	7.6	6.0	6.6
July	29.084	29.272	28.740	69.3	75.6	82.1	65.0	73.6	93	55	62	62	80	64	.572	.562	2.33	.90	5.9	5.6	5.8
August	29.131	29.350	28.720	67.4	73.6	80.9	63.4	72.2	93	52	61	60	80	65	.540	.530	4.75	1.16	4.4	4.5	5.2
September	29.230	29.460	28.820	55.3	64.5	71.7	52.5	62.1	84	38	51	52	86	66	.382	.407	1.90	.83	4.3	2.9	4.1
October	29.137	29.410	28.570	44.1	49.7	57.9	39.9	48.9	79	26	38	39	80	69	.237	.255	5.27	1.59	6.7	6.3	6.9
November	29.243	29.720	28.390	33.9	41.3	47.6	32.0	39.8	64	19	29	31	81	68	.159	.176	.28	.12	5.1	4.7	5.6
December	29.305	29.740	28.300	21.9	25.7	31.0	18.0	24.5	50	—5	17	17	81	69	.104	.106	1.19	.42	8.3	6.7	7.7
Year	29.142	29.860	28.300	44.8	51.0	57.9	40.7	49.3	93	—6	39	40	80	67	.283	.294	32.90	1.64	6.5	5.7	6.2

POCATELLO, IDAHO.

[ϕ=42° 52′ N.; λ=112° 29′ W.]

January	25.521	25.910	25.040	14.1	20.3	25.6	8.1	16.8	43	—13	10	14	84	76	0.076	0.085	0.82	0.20	7.1	6.5	6.6
February	25.500	25.930	24.920	21.6	28.1	32.8	17.0	24.9	47	0	17	22	84	76	.097	.116	2.15	.60	8.4	7.4	7.5
March	25.486	25.930	24.920	22.7	30.0	34.5	18.6	26.6	56	1	18	21	82	66	.100	.110	1.29	.50	7.3	6.8	6.7
April	25.390	25.810	24.860	34.9	45.4	49.1	32.1	40.6	67	17	27	29	73	55	.148	.162	1.83	.72	6.9	7.3	7.1
May	25.361	25.620	25.110	43.1	56.4	60.9	40.5	50.7	80	32	34	33	71	46	.198	.197	2.63	.35	5.0	6.2	6.6
June	25.509	25.936	25.040	50.1	72.4	74.3	46.8	60.6	89	33	34	32	57	25	.200	.181	.52	.31	2.5	2.9	3.1
July	25.485	25.720	25.300	61.2	86.1	89.8	58.9	74.4	97	46	42	39	51	22	.287	.251	.16	.09	2.9	3.3	3.5
August	25.528	25.670	25.352	54.9	82.6	85.0	53.4	69.2	94	47	37	32	54	18	.231	.190	.04	.02	2.1	2.8	2.6
September	25.519	25.740	25.282	53.4	71.9	76.6	49.5	63.0	89	37	38	37	59	33	.234	.228	1.29	.72	3.8	3.3	3.9
October	25.583	25.880	25.090	40.0	58.3	64.4	36.5	50.4	82	13	26	26	58	30	.144	.145	T.	T.	2.6	3.9	3.8
November	25.637	26.020	25.200	35.3	45.2	51.6	31.7	41.6	69	21	27	30	74	61	.148	.171	.07	.31	5.0	6.3	6.0
December	25.534	25.840	25.190	37.6	40.8	46.1	34.0	40.0	57	22	29	29	70	63	.159	.163	.55	.23	6.4	8.0	7.6
Year	25.504	26.020	24.860	39.1	53.1	57.6	35.6	46.6	97	—13	28	29	68	48	.168	.167	11.95	.72	5.0	5.4	5.4

POINT REYES LIGHT, CAL.

[ϕ=38° 11′ N.; λ=122° 51′ W.]

January	29.596	29.880	29.250	.....	47.5	51.4	41.8	46.6	66	32	....	43	....	85	.....	0.277	1.81	1.08	.....	2.4	4.3
February	29.539	29.910	28.880	.....	47.9	53.6	43.4	48.5	72	38	....	45	....	89	.....	.296	2.46	.93	.....	4.6	5.8
March	29.635	29.960	29.230	.....	47.8	49.5	42.1	45.8	55	36	....	44	....	86	.....	.285	.30	.11	.....	2.2	3.5
April	29.494	29.810	29.150	.....	51.2	53.5	44.9	49.2	63	40	....	48	....	88	.....	.331	1.19	.55	.....	2.0	4.3
May	29.443	29.740	29.130	.....	50.2	52.0	44.7	48.4	58	40	....	46	....	88	.....	.315	.06	.03	.....	3.3	4.6
June	29.460	29.650	29.260	.....	53.0	55.5	45.8	50.6	68	40	....	48	....	85	.....	.337	0	0	.....	1.3	3.6
July	29.378	29.520	29.240	.....	54.4	57.0	48.7	52.8	62	46	....	51	....	90	.....	.346	T.	T.	.....	1.9	3.1
August	29.452	29.600	29.300	.....	54.2	56.9	50.3	53.6	62	48	....	52	....	94	.....	.391	T.	T.	.....	1.6	2.4
September	29.441	29.550	29.247	.....	57.8	63.2	51.9	57.6	81	47	....	54	....	89	.....	.422	.13	.07	.....	1.5	3.5
October	29.477	29.640	29.258	.....	56.4	63.5	51.3	57.4	90	46	....	52	....	87	.....	.384	0	0	.....	2.3	3.4
November	29.584	29.800	29.330	.....	55.5	61.8	50.9	56.4	78	47	....	52	....	88	.....	.393	1.57	.59	.....	3.8	6.1
December	29.600	29.800	29.320	.....	54.5	59.7	49.5	54.6	68	45	....	51	....	90	.....	.376	.82	.52	.....	2.4	4.1
Year	29.509	29.960	28.880	.....	52.6	56.5	47.1	51.8	90	32	....	49	....	88	.....	.346	8.34	1.08	.....	2.4	5.5

PORT ANGELES, WASH.

[ϕ=48° 7′ N.; λ=123° 6′ W.]

January	30.123	30.650	29.410	.....	38.6	42.1	31.0	36.6	50	10	....	35	....	86	.....	0.205	2.98	0.45	.....	7.1	8.0
February	30.067	30.620	29.214	.....	39.6	41.5	32.8	37.2	50	19	....	36	....	86	.....	.213	2.46	.65	.....	8.5	8.8
March	30.067	30.540	29.300	.....	43.0	46.9	32.3	39.2	51	25	....	35	....	75	.....	.205	2.19	.81	.....	6.8	5.3
April	29.963	30.280	29.440	.....	48.2	50.7	38.5	44.6	66	31	....	41	....	78	.....	.257	1.95	.46	.....	7.7	7.0
May	30.050	30.310	29.710	.....	52.1	54.3	41.9	48.1	60	33	....	45	....	78	.....	.300	.28	.12	.....	4.5	5.5
June	30.150	30.450	29.850	.....	56.9	59.7	45.3	52.5	73	39	....	47	....	72	.....	.328	.95	.34	.....	5.2	5.6
July	30.066	30.280	29.760	.....	61.7	64.5	46.9	55.7	77	41	....	51	....	68	.....	.371	.09	.04	.....	2.1	2.7
August	30.085	30.350	29.840	.....	64.1	66.7	47.6	57.2	76	43	....	53	....	68	.....	.405	.08	.03	.....	1.7	2.5
September	30.031	30.270	29.730	.....	58.3	60.9	45.9	53.4	71	40	....	51	....	79	.....	.379	1.11	.38	.....	6.0	6.8
October	30.195	30.580	29.810	.....	52.1	54.9	41.3	48.1	68	32	....	46	....	82	.....	.321	.51	.21	.....	4.5	6.1
November	30.069	30.440	29.440	.....	47.5	51.2	40.4	45.8	60	32	....	45	....	93	.....	.306	1.81	.62	.....	7.5	8.9
December	29.991	30.520	29.230	.....	42.5	46.2	36.5	41.4	56	23	....	39	....	89	.....	.245	11.44	1.67	.....	8.8	9.8
Year	30.071	30.650	29.214	.....	50.4	53.2	40.0	46.6	77	10	....	44	....	80	.....	.295	25.80	1.67	.....	5.9	6.4

Annual meteorological summary for the year ending December 31, 1917—Continued.

PITTSBURGH, PA.

[H=842 ft.; h_t=353 ft.; h_r=345 ft.; h_a=410 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.	Thunderstorm.	Auroras.
	Miles		*Mi.*																										
January	12.6	SW.	53	W.	2	1	1	5	4	10	18	14	9	0	3	15	13	18	11	14	11	1	2	9	0	24	1	0
February	14.2	NW.	43	NW.	4	4	3	3	1	6	14	13	12	0	5	12	11	10	6	14	8	0	0	11	0	26	3	0
March	15.3	W.	48	W.	6	4	7	4	6	9	12	15	5	0	8	10	13	15	12	11	5	0	1	2	0	20	2	0
April	12.6	NW.	54	NW.	4	6	3	5	6	8	4	10	18	0	6	11	13	12	10	7	3	0	0	0	0	7	4	0
May	13.0	NW.	54	SW.	2	2	2	3	3	4	12	15	21	0	4	4	23	16	10	0	0	0	0	0	0	0	9	0
June	9.6	SW.	64	NW.	4	2	3	2	0	7	26	10	9	1	4	12	14	13	11	0	0	0	3	0	0	0	8	0
July	9.1	SW.	40	W.	1	4	3	6	6	9	20	8	6	0	9	7	15	11	9	0	0	0	1	0	3	0	10	0
August	8.2	SW.	49	S.	1	2	9	6	4	4	16	4	17	0	11	11	9	11	10	0	0	1	2	0	2	0	9	0
September	8.6	NW.	58	N.	1	8	13	5	9	2	8	6	9	0	12	12	6	7	6	0	0	0	8	0	0	0	3	0
October	11.9	SW.	45	W.	3	2	4	5	6	13	10	10	12	0	5	7	19	16	14	4	2	1	1	0	0	3	2	0
November	8.9	NW.	33	NW.	0	6	4	5	2	4	15	8	16	0	9	8	13	6	2	8	2	0	6	3	0	14	0	0
December	11.0	NW.	51	SW.	3	2	6	9	2	8	8	8	19	0	2	10	19	12	8	16	10	0	1	15	0	27	0	0
Year	11.2	SW.	64	NW.	31	43	58	58	49	84	163	121	153	1	78	119	168	147	109	74	41	3	25	40	5	121	51	0

POCATELLO, IDAHO.

[H=4,477 ft.; h_t=60 ft.; h_r=52 ft.; h_a=68 ft.]

January	10.9	SE.	42	SW.	2	0	1	0	23	6	10	10	12	0	4	14	13	13	7	20	13	0	0	22	0	31	0	0
February	10.0	SE.	44	S.	2	5	1	0	14	9	8	10	9	0	3	8	17	13	9	19	12	1	0	13	0	27	0	0
March	11.8	SE.	50	SW.	3	1	0	1	24	4	20	10	2	0	2	16	13	12	7	17	12	0	0	14	0	28	0	0
April	10.0	SE.	36	SW.	0	2	2	2	20	6	15	10	3	0	2	13	15	14	8	10	6	0	0	0	0	16	1	0
May	8.9	SE.	36	SW.	0	1	1	3	22	6	16	9	4	0	5	12	14	14	10	2	1	1	0	0	0	1	8	0
June	8.8	SE.	40	SW.	1	2	1	0	18	5	16	13	5	0	19	9	2	5	4	1	1	0	0	0	0	0	1	0
July	8.3	SE.	38	SW.	0	1	5	3	28	3	9	13	0	0	18	10	3	3	2	0	0	0	0	0	19	0	7	0
August	7.3	SE.	38	SW.	0	5	2	3	22	6	5	17	1	1	20	8	3	2	0	0	0	0	0	0	5	0	6	0
September	8.8	SE.	36	SW.	0	1	3	2	28	8	8	10	0	0	14	9	7	6	6	0	0	1	0	0	0	0	4	0
October	9.5	SE.	40	SW.	1	3	0	0	22	4	13	17	3	0	15	11	5	0	0	3	0	0	0	1	0	9	0	0
November	7.1	SE.	38	S.	0	1	0	3	28	10	3	9	5	1	8	9	13	9	7	3	0	0	1	0	0	14	0	0
December	14.8	SW.	50	SW.	3	0	0	1	23	6	31	1	0	0	3	9	19	8	6	5	2	0	0	0	0	12	0	0
Year	9.7	SE.	50	SW.	12	22	16	18	272	73	154	129	44	2	113	128	124	99	66	80	47	3	1	50	24	138	27	0

POINT REYES LIGHT, CAL.

[H=490 ft.; h_t=7 ft.; h_r=4 ft.; h_a=18 ft.]

January	17.3	NW.	78	NW.	11	3	2	0	4	1	1	1	19	0	16	6	9	7	5	0	0	0	10	0	0	0	0	0
February	22.1	NW.	101	NW.	12	2	0	0	5	1	6	0	14	0	7	9	12	12	10	0	0	0	16	0	0	0	0	0
March	27.7	NW.	73	NW.	18	0	0	0	0	0	1	0	30	0	20	5	6	5	4	0	0	0	10	0	0	0	0	0
April	29.1	NW.	61	NW.	9	0	0	0	3	2	3	0	22	0	13	8	9	12	6	0	0	0	16	0	0	0	0	0
May	28.7	NW.	74	NW.	20	0	0	0	0	0	1	0	30	0	15	5	11	3	0	0	0	0	12	0	0	0	0	0
June	31.6	NW.	66	NW.	20	0	0	0	0	1	0	0	29	0	17	7	6	0	0	0	0	0	16	0	0	0	0	0
July	28.1	NW.	50	NW.	7	0	0	0	4	1	2	1	23	0	1	8	22	0	0	0	0	0	29	0	0	0	0	0
August	15.6	NW.	54	NW.	7	0	0	0	5	1	4	1	20	0	0	5	26	0	0	0	0	0	29	0	0	0	0	0
September	17.3	NW.	60	NW.	3	2	1	0	1	1	1	1	23	0	11	8	11	4	2	0	0	0	21	0	0	0	0	0
October	12.8	NW.	42	NW.	1	9	0	0	2	3	4	0	13	0	9	6	16	6	0	0	0	0	21	0	1	0	0	0
November	18.7	NW.	48	SW.	8	6	1	0	4	1	5	1	11	1	10	2	18	10	7	0	0	0	17	0	0	0	0	0
December	14.9	N.	70	S.	5	9	3	0	3	2	1	2	11	0	17	8	6	3	3	0	0	0	13	0	0	0	0	0
Year	20.2	NW.	101	NW.	121	31	7	0	31	14	29	7	245	1	136	77	152	56	37	0	0	1	210	0	1	0	0	0

PORT ANGELES, WASH.

[H=42 ft.; h_t=8 ft.; h_r=29 ft.; h_a=53 ft.]

January	5.5	SE.	32	SW.	0	3	1	6	5	2	9	4	1	0	4	4	23	20	16	5	5	0	0	1	0	13	0	0
February	5.0	SE.	37	SW.	0	9	3	4	1	1	6	1	3	0	2	2	24	13	11	4	4	0	0	0	0	13	0	1
March	7.3	W.	34	SW.	0	2	6	2	2	0	2	9	8	0	11	9	11	15	10	1	1	1	0	0	0	14	0	0
April	5.3	NW.	23	NE.	0	3	3	2	1	1	0	2	18	0	4	9	17	19	11	0	0	0	0	0	0	1	0	0
May	7.2	NW.	24	NW.	0	2	0	0	0	0	0	1	28	0	9	13	9	5	4	0	0	0	1	0	0	0	0	0
June	7.5	NW.	37	W.	0	0	3	1	0	0	0	3	23	0	8	12	10	11	6	0	0	0	0	0	0	0	0	0
July	7.1	NW.	27	NW.	0	0	0	0	0	0	0	1	30	0	23	5	3	4	1	0	0	0	0	0	0	0	0	0
August	5.7	NW.	26	NW.	0	0	2	3	0	0	0	1	25	0	25	2	4	1	0	0	0	0	2	0	0	0	0	1
September	4.4	NW.	34	NW.	0	2	1	5	1	0	0	1	20	0	7	6	17	12	5	0	0	0	1	0	0	0	0	0
October	5.3	S.	30	NW.	0	1	4	6	3	2	2	3	10	0	7	9	15	9	5	0	0	0	9	0	0	1	0	0
November	4.4	S.	25	W.	0	0	6	3	4	6	3	6	2	0	0	6	24	16	10	0	0	0	5	0	0	0	0	0
December	6.2	S.	33	NW.	0	1	2	5	2	5	3	8	5	0	0	0	31	25	20	3	3	0	2	0	0	4	0	0
Year	5.9	NW.	37	SW.	0	22	31	37	19	17	25	40	173	0	100	77	188	150	99	13	13	1	20	1	0	46	0	2

Annual meteorological summary for the year ending December 31, 1917—Continued.

PORT ARTHUR, TEX.

[ϕ=29° 52′ N.; λ=93° 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	30.085	30.760	29.740	51.1	58.4	64.4	48.6	56.5	77	22	48	53	89	82	0.383	0.442	3.09	1.60	3.9	4.7	5.4
February	30.084	30.440	29.790	58.5	63.4	67.9	55.8	61.8	78	31	54	59	88	86	.460	.526	2.29	1.08	5.3	5.9	5.8
April	29.928	30.170	29.680	61.9	67.7	72.8	59.0	65.9	82	43	59	62	89	82	.520	.566	3.05	1.19	4.2	4.1	4.4
May	29.910	30.200	29.650	66.3	72.5	76.8	63.9	70.4	91	46	63	68	88	86	.590	.701	2.89	1.13	4.5	5.2	4.8
June	29.986	30.210	29.766	76.4	80.6	85.9	72.8	79.4	92	58	73	74	88	82	.813	.857	1.93	1.93	1.9	3.2	2.9
July	29.958	30.130	29.720	79.2	83.1	89.5	76.0	82.8	97	68	76	78	90	84	.897	.953	6.42	2.69	3.4	4.8	4.4
August	29.944	30.090	29.730	77.5	82.9	90.1	74.6	82.4	95	66	75	76	91	80	.863	.900	6.79	3.92	2.4	3.9	3.8
September	29.952	30.090	29.770	70.3	79.2	85.8	68.6	77.2	92	57	68	69	91	73	.689	.729	2.65	1.46	2.1	3.8	3.1
October	30.021	30.320	29.680	59.2	66.7	75.0	55.0	65.0	88	32	54	58	85	74	.461	.518	1.35	.77	1.9	1.5	2.2
November	30.166	30.460	29.820	49.7	60.8	69.2	47.3	58.2	80	37	46	52	86	74	.320	.394	1.02	.83	1.2	1.0	1.5
December	30.127	30.520	29.506	46.7	51.6	56.9	43.5	50.2	77	20	44	46	90	83	.316	.348	1.07	.28	6.1	3.8	5.3
Year																					

PORT HURON, MICH.

[ϕ=43° 0′ N.; λ=82° 26′ W.]

January	29.271	30.127	28.480	18.4	21.9	28.5	13.5	21.0	42	−6	16	18	89	84	0.097	0.103	1.32	0.48	6.9	5.8	6.3
February	29.276	29.980	28.670	13.2	16.3	24.3	7.4	15.8	46	−17	10	14	87	88	.077	.084	.61	.12	6.4	5.2	5.6
March	29.282	29.782	28.640	30.3	35.0	41.2	26.0	33.6	67	6	25	28	80	74	.137	.157	1.67	.35	7.0	6.4	6.2
April	29.290	29.690	28.710	38.3	41.0	47.8	33.2	40.5	73	23	32	35	77	80	.187	.214	2.52	.64	6.2	7.0	6.6
May	29.192	29.484	28.600	46.1	47.0	54.0	40.1	47.0	82	31	38	39	75	76	.235	.250	1.63	.42	5.4	6.3	6.1
June	29.289	29.632	28.950	58.9	60.6	69.6	51.0	60.3	83	41	52	52	77	75	.389	.398	4.32	2.02	4.9	5.8	5.3
July	29.245	29.500	28.920	67.1	70.2	77.8	61.3	69.6	96	50	61	62	82	76	.555	.570	4.61	2.30	4.3	4.8	4.6
August	29.311	29.570	28.840	64.1	67.5	75.6	58.1	66.8	93	47	57	58	79	73	.480	.493	2.42	.97	4.4	5.6	4.5
September	29.439	29.700	28.960	54.2	59.0	68.3	49.0	58.6	81	35	49	51	82	75	.349	.379	1.63	.61	2.7	3.6	4.2
October	29.288	29.600	28.590	40.4	43.6	50.5	36.1	43.3	67	26	36	37	85	79	.219	.231	2.79	.66	6.9	5.4	7.5
November	29.446	29.950	28.460	32.0	35.2	42.8	28.2	35.5	60	15	29	31	88	82	.161	.176	.84	.43	5.1	4.5	5.8
December	29.493	29.970	28.550	17.6	20.2	25.6	13.3	19.4	42	−2	15	16	90	81	.095	.094	.96	.36	4.5	5.6	6.5
Year	29.318	30.127	28.460	40.0	43.2	50.5	34.8	42.6	96	−17	35	37	83	79	.248	.262	25.32	2.30	5.4	5.5	5.8

PORTLAND, ME.

[ϕ=43° 39′ N.; λ=70° 15′ W.]

January	29.851	30.600	29.230	18.9	24.0	29.9	14.8	22.4	47	−2	12	13	72	61	0.081	0.085	4.53	1.19	5.7	5.5	5.6
February	29.760	30.350	28.760	15.3	22.1	28.3	10.3	19.3	50	−13	9	11	76	60	.078	.078	3.35	1.44	4.8	3.9	4.9
March	29.907	30.440	29.280	29.0	33.3	39.2	25.0	32.1	53	8	21	22	71	63	.117	.121	4.53	1.47	5.5	4.7	5.2
April	29.830	30.220	29.210	38.9	39.8	46.5	34.0	40.2	60	21	29	30	68	68	.162	.170	2.93	1.66	5.8	5.5	6.3
May	29.696	30.190	29.240	46.3	47.4	54.6	40.0	47.3	79	32	36	36	68	68	.207	.215	3.19	1.09	5.5	7.0	7.0
June	29.898	30.240	29.562	57.1	57.4	64.9	51.5	58.2	86	45	52	51	84	83	.385	.382	10.86	4.15	7.0	6.7	6.9
July	29.832	30.160	29.510	68.1	67.4	77.7	60.0	68.8	92	54	60	60	78	78	.531	.520	1.92	.55	5.4	5.2	5.5
August	29.911	30.250	29.560	66.5	66.3	73.5	60.3	66.9	85	52	60	60	82	83	.528	.525	4.78	2.41	4.4	4.6	5.6
September	29.991	30.470	29.380	54.9	56.0	65.1	47.8	56.4	80	36	47	48	75	76	.350	.347	.32	.11	3.4	2.9	3.9
October	29.938	30.347	29.050	45.3	47.2	53.9	40.1	47.0	63	33	39	40	80	77	.248	.253	4.09	1.14	5.4	4.9	5.5
November	29.900	30.460	29.380	31.0	35.3	42.2	27.1	34.6	58	10	21	21	66	57	.117	.119	.82	.63	4.8	3.4	3.9
December	30.066	30.830	29.000	16.1	18.7	25.6	10.0	17.8	43	−21	10	8	74	62	.085	.074	4.22	1.74	5.7	4.8	4.9
Year	29.882	30.830	28.760	40.6	42.9	50.1	35.1	42.6	92	−21	33	33	74	70	.239	.241	45.54	4.15	5.3	4.9	5.4

PORTLAND, OREG.

[ϕ=45° 32′ N.; λ=122° 41′ W.]

January	30.055	30.400	29.420	37.7	43.0	44.3	35.0	39.6	55	22	33	33	82	68	0.192	0.196	2.54	0.67	6.7	7.7	7.4
February	29.937	30.430	29.174	38.6	45.1	46.4	36.6	41.5	61	30	34	36	85	71	.201	.215	3.32	.78	8.1	8.2	8.1
March	30.009	30.373	29.480	38.6	46.5	48.6	36.5	42.6	59	29	33	34	81	65	.191	.201	5.33	.95	7.5	7.5	7.5
April	29.868	30.190	29.450	44.3	52.7	55.9	42.8	49.4	67	37	39	40	82	65	.238	.249	5.36	1.06	8.5	8.8	8.4
May	29.896	30.160	29.496	48.6	60.0	61.6	47.5	54.6	78	39	44	44	83	58	.285	.296	2.31	.87	9.1	7.3	7.5
June	29.960	30.270	29.691	52.8	70.4	72.0	51.6	61.8	90	43	47	46	81	44	.321	.315	1.17	.51	5.1	4.9	5.2
July	29.843	30.080	29.634	58.5	80.0	80.6	57.4	69.0	91	50	51	50	76	38	.372	.378	.01	.01	2.6	1.2	2.6
August	29.870	30.180	29.590	60.0	81.3	82.1	58.5	70.3	92	51	53	53	78	39	.403	.403	T.	T.	2.3	1.6	2.3
September	29.867	30.120	29.609	56.5	69.1	71.5	54.7	63.1	83	50	53	55	88	62	.400	.430	1.96	.50	6.2	5.6	5.9
October	30.028	30.360	29.760	49.9	64.3	66.9	47.7	57.3	85	34	45	46	85	53	.313	.333	.03	.01	4.8	2.2	4.5
November	29.962	30.320	29.280	47.4	54.4	57.4	43.9	50.6	66	34	42	43	83	68	.272	.282	4.24	1.20	4.2	6.4	6.1
December	29.937	30.390	29.350	47.2	50.5	52.5	44.3	48.4	65	34	43	44	85	80	.286	.304	14.23	2.49	8.6	9.5	9.3
Year	29.935	30.430	29.174	48.3	59.8	61.6	46.4	54.0	92	22	43	44	82	59	.290	.300	40.50	2.49	6.1	6.0	6.2

Annual meteorological summary for the year ending December 31, 1917—Continued.

PORT ARTHUR, TEX.

[H=34 ft.; h.=58 ft.; h_r=51 ft.; h_a=66 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 & 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. Auroras.
	Miles		*Mi.*																									
January																												
February	10.6	S.	39	NW.	0	8	3	7	8	16	6	3	5	0	6	15	7	10	6	0	0	0	6	0	0	3	1	0
March	12.5	S.	34	S.	0	14	7	7	8	23	2	0	1	0	6	13	12	11	7	0	0	0	3	0	0	1	2	0
April	12.3	SE.	34	S.	0	9	2	6	15	13	6	1	8	0	13	10	7	8	7	0	0	0	0	0	0	0	4	0
May	12.0	S.	42	E.	1	7	13	8	3	21	9	0	1	0	13	8	10	7	6	0	0	0	0	0	1	0	3	0
June	10.3	S.	31	S.	0	3	4	2	4	26	18	2	1	0	17	13	0	1	1	0	0	0	0	3	0	0	2	0
July	9.2	S.	28	SW.	0	2	4	0	2	16	29	6	3	0	11	16	4	13	7	0	0	0	0	0	12	0	11	0
August	7.4	SW.	36	NE.	0	4	7	3	3	8	23	8	5	1	13	13	5	11	8	0	0	0	0	0	18	0	12	0
September	7.9	E.	29	N.	0	9	16	17	3	11	2	1	1	0	17	10	3	7	6	0	0	0	0	0	3	0	6	0
October	9.0	E.	35	N.	0	14	6	15	5	14	5	0	3	0	24	4	3	5	5	0	0	0	3	0	0	0	2	0
November	8.0	E.	32	NW.	0	9	9	8	8	9	4	8	5	0	25	4	1	3	2	0	0	0	3	0	0	0	1	0
December	9.9	NE.	39	NW.	0	6	21	12	5	9	5	2	2	0	9	11	11	9	5	0	0	0	4	0	0	8	2	0
Year																												

PORT HURON, MICH.

[H=638 ft.; h_b=70 ft.; h_r=63 ft.; h_a=120 ft.]

January	12.4	SW.	46	W.	1	0	4	1	4	7	19	14	13	0	8	9	14	11	7	14	9	0	1	17	0	31	0	0
February	13.0	NW.	35	NW.	0	3	2	3	4	11	8	23	0	0	5	16	7	11	7	17	9	0	0	22	0	28	0	0
March	15.4	SW.	50	W.	2	3	6	4	4	13	11	10	11	0	8	8	15	14	10	11	8	0	0	6	0	24	3	0
April	12.1	NE.	36	NE.	0	6	16	3	7	7	4	5	12	0	8	8	14	13	10	7	4	0	0	2	0	13	2	0
May	13.5	NE.	40	SW.	2	10	19	6	4	1	5	7	10	0	8	10	13	14	9	1	1	0	0	0	0	1	5	0
June	10.2	SW.	38	NW.	0	6	11	2	7	7	14	6	7	0	6	19	5	9	8	0	0	1	0	0	0	0	9	0
July	8.3	SW.	29	NW.	0	5	12	7	3	2	16	12	5	0	12	14	5	13	9	0	0	1	2	0	3	0	11	0
August	8.8	NE.	52	NW.	1	4	11	6	8	9	12	4	8	0	10	17	4	11	7	0	0	0	0	2	0	6	0	0
September	9.3	NE.	30	NW.	0	2	14	7	4	11	8	3	11	0	12	15	3	8	5	0	0	0	2	0	0	0	3	0
October	12.5	NW.	33	SW.	0	0	3	3	11	13	11	10	11	0	2	11	18	20	15	3	0	0	0	0	0	7	0	0
November	10.6	NW.	40	NE.	1	0	10	2	6	8	6	12	16	0	10	7	13	6	6	4	3	0	5	5	0	22	0	0
December	12.0	NW.	42	NW.	2	1	1	3	8	8	12	5	24	0	6	11	14	10	4	13	8	0	1	22	0	29	0	0
Year	11.5	SW.	52	NW.	9	40	109	46	69	90	129	96	151	0	95	145	125	140	97	70	42	3	11	74	5	155	39	0

PORTLAND, ME.

[H=103 ft.; h_b=82 ft.; h_r=75 ft.; h_a=117 ft.]

January	9.2	W.	42	SE.	1	11	0	0	3	4	15	15	14	0	11	7	13	15	12	15	14	0	0	17	0	29	0	0
February	9.4	NW.	41	NW.	1	9	0	2	4	6	12	11	12	0	11	8	9	12	9	11	9	0	1	18	0	28	0	0
March	10.9	NW.	43	SE.	1	6	0	2	6	11	8	14	15	0	15	5	11	14	11	9	9	0	0	5	0	25	0	0
April	9.6	NW.	39	NW.	0	7	5	4	1	6	9	9	19	0	7	8	15	13	9	2	1	0	2	2	0	9	0	0
May	11.1	NW.	39	NW.	0	13	7	5	2	5	3	11	16	0	8	4	19	13	11	2	2	0	0	0	0	0	2	0
June	8.3	NE.	31	NW.	0	8	11	8	5	10	7	4	7	0	8	4	18	13	12	0	0	0	4	0	0	0	2	0
July	7.8	S.	26	NW.	0	7	4	4	3	14	15	7	7	1	10	8	13	12	7	0	0	0	4	0	1	0	6	0
August	7.2	S.	22	S.	0	11	1	13	4	17	6	4	6	0	10	9	12	11	7	0	0	1	3	0	0	0	8	0
September	7.8	NW.	23	NW.	0	7	2	2	4	7	17	9	12	0	16	9	5	9	2	0	0	0	2	0	0	0	0	0
October	11.2	S.	46	NE.	3	9	4	2	7	12	12	9	7	0	13	3	15	16	14	0	0	0	0	0	0	0	0	0
November	9.6	NW.	36	NW.	0	8	1	0	0	3	8	12	28	0	20	3	7	4	3	4	3	0	0	5	0	23	0	1
December	10.4	N.	60	SE.	2	16	1	1	0	3	13	4	24	0	16	3	12	7	6	8	6	0	0	18	0	29	0	0
Year	9.3	NW.	60	SE.	7	112	36	43	39	98	125	109	167	1	145	71	149	139	103	51	44	1	16	65	1	143	18	1

PORTLAND, OREG.

[H=153 ft.; h_b=68 ft.; h_r=63 ft.; h_a=106 ft.]

January	6.5	SW.	29	SW.	0	7	4	3	7	14	14	3	9	1	5	5	21	13	9	6	4	0	1	0	0	12	0	0
February	5.6	NW.	30	SW.	0	10	3	3	7	11	6	4	12	0	3	5	20	15	14	8	6	0	3	0	0	4	0	0
March	7.3	SW.	28	SW.	0	3	1	9	4	11	14	6	13	1	5	6	20	21	20	6	1	0	0	0	0	4	0	0
April	6.6	SW.	26	W.	0	2	2	3	8	11	20	5	9	0	1	4	25	24	20	9	0	0	0	0	0	0	1	0
May	4.8	NW.	20	NW.	0	8	4	1	7	8	7	7	19	1	1	11	19	16	13	0	0	0	0	0	0	0	2	0
June	6.4	NW.	33	SW.	0	13	0	1	3	6	5	9	23	0	11	9	10	13	9	0	0	0	1	0	0	0	2	0
July	7.3	NW.	27	SW.	0	21	0	1	1	2	2	1	34	0	22	7	2	1	0	0	0	0	0	0	1	0	0	0
August	6.0	NW.	18	NW.	0	12	2	1	2	1	2	0	41	1	21	8	2	0	0	0	0	0	4	0	0	0	0	0
September	4.6	NW.	17	W.	0	9	2	4	10	11	2	4	16	2	7	11	12	13	8	0	0	0	1	0	0	0	0	0
October	4.8	NW.	20	NW.	0	12	3	2	8	4	2	1	30	0	10	19	2	3	0	0	0	0	4	0	0	0	0	0
November	5.0	SE.	25	SW.	0	3	2	8	21	7	6	3	9	1	5	13	12	12	11	0	0	0	9	0	0	0	0	0
December	8.8	SW.	32	S.	0	5	0	3	6	12	24	6	6	0	0	3	28	26	24	0	0	0	0	0	0	0	0	0
Year	6.1	NW.	33	SW.	0	105	23	39	84	98	104	49	221	7	91	101	173	157	128	20	11	0	19	0	5	20	5	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

PROVIDENCE, R. I.

[ϕ=41° 50′ N.; λ=71° 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	29.813	30.522	29.140	26.1	29.9	37.2	22.0	29.6	53	2	19	21	74	68	0.114	0.122	3.01	0.92	5.5	5.5	6.5
February	29.734	30.280	28.680	23.1	26.8	32.9	17.0	25.0	52	− 2	16	17	74	64	.106	.105	1.97	.46	5.1	4.5	5.5
March	29.862	30.370	29.230	33.5	36.5	43.2	28.8	36.0	55	16	26	27	75	68	.150	.152	4.14	1.04	6.0	4.2	5.5
April	29.759	30.190	29.060	41.6	43.3	52.4	36.8	44.6	73	24	32	32	71	66	.188	.188	2.62	.88	5.7	4.9	6.2
May	29.637	30.113	29.300	48.6	50.3	58.6	42.6	50.6	81	34	37	38	66	66	.223	.231	3.39	1.31	6.2	5.6	6.8
June	29.839	30.170	29.610	63.0	65.2	74.4	57.3	65.8	86	49	56	58	80	78	.460	.480	4.33	1.18	6.6	5.3	6.1
July	29.792	30.072	29.440	71.7	72.3	82.3	64.9	73.6	100	54	62	64	74	78	.577	.616	1.09	.47	6.0	5.8	5.9
August	29.852	30.180	29.480	70.7	71.6	81.4	64.1	72.8	97	56	63	64	78	78	.583	.598	5.90	2.31	3.9	5.0	4.9
September	29.931	30.370	29.340	57.1	59.4	69.6	50.0	59.8	82	36	49	50	75	72	.355	.376	2.28	1.65	3.8	3.7	4.7
October	29.877	30.250	29.080	48.1	49.8	58.0	42.0	50.0	68	34	42	43	80	78	.277	.286	5.02	1.71	4.7	4.6	4.8
November	29.853	30.370	29.270	34.2	38.0	45.3	30.1	37.7	63	12	26	27	72	64	.145	.151	.31	.13	3.2	2.8	3.6
December	29.996	30.610	28.960	20.4	23.1	30.9	15.6	23.2	48	−12	15	16	80	73	.099	.100	2.10	.86	5.8	5.4	5.2
Year	29.829	30.610	28.680	44.8	47.2	55.5	39.3	47.4	100	−12	37	38	75	71	.273	.284	36.16	2.31	5.2	4.8	5.5

PUEBLO, COLO.

[ϕ=38° 18′ N.; λ=104° 36′ W.]

January	25.212	25.660	24.620	23.9	35.2	45.3	14.9	30.1	66	−11	9	13	57	45	0.065	0.077	0.22	0.12	1.9	2.1	2.6
February	25.253	25.670	24.620	26.7	42.5	49.3	21.6	35.4	70	− 7	17	21	67	44	.092	.111	.49	.19	2.9	4.3	3.8
March	25.204	25.660	24.800	27.5	46.7	52.7	22.5	37.6	76	− 2	14	14	59	34	.078	.085	.44	.21	2.8	3.4	2.9
April	25.196	25.550	24.690	35.3	54.8	60.7	32.8	46.8	80	21	26	26	70	39	.143	.141	1.39	.47	4.4	6.2	4.7
May	25.194	25.590	24.770	43.3	59.7	65.2	41.2	53.2	84	29	37	35	79	46	.224	.214	3.01	.98	5.0	6.5	5.5
June	25.323	25.850	24.887	53.6	80.0	83.7	50.7	67.2	100	37	41	35	63	22	.257	.205	.58	.37	1.4	3.4	3.1
July	25.343	25.660	25.110	63.3	83.3	90.8	61.3	76.0	99	53	50	48	63	32	.359	.344	1.32	.47	1.8	6.4	4.2
August	25.388	25.640	25.190	57.6	77.9	84.5	56.2	70.4	96	47	48	47	74	38	.347	.330	1.74	1.26	2.8	6.1	4.6
September	25.386	25.680	25.070	52.0	72.3	80.1	50.9	65.5	93	38	45	47	78	44	.304	.330	3.25	1.29	2.4	4.5	3.4
October	25.351	25.800	24.880	39.5	56.2	66.4	33.4	49.9	87	− 4	28	28	65	40	.157	.162	.51	.25	2.2	4.7	4.1
November	25.437	25.750	25.140	32.6	52.5	61.2	28.3	44.8	76	15	21	27	63	39	.112	.145	.02	.02	2.4	3.2	4.2
December	25.309	25.690	24.960	24.8	40.5	52.5	18.2	35.4	72	− 2	12	16	58	40	.076	.088	.03	.03	2.4	3.7	4.7
Year	25.300	25.850	24.620	40.0	58.5	66.0	36.0	51.0	100	−11	29	30	66	39	.184	.186	13.00	1.29	2.7	4.5	4.0

RALEIGH, N. C.

[ϕ=35° 45′ N.; λ=78° 37′ W.]

January	29.678	30.260	29.110	40.2	47.4	54.4	36.5	45.4	71	18	36	38	84	70	0.223	0.245	4.09	1.30	6.3	3.5	6.8
February	29.657	30.170	28.990	36.4	44.8	52.2	32.2	42.2	78	6	30	32	76	62	.198	.211	3.19	.77	5.9	3.0	5.1
March	29.721	30.085	29.260	44.0	52.4	58.7	39.8	49.2	78	26	38	40	81	67	.244	.265	5.79	1.70	5.4	3.6	5.7
April	29.573	30.038	28.950	53.5	64.0	72.6	48.7	60.6	91	33	46	44	76	51	.322	.300	4.92	1.82	4.5	3.0	4.3
May	29.505	29.810	29.190	60.0	67.5	74.5	53.8	64.2	92	41	47	47	65	52	.336	.338	2.94	1.24	4.2	3.4	4.7
June	29.662	29.950	29.400	70.7	76.1	85.1	64.8	75.0	93	54	63	63	78	67	.588	.596	5.92	1.81	5.1	4.1	4.4
July	29.616	29.840	29.260	73.9	76.5	86.7	69.9	77.8	98	63	69	69	85	79	.714	.715	7.82	2.10	5.8	5.3	5.3
August	29.625	29.890	29.270	72.0	77.5	86.0	67.8	76.9	95	59	66	66	82	70	.637	.652	1.30	.48	5.7	4.0	5.5
September	29.693	29.950	29.310	62.9	68.2	75.2	58.9	67.0	91	46	58	59	86	74	.509	.523	5.05	1.52	5.8	5.1	6.0
October	29.673	29.953	29.140	50.3	59.5	68.7	45.2	57.0	84	30	44	48	78	67	.365	.352	4.30	3.41	2.7	2.9	3.4
November	29.738	30.270	29.000	41.3	50.2	57.2	38.6	47.9	75	23	34	35	74	59	.197	.210	1.46	.64	3.6	3.5	3.8
December	29.823	30.212	28.950	27.3	34.4	40.7	24.6	32.6	65	0	23	28	85	77	.135	.161	1.98	.61	6.5	4.2	6.3
Year	29.664	30.270	28.950	52.7	59.9	67.7	48.3	58.0	98	0	46	47	79	66	.367	.381	48.67	3.41	5.1	3.8	5.1

RAPID CITY, S. DAK.

[ϕ=44° 4′ N.; λ=103° 12′ W.]

January	26.530	27.120	26.050	17.8	23.0	33.3	9.0	21.2	56	−22	7	10	60	57	0.065	0.078	0.65	0.53	3.6	4.9	4.5
February	26.597	27.136	25.850	13.0	22.9	32.2	7.4	19.8	56	−25	5	12	67	62	.060	.080	.32	.16	6.1	7.7	7.0
March	26.564	27.100	25.980	21.7	31.8	38.8	16.9	27.8	71	− 7	12	20	64	61	.081	.110	.96	.55	5.3	6.7	6.3
April	26.580	26.890	26.180	33.1	44.9	49.6	29.5	39.6	78	13	23	28	67	57	.127	.157	3.95	1.39	6.1	7.1	7.3
May	26.600	26.920	26.280	42.2	54.8	58.0	39.1	48.6	87	30	33	35	69	52	.192	.215	4.65	1.62	5.8	6.5	6.6
June	26.616	27.092	26.040	55.4	68.4	73.6	48.8	61.2	98	32	41	43	60	45	.260	.290	2.13	.61	3.6	4.8	4.2
July	26.596	26.860	26.230	66.3	84.4	88.2	61.0	74.6	101	50	50	48	57	30	.368	.350	.98	.43	2.5	2.9	3.3
August	26.678	26.989	26.380	57.9	75.3	80.3	54.0	67.2	97	43	44	45	64	36	.298	.306	1.36	1.08	2.3	4.9	3.6
September	26.681	27.060	26.350	49.3	68.5	74.4	46.4	60.4	88	37	40	42	71	41	.251	.278	.99	.35	3.8	4.4	4.1
October	26.649	27.200	26.090	37.4	47.9	55.7	30.8	43.2	81	15	25	26	63	47	.141	.145	.15	.07	5.6	4.7	4.6
November	26.734	27.120	26.390	38.8	48.2	57.8	33.6	45.7	72	17	25	27	58	45	.133	.145	.01	.01	3.8	3.1	4.0
December	26.636	27.210	26.245	15.8	21.3	31.5	7.4	19.4	64	−21	8	11	71	69	.073	.085	.71	.20	6.4	5.4	6.9
Year	26.622	27.210	25.850	37.4	49.3	56.1	32.0	44.1	101	−25	26	29	64	50	.171	.187	16.87	1.62	4.6	5.3	5.2

Annual meteorological summary for the year ending December 31, 1917—Continued.

PROVIDENCE, R. I.

[H=160 ft.; h_1=215 ft.; h_2=211 ft.; h_3=251 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	13.8	NW.	60	W.	5	6	1	3	6	3	12	18	13	0	9	5	17	14	11	14	9	0	1	11	0	27	0	0
February	15.1	NW.	60	W.	7	6	1	2	1	4	8	16	18	0	7	11	10	9	9	8	4	0	0	12	0	27	1	0
March	15.3	NW.	50	S.	9	5	3	2	3	13	7	11	18	0	9	12	10	13	10	11	7	0	2	3	0	21	0	0
April	13.0	NW.	46	NW.	2	7	5	5	7	5	3	5	23	0	7	10	13	11	9	2	1	0	2	0	0	4	1	0
May	14.2	NW.	55	NW.	4	12	5	5	3	2	7	8	20	0	5	10	16	14	9	2	2	0	1	0	0	0	1	0
June	10.7	SE.	44	NW.	1	3	1	4	19	11	10	5	7	0	7	12	11	15	13	0	0	0	4	0	0	0	5	0
July	9.9	SW.	38	SW.	0	5	3	4	6	6	22	10	6	0	7	15	9	6	5	0	0	0	0	0	4	0	5	0
August	10.1	SW.	34	NE.	0	5	5	3	7	14	15	5	7	1	10	15	6	11	8	0	0	0	0	0	1	0	8	1
September	9.6	NW.	34	N.	0	12	5	5	1	7	7	6	17	0	10	14	6	9	6	0	0	0	1	0	0	0	1	0
October	13.0	NW.	55	W.	3	7	1	1	2	12	12	10	17	0	13	10	8	14	11	0	0	0	1	0	0	0	2	0
November	13.6	NW.	48	NW.	5	1	3	2	2	1	7	10	34	0	17	7	6	4	3	2	1	0	1	4	0	19	0	0
December	15.4	NW.	58	NW.	5	13	0	3	0	2	6	11	27	0	11	9	11	9	4	12	6	0	0	15	0	29	0	0
Year	12.8	NW.	60	W.	41	82	33	39	57	80	116	115	207	1	112	130	123	129	98	51	30	0	13	45	5	127	24	1

PUEBLO, COLO.

[H=4,685 ft.; h_1=80 ft.; h_2=72 ft.; h_3=86 ft.]

January	8.7	NW.	39	NW.	0	5	3	11	6	1	2	16	18	0	20	8	3	3	2	7	3	0	0	5	0	25	0	0
February	8.2	W.	46	NW.	4	5	2	11	6	3	4	15	10	0	14	10	4	5	5	8	4	0	0	4	0	27	0	0
March	9.8	NW.	48	NW.	3	5	7	4	8	2	1	15	20	0	18	8	5	7	4	9	7	0	0	3	0	26	0	0
April	7.0	NW.	40	W.	2	5	8	8	12	0	3	9	15	0	13	8	9	10	5	6	5	0	0	0	0	15	1	0
May	7.0	SE.	38	NW.	0	6	5	11	17	0	4	4	15	0	9	13	9	13	8	2	2	1	0	0	0	4	9	0
June	6.4	NW.	31	W.	0	8	6	10	12	0	3	8	13	0	15	13	2	5	3	0	0	1	0	0	8	0	6	0
July	6.7	NW.	33	NW.	0	7	4	15	6	1	2	8	19	0	11	19	1	10	7	0	0	0	0	0	19	0	17	0
August	6.1	SE.	40	W.	1	14	7	6	10	3	1	6	15	0	14	11	6	9	6	0	0	0	0	0	9	0	10	0
September	5.3	SE.	42	NW.	1	15	2	14	9	2	1	3	13	1	18	7	5	9	7	0	0	0	0	0	4	0	9	0
October	6.7	SE.	34	NW.	0	7	10	13	13	1	1	10	7	0	15	9	7	4	4	3	2	0	0	1	0	14	1	0
November	5.0	NW.	25	W.	0	7	6	8	9	1	0	4	25	0	13	11	6	1	0	1	0	0	1	0	0	23	2	0
December	6.3	NW.	34	NW.	0	8	6	12	15	1	0	4	15	1	9	17	5	1	0	4	1	0	0	3	0	29	0	0
Year	6.9	NW.	48	NW.	11	92	66	123	123	15	22	102	185	2	169	134	62	77	51	40	24	2	1	16	40	163	55	0

RALEIGH, N. C.

[H=376 ft.; h_1=103 ft.; h_2=94 ft.; h_3=110 ft.]

January	8.1	SW.	36	NW.	0	3	10	6	1	2	18	11	10	1	6	8	17	15	10	2	0	0	3	1	0	9	0	0
February	9.6	SW.	48	W.	1	4	8	2	2	6	18	7	9	0	10	10	8	12	10	3	2	0	1	2	0	12	2	0
March	9.6	NW.	37	NW.	0	3	12	5	7	4	14	4	13	0	12	4	15	14	11	0	0	0	2	0	0	4	3	0
April	8.7	SW.	45	W.	2	5	12	8	6	5	12	9	3	0	12	13	5	9	7	0	0	0	1	1	0	2	0	0
May	8.8	NW.	38	W.	0	13	6	3	4	2	9	14	11	0	15	6	10	9	7	0	0	0	0	0	0	3	0	0
June	6.5	SW.	53	W.	2	6	4	1	6	10	25	7	1	0	11	14	5	12	9	0	0	0	1	0	0	6	0	0
July	5.1	SW.	26	SW.	0	2	4	5	8	6	26	6	6	1	9	14	8	19	15	0	0	0	0	0	0	8	0	0
August	5.6	NE.	27	NW.	0	4	1	12	8	4	9	3	5	3	7	17	7	8	7	0	0	0	1	0	0	3	0	0
September	7.9	NE.	28	NE.	0	7	2	3	5	3	6	5	2	1	8	8	14	10	9	0	0	0	1	0	1	0	2	0
October	7.8	NE.	38	W.	0	9	17	2	4	7	9	5	7	2	17	11	3	6	4	0	0	0	1	0	0	1	3	0
November	6.9	N.	20	NW.	0	13	19	2	1	3	5	8	9	0	15	7	8	5	3	0	0	0	0	0	0	7	1	0
December	7.9	NE.	39	SW.	0	11	30	5	0	1	6	2	6	1	7	7	17	11	8	6	6	0	0	11	0	23	0	0
Year	7.7	NE.	53	W.	5	80	164	54	50	53	157	81	82	9	129	119	117	130	100	11	8	2	10	14	23	56	54	0

RAPID CITY, S. DAK.

[H=3,234 ft.; h_1=50 ft.; h_2=43 ft.; h_3=58 ft.]

January	8.8	W.	46	SW.	2	3	3	1	9	1	7	19	13	1	13	8	10	6	4	10	6	0	1	11	0	31	0	1
February	9.6	N.	48	N.	4	21	5	1	11	0	5	5	8	0	3	11	14	8	2	13	7	0	0	13	0	28	0	0
March	10.2	N.	60	N.	1	18	2	3	3	4	4	18	10	0	6	14	11	7	5	14	7	0	2	11	0	31	0	0
April	9.3	N.	39	NW.	0	18	6	3	9	3	2	8	11	0	5	8	17	16	14	10	8	1	3	0	0	22	1	0
May	8.2	SE.	33	SE.	0	9	7	2	9	12	4	12	7	0	5	11	15	13	12	1	1	1	1	0	0	6	6	0
June	9.0	W.	36	SW.	0	9	2	1	5	4	6	19	14	0	10	15	5	14	12	0	0	2	0	0	4	0	12	0
July	8.2	N.	44	W.	1	10	6	1	7	9	4	20	5	0	17	13	1	4	3	0	0	0	0	0	14	0	9	0
August	7.8	W.	38	NW.	0	11	2	3	10	4	5	19	8	0	15	13	3	7	6	0	0	1	0	0	4	0	9	0
September	7.7	W.	40	NW.	1	12	5	4	9	9	7	10	4	0	14	11	5	5	4	0	0	1	0	0	0	0	5	0
October	11.2	NW.	44	NW.	1	15	1	0	4	4	2	9	27	0	14	8	9	5	2	8	4	0	0	2	0	19	0	0
November	8.3	W.	37	N.	0	5	3	1	5	5	5	19	17	0	12	14	4	1	0	1	0	0	0	0	0	13	0	0
December	8.5	N.	48	N.	3	11	3	6	9	6	4	12	11	0	4	12	15	12	7	14	11	0	0	15	0	28	0	0
Year	8.9	W.	60	N.	13	147	45	26	90	61	55	170	135	1	118	138	109	98	71	71	44	6	7	52	22	178	42	1

Annual meteorological summary for the year ending December 31, 1917—Continued.

READING, PA.

[ϕ=40° 20′ N.; λ=75° 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	29.696	30.427	28.985	28.9	32.3	38.7	24.2	31.4	55	9	21	23	70	67	0.118	0.129	4.14	1.33	7.8	3.4	6.4
February	29.643	30.210	28.860	24.4	30.1	36.6	20.4	28.5	57	0	17	19	72	62	.109	.118	1.74	.58	6.9	4.3	6.5
March	29.738	30.190	29.190	35.6	40.5	46.8	31.6	39.2	70	16	28	29	73	65	.158	.160	4.63	1.04	6.3	4.3	6.0
April	29.624	30.107	28.900	45.5	52.7	60.3	41.4	50.8	82	27	33	37	63	58	.201	.238	2.12	1.03	6.3	5.0	5.7
May	29.510	29.881	29.200	52.3	56.9	64.7	47.3	56.0	85	36	38	39	61	55	.240	.252	3.01	1.69	5.9	6.4	7.1
June	29.668	29.970	29.400	67.3	72.1	80.0	60.7	70.4	88	50	59	58	75	64	.505	.501	3.26	.75	4.8	7.3	6.6
July	29.633	29.880	29.300	71.6	75.9	83.8	67.2	75.5	99	58	64	65	78	70	.603	.622	2.76	1.25	6.8	6.6	6.7
August	29.687	29.955	29.281	69.8	75.1	84.4	65.2	74.8	96	53	62	63	78	68	.574	.588	3.00	1.22	4.0	5.1	4.4
September	29.789	30.157	29.280	57.2	63.4	72.0	52.9	62.4	86	40	50	52	78	66	.376	.393	2.42	1.03	5.0	3.6	5.2
October	29.714	30.037	29.048	46.9	50.8	59.9	40.9	50.4	74	29	39	40	75	68	.249	.261	5.07	1.71	5.3	3.8	5.4
November	29.771	30.298	29.004	35.8	42.4	48.9	32.8	40.8	65	19	28	30	74	63	.158	.173	.85	.40	4.5	4.6	4.4
December	29.886	30.380	28.867	21.1	25.2	30.2	16.7	23.4	46	— 6	16	17	80	70	.098	.102	2.24	1.39	6.5	5.9	6.6
Year	29.697	30.427	28.860	46.4	51.4	58.9	41.8	50.3	99	— 6	38	39	73	65	.282	.295	35.24	1.71	5.8	5.0	5.9

RED BLUFF, CAL.

[ϕ=40° 10′ N.; λ=122° 15′ W.]

January	29.822	30.140	29.495	36.6	51.5	53.5	34.1	43.8	68	24	27	25	71	40	0.156	0.145	2.94	1.39	2.0	2.8	2.4
February	29.711	30.190	29.040	42.8	58.5	60.1	40.6	50.4	75	29	33	31	70	41	.191	.183	3.79	2.25	3.2	4.9	4.1
March	29.814	30.180	29.370	41.2	58.8	59.8	39.3	49.6	76	32	31	29	68	34	.177	.166	1.25	.50	2.4	4.3	3.5
April	29.642	30.020	29.274	48.5	67.0	68.1	47.1	57.6	83	32	39	35	72	34	.249	.216	91	.58	4.0	4.5	4.2
May	29.579	29.880	29.200	53.3	72.5	73.8	52.2	63.0	87	42	42	40	68	35	.270	.263	2.16	1.30	3.8	3.5	3.7
June	29.533	29.810	29.359	62.8	91.0	91.9	61.9	76.9	105	53	39	31	43	13	.244	.179	0	0	0.2	0.3	0.2
July	29.468	29.650	29.284	69.6	99.7	101.2	68.5	84.8	110	58	44	37	42	12	.304	.232	0	0	0.3	0.7	0.8
August	29.533	29.696	29.290	67.7	96.8	97.9	66.4	82.2	108	60	47	42	49	17	.331	.288	0	0	1.0	1.0	1.0
September	29.569	29.754	29.325	61.8	86.1	87.8	59.8	73.8	101	47	45	41	55	23	.299	.261	.80	.73	1.1	1.8	1.7
October	29.644	29.900	29.333	58.7	83.6	85.9	56.3	71.1	102	45	34	34	42	19	.202	.201	0	0	0.6	1.4	1.1
November	29.785	30.030	29.320	46.9	61.0	64.4	44.5	54.4	78	38	40	45	79	58	.256	.301	1.14	.41	3.4	4.6	4.4
December	29.821	30.030	29.410	43.5	56.4	59.2	41.4	50.3	72	32	38	40	84	60	.241	.263	1.17	.88	2.5	4.3	4.2
Year	29.664	30.190	29.040	52.8	73.6	75.3	51.0	63.2	110	24	38	36	62	32	.243	.225	14.16	2.25	2.0	2.8	2.6

RENO, NEV.

[ϕ=39° 32′ N.; λ=119° 49′ W.]

January	25.570	25.900	25.120	16.3	29.3	33.5	12.1	22.8	51	— 5	13	17	88	60	0.080	0.096	0.05	0.03	3.4	3.6	4.1
February	25.493	25.890	24.930	26.0	40.1	43.9	23.3	33.6	54	1	22	24	84	52	.116	.127	2.01	.86	5.2	5.2	5.2
March	25.516	25.910	25.020	27.3	43.0	47.8	23.2	35.5	66	13	20	19	73	39	.107	.102	.74	.39	3.1	5.8	4.1
April	25.414	25.720	25.040	36.2	53.9	58.0	33.2	45.6	76	20	26	25	65	35	.138	.137	.28	.13	4.4	6.4	4.8
May	25.385	25.620	25.130	40.6	57.9	62.4	38.7	50.6	74	27	31	28	70	35	.177	.162	1.18	.44	5.2	5.8	5.2
June	25.517	25.760	25.260	47.4	77.2	81.1	46.4	63.8	91	36	34	29	59	18	.196	.162	.06	.06	0.1	1.0	0.5
July	25.490	25.680	25.310	57.0	85.9	91.9	56.0	74.0	101	47	41	38	56	20	.265	.240	.04	.04	0.1	3.4	1.6
August	25.529	25.670	25.354	56.4	84.1	89.3	54.6	72.0	97	49	40	38	56	22	.255	.232	.12	.11	1.8	4.2	2.7
September	25.511	25.650	25.323	47.9	74.6	79.7	45.5	62.6	90	34	34	33	60	23	.200	.189	T.	T.	0.6	2.1	1.4
October	25.603	25.820	25.322	40.4	69.7	74.5	37.5	56.0	87	23	25	26	54	19	.141	.142	T.	T.	1.0	2.3	1.4
November	25.611	25.930	25.150	34.8	52.1	58.2	30.9	44.6	72	22	27	30	73	44	.148	.164	.68	.44	3.5	4.2	3.9
December	25.605	28.820	25.220	31.1	47.8	55.1	27.2	41.2	67	20	24	26	73	42	.127	.141	.27	.32	3.4	4.2	3.7
Year	25.520	25.930	24.930	38.4	59.6	64.6	35.7	50.2	101	— 5	28	28	68	34	.162	.158	5.43	.86	2.6	4.0	3.2

RICHMOND, VA.

[ϕ=37 32′ N.; λ=77 ° 27′ W.]

January	29.914	30.630	29.270	34.6	41.1	49.3	30.4	39.8	65	16	30	34	82	76	0.175	0.203	2.98	0.62	5.8	5.6	6.5
February	29.883	30.465	29.100	32.0	39.5	47.8	27.5	37.6	75	4	25	26	75	59	.166	.164	2.28	.75	4.7	4.9	6.1
March	29.960	30.365	29.430	41.2	48.4	56.3	37.0	46.6	80	26	36	37	82	68	.225	.232	5.97	1.52	5.8	4.2	5.0
April	29.832	30.338	29.110	50.9	58.8	68.5	46.2	57.4	90	31	40	43	69	56	.269	.299	2.56	.92	5.5	4.1	5.2
May	29.731	30.080	29.320	57.7	63.4	72.1	50.3	61.2	91	41	46	48	67	60	.327	.348	4.59	1.38	4.0	6.2	5.4
June	29.895	30.200	29.630	69.6	72.7	83.9	63.2	73.6	94	52	63	63	81	73	.591	.585	5.31	1.68	5.4	6.0	5.8
July	29.852	30.066	29.480	73.1	75.5	85.7	68.0	76.8	96	62	66	69	85	82	.692	.713	6.28	1.96	6.2	7.3	6.9
August	29.879	30.180	29.460	71.2	76.1	85.2	66.3	75.8	95	56	66	67	84	74	.644	.668	2.74	.80	4.6	4.3	4.6
September	29.968	30.230	29.530	61.4	65.0	73.9	56.6	65.2	89	42	57	58	85	79	.477	.497	4.62	2.00	5.2	5.3	5.7
October	29.924	30.240	29.310	48.1	55.0	66.8	42.9	54.8	83	28	43	46	84	72	.295	.329	3.78	.80	3.5	3.0	4.1
November	29.990	30.535	29.190	37.1	45.4	54.8	33.9	44.4	73	21	31	34	78	66	.176	.205	.44	.32	3.2	4.1	4.7
December	30.098	30.550	29.150	25.8	30.3	37.6	22.5	30.0	59	— 2	20	21	77	68	.117	.121	1.72	.64	7.3	5.1	6.4
Year	29.910	30.630	29.100	50.2	55.9	65.2	45.4	55.3	96	— 2	44	46	79	70	.346	.364	43.27	2.00	5.1	4.9	5.5

Annual meteorological summary for the year ending December 31, 1917—Continued.

READING, PA.

[H=325 ft.; h_1=81 ft.; h_2=73 ft.; h_3=98 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	7.6	NW.	37	SE.	0	4	0	0	13	6	11	8	20	0	7	9	15	14	11	9	7	0	3	8	0	25	0	0
February	9.0	NW.	34	NW.	0	9	1	1	9	6	7	9	14	0	8	6	14	11	7	10	4	0	1	10	0	24	0	0
March	8.7	NW.	31	W.	0	6	1	6	14	4	2	14	15	0	10	9	12	15	12	9	6	0	1	0	0	14	1	0
April	8.9	NW.	48	E.	1	10	7	3	8	9	2	4	17	0	8	11	11	11	10	2	2	0	0	0	0	4	3	0
May	8.6	NW.	30	E.	0	10	4	4	11	5	7	5	16	0	4	8	19	10	6	0	0	1	0	0	0	0	2	0
June	6.0	S.	27	N.	0	7	1	2	12	15	5	6	11	1	5	11	14	14	13	0	0	1	1	0	0	0	12	0
July	5.7	S.	32	N.	0	4	2	3	15	15	10	9	3	1	5	9	17	11	9	0	0	1	0	0	4	0	7	0
August	5.6	S.	30	NW.	0	8	1	3	12	16	7	7	8	0	14	9	8	9	7	0	0	0	0	0	3	0	11	0
September	5.0	N.	24	NW.	0	18	4	5	5	8	7	6	5	2	10	9	11	8	6	0	0	0	2	0	0	0	1	0
October	7.5	NW.	32	NE.	0	12	2	2	16	7	7	7	9	0	12	8	11	9	8	1	0	1	1	0	0	3	1	0
November	6.8	NW.	27	N.	0	13	1	0	9	5	3	7	22	0	14	7	9	6	4	3	2	0	0	2	0	12	0	0
December	7.3	N.	40	E.	1	20	4	3	4	7	2	12	10	0	7	7	17	12	6	14	9	0	2	16	0	30	0	0
Year	7.2	NW.	48	E.	2	121	28	32	128	103	70	94	150	4	104	103	158	130	99	48	30	4	11	36	7	112	38	0

RED BLUFF, CAL.

[H=332 ft.; h_1=50 ft.; h_2=40 ft.; h_3=56 ft.]

January	7.1	NW.	31	NW.	0	11	2	1	8	3	0	3	32	2	23	2	6	5	5	0	0	0	3	0	0	10	0	0
February	8.6	NW.	28	SE.	0	5	1	1	15	4	0	0	30	0	13	6	9	8	5	0	0	0	0	0	0	2	1	0
March	6.6	NW.	27	NW.	0	4	0	1	12	5	2	8	29	1	17	9	5	6	4	0	0	1	0	0	0	2	3	0
April	6.6	SE.	27	NW.	0	5	2	0	23	6	4	3	16	1	17	5	8	5	4	0	0	0	0	0	0	0	0	0
May	6.2	SE.	26	NW.	0	10	1	0	24	3	3	2	18	1	17	10	4	7	3	0	0	2	0	0	0	0	2	0
June	6.4	NW.	26	NW.	0	4	1	1	15	1	4	4	26	4	30	0	0	0	0	0	0	0	0	0	17	0	0	0
July	4.2	SE.	15	SE.	0	3	0	3	30	1	2	4	12	7	27	4	0	0	0	0	0	0	0	0	31	0	0	0
August	3.9	SE.	20	N.	0	6	1	0	30	4	2	4	8	7	27	3	1	0	0	0	0	0	0	0	36	0	0	0
September	5.1	SE.	31	NW.	0	2	1	1	22	5	1	5	20	3	25	3	2	2	2	0	0	0	0	0	13	0	0	0
October	5.6	NW.	31	N.	0	11	0	1	12	1	0	3	30	4	27	4	0	0	0	0	0	0	0	0	10	0	0	0
November	4.5	NW.	25	SE.	0	10	2	1	15	2	4	2	21	2	15	5	10	6	5	0	0	0	0	0	0	0	0	0
December	4.1	NW.	26	NW.	0	14	2	2	10	4	3	2	21	4	17	5	9	3	3	0	0	0	8	0	0	1	0	0
Year	5.7	NW.	31	NW.	0	85	13	12	216	40	25	40	263	36	255	56	54	42	31	0	0	3	11	0	101	15	6	0

RENO, NEV.

[H=4,532 ft.; h_1=74 ft.; h_2=67 ft.; h_3=81 ft.]

January	4.8	SE.	43	W.	3	5	6	6	14	7	5	13	4	2	14	11	6	3	0	8	2	0	2	14	0	29	0	0
February	7.4	W.	57	W.	4	4	5	3	9	4	6	22	3	0	10	7	11	8	7	12	5	0	3	3	0	24	0	0
March	7.4	W.	48	SW.	2	12	2	1	5	7	8	23	4	0	15	10	6	7	4	9	7	0	0	0	0	28	0	0
April	9.1	W.	53	SW.	1	4	2	0	1	3	7	32	11	0	11	12	7	3	3	6	2	0	0	0	0	13	0	0
May	8.1	W.	32	SW.	0	12	4	2	2	6	4	21	11	0	10	10	11	9	6	1	0	1	0	0	0	2	3	0
June	7.8	W.	36	W.	0	4	1	2	2	2	7	37	5	0	29	1	0	1	1	0	0	0	0	0	4	0	2	0
July	7.1	W.	33	S.	0	0	1	2	2	5	6	43	2	1	25	4	2	1	1	0	0	0	0	0	21	0	5	0
August	5.6	W.	38	W.	0	1	4	3	3	4	9	37	1	0	21	6	4	2	1	0	0	0	0	0	16	0	4	1
September	6.7	W.	35	W.	0	2	3	3	2	4	7	34	4	1	25	4	1	0	0	0	0	0	0	0	1	0	1	0
October	4.4	W.	21	SW.	0	4	6	11	4	3	4	27	3	0	27	4	0	0	0	0	0	0	0	0	0	7	0	0
November	5.0	W.	45	W.	1	5	7	2	3	3	8	27	4	1	15	6	9	5	3	0	0	0	0	0	0	17	0	0
December	4.4	W.	48	W.	1	3	0	1	3	8	9	28	9	1	17	9	5	2	2	1	0	0	0	0	0	27	0	0
Year	6.5	W.	57	W.	12	56	41	36	50	56	80	344	61	6	219	84	62	41	28	37	16	1	5	17	42	147	15	1

RICHMOND, VA.

[H=144 ft.; h_1=11 ft.; h_2=3 ft.; h_3=52 ft.]

January	7.8	SW.	31	SW.	0	5	12	2	9	11	18	0	5	0	7	8	16	14	11	3	1	0	4	3	0	17	0	0
February	10.3	SW.	46	NW.	1	3	9	2	4	11	19	2	6	0	6	9	13	12	10	4	2	0	2	4	0	15	2	0
March	10.0	NE.	39	NW.	0	3	14	3	8	13	10	3	8	0	12	8	11	16	14	2	1	0	0	0	0	5	0	0
April	9.2	SE.	40	SW.	1	6	12	6	15	7	7	1	6	0	10	10	10	11	9	2	2	0	1	0	0	2	3	0
May	9.0	SW.	38	NW.	0	3	10	2	7	8	16	3	13	0	11	10	10	10	9	0	0	1	0	0	1	0	6	0
June	6.9	S.	60	NW.	1	6	5	0	12	21	13	0	2	1	5	14	11	15	12	0	0	1	1	0	3	0	15	0
July	6.6	S.	41	NW.	2	1	11	2	10	17	16	0	5	0	5	7	19	17	15	0	0	0	2	0	5	0	13	0
August	5.5	SE.	29	NW.	0	3	11	5	20	8	9	0	5	1	14	9	8	9	8	0	0	0	1	0	4	0	5	0
September	6.9	NE.	33	NW.	0	13	19	2	7	5	9	0	4	1	9	8	13	12	10	0	0	0	1	0	0	0	4	0
October	8.1	S.	52	NW.	2	6	11	2	13	13	9	2	6	0	14	11	6	10	6	0	0	1	2	0	0	1	3	0
November	6.1	SW.	21	NW.	0	10	11	3	8	2	14	3	9	0	13	7	10	4	2	1	0	0	4	0	0	14	0	0
December	8.8	NW.	36	E.	0	12	13	2	3	8	6	5	13	0	7	8	16	8	7	10	7	0	0	13	0	28	0	0
Year	7.9	SW.	60	NW.	7	71	138	31	116	124	146	19	82	3	113	109	143	138	113	22	13	3	18	20	13	82	51	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

ROCHESTER, N.Y.

[ϕ=43° 8′ N.; λ=77° 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	29.400	30.240	28.630	23.6	24.5	31.4	17.7	24.6	47	3	17	18	77	73	0.101	0.101	3.04	0.61	8.9	6.5	7.5
February	29.370	30.003	28.730	16.5	19.9	26.5	11.0	18.8	50	−8	11	14	78	76	.077	.088	1.67	.30	8.4	6.3	7.4
March	29.444	29.947	28.810	31.7	34.3	41.1	26.9	34.0	70	9	23	24	70	66	.130	.135	2.96	1.21	6.6	6.1	6.9
April	29.413	29.885	28.730	40.3	42.6	50.4	35.2	42.8	75	24	32	32	72	68	.197	.193	2.80	1.26	6.5	6.6	6.3
May	29.299	29.660	28.790	46.1	50.1	57.3	41.1	49.2	84	34	36	38	71	65	.222	.237	3.16	.92	6.7	6.2	6.6
June	29.437	29.768	29.132	60.0	63.0	72.0	53.6	62.8	89	47	52	53	76	72	.394	.413	6.40	1.77	5.9	6.2	6.6
July	29.385	29.627	29.080	69.0	72.4	80.2	63.2	71.7	93	52	61	62	76	70	.550	.563	4.23	1.43	4.1	4.5	5.3
August	29.451	29.756	29.000	65.6	69.4	77.8	60.3	69.0	94	48	58	57	76	66	.490	.469	2.51	.87	5.4	5.4	5.2
September	29.566	29.900	29.030	55.0	59.8	68.9	50.4	59.6	81	40	48	49	79	67	.333	.352	1.52	.57	4.8	4.0	4.6
October	29.436	29.800	28.750	42.7	45.8	53.1	38.4	45.8	71	29	37	37	80	72	.225	.229	4.99	1.30	8.0	7.0	8.0
November	29.555	30.130	28.743	32.0	34.8	40.8	28.7	34.8	54	11	27	29	80	79	.148	.162	1.14	.40	7.9	5.3	6.9
December	29.628	30.140	28.490	18.4	20.3	26.7	14.3	20.5	45	−8	14	15	82	78	.089	.093	2.47	.76	8.3	8.1	7.8
Year	29.449	30.240	28.490	41.7	44.7	52.2	36.7	44.5	94	−8	35	36	76	71	.246	.253	36.89	1.77	6.8	6.0	6.6

ROSEBURG, OREG.

[ϕ=43° 13′ N.; λ=123° 20′ W.]

January	29.701	30.030	29.206	34.3	42.6	44.3	31.7	38.0	55	16	32	34	92	74	0.186	0.203	2.25	0.76	6.1	5.8	6.3
February	29.567	30.000	28.904	36.7	46.5	48.7	33.8	41.2	63	22	35	37	94	70	.210	.221	4.90	1.29	7.6	6.6	6.8
March	29.671	29.960	29.142	36.2	48.2	50.9	34.2	42.6	65	26	34	35	90	63	.194	.209	3.74	.83	7.4	6.9	6.5
April	29.510	29.830	29.158	42.4	56.7	59.4	40.6	50.0	76	33	39	39	88	53	.241	.241	3.37	.67	7.7	6.7	6.3
May	29.521	29.780	29.170	45.9	61.5	64.0	45.0	54.5	78	34	43	43	88	53	.274	.278	2.75	.86	8.3	5.9	6.0
June	29.584	29.800	29.360	47.8	75.3	77.3	46.9	62.1	94	37	44	44	88	34	.291	.291	.26	.18	3.3	1.9	2.2
July	29.446	29.640	29.234	55.6	86.4	87.7	54.8	71.2	100	48	50	48	82	28	.360	.349	.01	.01	1.6	0.5	0.6
August	29.481	29.712	29.226	54.6	84.9	85.7	53.2	69.4	93	48	50	52	86	35	.366	.405	T.	T.	1.7	0.7	1.1
September	29.490	29.770	29.250	52.3	73.4	76.0	51.0	63.5	93	44	50	50	90	46	.356	.374	.73	.35	4.7	3.7	4.0
October	29.626	29.890	29.355	42.1	66.8	69.6	40.2	54.9	88	28	40	43	91	44	.249	.290	.02	.02	1.7	1.6	2.1
November	29.585	29.940	29.010	43.0	53.9	57.6	40.4	49.0	71	35	41	44	95	72	.263	.294	6.27	3.22	5.2	5.0	5.1
December	29.626	29.990	29.160	45.4	51.1	54.0	42.7	48.4	67	29	42	45	90	80	.278	.305	3.71	1.09	7.3	6.9	7.1
Year	29.567	30.030	28.904	44.7	62.3	64.6	42.9	53.7	100	16	42	43	90	54	.272	.288	28.01	3.22	5.2	4.4	4.5

ROSWELL, N. MEX.

[ϕ=33° 24′ N.; λ=104° 27′ W.]

January	26.382	26.750	25.960	30.1	45.8	52.4	25.5	39.0	73	17	20	21	67	40	0.105	0.115	0.19	0.15	4.5	3.1	3.9
February	26.398	26.850	25.980	31.4	54.4	59.8	28.2	44.0	83	9	14	17	50	24	.085	.093	.26	.18	2.5	2.2	3.4
March	26.324	26.780	25.970	35.0	62.3	65.6	31.5	48.6	84	19	12	8	41	15	.076	.064	.29	.29	1.9	1.2	1.5
April	26.258	26.640	25.860	42.3	71.3	73.9	40.7	57.3	87	28	20	17	43	14	.113	.100	.00	.00	0.7	1.7	1.5
May	26.253	26.620	25.943	50.5	73.4	76.2	48.3	62.2	89	28	29	25	48	24	.172	.160	.97	.39	3.3	3.1	3.3
June	26.357	26.820	26.050	60.4	89.2	91.2	58.4	74.8	102	45	35	31	41	14	.218	.190	T.	T.	1.0	1.6	1.2
July	26.338	26.520	26.190	68.0	90.8	94.3	66.6	80.4	102	62	49	48	53	25	.360	.347	.07	.06	2.3	4.1	2.6
August	26.390	26.580	26.149	65.0	85.5	89.4	63.8	76.6	100	54	59	56	82	40	.503	.462	3.25	1.02	5.0	4.5	3.9
September	26.421	26.660	26.198	59.2	77.8	83.5	57.6	70.6	96	41	53	51	82	45	.422	.396	1.11	.62	3.9	3.4	3.5
October	26.416	26.880	25.990	43.7	68.8	75.6	40.6	58.1	90	19	28	29	57	23	.164	.163	.01	.01	1.8	0.8	1.2
November	26.519	26.790	26.300	37.6	60.7	68.4	34.5	51.4	80	24	24	22	59	23	.136	.121	.06	.05	2.8	1.9	2.7
December	26.428	26.771	26.020	28.4	51.9	60.5	23.9	42.2	73	6	15	14	55	21	.083	.079	0	0	1.5	0.8	1.3
Year	26.374	26.880	25.860	46.0	69.3	74.2	43.3	58.8	102	6	30	28	56	26	.203	.191	6.21	1.02	2.6	2.4	2.5

SACRAMENTO, CAL.

[ϕ=38° 35′ N.; λ=124° 30′ W.]

January	30.106	30.400	29.750	36.4	49.8	50.9	34.0	42.4	62	26	33	34	88	60	0.195	0.211	1.30	1.15	2.3	2.9	4.2
February	30.030	30.460	29.476	43.5	58.3	59.7	40.4	50.0	73	28	40	42	88	59	.253	.271	4.97	1.99	4.5	3.9	4.1
March	30.111	30.460	29.724	42.7	59.9	61.1	40.4	50.8	77	34	38	36	84	45	.233	.223	.70	.48	1.6	2.3	2.3
April	29.946	30.290	29.600	48.4	67.8	69.1	46.5	57.8	83	36	43	40	84	38	.286	.257	.62	.42	2.8	2.5	2.8
May	29.881	30.180	29.551	48.9	69.9	72.0	47.5	59.8	85	42	46	42	89	36	.306	.274	.12	.07	3.8	1.8	2.5
June	29.867	30.080	29.620	56.8	88.1	89.6	55.7	72.6	105	46	51	46	82	26	.374	.335	0	0	0.1	0.4	0.1
July	29.759	29.940	29.610	62.8	94.1	96.0	61.1	78.6	107	52	53	50	73	24	.399	.374	T.	T.	0.7	0.6	0.8
August	29.834	30.010	29.664	56.8	87.8	89.6	55.5	72.6	99	50	54	54	90	33	.413	.420	T.	T.	1.0	0.5	0.8
September	29.861	30.040	29.635	58.9	84.3	86.1	56.7	71.4	102	47	52	48	80	32	.387	.345	.51	.51	0.2	1.2	1.3
October	29.919	30.150	29.638	54.4	81.0	83.9	52.2	68.0	99	40	44	40	71	26	.304	.273	T.	T.	0.8	0.9	1.0
November	30.087	30.330	29.834	46.7	64.4	66.6	43.9	55.2	80	36	42	44	85	50	.270	.292	.25	.13	2.5	3.2	3.5
December	30.117	30.310	29.870	43.9	55.5	57.4	40.9	49.2	68	32	40	42	89	65	.257	.279	.45	.41	3.4	3.1	5.2
Year	29.960	30.460	29.476	50.0	71.7	73.5	47.9	60.7	107	26	45	43	84	41	.306	.296	8.92	1.99	2.0	1.9	2.4

Annual meteorological summary for the year ending December 31, 1917—Continued.

ROCHESTER, N. Y.

[H=523 ft.; h_t=86 ft.; h_r=77 ft.; h_a=102 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	11.8	SW.	48	W.	1	1	1	3	5	13	21	15	3	0	4	8	19	17	11	20	15	0	0	16	0	28	0	0
February	12.3	SW.	40	W.	1	3	0	0	5	3	21	18	6	0	4	7	17	17	11	20	15	0	0	16	0	27	0	0
March	11.7	W.	40	SW.	1	2	7	1	8	9	13	16	6	0	7	6	18	19	13	15	12	0	0	8	0	24	3	0
April	9.9	W.	36	W.	0	1	3	8	5	4	9	19	11	0	9	7	14	9	8	10	3	0	0	1	0	12	1	0
May	9.9	W.	38	NW.	0	5	9	6	5	4	5	18	9	1	5	12	14	17	11	1	0	1	0	0	0	0	3	0
June	8.0	SW.	37	SW.	0	1	10	3	2	7	14	15	8	0	5	9	16	19	16	0	0	1	1	0	0	0	9	0
July	7.0	SW.	32	SW.	0	1	3	4	7	9	25	10	3	0	11	12	8	11	10	0	0	0	0	0	3	0	13	0
August	6.8	SW.	24	SW.	0	1	4	4	5	10	18	16	3	1	11	11	9	9	9	0	0	0	0	0	1	0	4	0
September	7.0	SW.	24	W.	0	2	4	6	3	8	21	12	4	0	11	13	6	10	6	0	0	0	2	0	0	0	4	0
October	9.0	SW.	38	SW.	0	1	2	5	7	14	19	10	4	0	3	6	22	18	13	5	1	0	0	0	0	1	0	0
November	8.3	W.	26	W.	0	5	2	1	4	7	15	20	6	0	6	6	18	12	7	11	7	0	2	6	0	20	0	0
December	9.1	W.	42	SW.	1	1	2	4	7	15	10	17	6	0	3	7	21	17	11	22	15	0	0	23	0	30	0	0
Year	9.2	SW.	48	W.	4	24	47	45	63	103	191	186	69	2	79	104	182	175	126	104	68	2	5	70	4	142	37	0

ROSEBURG, OREG.

[H=510 ft.; h_t=9 ft.; h_r=4 ft.; h_a=57 ft.]

January	2.4	S.	21	SW.	0	4	4	4	7	16	8	9	9	1	4	15	12	15	10	1	1	0	8	0	0	13	0	0
February	2.3	S.	23	SW.	0	4	7	3	5	15	2	4	13	3	1	18	9	15	13	9	8	0	5	0	0	12	0	0
March	3.6	S.	22	W.	0	2	7	3	9	15	11	7	7	1	3	16	12	20	17	5	3	0	2	0	0	12	0	0
April	3.8	NW.	20	SW.	0	10	2	2	2	12	11	5	15	1	1	22	7	21	18	1	1	1	1	0	0	0	0	0
May	3.5	NW.	15	W.	0	17	5	4	2	1	4	12	16	1	3	19	9	13	11	0	0	0	1	0	0	0	1	0
June	3.7	N.	26	SW.	0	27	4	4	2	3	3	4	12	1	20	10	0	3	3	0	0	0	0	0	2	0	0	0
July	3.9	N.	16	NW.	0	29	2	5	2	0	1	0	17	6	30	1	0	1	0	0	0	0	0	0	0	0	0	0
August	2.5	N.	18	NW.	0	20	3	2	2	3	1	6	12	13	27	4	0	0	0	0	0	0	1	0	0	0	0	0
September	2.3	N.	14	N.	0	15	1	5	3	5	2	4	13	12	15	11	4	6	3	0	0	0	3	0	1	0	0	0
October	1.7	NW.	14	N.	0	11	7	5	2	8	4	7	12	6	20	11	0	1	0	0	0	0	7	0	0	5	0	0
November	2 2	NW.	17	SW.	0	5	7	8	4	11	3	4	16	2	8	14	8	11	9	0	0	0	14	0	0	0	0	0
December	2.3	S.	16	S.	0	2	4	3	15	22	2	4	9	1	0	17	14	14	12	0	0	0	5	0	0	2	0	0
Year	2.8	NW.	26	SW.	0	146	53	48	55	111	52	66	151	48	132	158	75	120	96	16	13	1	47	0	25	44	1	0

ROSWELL, N. MEX.

[H=3,566 ft.; h_t=75 ft.; h_r=69 ft.; h_a=85 ft.]

January	7.4	NW.	37	NW.	0	8	6	4	12	8	6	6	10	2	17	7	7	3	1	4	3	0	0	4	0	25	0	0
February	8.2	SW.	42	SW.	1	6	10	5	5	7	7	11	5	0	15	13	0	3	2	2	2	0	0	0	0	20	1	0
March	10.9	S.	46	SW.	3	9	8	2	3	18	10	7	5	0	27	2	2	1	1	2	1	0	0	0	0	15	0	0
April	10.4	S.	42	NW.	3	3	6	3	4	15	13	5	11	0	22	8	0	0	0	0	0	0	0	0	0	4	0	0
May	10.6	S.	46	SW.	3	5	6	3	7	8	8	14	8	3	17	10	4	7	4	1	1	0	0	0	0	1	2	0
June	8.4	S.	40	NE.	1	2	4	6	11	14	7	6	9	1	26	4	0	0	0	0	0	0	0	0	0	21	0	2
July	8.4	S.	33	NE.	0	4	3	5	14	20	9	2	4	1	18	12	1	3	0	0	0	0	0	0	0	31	0	7
August	6.9	S.	40	NE.	1	7	4	5	3	17	8	4	13	1	13	17	1	10	8	0	0	0	0	0	0	16	0	9
September	6.4	S.	30	NE.	0	4	5	7	9	16	3	2	10	4	14	11	5	6	3	0	0	1	1	0	0	7	0	5
October	7.6	S.	33	NW.	0	8	6	5	4	19	5	4	10	1	27	4	0	1	0	0	0	0	0	0	0	7	1	0
November	6.0	S.	34	NW.	0	11	6	2	6	19	0	2	13	1	17	13	0	2	1	0	0	0	0	0	0	11	3	0
December	6.7	S.	44	NW.	1	6	12	4	2	20	3	3	9	3	27	4	0	0	0	0	0	0	0	0	0	26	0	0
Year	8 2	S.	46	SW.	13	73	76	51	80	181	79	66	107	17	240	105	20	36	20	9	7	2	1	4	75	109	30	0

SACRAMENTO, CAL.

[H=69 ft.; h_t=106 ft.; h_r=100 ft.; h_a=117 ft.]

January	8.3	SE.	28	NW.	0	9	3	2	19	7	2	0	19	1	17	4	10	4	2	0	0	0	7	0	0	13	0	0
February	10.0	SE.	49	S.	3	8	3	2	20	10	1	1	10	1	15	4	9	9	7	0	0	0	0	0	0	1	0	0
March	8.6	NW.	32	NW.	0	7	1	4	8	11	9	2	20	0	23	6	2	4	3	0	0	2	0	0	0	0	0	0
April	8.6	S.	32	NW.	0	3	0	2	15	14	11	2	13	0	20	7	3	4	3	0	0	0	0	0	0	0	0	0
May	9.8	S.	37	NW.	0	2	1	0	18	23	9	1	8	0	20	10	1	3	2	0	0	0	0	0	0	0	0	0
June	8.3	S.	29	S.	0	1	0	2	18	20	4	5	10	0	30	0	0	0	0	0	0	0	0	0	14	0	0	0
July	8.0	S.	20	S.	0	1	1	0	18	32	2	1	5	2	28	3	0	0	0	0	0	0	0	0	0	0	0	0
August	8.1	S.	22	S.	0	0	0	0	23	38	0	0	1	0	28	3	0	0	0	0	0	0	0	0	16	0	0	0
September	7.2	S.	24	NW.	0	2	0	2	22	16	2	3	10	3	26	3	1	2	1	0	0	0	1	0	0	10	0	0
October	5.7	SE.	30	NW.	0	7	4	4	14	12	1	1	14	5	30	1	0	0	0	0	0	0	0	0	7	0	0	0
November	5.2	N.	24	S.	0	15	5	4	9	12	1	2	8	4	16	9	5	4	3	0	0	0	0	0	0	0	0	0
December	4.8	N.	25	SE.	0	13	4	7	18	3	1	3	10	3	14	2	15	2	2	0	0	0	9	0	0	0	0	0
Year	7.7	SE.	49	S.	3	68	22	29	202	198	43	21	128	19	267	52	46	32	23	0	0	2	20	0	72	14	0	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

SAGINAW, MICH.

[ϕ=43° 26′ N.; λ=83° 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	29.266	30.130	28.480	17.4	21.3	27.7	11.9	19.8	42	− 8	16	18	95	89	0.099	0.104	1.01	0.38	6.8	6.6	7.4
February	29.281	29.990	28.653	11.2	15.6	23.4	5.2	14.3	44	−19	10	12	94	86	.074	.079	.46	.11	7.7	5.4	7.3
March	29.270	29.780	28.510	29.5	35.1	41.9	25.7	33.8	66	8	26	28	87	74	.144	.160	1.43	.72	7.7	6.9	7.5
April	29.300	29.670	28.690	37.6	43.7	49.4	33.5	41.4	76	21	32	35	80	72	.187	.219	3.29	1.47	9.8	8.1	7.7
May	29.212	29.510	28.520	45.9	52.3	59.0	41.0	50.0	80	32	38	39	75	63	.237	.246	3.97	2.25	6.7	6.8	7.9
June	29.283	29.592	28.890	58.2	66.2	72.1	51.7	61.9	86	42	51	53	78	63	.385	.404	4.93	2.24	6.5	5.7	6.7
July	29.239	29.490	28.940	66.9	73.7	80.7	62.0	71.4	98	49	61	62	82	68	.553	.574	2.04	.93	5.2	6.2	6.4
August	29.306	29.553	28.809	62.4	69.0	78.3	56.5	67.4	92	46	55	58	78	70	.449	.494	1.98	.48	5.8	6.4	7.0
September	29.440	29.780	28.950	52.0	60.6	69.7	47.8	58.8	82	35	48	51	87	71	.343	.378	.84	.34	4.2	3.4	5.1
October	29.280	29.620	28.640	38.6	43.2	49.3	34.9	42.1	70	26	34	36	84	76	.201	.215	3.46	.78	8.3	6.5	8.4
November	29.461	29.980	28.440	30.2	36.4	44.4	26.9	35.6	65	11	27	30	88	78	.151	.172	1.04	.59	5.9	4.6	6.3
December	29.498	29.990	28.700	16.2	20.2	26.0	12.2	19.1	44	− 7	14	16	89	83	.090	.097	.90	.36	7.6	6.7	7.9
Year	29.320	30.130	28.440	38.8	44.8	51.8	34.1	43.0	98	−19	34	36	85	74	.243	.262	25.35	2.25	6.8	6.1	7.1

ST. JOSEPH, MO.

[ϕ=39° 49′ N.; λ=94° 51′ W.]

January	29.004	29.790	28.206	23.5	30.5	38.4	18.4	28.4	63	− 8	19	20	82	63	0.110	0.113	0.38	0.30	3.5	3.4	4.3
February	29.073	29.690	28.390	18.7	30.4	39.0	15.1	27.0	70	−16	13	14	76	49	.083	.089	.02	.02	5.7	4.3	4.1
March	28.954	29.550	28.350	34.3	47.8	54.1	31.0	42.6	82	7	25	25	69	43	.143	.149	1.48	1.03	5.1	3.9	4.5
April	28.909	29.210	28.550	44.0	54.2	59.9	41.5	50.7	85	29	36	37	74	57	.225	.236	4.77	1.13	5.8	4.9	5.6
May	28.907	29.310	28.430	51.6	63.3	68.1	48.5	58.3	90	35	44	44	77	54	.303	.309	3.22	.94	3.1	3.4	3.7
June	28.927	29.330	28.440	64.3	77.1	82.6	61.3	72.0	101	49	57	57	78	54	.479	.488	6.21	2.66	3.5	2.8	3.1
July	28.906	29.120	28.660	70.8	86.3	91.2	68.2	79.7	103	56	63	60	78	43	.586	.534	1.04	.62	2.4	1.5	2.2
August	28.983	29.200	28.777	64.7	77.2	83.2	62.4	72.8	98	51	60	60	84	57	.522	.528	5.08	2.36	3.6	3.3	3.6
September	29.043	29.420	28.800	59.3	70.9	77.8	57.7	67.8	91	44	54	57	84	63	.434	.487	1.60	.53	4.2	2.2	3.4
October	28.993	29.490	28.470	41.9	51.2	59.1	37.6	48.4	81	20	31	31	66	47	.187	.186	.80	.47	3.9	4.2	4.6
November	29.144	29.440	28.720	39.2	49.4	56.1	36.7	46.4	75	17	30	33	73	56	.173	.190	.04	.02	4.2	3.5	4.8
December	29.186	29.850	28.660	17.8	23.8	30.4	13.3	21.8	62	−13	14	16	84	73	.099	.106	.16	.12	5.5	5.5	6.4
Year	29.002	29.850	28.206	44.2	55.2	61.7	41.0	51.3	103	−16	37	38	77	55	.279	.285	24.80	2.66	4.2	3.6	4.2

ST. LOUIS, MO.

[ϕ=38° 38′ N.; λ=90° 12′ W.]

January	29.440	30.190	28.710	30.0	37.2	43.7	25.9	34.8	65	11	25	28	80	69	0.145	0.166	1.72	0.93	3.9	4.8	5.3
February	29.486	30.050	28.880	26.0	33.4	41.1	19.6	30.4	68	−10	20	22	75	64	.122	.130	.35	.28	6.2	2.8	6.2
March	29.420	29.890	28.940	40.1	49.3	55.8	37.3	46.6	80	14	32	36	73	62	.196	.227	1.80	.99	4.9	5.2	5.5
April	29.350	29.670	28.940	47.7	56.0	62.8	44.6	53.7	84	30	41	46	78	72	.270	.332	4.64	2.09	5.2	6.0	5.7
May	29.327	29.651	28.780	55.6	63.9	69.2	52.1	60.6	90	38	48	50	76	64	.344	.379	3.78	1.31	4.0	4.5	5.4
June	29.388	29.700	29.030	68.4	77.3	82.2	64.4	73.3	94	49	59	60	72	56	.507	.529	.62	.29	4.1	3.6	4.6
July	29.349	29.510	29.030	73.2	82.5	88.1	69.7	78.9	96	62	65	65	76	58	.627	.635	3.17	1.20	3.5	4.1	4.5
August	29.405	29.590	29.148	69.5	77.5	83.4	67.2	75.3	94	58	61	63	76	63	.552	.584	1.99	.70	4.5	4.8	5.2
September	29.480	29.800	29.238	62.0	72.0	78.0	60.0	69.0	91	43	56	58	80	64	.454	.510	3.50	1.57	3.1	2.6	3.8
October	29.418	29.810	28.850	45.0	53.7	60.5	41.7	51.1	85	25	36	39	70	60	.226	.257	1.87	1.13	4.5	4.7	5.5
November	29.581	29.940	28.960	42.4	49.8	55.4	40.0	47.7	74	24	33	36	69	63	.188	.217	.78	.42	5.7	3.7	5.6
December	29.639	30.210	29.110	22.0	28.3	34.2	19.5	26.8	66	− 4	18	21	85	74	.119	.135	.78	.39	6.0	5.3	6.5
Year	29.440	30.210	28.710	48.5	56.7	62.9	45.2	54.0	96	−10	51	44	76	64	.312	.342	25.00	2.09	4.6	4.3	5.3

ST. PAUL, MINN.

[ϕ=44° 58′ N.; λ=93° 03′ W.]

January	29.089	29.990	28.470	3.0	.....	16.2	−2.5	6.8	42	−23	0	.....	87	.....	0.046	.....	1.79	1.05	3.1	.....	5.0
February	29.169	29.750	28.160	0.2	.....	16.2	−3.9	6.2	42	−25	−4	.....	82	.....	.038	.....	.44	.20	5.1	.....	4.8
March	29.048	29.760	28.580	22.5	.....	35.1	19.5	27.3	56	−14	18	.....	80	.....	.104	.....	2.09	.78	6.4	.....	5.8
April	29.105	29.420	28.680	36.2	.....	50.3	34.0	42.2	78	26	29	.....	74	.....	.164	.....	1.65	.70	6.4	.....	6.5
May	29.074	29.440	28.690	47.5	.....	65.5	44.2	54.8	84	32	36	.....	64	.....	.218	.....	3.92	2.15	4.2	.....	3.6
June	29.012	29.390	28.450	57.0	.....	72.3	53.3	62.8	88	42	50	.....	77	.....	.365	.....	3.79	1.46	5.7	.....	5.2
July	28.999	29.200	28.680	66.4	.....	81.5	63.2	72.4	99	49	60	.....	80	.....	.524	.....	4.12	1.52	3.5	.....	4.3
August	29.069	29.301	28.750	69.4	.....	76.5	56.5	66.5	93	45	52	.....	79	.....	.401	.....	2.82	1.41	4.3	.....	4.3
September	29.180	29.720	28.850	52.2	.....	68.8	50.1	59.4	84	35	48	.....	86	.....	.347	.....	2.00	1.05	4.2	.....	5.1
October	29.050	29.576	28.563	33.7	.....	45.8	30.8	38.3	68	18	29	.....	81	.....	.161	.....	1.68	.40	7.2	.....	7.7
November	29.259	29.620	28.593	33.0	.....	45.1	31.4	38.2	61	20	28	.....	82	.....	.157	.....	.06	.06	6.0	.....	6.3
December	29.305	30.020	28.680	7.6	.....	18.2	2.0	10.1	45	−22	3	.....	80	.....	.063	.....	.57	.17	6.1	.....	6.5
Year	29.113	30.020	28.160	34.9	.....	49.3	31.6	40.4	99	−25	29	.....	79	.....	.216	.....	24.93	2.15	5.2	.....	5.4

Annual meteorological summary for the year ending December 31, 1917—Continued.

SAGINAW, MICH.

[H=641 ft.; h_a=48 ft.; h_r=43 ft.; h_s=82 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	11.1	W.	36	SW.	0	5	4	3	2	10	16	17	5	0	6	5	20	9	7	18	9	0	1	20	0	31	0	0
February	11.2	W.	34	NW.	0	3	1	4	3	7	7	15	16	0	2	11	15	10	5	20	9	0	0	24	0	28	0	0
March	13.4	W.	48	W.	1	3	5	3	11	8	10	14	8	0	4	8	19	10	8	12	3	0	1	5	0	26	4	1
April	10.6	NW.	32	E.	0	10	8	7	4	6	3	8	13	1	3	9	18	13	11	6	2	0	1	0	0	13	3	0
May	11.7	NW.	38	W.	0	13	16	2	3	4	2	12	10	0	2	9	20	12	8	3	1	2	0	0	0	0	5	0
June	9.1	SW.	30	E.	0	3	5	5	2	14	13	10	8	0	4	11	15	14	9	0	0	1	0	0	0	0	9	0
July	7.2	SW.	33	SW.	0	5	5	7	2	8	18	9	8	0	8	8	15	12	9	0	0	1	0	0	4	0	12	0
August	7.0	W.	25	SW.	0	2	11	5	4	11	10	12	7	0	5	9	17	9	7	0	0	0	1	0	3	0	7	0
September	7.0	S.	28	S.	0	7	9	10	4	7	13	3	7	0	13	6	11	8	6	0	0	0	1	0	0	0	2	0
October	10.5	W.	29	S.	0	3	4	9	6	13	10	10	7	0	3	3	25	16	14	5	1	0	0	0	0	10	1	0
November	8.3	W.	36	N.	0	8	8	3	5	12	8	10	6	0	9	5	16	6	5	5	2	0	3	5	0	20	0	0
December	9.8	NW.	34	W.	0	7	1	5	7	10	11	6	15	0	4	4	23	10	5	17	8	0	0	21	0	29	0	0
Year	9.7	W.	48	W.	1	69	77	63	53	110	121	126	110	1	63	88	214	129	94	86	35	4	8	75	7	157	43	1

ST. JOSEPH, MO.

[H_b=967 ft.; h_a=11 ft.; h_r=3 ft.; h_s=49 ft.]

January	9.7	NW.	46	W.	2	3	7	9	5	12	6	6	14	0	13	12	6	5	3	5	2	0	2	8	0	27	0	0
February	10.9	NW.	42	NW.	1	11	9	1	8	8	4	1	14	0	11	15	2	1	0	5	1	0	0	7	0	28	1	0
March	12.9	NW.	48	NW.	2	8	6	9	7	8	6	5	13	0	14	11	6	6	5	3	1	2	1	1	0	15	4	0
April	11.6	NE.	38	NW.	0	4	14	10	7	12	2	3	8	0	8	10	12	13	10	4	1	0	0	0	0	4	6	0
May	8.3	NE.	33	W.	0	5	12	5	11	7	9	7	6	0	15	9	7	11	9	0	0	0	0	0	0	0	5	0
June	9.0	S.	44	NW.	1	3	6	5	7	16	2	11	10	0	17	9	4	8	5	0	0	2	0	0	8	0	9	0
July	6.9	S.	43	NW.	1	6	4	12	7	20	2	4	7	0	22	8	1	9	6	0	0	0	0	0	18	0	10	0
August	5.8	E.	28	NW.	0	6	7	10	13	8	4	6	7	1	15	12	4	14	13	0	0	0	1	0	3	0	12	0
September	6.6	SE.	21	NW.	0	7	6	13	16	5	5	2	6	0	17	8	5	8	5	0	0	0	0	0	2	0	4	0
October	10.2	NW.	36	NW.	0	9	2	3	9	13	4	6	16	0	12	11	8	5	4	4	1	0	0	1	0	11	1	0
November	6.9	S.	54	NW.	2	10	4	6	10	17	5	2	6	0	11	10	9	3	0	1	1	0	2	0	0	11	0	0
December	9.2	N.	42	NW.	1	10	7	8	10	10	4	3	10	0	4	13	14	5	1	10	4	0	1	16	0	25	0	0
Year	9.0	S.	54	NW.	10	82	84	91	110	136	53	56	117	1	159	128	78	88	61	32	11	4	7	33	31	121	52	0

ST. LOUIS, MO.

[H=568 ft.; h_a=265 ft.; h_r=258 ft.; h_s=303 ft.]

January	14.1	NW.	46	W.	4	0	6	2	9	8	13	9	15	0	9	13	9	8	7	6	1	1	6	7	0	19	0	0
February	14.9	NW.	52	NW.	2	4	8	3	3	7	6	5	20	0	7	10	11	4	3	6	1	2	0	7	0	27	3	0
March	19.1	S.	52	SW.	10	4	6	2	6	12	13	10	9	0	10	11	10	12	8	4	2	0	0	1	0	9	6	0
April	15.6	S.	62	SW.	5	4	6	8	9	13	7	5	8	0	8	13	9	14	13	1	1	0	0	0	0	1	6	0
May	13.3	N.	50	S.	2	8	7	4	3	8	13	7	12	0	9	15	7	12	9	0	0	1	0	0	1	0	4	0
June	13.6	S.	43	SW.	2	5	3	3	2	20	15	5	7	0	11	17	2	8	5	0	0	0	0	0	5	0	7	0
July	10.5	SW.	47	NW.	2	9	7	3	5	10	17	3	8	0	11	18	2	10	8	0	0	1	0	0	15	0	11	0
August	9.6	S.	44	S.	1	3	7	5	2	14	9	6	16	0	9	18	4	10	9	0	0	0	0	0	7	0	9	0
September	10.5	S.	38	NE.	0	10	9	8	3	14	6	4	6	0	16	9	5	8	6	0	0	0	0	0	1	0	3	0
October	15.1	S.	46	SE.	3	4	2	3	3	14	12	9	15	0	7	14	10	10	8	2	1	0	0	0	3	4	0	0
November	10.3	NW.	37	W.	0	10	7	0	4	13	7	9	9	1	11	6	13	5	4	3	1	0	3	0	0	4	1	0
December	12.8	S.	38	SW.	0	12	6	5	6	15	8	3	7	0	5	11	15	11	4	12	10	0	3	16	0	21	0	0
Year	13.3	S.	62	SW.	31	73	74	46	55	148	126	75	132	1	113	155	97	112	84	34	17	5	12	31	29	84	54	0

ST. PAUL, MINN.

[H=837 ft.; h_a=201 ft.; h_r=196 ft.; h_s=236 ft.]

January	11.6	NW.	40	NE.	1	5	1	3	4	3	3	7	5	0	8	15	8	9	6	10	9	0	1	27	0	31	0	0
February	14.5	NW.	52	NW.	3	4	1	0	2	5	2	2	12	0	11	10	7	9	3	17	9	0	0	24	0	28	0	0
March	14.5	NW.	44	N.	2	4	2	3	3	4	2	2	11	0	8	14	9	8	6	11	6	0	0	10	0	27	1	0
April	11.7	N.	40	S.	1	5	5	7	4	3	2	1	3	0	4	15	11	11	7	5	0	0	0	0	0	8	1	0
May	10.4	N.	36	E.	0	9	3	6	5	3	3	0	2	0	17	8	6	10	7	0	0	0	0	0	0	1	5	0
June	12.4	NW.	52	NW.	5	3	4	2	8	1	5	1	6	0	5	20	5	13	10	0	0	0	0	0	0	0	9	0
July	10.3	SE.	46	NW.	4	6	2	1	9	6	1	2	4	0	12	14	5	14	9	0	0	0	1	2	0	4	0	11
August	10.9	NW.	42	NW.	2	4	2	1	8	3	4	3	6	0	14	14	3	7	5	0	0	0	0	0	1	0	3	4
September	9.9	S.	39	NW.	0	2	1	5	7	4	5	3	3	0	12	9	9	8	6	0	0	0	4	0	0	0	3	0
October	14.5	NW.	44	SE.	4	7	0	0	8	2	2	5	7	0	1	13	17	11	10	11	3	1	1	3	0	18	2	0
November	9.4	SE.	51	NW.	1	4	1	4	5	6	4	1	5	0	7	9	14	3	0	5	2	0	5	3	0	14	0	0
December	12.4	NW.	44	NW.	1	6	0	2	4	5	1	2	11	0	4	14	13	12	4	14	11	0	0	23	0	30	0	0
Year	11.9	NW.	52	NW.	24	59	22	34	67	45	34	29	75	0	103	155	107	115	73	73	40	2	13	90	5	157	35	4

Annual meteorological summary for the year ending December 31, 1917—Continued.

SALT LAKE CITY, UTAH.

[ϕ=40° 46′ N.; λ=111° 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	25.688	26.060	25.250	18.8	24.4	28.6	13.8	21.2	45	2	12	16	75	71	0.075	0.091	0.91	0.38	3.8	7.2	6.1
February	25.671	26.130	25.040	26.2	31.9	35.8	21.4	28.6	55	2	20	22	77	65	.109	.117	1.22	.44	6.6	6.6	7.0
March	25.652	26.100	25.060	29.1	36.0	41.4	24.7	33.0	70	14	18	19	63	50	.099	.103	2.61	.87	6.1	5.1	5.5
April	25.536	26.010	25.000	40.2	51.4	54.6	36.6	45.6	73	24	26	28	58	45	.146	.151	1.49	.38	6.7	6.3	6.0
May	25.494	25.720	25.241	47.4	58.9	62.4	45.9	53.7	84	37	36	35	66	44	.213	.205	3.48	.97	5.6	6.0	6.2
June	25.646	26.050	25.200	57.4	75.2	76.9	54.7	65.8	92	41	36	33	48	24	.216	.189	.19	.19	2.4	2.7	2.6
July	25.616	25.836	25.431	70.1	87.2	90.5	67.5	79.0	97	60	47	46	45	28	.329	.324	.68	.63	3.7	2.7	3.4
August	25.667	25.810	25.503	63.9	83.5	86.0	61.8	73.9	92	57	42	38	46	22	.277	.239	.71	.53	2.3	2.3	2.8
September	25.676	25.850	25.400	57.2	72.5	77.8	55.0	66.4	91	42	40	39	56	35	.256	.253	1.16	.76	2.4	3.4	2.9
October	25.740	26.030	25.270	46.1	60.7	65.3	43.2	54.2	79	23	28	32	48	34	.155	.190	.03	.02	0.6	3.9	2.3
November	25.795	26.160	25.450	40.0	46.0	51.0	37.0	44.0	69	30	27	32	64	63	.146	.185	1.31	.57	4.3	5.5	5.3
December	25.725	26.030	25.400	38.6	44.0	48.6	35.1	41.8	61	26	27	28	62	54	.144	.157	.38	.17	6.8	7.2	7.4
Year	25.659	26.160	25.000	44.6	56.0	59.9	41.3	50.6	97	2	30	31	59	44	.180	.184	14.17	.97	4.3	4.9	4.8

SAN ANTONIO, TEX.

[ϕ=29° 27′ N.; λ=98° 28′ W.]

January	29.361	29.750	28.920	48.6	59.5	64.6	45.8	55.2	84	27	43	42	84	57	0.317	0.303	0.95	0.53	6.3	4.1	5.1
February	29.367	30.080	28.990	47.9	64.3	70.1	45.2	57.6	91	19	39	36	74	40	.281	.241	.49	.42	5.1	3.0	3.5
March	29.301	29.810	28.950	54.9	68.9	74.1	53.0	63.6	89	29	45	40	73	42	.360	.306	.16	.08	7.1	4.3	4.6
April	29.194	29.570	28.849	59.5	75.7	80.8	57.3	69.0	93	44	52	47	79	40	.432	.361	.28	.21	5.3	2.2	3.0
May	29.180	29.500	28.900	62.9	76.8	82.0	61.1	71.6	98	45	58	53	84	49	.504	.434	3.30	1.17	5.6	3.7	3.8
June	29.248	29.510	28.990	72.8	89.7	94.8	71.3	83.0	100	62	67	60	83	40	.676	.543	.02	.02	3.3	1.1	1.5
July	29.234	29.400	29.020	75.2	90.1	96.2	73.4	84.8	104	68	70	62	86	42	.748	.558	2.19	1.30	2.1	2.0	1.4
August	29.230	29.400	29.019	75.0	92.5	97.3	74.0	85.6	104	69	69	60	82	35	.713	.517	.10	.10	1.8	0.9	1.3
September	29.275	29.430	29.090	69.6	83.4	89.6	69.0	79.3	96	55	65	60	85	47	.630	.530	1.39	.74	3.4	3.0	2.4
October	29.328	29.750	28.900	57.8	73.9	81.5	55.8	68.6	95	32	48	44	71	37	.382	.331	.48	.45	3.4	0.5	1.4
November	29.462	29.770	29.210	52.6	69.0	75.5	51.4	63.4	84	41	43	40	73	38	.296	.266	.75	.75	2.0	1.6	2.0
December	29.429	29.830	28.890	42.8	55.0	60.1	40.7	50.4	81	19	36	36	78	52	.254	.252	T.	T.	3.5	3.2	4.6
Year	29.301	30.080	28.849	60.0	74.9	80.6	58.2	69.3	104	19	53	48	79	43	.466	.387	10.11	1.30	4.1	2.5	2.9

SAN DIEGO, CAL.

[ϕ=32° 43′ N.; λ=117° 10′ W.]

January	30.000	30.190	29.740	47.5	54.3	58.4	44.8	51.6	77	40	42	46	83	76	0.271	0.315	4.32	1.52	5.2	5.5	5.3
February	30.040	30.180	29.820	49.4	57.5	62.3	47.1	54.7	75	41	44	47	83	69	.292	.325	1.84	.68	4.7	4.3	3.9
March	30.000	30.350	29.840	48.7	58.4	62.7	46.5	54.6	75	39	40	43	74	60	.254	.287	.26	.18	3.0	2.3	2.5
April	29.900	30.120	29.598	52.0	59.9	63.1	50.8	57.0	79	44	47	48	84	68	.323	.343	1.06	.96	5.8	3.9	4.5
May	29.885	30.020	29.639	54.8	59.5	63.0	53.8	58.4	79	50	49	51	82	73	.350	.370	.31	.12	8.1	4.7	5.7
June	29.846	29.990	29.670	58.6	65.9	69.8	57.6	63.7	87	54	56	56	91	73	.448	.460	T.	T.	7.7	2.0	3.6
July	29.800	29.960	29.700	65.4	70.2	73.5	64.3	68.9	78	61	62	62	89	75	.558	.553	T.	T.	8.6	4.2	4.4
August	29.852	29.980	29.720	65.4	70.2	73.0	64.1	68.6	78	60	61	62	86	74	.537	.550	T.	T.	9.6	1.6	3.3
September	29.813	29.950	29.604	63.4	70.6	74.5	61.8	68.2	92	58	58	60	86	72	.494	.526	T.	T.	6.4	1.4	2.5
October	29.871	30.010	29.720	60.5	66.4	70.7	58.6	64.6	81	48	54	57	82	74	.433	.476	.17	.17	5.8	3.8	4.0
November	30.000	30.150	29.830	54.2	63.3	69.4	52.2	60.8	85	46	45	53	74	73	.309	.415	.08	.08	3.6	2.4	2.8
December	29.980	30.170	29.830	51.7	58.0	68.2	49.0	58.6	78	44	40	50	69	70	.260	.372	T.	T.	2.8	1.7	2.2
Year	79.916	30.350	29.598	56.0	62.8	67.4	54.2	60.8	92	39	50	53	82	71	.377	.416	8.04	1.52	5.9	3.2	3.7

SAND KEY, FLA.

[ϕ=24° 27′ N.; λ=81° 52′ W.]

January	30.078	30.250	29.880	71.8	72.5	74.5	70.4	72.4	76	55	65	66	80	81	0.628	0.648	0.03	0.02	2.0	1.5	2.3
February	30.105	30.449	29.860	68.0	68.5	72.2	65.3	68.8	78	45	62	62	81	80	.572	.580	.51	.34	3.0	1.8	2.6
March	30.063	30.200	29.950	73.7	74.3	76.2	72.2	74.2	80	62	66	66	78	76	.646	.650	2.67	1.58	4.3	2.2	3.7
April	29.937	30.150	29.629	74.1	74.4	76.4	72.0	74.2	82	64	64	65	71	72	.599	.616	1.76	1.07	3.1	1.7	2.6
May	29.938	30.110	29.730	76.3	77.2	78.8	74.9	76.8	85	65	68	68	75	73	.685	.691	2.17	1.46	3.0	2.5	2.8
June	29.985	30.110	29.750	80.5	80.3	82.4	77.4	79.9	87	70	72	73	77	78	.798	.802	3.68	2.18	4.7	3.1	4.7
July	30.002	30.110	29.880	81.8	82.1	84.4	79.3	81.8	89	72	73	74	75	75	.812	.825	.93	.55	3.5	2.9	3.1
August	29.968	30.100	29.840	82.3	82.7	85.3	78.8	82.0	90	71	73	73	74	74	.813	.820	2.83	1.05	4.5	4.6	5.0
September	29.881	30.060	29.670	81.8	82.1	84.5	77.3	80.9	89	71	74	73	77	76	.833	.822	10.39	3.22	5.6	5.3	5.6
October	29.919	30.030	29.800	79.1	79.7	81.4	75.9	78.6	86	71	72	72	79	77	.781	.774	3.54	1.18	6.3	5.1	5.8
November	30.045	30.300	29.720	70.1	71.8	73.6	67.9	70.8	78	56	60	60	71	68	.524	.526	.37	.19	3.7	3.8	4.0
December	30.051	30.310	29.820	65.8	67.6	70.4	63.8	67.1	76	49	59	59	79	75	.506	.515	.11	.09	4.0	3.0	3.3
Year	29.998	30.440	29.629	75.4	76.1	78.3	72.9	75.6	90	45	67	68	76	75	.682	.689	28.99	3.22	4.0	3.3	3.8

Annual meteorological summary for the year ending December 31, 1917—Continued.

SALT LAKE CITY, UTAH.

[H=4,360 ft.; h_t=147 ft.; h_r=141 ft.; h_a=189 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	SE.	42	NW.	1	1	6	5	15	8	7	0	20	0	6	14	11	8	6	13	8	0	1	20	0	30	0	0
February	8.4	NW.	42	NW.	3	4	2	5	11	9	5	3	17	0	5	7	16	10	6	14	10	0	4	8	0	26	1	0
March	7.7	NW.	60	W.	2	11	5	3	12	5	2	5	19	0	7	15	9	9	8	13	9	0	0	6	0	27	0	0
April	9.2	NW.	40	W.	1	9	8	6	10	4	4	4	15	0	6	12	12	9	7	6	5	0	0	0	0	8	2	0
May	9.2	NW.	42	E.	2	1	3	5	7	14	4	2	25	1	7	12	12	15	14	0	0	1	0	0	0	6	8	0
June	8.1	NW.	35	SW.	0	6	9	2	9	3	3	2	25	1	21	6	3	2	1	0	0	1	0	0	1	0	0	0
July	7.0	NW.	36	SW.	0	7	6	5	11	5	4	1	20	3	18	10	3	4	2	0	0	0	0	0	23	0	9	0
August	6.5	NW.	44	NW.	1	8	9	2	11	10	5	0	15	2	18	13	0	3	3	0	0	1	0	0	5	0	2	2
September	7.1	SE.	52	W.	2	8	8	5	11	12	5	0	11	0	19	6	5	10	7	0	0	2	0	0	1	0	8	0
October	6.7	NW.	52	N.	1	6	8	1	10	12	1	1	21	2	22	6	3	2	0	2	0	0	0	0	0	5	0	0
November	5.2	SE.	32	SW.	0	1	5	2	18	9	5	2	18	0	11	7	12	8	6	1	0	0	3	0	0	7	0	0
December	5.3	SE.	29	S.	0	2	3	4	15	9	8	1	10	5	5	8	18	5	4	7	4	0	1	0	0	8	0	0
Year	7.2	NW.	60	W.	13	64	77	45	140	100	53	21	216	14	145	116	104	85	64	56	36	5	9	34	30	111	30	2

SAN ANTONIO, TEX.

[H=693 ft.; h_t=119 ft.; h_r=112 ft.; h_a=132 ft.]

January	7.6	NE.	30	N.	0	3	21	4	5	8	40	5	6	0	10	11	10	8	5	0	0	0	4	0	0	4	1	0
February	7.9	NE.	37	NE.	0	5	19	4	8	7	7	1	4	1	17	5	6	5	1	0	0	0	1	0	2	4	0	0
March	10.2	SW.	39	N.	0	3	17	5	14	14	9	0	9	0	11	14	6	6	2	0	0	0	1	0	0	2	0	0
April	9.5	S.	44	SE.	1	4	7	7	22	10	2	1	6	1	18	8	4	4	3	0	0	0	0	0	2	0	3	0
May	10.0	NE.	43	NW.	1	6	22	4	18	8	0	1	3	0	18	7	6	9	6	0	0	1	0	0	8	0	6	0
June	9.2	S.	33	SE.	0	2	6	5	23	21	0	2	1	0	28	2	0	1	0	0	0	0	0	0	29	0	0	0
July	8.1	S.	41	NW.	1	1	4	4	26	20	4	2	1	0	28	3	0	4	4	0	0	0	0	0	30	0	5	0
August	7.3	S.	43	NW.	1	2	8	4	16	26	3	0	2	1	28	3	0	1	1	0	0	0	0	0	29	0	1	0
September	6.7	N.	25	N.	0	11	15	15	6	8	0	0	5	0	22	6	2	6	5	0	0	0	0	0	16	0	2	0
October	7.8	S.	35	N.	0	9	11	5	12	14	4	4	3	0	26	5	0	2	1	0	0	0	1	0	6	1	0	0
November	7.5	NE.	32	NW.	0	12	16	11	8	4	1	3	5	0	22	7	1	2	2	0	0	0	0	0	0	0	1	0
December	7.9	NE.	51	NW.	1	12	22	4	8	9	5	1	1	0	14	9	8	0	0	0	0	0	5	0	0	9	0	0
Year	8.3	NE.	51	NW.	5	70	168	72	166	149	45	20	37	3	242	80	43	48	30	0	0	1	12	0	122	20	19	0

SAN DIEGO, CAL.

[H=87 ft.; h_t=62 ft.; h_r=55 ft.; h_a=70 ft.]

January	5.2	E.	33	S.	0	4	10	15	4	3	6	7	13	0	10	10	11	11	11	0	0	0	1	0	0	0	0	0
February	5.9	NW.	34	S.	0	4	6	4	4	5	12	7	13	1	16	7	5	8	7	0	0	1	5	0	0	0	0	0
March	6.2	NW.	24	NW.	0	2	9	7	3	5	9	11	15	1	21	7	3	5	3	0	0	0	0	0	0	0	0	0
April	7.4	W.	43	S.	1	3	4	5	4	5	6	18	13	2	13	8	9	6	3	0	0	0	0	0	0	0	0	0
May	7.6	SW.	24	S.	0	0	1	6	2	9	16	18	10	0	9	12	10	4	3	0	0	0	0	0	0	0	0	0
June	6.0	W.	20	NW.	0	3	6	2	2	7	10	18	11	1	16	13	1	0	0	0	0	0	5	0	0	0	0	0
July	5.8	W.	21	NW.	0	6	0	1	0	5	19	16	13	2	14	13	4	0	0	0	0	0	0	0	0	0	2	0
August	6.3	NW.	17	W.	0	13	0	0	0	4	9	19	17	0	20	10	1	0	0	0	0	0	0	0	0	0	1	0
September	5.9	NW.	27	NW.	0	8	0	3	4	2	16	22	1	1	21	8	1	0	0	0	0	0	2	0	2	0	0	0
October	5.0	NW.	26	NW.	0	7	7	3	2	5	7	8	22	1	17	7	7	1	1	0	0	0	5	0	0	0	1	0
November	4.6	NW.	25	S.	0	9	8	9	1	3	1	5	23	1	18	10	2	2	1	0	0	0	5	0	0	0	0	0
December	4.1	NW.	17	NW.	0	13	10	4	3	2	1	7	21	1	23	7	1	0	0	0	0	0	8	0	0	0	0	0
Year	5.8	NW.	43	S.	1	72	61	59	29	57	98	150	193	11	198	112	55	37	29	0	0	1	31	0	2	0	4	0

SAND KEY, FLA.

[H=23 ft.; h_t=39 ft.; h_r=6 ft.; h_a=72 ft.]

January	14.0	E.	36	N.	0	6	12	27	11	1	2	2	1	0	24	7	0	2	0	0	0	0	0	0	0	0	0	0
February	15.1	SE.	60	N.	4	7	13	14	11	3	3	2	3	0	19	6	3	4	3	0	0	0	0	0	0	0	3	0
March	17.0	E.	40	N.	1	7	9	28	16	1	0	0	1	0	18	9	4	6	3	0	0	0	0	0	0	0	6	0
April	14.9	E.	56	NW.	1	6	9	27	6	2	2	2	6	0	21	7	2	3	3	0	0	0	0	0	0	0	4	0
May	12.6	SE.	68	SW.	2	12	5	20	19	1	0	3	2	0	22	4	5	4	3	0	0	0	0	0	0	0	3	0
June	12.9	E.	44	SE.	1	3	5	37	9	3	1	1	1	0	12	9	9	10	6	0	0	0	0	0	0	0	7	0
July	12.0	E.	46	S.	1	2	1	32	23	2	2	0	0	0	18	13	0	8	6	0	0	0	0	0	0	0	6	0
August	10.8	SE.	44	NW.	2	1	3	22	19	5	7	3	2	0	9	17	5	14	8	0	0	0	0	0	0	0	11	0
September	13.0	E.	60	SE.	4	1	12	24	7	5	7	3	1	0	11	6	13	14	11	0	0	0	0	0	0	0	6	0
October	12.0	E.	38	SE.	0	9	26	17	4	2	1	1	1	1	7	15	9	16	15	0	0	0	0	0	0	0	1	0
November	20.6	NE.	48	NE.	5	15	31	3	3	1	0	4	3	0	13	12	5	5	2	0	0	0	0	0	0	0	0	0
December	16.4	NE.	47	NW.	1	14	40	3	1	1	0	3	0	0	19	6	6	2	1	0	0	0	0	0	0	9	0	0
Year	14.3	E.	68	SW.	22	83	166	254	129	27	25	24	21	1	193	111	61	88	61	0	0	0	0	0	0	0	47	0

Annual meteorological summary for the year ending December 31, 1917—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	29.313	30.130	28.550	23.2	27.7	33.9	18.6	26.2	49	0	19	22	82	78	0.111	0.126	2.66	1.31	6.8	6.0	6.3
February	29.321	30.030	28.650	18.9	22.4	29.8	13.3	21.6	58	−10	16	16	87	73	.100	.098	.73	.22	7.4	5.2	7.1
March	29.332	29.808	28.760	34.0	39.4	45.8	29.8	37.8	71	9	27	30	76	68	.150	.174	2.72	1.03	6.7	6.5	6.7
April	29.304	29.720	28.570	42.5	46.2	52.4	37.8	45.1	81	26	35	37	74	70	.213	.234	3.66	1.17	7.2	5.9	7.7
May	29.208	29.494	28.610	49.5	53.2	52.1	45.0	52.0	87	38	42	43	75	69	.272	.284	3.13	.99	5.8	7.1	7.1
June	29.324	29.690	28.990	63.0	67.1	74.7	57.3	66.0	91	47	56	56	78	70	.455	.461	4.21	2.99	5.9	6.3	6.1
July	29.278	29.500	28.940	70.3	74.4	81.2	64.7	73.0	99	55	62	62	76	68	.574	.578	.46	.17	4.1	5.1	4.8
August	29.330	29.550	28.907	68.0	72.1	78.6	62.9	70.8	99	51	60	61	76	69	.522	.542	3.99	1.79	4.8	5.0	5.2
September	29.451	29.700	29.080	57.7	62.9	70.0	54.1	62.0	84	41	50	54	77	73	.374	.421	2.34	1.31	3.7	3.3	4.2
October	29.329	29.640	28.730	42.4	46.8	52.7	38.6	45.6	71	25	36	38	79	72	.222	.238	6.22	2.13	7.0	6.7	7.6
November	29.477	30.010	28.520	35.7	40.3	44.5	32.7	38.6	62	19	31	33	81	74	.173	.190	.79	.30	5.2	5.0	5.6
December	29.533	30.030	28.530	19.6	23.1	27.6	15.7	21.6	50	− 4	14	16	79	74	.096	.098	1.12	.72	7.0	5.0	7.2
Year	29.350	30.130	28.520	43.7	48.0	54.2	39.2	46.7	99	−10	37	39	78	72	.272	.287	32.03	2.99	6.0	5.6	6.3

SANDY HOOK, N. J.

[ϕ=40° 28′ N.; λ=74° 01′ W.]

January	30.005	30.750	29.320	30.2	33.0	38.2	26.7	32.4	50	10	25	27	79	77	0.140	0.152	2.78	1.20	6.4	4.1	6.3
February	29.942	30.530	29.080	24.1	29.1	34.5	21.1	27.8	52	4	19	21	78	70	.112	.122	2.57	.84	6.1	4.2	5.9
March	30.051	30.540	29.500	36.2	38.5	43.1	32.5	37.8	60	20	31	32	80	79	.177	.186	3.54	.85	5.8	3.3	5.5
April	29.932	30.410	29.220	42.7	45.9	52.6	39.9	46.2	77	28	38	40	84	80	.236	.252	1.91	.72	6.1	4.4	5.2
May	29.811	30.251	29.500	50.3	52.8	58.7	46.6	52.6	79	41	43	44	78	75	.286	.296	3.36	1.29	6.3	6.9	6.3
June	29.983	30.320	29.690	64.6	66.5	74.3	60.1	67.2	83	53	60	61	87	84	.532	.547	4.03	.97	5.0	6.4	5.5
July	29.947	30.210	29.620	71.0	72.8	79.4	67.2	73.3	98	60	66	68	86	84	.653	.683	6.59	2.94	6.4	6.9	5.9
August	29.990	30.300	29.590	71.9	74.2	80.7	68.1	74.4	94	59	66	67	82	79	.642	.667	2.77	1.60	4.0	4.8	4.1
September	30.086	30.490	29.550	60.3	63.6	69.6	57.7	63.6	80	49	54	54	80	73	.425	.434	2.25	1.13	4.5	3.5	5.0
October	30.031	30.370	29.370	50.4	53.4	58.8	46.5	52.6	70	33	44	46	81	76	.304	.322	5.52	1.79	4.5	2.9	4.5
November	30.062	30.620	29.360	38.5	43.1	47.2	36.3	41.8	59	21	32	35	76	73	.181	.210	.47	1.20	3.9	3.2	3.9
December	30.197	30.720	29.080	24.6	27.4	32.0	21.0	26.5	49	− 5	19	20	78	72	.110	.117	4.00	1.51	5.6	4.5	5.5
Year	30.003	30.750	29.080	47.1	50.0	55.8	43.6	49.7	98	− 5	41	43	81	77	.316	.332	39.79	2.94	5.4	4.6	5.3

SAN FRANCISCO, CAL.

[ϕ=37° 48′ N.; λ=122° 26′ W.]

January	29.996	30.280	29.630	42.9	50.7	54.3	40.8	47.6	63	34	36	36	79	61	0.224	0.223	1.83	1.02	3.1	2.6	3.0
February	29.934	30.320	29.360	47.0	54.7	59.3	44.8	52.0	73	37	42	42	83	64	.268	.268	3.81	1.36	4.8	5.0	4.1
March	30.031	30.360	29.650	46.0	54.2	59.1	44.3	51.7	72	41	39	39	78	58	.246	.240	1.42	.68	2.2	2.3	1.8
April	29.883	30.230	29.553	49.8	56.5	62.2	48.0	55.1	76	43	45	45	84	66	.302	.303	.33	.25	4.3	2.6	1.6
May	29.836	30.130	29.531	49.4	55.3	59.7	48.3	54.0	69	46	45	45	86	70	.302	.301	.06	.02	4.2	3.3	2.6
June	29.838	30.020	29.650	51.3	62.0	67.4	49.8	58.6	87	46	47	48	85	62	.319	.331	T.	T.	3.2	1.3	1.0
July	29.738	29.910	29.599	53.6	61.0	67.5	52.1	59.8	88	49	50	51	90	71	.365	.386	T.	T.	4.3	1.4	2.1
August	29.819	29.960	29.686	53.7	58.4	62.9	52.4	57.6	69	50	51	52	93	80	.379	.392	T.	T.	8.9	4.1	5.8
September	29.804	29.960	29.590	57.8	67.1	72.5	55.5	64.0	94	49	53	52	85	62	.403	.385	.02	.02	4.3	2.2	3.3
October	29.853	30.040	29.628	55.9	64.0	71.0	53.6	62.3	96	49	49	47	80	63	.350	.336	0	0	6.0	3.2	4.3
November	29.981	30.220	29.750	53.8	61.3	65.4	52.0	58.7	72	48	49	48	84	64	.344	.339	.81	.40	5.4	4.0	4.9
December	29.993	30.200	29.799	50.2	57.3	60.6	48.6	54.6	68	43	46	46	85	68	.307	.316	.72	.67	4.4	3.1	3.4
Year	29.892	30.360	29.360	51.0	58.5	63.5	49.2	56.3	96	34	46	46	84	66	.317	.318	9.00	1.36	4.6	2.9	3.2

SAN JOSE, CAL.

[ϕ=37° 20′ N.; λ=121° 54′ W.]

January	30.010	30.280	29.720	.....	52.6	55.0	33.1	44.0	63	22	....	37	....	58	.....	0.229	0.98	0.70	.....	2.9	3.6
February	29.965	30.303	29.473	.....	58.2	61.5	39.5	50.5	73	25	....	43	....	62	.....	.287	4.88	2.65	.....	4.8	4.9
March	30.045	30.327	29.750	.....	57.6	61.2	36.7	49.0	75	31	....	40	....	53	.....	.257	.77	.43	.....	2.2	2.0
April	29.901	30.250	29.590	.....	63.7	68.0	43.2	55.6	80	35	....	45	....	53	.....	.312	.26	.11	.....	2.7	3.0
May	29.871	30.102	29.570	.....	62.9	67.1	44.5	55.8	77	36	....	47	....	56	.....	.319	.22	.17	.....	2.6	4.0
June	29.861	30.034	29.689	.....	75.0	80.3	47.5	63.9	96	42	....	51	....	45	.....	.374	0	0	.....	0.3	0.5
July	29.778	29.915	29.659	.....	79.6	85.8	54.0	69.9	102	48	....	57	....	47	.....	.461	T.	T.	.....	0.6	1.5
August	29.839	29.990	29.729	.....	72.8	77.3	54.3	65.8	86	46	....	57	....	59	.....	.470	0	0	.....	0.3	3.2
September	29.836	29.985	29.663	.....	76.1	81.3	51.7	66.5	96	44	....	54	....	49	.....	.418	.01	.01	.....	1.1	2.0
October	29.869	30.031	29.710	.....	71.3	76.5	48.7	62.6	97	38	....	50	....	51	.....	.373	0	0	.....	1.0	2.9
November	29.992	30.221	29.798	.....	62.8	68.4	43.2	55.8	76	35	....	49	....	64	.....	.349	.54	.30	.....	3.3	4.9
December	30.005	30.190	29.830	.....	59.0	62.5	40.6	51.6	68	32	....	46	....	67	.....	.325	.55	.43	.....	3.5	4.6
Year	29.914	30.327	29.473	.....	66.0	70.4	44.8	57.6	102	22	....	48	....	55	.....	.348	8.21	2.65	.....	2.1	3.0

Annual meteorological summary for the year ending December 31, 1917—Continued.

SANDUSKY, OHIO.

[H=629 ft.; h_1=62 ft.; h_2=54 ft.; h_3=103 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	14.1	SW.	52	SW.	3	3	4	3	5	1	25	17	4	0	6	13	12	10	7	13	7	0	1	12	0	29	0	0
February	15.4	SW.	44	NW.	4	6	5	2	5	0	21	6	11	0	2	9	17	9	4	15	7	0	0	16	0	27	1	0
March	17.8	SW.	52	SW.	7	2	6	7	7	8	16	12	5	0	7	7	17	13	12	9	6	0	0	6	0	18	4	0
April	13.8	SW.	50	NW.	2	7	7	10	6	4	13	9	4	0	2	10	18	11	8	3	1	2	0	0	0	7	5	0
May	15.0	NE.	48	SW.	3	11	11	4	1	6	7	12	10	0	2	14	15	15	12	0	0	0	0	0	0	0	8	0
June	11.0	SW.	38	NW.	0	4	3	8	6	6	17	8	8	0	3	18	9	12	10	0	0	0	0	0	1	0	9	0
July	9.8	SW.	34	SE.	0	2	3	11	2	7	22	7	8	0	9	16	6	7	5	0	0	0	0	0	3	0	8	0
August	9.6	SW.	54	N.	1	4	8	10	5	4	15	11	5	0	10	12	9	12	9	0	0	0	0	0	2	0	9	2
September	10.2	NE.	31	NW.	0	3	12	11	7	10	8	6	3	0	12	13	5	6	3	0	0	0	1	0	0	0	3	0
October	14.0	SW.	40	SW.	2	2	1	2	10	14	16	10	7	0	2	10	19	16	12	3	3	0	0	0	0	2	3	0
November	11.3	W.	48	N	1	9	6	6	4	7	16	9	3	0	10	6	14	7	5	6	4	0	1	4	0	13	0	0
December	12.8	SW.	50	W.	3	10	2	9	5	5	18	4	9	0	4	10	17	8	5	11	7	0	0	19	0	27	0	0
Year	12.9	SW.	54	N.	26	63	67	83	63	72	194	111	77	0	69	138	158	126	92	60	35	2	3	57	6	123	50	2

SANDY HOOK, N. J.

[H=22 ft.; h_1=10 ft.; h_2=3 ft.; h_3=54 ft.]

January	16.7	NW.	62	S	12	4	1	3	3	9	16	11	15	0	7	9	15	14	11	10	6	0	6	7	0	24	0	0
February	18.6	NW.	60	W.	8	5	4	1	1	8	10	14	13	0	6	15	7	12	9	9	5	0	8	8	0	25	0	0
March	17.7	W.	56	S.	11	3	6	3	6	11	9	10	13	1	10	9	12	12	11	6	5	0	1	1	0	13	0	0
April	15.8	NW.	55	E.	6	4	6	8	3	7	4	7	21	0	10	9	11	8	7	2	2	0	0	1	0	2	2	0
May	16.3	NW.	48	NW.	4	4	11	3	3	8	2	14	17	0	7	13	11	11	8	0	0	0	1	0	0	0	7	0
June	12.1	S.	40	S.	1	2	4	2	11	20	8	5	8	0	8	13	9	11	8	0	0	0	6	0	0	0	5	0
July	11.8	SW.	71	S.	2	2	6	6	4	16	18	5	5	0	5	15	11	13	10	0	0	1	4	0	2	0	9	0
August	12.1	S.	73	S.	3	4	4	2	6	18	13	7	8	0	12	12	7	9	9	0	0	1	0	0	2	0	9	0
September	14.5	NE.	43	W.	2	6	14	6	0	12	3	12	7	0	9	13	8	6	4	0	0	0	2	0	0	0	0	0
October	18.5	S.	68	E.	7	6	6	3	5	17	3	12	10	0	10	16	5	10	7	0	0	0	0	0	0	0	3	0
November	16.7	NW.	49	NW.	9	5	4	3	1	6	7	12	22	0	17	6	7	3	2	1	1	0	0	3	0	5	0	0
December	21.1	NW.	65	W.	9	11	12	2	0	5	5	13	14	0	10	8	13	10	7	9	8	0	1	13	0	29	0	0
Year	16.0	NW.	73	S.	74	56	78	42	43	137	98	122	153	1	111	138	116	119	93	37	27	2	28	32	4	98	35	0

SAN FRANCISCO, CAL.

[H=155 ft.; h_1=209 ft.; h_2=200 ft.; h_3=213 ft.]

January	6.5	NE.	33	NE.	0	7	12	3	6	6	10	6	12	0	21	0	10	8	6	0	0	0	5	0	0	0	0	0
February	8.7	SW.	52	S.	2	9	5	2	2	7	14	8	9	0	14	6	8	11	9	0	0	1	1	0	0	0	0	0
March	7.6	NW.	33	SW.	0	6	2	3	1	4	10	15	21	0	24	6	1	4	4	0	0	0	1	0	0	0	0	0
April	9.0	SW.	37	SW.	0	1	1	1	3	5	20	23	6	0	26	2	2	5	1	0	0	0	1	0	0	0	0	0
May	11.2	SW.	37	SW.	0	1	0	0	5	0	23	15	18	0	20	8	3	4	0	0	0	0	0	0	0	0	0	0
June	11.5	SW.	34	SW.	0	0	1	0	1	4	41	10	3	0	26	3	1	0	0	0	0	0	1	0	0	0	0	0
July	12.5	SW.	37	SW.	0	0	0	0	1	0	55	4	2	0	21	10	0	0	0	0	0	0	0	0	0	0	0	0
August	11.7	SW.	36	SW.	0	0	0	0	0	0	51	10	1	0	7	14	10	0	0	0	0	0	0	0	0	0	0	0
September	8.4	SW.	34	SW.	0	1	0	0	3	2	35	11	8	0	19	7	4	1	0	0	0	0	3	0	2	0	0	0
October	7.1	SW.	33	SW.	0	7	1	2	2	4	31	8	7	0	13	11	7	0	0	0	0	0	4	0	1	0	0	0
November	5.5	N.	34	SW.	0	14	5	0	5	7	11	9	9	0	13	6	11	6	4	0	0	0	2	0	0	0	0	0
December	5.5	N.	24	SE.	0	17	13	2	6	5	6	2	11	0	17	9	5	3	3	0	0	0	8	0	0	0	0	0
Year	8.8	SW.	52	S.	2	63	40	13	35	44	307	121	107	0	221	82	62	42	27	0	0	1	25	0	3	0	0	0

SAN JOSE, CAL.

[H=141 ft.; h_1=12 ft.; h_2=3 ft.; h_3=110 ft.]

January	5.3	NW.	27	NW.	0	3	1	0	2	2	1	8	14	0	19	4	8	7	5	0	0	0	4	0	0	15	0	0
February	7.0	S.	46	SE.	1	0	0	0	3	2	2	10	11	0	11	6	11	11	10	0	0	1	1	0	0	3	0	0
March	6.8	NW.	27	W.	0	0	0	0	0	0	0	7	24	0	26	3	2	4	4	0	0	1	1	0	0	3	0	0
April	6.5	NW.	25	NW.	0	1	0	0	1	2	0	5	21	0	20	5	5	5	3	0	0	0	1	0	0	0	0	0
May	6.8	NW.	25	NW.	0	0	0	0	0	0	0	6	25	0	16	9	6	2	2	0	0	0	0	0	0	0	0	0
June	6.2	NW.	24	NW.	0	2	0	0	0	0	0	8	28	0	30	0	0	0	0	0	0	0	0	0	0	5	0	0
July	5.9	NW.	21	SE	0	0	0	0	0	0	0	5	26	0	30	1	0	0	0	0	0	0	1	0	8	0	0	0
August	5.4	NW.	17	SE.	0	0	0	0	0	0	0	2	29	0	19	12	0	0	0	0	0	0	3	0	0	0	0	0
September	5.1	NW.	23	NW.	0	0	0	0	0	0	0	2	28	0	22	7	1	1	0	0	0	0	2	0	0	7	0	0
October	4.0	NW.	24	N.	0	1	0	0	0	0	0	4	26	0	17	13	1	0	0	0	0	0	10	0	0	1	0	0
November	3.0	NW.	22	S.	0	0	0	0	1	1	0	6	22	0	13	10	7	4	2	0	0	0	4	0	0	0	0	0
December	4.2	NW.	31	N.	0	1	1	0	2	1	0	11	15	0	13	8	10	2	2	0	0	0	11	0	0	2	0	0
Year	5.5	NW.	46	SE.	1	8	2	0	9	8	3	66	269	0	236	78	51	36	28	0	0	2	38	0	21	23	0	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

SAN JUAN, P. R.

[ϕ=18° 29′ N.; λ=66° 7′ 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	29.986	30.120	29.870	73.5	.....	78.4	68.4	73.4	82	63	65	....	76	....	0.625	.....	2.52	0.67	4.3	.....	4.3
February	30.000	30.120	29.890	73.1	.....	78.1	68.4	73.2	80	62	66	....	78	....	.637	.....	2.86	.73	4.3	.....	3.7
March	29.989	30.110	29.850	74.9	.....	78.5	69.7	74.1	80	65	66	....	75	....	.646	.....	1.25	.33	4.1	.....	3.8
April	29.881	29.996	29.720	77.8	.....	82.2	70.4	76.3	90	65	69	....	75	....	.712	.....	2.82	.74	5.6	.....	5.3
May	29.899	29.997	29.750	80.2	.....	83.3	72.3	77.8	91	69	72	....	76	....	.778	.....	7.80	3.44	3.8	.....	4.8
June	29.932	30.046	29.790	81.2	78.7	83.8	74.4	79.1	91	72	73	73	76	83	.808	0.819	4.87	1.72	4.7	3.9	5.7
July	29.953	30.060	29.830	81.7	79.6	84.0	75.3	79.6	90	71	74	74	77	82	.828	.829	4.67	1.54	5.2	3.7	5.3
August	29.935	30.028	29.850	82.0	79.6	84.4	75.1	79.8	89	73	73	73	75	82	.813	.822	3.97	.96	3.3	4.9	4.8
September	29.879	29.976	29.740	81.2	79.1	84.5	74.9	79.7	91	71	74	73	78	82	.825	.813	4.64	1.01	4.0	2.9	4.9
October	29.869	29.971	29.750	80.8	77.5	83.1	73.5	78.3	87	72	72	72	76	84	.794	.788	3.22	.65	2.1	2.5	4.0
November	29.836	29.948	29.658	78.8	76.3	83.1	72.7	77.9	89	70	71	72	78	87	.767	.781	10.09	3.57	4.8	4.4	5.6
December	29.871	29.993	29.730	75.2	.....	80.0	69.4	74.7	84	62	68	....	79	....	.692	.....	3.01	.76	4.6	.....	4.8
Year	29.919	30.120	29.658	78.4	.....	82.0	72.0	77.0	91	62	70	....	77	....	.744	.....	51.72	3.57	4.2	.....	4.8

SAN LUIS OBISPO, CAL.

[ϕ=35° 18′ N.; λ=120° 39′ W.]

January	29.933	30.140	29.650	42.7	55.1	58.5	38.5	78.5	74	30	37	40	82	60	0.228	0.255	1.59	1.06	3.2	3.3	4.1
February	29.941	30.170	29.436	45.3	57.7	62.0	41.8	51.9	80	31	40	44	84	65	.255	.293	7.01	2.67	4.6	4.2	5.0
March	29.969	30.310	29.761	45.9	57.4	64.5	41.8	53.2	81	30	37	41	73	57	.222	.258	.44	.21	1.0	1.5	1.6
April	29.847	30.140	29.501	47.5	61.0	67.6	43.6	55.6	85	32	41	44	80	56	.260	.296	.11	.10	2.4	2.1	2.4
May	29.829	29.990	29.544	47.1	57.9	63.9	45.8	54.8	77	38	43	47	85	69	.278	.329	.49	.43	6.1	3.1	3.6
June	29.787	29.950	29.546	55.2	71.4	79.7	50.0	64.8	110	43	43	48	72	48	.283	.335	0	0	3.3	0	1.3
July	29.720	29.900	29.900	52.9	75.2	80.5	52.2	66.4	89	43	50	54	88	49	.355	.425	.01	.01	6.2	0.8	2.5
August	29.794	29.950	29.690	53.9	68.6	73.9	53.1	63.5	84	50	51	54	89	60	.371	.419	0	0	8.1	0.2	3.6
September	29.749	29.900	29.548	57.0	72.7	81.4	54.2	67.8	98	49	50	50	79	51	.362	.374	T.	T.	3.2	1.1	2.4
October	29.802	29.950	29.620	53.9	69.0	77.0	50.9	64.0	102	42	46	49	79	55	.319	.359	.09	.09	6.0	2.0	4.1
November	29.933	30.100	29.745	47.7	66.5	73.1	44.0	58.6	89	34	41	46	80	52	.261	.316	.47	.33	1.8	2.5	3.4
December	29.915	30.100	29.750	50.2	66.5	72.4	45.1	58.8	87	31	39	42	68	46	.241	.278	.14	.14	2.3	2.5	3.1
Year	29.852	30.310	29.436	49.9	64.9	71.2	46.8	59.0	110	30	43	47	80	56	.286	.328	10.35	2.67	4.0	1.9	3.1

SANTA FE, N. MEX.

[ϕ=35° 41′ N.; λ=105° 57′ W.]

January	23.167	23.400	22.770	22.9	30.8	37.7	18.4	28.0	48	6	16	17	74	56	0.091	0.097	0.55	0.39	3.9	3.5	4.6
February	23.207	23.500	22.850	25.5	37.6	42.8	22.8	32.8	57	6	17	19	68	47	.094	.103	.23	.12	3.7	4.7	4.3
March	23.151	23.430	22.870	26.9	43.3	47.3	24.0	35.6	68	7	16	12	60	30	.087	.075	.27	.15	2.3	2.7	2.9
April	23.137	23.400	22.800	36.3	53.6	57.6	34.6	46.1	70	20	20	15	52	24	.108	.088	.15	.09	2.6	5.8	4.4
May	23.153	23.480	22.840	40.8	55.5	60.0	37.8	48.9	71	22	28	24	61	35	.156	.138	.84	.55	3.7	6.7	5.2
June	23.325	23.650	23.050	56.1	75.1	79.1	53.0	66.0	89	38	31	26	38	17	.176	.145	.06	.06	1.3	4.5	3.1
July	23.352	23.480	23.188	60.8	75.8	83.7	59.3	71.5	90	55	45	44	57	34	.300	.290	.45	.13	2.9	8.4	5.3
August	23.370	23.500	23.220	57.3	73.1	79.3	56.2	67.8	89	48	46	45	68	41	.311	.303	1.37	.76	3.3	6.3	5.2
September	23.378	23.570	23.170	52.3	67.2	73.9	51.2	62.6	84	36	41	42	68	42	.268	.272	.64	.22	3.1	5.9	4.9
October	23.316	23.570	22.950	41.5	57.8	64.2	39.6	51.9	78	18	25	27	51	31	.141	.153	.19	.12	2.6	2.8	2.5
November	23.377	23.610	23.140	36.1	46.5	55.3	34.9	45.1	63	26	22	23	53	38	.114	.121	.26	.26	1.9	2.3	2.8
December	23.279	23.530	22.930	30.1	40.0	49.2	27.1	38.2	56	13	16	20	54	42	.089	.104	.02	.02	0.8	1.3	2.0
Year	23.268	23.650	22.770	40.6	54.7	60.8	38.2	49.5	90	6	27	26	59	36	.161	.157	5.03	0.76	2.7	4.6	3.9

SAULT STE. MARIE, MICH.

[ϕ=46° 30′ N.; λ=84° 21′ W.]

January	29.234	30.100	28.550	8.3	12.2	18.4	2.8	10.6	35	−22	5	8	84	83	0.061	0.066	1.42	0.32	8.0	6.1	8.1
February	29.246	29.910	28.360	−0.5	6.1	13.1	−6.8	3.2	39	−27	−4	3	85	84	.040	.049	1.51	.37	5.2	4.9	5.3
March	29.257	29.900	28.420	16.7	25.1	30.6	11.8	21.2	44	−19	13	20	82	81	.089	.113	2.48	.66	6.8	5.9	6.1
April	29.340	29.739	28.800	31.4	35.1	39.8	27.9	33.8	60	15	26	28	78	78	.143	.158	1.01	.30	6.2	5.6	5.9
May	29.251	29.570	28.620	41.7	45.2	53.1	35.0	44.0	71	27	32	33	70	65	.189	.194	1.87	.70	7.1	5.0	6.3
June	29.280	29.541	28.890	50.7	55.5	62.4	42.6	52.5	82	33	46	46	84	73	.313	.326	4.27	.94	5.9	5.5	6.7
July	29.226	29.499	28.934	58.7	65.7	74.3	51.8	63.0	95	43	55	58	87	77	.436	.492	1.95	.92	6.8	4.8	6.0
August	29.289	29.570	28.990	55.2	60.1	68.8	48.8	58.8	82	38	52	54	89	81	.393	.426	2.25	.58	6.8	3.9	6.5
September	29.441	29.816	28.960	49.3	53.7	61.9	45.0	53.4	76	35	47	49	91	84	.322	.353	1.39	.44	7.3	5.1	6.0
October	29.267	29.790	28.680	35.5	39.2	43.9	33.0	38.4	58	19	31	34	82	80	.176	.196	3.09	.97	7.7	6.2	8.1
November	29.470	30.010	28.650	28.7	33.0	37.6	26.1	31.8	56	8	25	28	85	82	.138	.161	.52	.30	6.6	5.6	6.4
December	29.468	30.010	28.600	9.2	13.4	17.9	4.4	11.2	35	−20	5	9	80	80	.064	.073	1.72	.37	7.8	7.4	7.8
Year	29.314	30.100	28.360	32.1	37.0	43.5	26.9	35.2	95	−27	28	31	83	79	.197	.217	23.48	.97	6.8	5.5	6.6

Annual meteorological summary for the year ending December 31, 1917—Continued.

SAN JUAN, P. R.

[H=82 ft.; h_1=9 ft.; h_2=4 ft. h_3=54 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.	Auroras.
	Miles		*Mi.*																									
January	15.6	NE.	48	NE.	3	0	10	10	4	5	1	0	1	0	14	12	5	19	12	0	0	0	0	0	0	0	0	0
February	14.5	NE.	40	NE.	1	0	12	3	2	10	1	0	0	0	11	15	2	15	12	0	0	0	0	0	6	0	0	0
March	17.6	NE.	44	E.	1	0	11	15	4	1	0	0	0	0	17	11	3	17	6	0	0	0	0	0	0	0	0	0
April	11.6	SE.	32	E.	0	1	6	14	5	1	1	0	1	1	8	15	7	16	9	0	0	0	0	0	1	0	3	0
May	10.7	SE.	34	E.	0	1	4	18	7	1	0	0	0	0	9	17	5	20	16	0	0	0	0	0	2	0	7	0
June	11.9	E.	46	E.	2	2	8	35	13	2	0	0	0	0	8	12	10	17	13	0	0	0	0	0	1	0	9	0
July	18.8	E.	50	E.	4	0	19	41	2	0	0	0	0	0	8	17	6	22	15	0	0	0	0	0	1	0	5	0
August	13.6	E.	36	E.	0	0	16	35	9	2	0	0	0	0	12	16	3	22	16	0	0	0	0	0	0	0	5	0
September	11.5	E.	52	NE.	2	1	9	29	12	2	2	1	2	2	11	12	7	20	14	0	0	0	0	0	1	0	5	0
October	8.7	SE.	29	E.	0	0	4	17	26	11	2	1	1	0	16	13	2	16	13	0	0	0	0	0	0	0	8	0
November	11.7	NE.	50	NE.	1	1	17	1	19	14	8	0	0	0	3	20	7	18	15	0	0	0	0	0	0	0	0	0
December	12.6	NE.	40	NE.	1	4	6	3	7	5	5	0	0	1	11	14	6	21	14	0	0	0	0	0	0	0	0	0
Year	13.2	E.	52	NE.	15	10	122	221	110	54	20	2	5	4	128	174	63	223	155	0	0	0	0	0	6	0	42	0

SAN LUIS OBISPO, CAL.

[H=201 ft.; h_1=32 ft.; h_2=23 ft.; h_3=40 ft.]

January	3.8	N.	20	NE.	0	16	7	3	3	6	3	8	12	4	16	5	10	7	5	0	0	0	3	0	0	3	0	0
February	5.0	N.	24	NE.	0	10	1	0	9	10	0	10	13	3	13	5	10	12	11	0	0	0	5	0	0	1	0	0
March	5.6	N.	22	NE.	0	15	2	1	1	2	1	22	16	2	25	5	1	5	2	0	0	0	2	0	0	1	0	0
April	5.0	NW.	24	W.	0	13	0	0	4	1	0	23	15	4	21	8	1	3	1	0	0	0	4	0	0	0	0	0
May	5.3	W.	24	W.	0	8	0	0	0	4	2	33	9	6	18	7	6	5	2	0	0	0	1	0	0	0	0	0
June	4.6	NW.	18	N.	0	7	0	1	3	3	5	17	21	3	26	4	0	0	0	0	0	0	2	0	6	0	0	0
July	3.1	S.	12	W.	0	3	0	3	7	18	5	12	10	4	27	4	0	1	0	0	0	0	5	0	0	0	0	0
August	3.9	W.	12	W.	0	1	2	0	2	4	3	39	9	2	11	20	0	0	0	0	0	0	3	0	0	0	0	0
September	4.0	NW.	24	SW.	0	4	0	4	4	7	2	20	17	2	20	10	0	0	0	0	0	0	5	0	0	7	0	1
October	3.1	NW.	14	N.	0	5	2	2	2	4	2	25	17	3	13	13	5	2	2	0	0	0	2	0	5	0	1	0
November	3.1	NW.	22	N.	0	9	2	0	3	3	2	12	23	6	17	7	6	3	3	0	0	0	6	0	0	0	0	0
December	3.9	NW.	22	N.	0	12	1	3	3	6	2	11	18	6	18	7	6	2	1	0	0	0	1	0	0	1	0	0
Year	4.2	W.	24	N.	0	103	17	17	41	68	27	232	180	45	225	95	45	40	27	0	0	0	39	0	18	6	2	0

SANTA FE, N. MEX.

[H=7,013 ft.; h_1=57 ft.; h_2=49 ft.; h_3=66 ft.]

January	9.5	N.	38	SW.	0	14	17	2	10	1	8	1	9	0	13	11	7	6	3	10	6	0	1	8	0	31	0	0
February	8.1	SW.	38	SW.	0	6	13	8	5	3	7	3	11	0	9	16	3	4	4	5	4	0	0	4	0	26	0	0
March	10.5	NW.	37	SW.	0	14	9	8	5	2	8	4	12	0	19	10	2	4	2	5	3	0	0	2	0	27	0	0
April	10.6	SW.	40	SW.	1	10	8	10	6	3	19	2	2	0	9	17	4	4	2	4	2	0	0	0	0	11	1	0
May	10.0	SW.	40	NW.	1	7	5	13	9	3	15	2	8	0	4	26	1	8	4	5	2	0	0	0	0	4	6	0
June	8.9	SW.	36	SW.	0	3	7	17	7	0	17	3	6	0	16	14	0	1	1	0	0	0	0	0	0	0	7	0
July	7.3	E.	33	E.	0	7	15	19	10	1	6	1	3	0	1	29	1	9	3	0	0	0	0	0	1	0	24	0
August	6.5	E.	28	NW.	0	4	17	16	7	5	4	4	5	0	4	25	2	11	7	0	0	1	0	0	0	0	15	0
September	6.6	E.	24	SE.	0	6	11	15	15	2	8	1	2	0	6	24	0	8	6	0	0	0	0	0	0	0	9	0
October	8.2	SW.	36	SW.	0	11	10	8	9	1	12	2	9	0	20	10	1	2	2	1	0	1	0	0	0	8	1	0
November	7.9	E.	28	SE.	0	10	9	16	19	0	5	1	0	0	19	11	0	2	1	0	0	2	0	0	0	8	2	0
December	8.0	N.	26	N.	0	15	13	12	8	1	3	1	9	0	23	8	0	1	0	1	1	0	0	0	0	27	0	0
Year	8.5	E.	40	SW.	2	107	134	144	110	22	112	25	76	0	143	201	21	60	35	31	18	4	1	14	1	142	65	0

SAULT STE. MARIE, MICH.

[H=614 ft.; h_1=11 ft.; h_2= 3 ft.; h_3=61 ft.]

January	10.1	E.	48	W.	2	3	7	15	2	4	14	8	9	0	4	3	24	18	11	21	18	0	2	27	0	31	0	0
February	11.5	W.	49	NW.	4	1	1	6	5	2	4	16	21	0	10	10	8	15	10	16	15	0	2	27	0	28	0	0
March	11.8	NW.	49	NW.	3	2	5	14	7	1	8	11	14	0	9	9	13	13	12	15	12	0	1	18	0	30	1	0
April	10.9	NW.	38	W.	0	7	5	8	7	0	1	14	18	0	11	5	14	10	8	9	5	0	1	5	0	19	1	0
May	10.7	NW.	38	NW.	0	6	9	8	2	0	5	13	19	0	7	9	15	7	5	5	4	0	0	9	0	9	2	0
June	8.1	W.	41	NW.	1	1	1	11	14	2	6	18	9	0	4	13	13	17	14	0	0	0	0	0	0	0	5	0
July	6.5	W.	31	NW.	0	0	2	6	10	2	9	24	7	2	6	13	12	11	9	0	0	0	0	0	4	0	4	0
August	8.0	W.	34	NW.	0	1	3	8	13	1	6	18	12	0	5	14	12	15	11	0	0	1	0	0	0	0	6	2
September	7.3	NW.	34	NW.	0	3	3	12	13	3	4	12	9	1	8	10	12	11	9	0	0	0	2	0	0	0	0	0
October	10.2	W.	34	W.	0	1	11	6	9	2	7	14	12	0	3	7	21	18	13	9	6	0	0	0	0	14	1	0
November	8.6	NW.	33	NW.	0	7	8	5	11	1	5	9	14	0	7	11	12	5	3	7	5	0	3	6	0	23	0	0
December	11.1	SE.	52	NW.	3	11	7	13	14	1	3	9	4	0	5	6	20	23	14	24	22	0	1	24	0	31	0	0
Year	2.8	W.	52	NW.	13	43	62	112	107	19	72	164	148	3	79	110	176	163	119	106	87	1	12	107	4	185	20	2

Annual meteorological summary for the year ending December 31, 1917—Continued.

SAVANNAH, GA.

[ϕ=32° 5′ N.; λ=81° 5′ 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	30.060	30.460	29.550	51.0	57.4	65.5	48.0	56.8	78	27	47	49	87	76	0.345	0.369	3.68	1.08	5.4	5.2	6.0
February	30.074	30.480	29.600	45.8	52.7	63.2	42.2	52.3	83	13	38	43	75	70	.284	.315	3.32	1.47	4.6	3.0	5.1
March	30.084	30.390	29.720	56.7	60.5	70.0	53.0	61.5	84	33	50	52	79	75	.384	.405	2.69	2.09	5.6	4.3	5.5
April	29.930	30.290	29.520	63.6	67.5	78.7	58.9	68.8	91	47	56	57	76	70	.458	.475	1.92	.67	3.4	3.8	3.0
May	29.889	30.080	29.600	66.1	71.4	81.2	61.4	71.3	93	50	56	56	70	60	.462	.463	3.18	1.34	3.9	3.9	4.1
June	30.006	30.240	29.700	75.6	76.7	87.3	70.4	78.8	95	60	68	70	78	80	.689	.729	3.72	2.55	4.5	5.4	5.1
July	29.968	30.160	29.650	78.7	78.2	89.2	73.1	81.2	96	68	73	73	83	84	.814	.803	8.39	1.31	4.5	6.5	6.2
August	29.941	30.130	29.660	76.5	78.9	88.0	72.5	80.2	93	70	72	72	86	81	.779	.788	10.22	4.14	5.9	6.6	6.0
September	29.960	30.140	29.630	70.1	73.3	81.4	67.3	74.4	95	54	67	67	89	82	.669	.682	1.77	.95	6.3	5.9	6.5
October	30.000	30.184	29.720	58.6	64.5	74.2	54.7	64.4	85	39	53	56	82	76	.424	.476	.54	.50	3.8	1.6	3.8
November	30.086	30.530	29.420	48.3	56.5	65.5	46.4	56.0	75	30	42	45	79	68	.276	.319	.75	.49	1.3	1.5	2.1
December	30.138	30.480	29.480	38.5	44.4	52.3	35.3	43.8	73	15	33	35	81	71	.205	.221	1.97	.55	5.6	4.1	5.5
Year	30.011	30.530	29.420	60.8	65.2	74.7	56.9	65.8	96	13	55	56	80	74	.482	.504	42.15	4.14	4.6	4.3	4.9

SCRANTON, PA.

[ϕ=41° 24′ N.; λ=75° 42′ W.]

January	29.136	29.860	28.420	26.4	28.8	36.4	20.5	28.4	52	2	20	22	76	75	0.117	0.125	3.15	0.60	7.1	4.6	6.3
February	29.083	29.660	28.320	21.5	25.5	32.4	15.8	24.1	53	— 5	16	18	78	73	.104	.110	1.84	1.06	7.7	5.3	6.5
March	29.187	29.634	28.620	32.6	37.4	44.1	28.8	36.4	65	15	26	28	76	68	.145	.151	2.99	1.14	7.0	5.3	6.7
April	29.102	29.570	28.370	42.9	49.1	56.5	38.6	47.6	79	24	35	36	73	61	.211	.220	1.06	.55	6.9	6.5	6.5
May	28.998	29.380	28.710	48.7	53.2	59.4	43.7	51.6	82	35	39	40	71	64	.247	.255	3.25	1.19	6.6	6.7	7.0
June	29.161	29.450	28.930	63.9	68.7	76.7	57.0	66.8	86	46	56	57	77	68	.465	.477	4.48	.95	6.0	6.6	6.6
July	29.133	29.371	28.820	68.5	73.8	81.7	63.7	72.7	98	52	64	66	86	78	.604	.656	2.27	.43	6.1	7.0	6.8
August	29.180	29.470	28.770	67.0	72.3	82.2	60.8	71.5	95	50	62	63	82	73	.557	.578	3.94	1.71	4.3	5.7	6.0
September	29.279	29.670	28.750	52.9	60.4	70.6	48.2	59.4	82	36	48	50	85	70	.349	.373	.91	.30	5.2	2.0	5.0
October	29.179	29.506	28.510	43.8	48.4	57.2	37.6	47.4	69	29	39	40	82	74	.243	.257	6.07	2.12	6.9	5.5	7.1
November	29.246	29.735	28.510	31.1	37.5	45.0	28.6	36.8	60	15	27	29	82	70	.147	.161	.89	.40	5.7	5.3	6.2
December	29.339	29.830	28.320	18.2	21.0	28.5	14.1	21.3	43	—13	13	14	77	72	.085	.091	2.15	1.10	7.7	5.6	7.2
Year	29.169	29.860	28.320	43.1	48.0	55.9	38.1	47.0	98	—13	37	39	79	70	.273	.288	33.00	2.12	6.4	5.5	6.5

SEATTLE, WASH.

[ϕ=47° 38′ N.; λ=122° 20′ W.]

January	30.050	30.470	29.350	36.5	40.2	42.1	34.0	38.0	52	16	34	35	89	82	0.197	0.209	2.02	0.48	7.1	6.9	7.7
February	29.978	30.510	29.180	37.4	41.4	43.1	35.5	39.3	52	26	36	36	92	82	.211	.218	1.43	.51	9.4	8.5	9.3
March	29.992	30.427	29.380	37.1	44.2	46.7	35.2	41.0	56	28	33	33	86	66	.190	.190	2.96	.70	7.5	7.7	7.4
April	29.895	30.210	29.430	42.5	50.4	52.6	41.1	46.8	64	36	38	39	87	68	.235	.240	4.48	.59	8.7	7.1	8.2
May	29.941	30.210	29.583	47.0	57.2	59.2	45.7	52.4	67	40	43	41	88	57	.280	.266	.83	.39	8.7	6.6	7.6
June	30.015	30.350	29.740	50.7	62.3	65.0	49.4	57.2	84	44	47	46	88	58	.323	.315	3.70	1.22	6.9	5.3	6.1
July	29.933	30.156	29.669	54.9	71.6	72.9	54.0	63.4	82	49	50	48	84	46	.362	.342	.09	.05	4.2	2.4	3.4
August	29.965	30.235	29.730	56.5	74.0	75.2	55.1	65.2	83	52	53	51	88	46	.398	.380	.63	.02	3.4	2.1	3.2
September	29.929	30.160	29.690	54.2	63.5	65.8	52.0	58.9	75	46	52	51	91	67	.384	.379	1.29	.34	5.6	5.7	6.5
October	30.094	30.450	29.750	49.1	56.2	58.2	46.8	52.5	71	34	46	46	92	70	.323	.323	.16	.10	6.3	6.2	7.6
November	29.996	30.350	29.330	47.5	52.3	55.2	44.1	49.6	65	34	44	46	90	80	.296	.312	2.70	1.26	6.0	7.5	5.2
December	29.920	30.440	29.290	43.9	45.5	49.4	40.7	45.0	61	29	41	41	90	86	.266	.269	9.21	1.46	9.0	9.6	9.3
Year	29.976	30.510	29.180	46.4	54.9	57.1	44.5	50.8	84	16	43	43	89	67	.289	.287	28.90	1.46	6.8	6.3	6.8

SHERIDAN, WYO.

[ϕ=44° 48′ N.; λ=106° 57′ W.]

January	26.028	26.560	25.556	11.6	20.5	31.6	4.8	18.2	53	—29	7	13	83	72	0.065	0.084	0.84	0.58	4.8	5.5	6.5
February	26.079	26.635	25.430	12.4	24.1	33.5	7.5	20.5	52	—30	9	16	86	71	.073	.098	.37	.11	6.7	8.8	7.9
March	26.056	26.503	25.451	15.9	29.5	36.5	11.4	24.0	62	—10	10	18	80	62	.073	.100	1.31	.50	5.4	5.5	4.5
April	26.055	26.350	25.670	31.6	45.5	50.4	29.8	40.1	74	21	27	29	81	55	.144	.161	1.12	.27	6.1	7.4	6.7
May	26.064	26.370	25.740	40.5	55.2	60.5	36.1	48.3	88	28	34	33	80	51	.203	.197	3.66	1.06	4.9	5.3	6.1
June	26.127	26.570	25.670	49.1	67.7	73.2	42.7	58.0	90	29	41	42	75	42	.261	.273	1.02	.41	3.4	4.5	4.5
July	26.108	26.436	25.810	60.0	84.2	88.6	53.8	71.2	100	43	48	45	67	27	.344	.311	.17	.08	3.2	3.3	3.5
August	26.188	26.470	25.908	49.4	75.8	81.7	46.2	64.0	95	37	42	41	77	32	.267	.261	.53	.53	3.4	4.3	4.5
September	26.163	26.407	25.790	43.5	66.8	75.1	40.7	57.9	89	31	39	41	85	42	.245	.264	.30	.10	4.0	5.2	4.7
October	26.181	26.750	25.650	32.6	46.2	55.3	26.7	41.0	82	—12	26	28	77	54	.147	.158	1.77	.69	4.9	5.5	6.0
November	26.233	26.600	25.800	30.5	43.3	56.8	26.7	41.8	70	18	25	30	79	59	.131	.165	.12	.10	2.6	3.2	4.5
December	26.096	26.620	25.630	15.4	21.1	34.4	7.9	21.2	64	—17	10	13	81	72	.079	.089	1.02	.20	6.7	6.3	8.9
Year	26.115	26.750	25.430	32.7	48.3	56.5	27.9	42.2	100	—30	26	29	79	53	.169	.180	12.53	1.06	4.7	5.4	5.7

Annual meteorological summary for the year ending December 31, 1917—Continued.

SAVANNAH, GA.

[H=65 ft.; h_t=150 ft.; h_r=143 ft.; h_a=194 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	12.2	SW.	50	NW.	1	7	5	3	4	8	16	9	10	0	9	7	15	10	6	0	0	0	4	0	0	2	1	0
February	15.2	SW.	60	NW.	5	1	6	2	4	13	12	10	8	0	9	11	8	9	6	1	0	0	2	0	0	7	2	0
March	13.6	SW.	46	NW.	3	3	5	8	8	10	13	7	8	0	11	6	14	8	7	0	0	0	3	0	0	0	2	0
April	10.3	SW.	44	NW.	1	2	1	3	4	20	10	12	8	0	19	8	3	9	7	0	0	0	0	0	3	0	8	0
May	10.2	SW.	34	SW.	0	5	4	2	3	8	13	17	10	0	15	9	7	6	5	0	0	0	1	0	0	4	0	0
June	10.4	S.	33	N.	0	5	4	2	8	23	9	7	2	0	7	17	6	6	4	0	0	0	0	0	0	7	0	10
July	8.1	SW.	44	W.	1	3	2	1	6	22	21	6	1	0	4	16	11	17	15	0	0	0	0	0	0	0	19	0
August	6.8	W.	21	E.	0	7	7	11	7	8	10	6	6	0	8	12	11	15	13	0	0	0	0	0	0	13	14	0
September	10.7	NE.	46	NE.	1	9	25	5	8	5	3	3	2	0	6	10	14	9	7	0	0	0	0	0	5	0	5	0
October	10.7	NE.	42	NW.	1	10	13	12	1	8	6	4	8	0	13	13	5	4	1	0	0	0	1	0	0	0	0	0
November	10.8	N.	33	W.	0	13	10	1	4	8	8	9	7	0	23	4	3	4	3	0	0	0	2	0	0	1	2	0
December	11.5	NE.	42	NW.	1	10	20	4	0	2	7	5	14	0	12	6	13	8	7	3	1	0	1	2	0	10	1	0
Year	10.9	S.	60	NW.	14	75	102	54	57	135	128	95	84	0	136	119	110	105	81	4	1	1	13	2	49	20	72	0

SCRANTON, PA.

[H=805 ft.; h_t=111 ft.; h_r=102 ft.; h_a=119 ft.]

January	8.1	SW.	39	SW.	0	4	3	0	4	4	29	9	9	0	8	9	14	16	12	14	11	0	0	8	0	26	0	0
February	8.0	SW.	31	SW.	0	6	4	1	2	3	22	8	10	0	6	11	11	11	6	10	7	0	0	12	0	28	0	0
March	9.0	SW.	37	SW.	0	6	10	1	4	5	14	7	14	1	8	7	16	16	10	11	10	0	0	2	0	30	1	0
April	8.0	NW.	32	NW.	0	11	9	4	1	1	13	6	15	0	7	11	12	9	6	3	0	0	0	0	0	6	1	0
May	8.0	SW.	32	SW.	0	11	8	2	1	1	16	8	11	4	6	7	18	16	13	1	0	1	0	0	0	0	0	0
June	5.4	SW.	38	SW.	0	5	8	0	1	6	22	3	9	6	5	11	14	18	15	6	0	0	0	0	0	0	11	0
July	5.3	SW.	24	SW.	0	3	6	5	5	7	24	5	3	4	4	11	16	14	10	0	0	0	0	0	4	0	12	0
August	5.5	SW.	42	W.	1	11	12	1	5	7	16	2	8	0	6	15	10	11	11	0	0	0	0	0	1	0	11	0
September	5.0	NE.	22	N.	0	9	15	2	6	3	17	2	5	1	12	12	6	7	4	0	0	0	1	0	0	0	1	0
October	7.8	SW.	37	SW.	0	7	14	2	6	4	21	3	5	0	6	7	18	12	9	1	1	0	1	0	0	9	4	0
November	6.4	NW.	30	NW.	0	5	13	0	4	2	11	5	20	0	7	13	10	8	4	9	5	0	2	4	0	21	0	0
December	8.3	SW.	35	W.	0	8	17	2	4	2	19	1	9	0	4	12	15	10	7	14	10	0	2	18	0	30	0	0
Year	7.1	SW.	42	W.	1	86	119	20	43	45	224	59	118	16	79	126	160	148	107	63	44	1	6	44	5	158	41	0

SEATTLE, WASH.

[H=125 ft.; h_t=215 ft.; h_r=209 ft.; h_a=250 ft.]

January	10.9	S.	43	S.	2	5	13	1	11	18	12	2	0	0	4	5	22	18	10	6	5	0	1	1	0	11	0	0
February	7.7	SE.	48	S.	1	11	6	3	17	10	3	4	2	0	0	2	26	13	9	11	6	0	2	0	0	8	0	1
March	12.2	S.	48	S.	6	7	5	2	16	16	12	3	1	0	5	7	19	16	10	7	3	1	1	0	0	3	0	0
April	9.7	S.	42	SW.	1	4	1	5	18	17	10	4	1	0	1	8	21	22	17	0	0	0	1	0	0	0	1	0
May	6.9	S.	30	SW.	0	4	2	4	10	10	12	9	11	0	0	15	16	11	6	0	0	0	1	0	0	0	0	0
June	8.7	S.	44	SW.	1	12	10	2	8	11	6	4	7	0	8	7	15	12	9	0	0	0	0	0	0	0	2	0
July	7.3	N.	26	S.	0	23	8	0	6	4	7	7	7	0	17	10	4	4	0	0	0	0	0	0	0	0	1	0
August	6.4	N.	23	N.	0	27	4	0	5	6	5	4	11	0	21	7	3	2	0	0	0	0	2	0	0	0	0	1
September	6.7	S.	38	S.	0	10	2	3	14	11	9	4	6	1	8	4	18	11	6	0	0	0	4	0	0	0	0	0
October	6.2	N.	40	S.	2	12	11	6	10	9	3	4	7	0	2	8	21	4	2	0	0	0	13	0	0	0	0	0
November	7.2	SE.	40	S.	1	7	4	5	19	17	1	3	4	0	0	7	23	17	10	0	0	0	10	0	0	0	0	0
December	12.9	S.	52	SW.	3	11	4	2	19	22	3	1	0	0	2	0	29	25	22	0	0	0	0	0	0	2	0	0
Year	8.6	SE.	52	SW.	17	133	70	33	153	151	83	49	57	1	68	80	217	155	101	24	14	1	35	1	0	24	4	2

SHERIDAN, WYO.

[H=3,790 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

January	6.0	NW.	44	W.	1	1	4	0	5	11	12	2	27	0	10	5	16	9	3	13	9	0	1	18	0	31	0	0
February	5.6	NW.	46	SW.	1	2	5	4	4	11	5	0	28	0	1	7	20	11	5	16	10	0	1	10	0	28	0	0
March	6.2	NW.	48	NW.	1	3	3	5	6	9	6	8	22	0	15	6	10	11	7	14	11	0	1	11	0	31	0	0
April	7.6	NW.	38	NW.	0	2	3	9	6	11	8	2	19	0	7	7	16	16	10	13	8	0	2	0	0	22	0	0
May	8.0	NW.	46	SW.	2	3	8	11	13	9	4	2	12	0	9	7	15	14	12	4	3	0	0	0	0	6	4	0
June	5.9	NW.	31	NW.	0	3	3	5	13	3	3	5	25	0	15	5	10	11	9	0	0	2	0	0	1	1	10	0
July	4.8	S.	32	NE.	0	3	5	3	8	18	7	6	12	0	17	11	3	7	1	0	0	0	0	14	0	9	0	0
August	4.6	NW.	36	NW.	0	4	2	5	4	20	7	3	16	1	12	10	9	8	4	0	0	1	0	0	5	0	5	0
September	4.5	NW.	38	SW.	0	3	2	3	5	16	10	3	17	1	10	12	8	6	3	0	0	0	0	0	0	1	2	0
October	6.6	NW.	37	NW.	0	1	3	5	3	17	6	1	25	1	10	6	15	11	8	9	6	0	0	4	0	22	0	0
November	3.5	S.	26	NW.	0	0	1	4	7	30	5	3	10	0	16	6	8	3	1	1	1	0	0	0	0	25	0	0
December	5.0	NW.	36	SW.	0	2	7	4	6	16	3	1	23	0	1	5	25	14	10	16	12	0	0	11	0	30	0	0
Year	5.7	NW.	48	NW.	5	27	46	58	80	171	77	36	232	3	128	87	155	121	73	86	60	3	5	49	20	197	30	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

SHREVEPORT, LA.

[ϕ=32° 30′ N.; λ=93° 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	29.837	30.360	29.320	45.6	53.7	59.1	41.9	50.5	81	22	42	42	85	68	0.295	0.302	3.29	0.88	5.5	5.8	6.3
February	29.861	30.540	29.460	43.1	56.3	62.9	40.2	51.6	84	16	36	38	77	54	.254	.268	2.10	.63	4.0	4.6	4.2
March	29.812	30.250	29.500	51.3	63.0	68.3	48.5	58.4	84	29	44	43	78	51	.331	.311	2.12	.72	5.8	5.4	6.0
April	29.702	29.980	29.430	56.8	68.7	74.5	53.2	63.8	85	39	50	50	78	52	.385	.376	3.34	1.25	4.3	3.7	4.9
May	29.702	29.990	29.330	60.8	72.0	77.9	57.5	67.7	92	44	54	53	80	54	.447	.427	1.66	.74	4.3	3.7	4.4
June	29.758	30.040	29.490	72.0	86.5	91.4	69.1	80.2	102	56	64	59	76	41	.614	.517	0.49	.25	3.2	2.2	2.8
July	29.725	29.950	29.490	75.7	88.3	93.5	73.1	83.3	103	67	70	66	82	51	.721	.657	9.30	4.94	2.5	2.8	2.9
August	29.727	29.910	29.484	74.3	84.4	89.0	72.1	80.6	95	66	69	70	85	64	.722	.739	5.55	1.68	3.1	2.6	3.4
September	29.781	29.980	29.630	66.3	77.0	83.5	64.7	74.1	92	53	63	64	88	65	.585	.604	2.56	2.05	1.8	3.7	3.4
October	29.814	30.240	29.260	50.8	66.6	74.8	48.5	61.6	89	29	42	44	73	45	.296	.316	2.13	1.95	2.2	1.6	2.3
November	29.955	30.330	29.570	45.1	60.6	66.8	43.4	55.1	78	30	39	38	79	46	.245	.242	1.14	.68	3.0	1.8	3.0
December	29.953	30.350	29.220	37.3	46.0	51.2	35.3	43.2	78	13	33	36	84	70	.214	.240	1.02	.58	6.9	4.5	5.7
Year	29.802	30.540	29.220	56.6	68.6	74.4	54.0	64.2	103	13	50	50	80	55	.426	.417	34.70	4.94	3.9	3.5	4.1

SIOUX CITY, IOWA.

[ϕ=42° 29′ N.; λ=96° 24′ W.]

January	28.807	29.600	28.040	12.8	18.7	25.8	7.3	16.6	55	−22	9	14	82	81	0.069	0.092	1.24	0.76	5.3	3.1	4.1
February	28.893	29.510	28.010	8.1	18.6	24.4	5.5	15.0	53	−28	3	12	77	76	.056	.086	.57	.40	6.0	6.6	5.5
March	28.759	29.430	28.090	27.5	36.6	41.4	25.3	33.4	78	− 1	23	28	82	73	.130	.160	1.82	1.18	5.3	5.8	5.9
April	28.763	29.090	28.340	38.7	49.8	54.3	35.8	45.0	77	25	34	38	83	65	.202	.240	3.52	.96	8.0	6.2	6.9
May	28.752	29.170	28.170	49.2	63.1	67.1	44.7	55.9	89	33	40	40	72	48	.258	.260	4.32	1.68	4.1	4.4	4.7
June	28.735	29.140	28.280	61.3	73.8	77.2	57.6	67.4	91	43	53	56	76	56	.410	.467	3.91	1.68	3.8	3.9	4.1
July	28.721	28.960	28.430	69.3	84.2	87.6	65.0	76.3	103	45	61	62	76	49	.542	.576	.85	.25	2.1	1.3	2.1
August	28.808	29.090	28.540	61.9	76.7	81.8	58.9	70.4	95	46	55	56	79	51	.438	.460	2.66	1.88	3.3	4.0	3.2
September	28.864	29.340	28.570	56.2	67.8	73.1	53.6	63.4	84	40	51	53	85	61	.393	.420	.97	.51	5.7	5.1	4.8
October	28.814	29.321	28.260	35.4	47.0	54.1	31.9	43.0	77	13	28	29	76	52	.160	.167	.31	.16	5.5	4.5	5.3
November	28.957	29.300	28.520	34.8	44.8	50.8	32.7	41.8	67	18	31	35	85	70	.173	.207	.47	.19	4.4	3.2	4.9
December	28.993	29.710	28.387	10.3	16.0	21.9	5.4	13.6	47	−28	7	11	86	79	.078	.089	.68	.22	4.4	4.6	6.0
Year	28.822	29.710	28.010	38.8	49.8	55.0	35.3	45.2	103	−28	33	36	80	63	.242	.269	21.32	1.88	4.8	4.4	4.8

SPOKANE, WASH.

[ϕ=47° 40′ N.; λ=117° 25′ W.]

January	28.032	28.540	27.320	24.2	29.6	32.0	20.6	26.3	44	− 4	20	22	83	74	0.115	0.125	0.98	0.45	6.5	7.7	7.0
February	28.016	28.480	27.255	27.3	33.3	35.3	24.4	29.8	49	3	23	28	83	80	.129	.153	1.28	.34	8.0	8.4	8.8
March	27.992	28.519	27.562	26.7	38.2	40.6	24.8	32.7	51	8	22	24	79	57	.117	.130	1.07	.31	7.2	6.7	7.5
April	27.924	28.230	27.540	38.5	49.3	52.1	36.9	44.5	60	31	31	30	74	51	.175	.173	1.71	.48	7.5	8.7	7.8
May	27.895	28.220	27.658	45.8	63.4	65.1	44.5	54.8	77	36	39	36	79	40	.247	.221	1.62	.60	6.0	6.9	6.6
June	27.997	28.350	27.660	49.6	69.8	71.9	48.4	60.2	90	40	40	35	71	31	.249	.209	1.00	.53	4.0	6.6	5.5
July	27.911	28.201	27.650	59.2	86.3	87.8	57.9	72.8	100	45	43	36	57	18	.284	.218	T.	T.	1.7	2.6	2.7
August	27.967	28.170	27.768	57.0	85.5	87.0	55.8	71.4	97	49	40	35	54	17	.248	.205	T.	T.	1.8	2.8	2.7
September	27.958	28.290	27.700	51.7	73.3	75.0	49.5	62.2	90	38	41	40	69	32	.262	.251	.34	.22	4.4	5.0	4.8
October	28.086	28.440	27.573	40.8	60.8	63.5	37.4	50.4	82	21	30	31	67	34	.174	.183	.08	.08	2.5	5.3	4.5
November	28.126	28.560	27.470	37.7	46.3	48.9	35.3	42.1	61	25	34	38	88	74	.200	.228	.95	.28	5.6	7.1	7.3
December	27.945	28.360	27.420	35.3	37.9	41.8	31.0	36.4	58	14	31	32	84	82	.178	.194	2.85	.50	7.5	8.0	8.6
Year	27.987	28.560	27.255	41.2	56.1	58.4	33.9	48.6	100	− 4	33	32	74	49	.198	.191	11.88	.60	5.2	6.3	6.2

SPRINGFIELD, ILL.

[ϕ=39° 48′ N.; λ=89° 39′ W.]

January	29.355	30.140	28.590	24.8	30.8	37.6	20.4	29.0	60	6	20	23	80	71	0.119	0.131	1.69	1.12	4.7	4.1	5.2
February	29.405	30.000	28.790	20.5	27.2	34.0	15.1	24.6	57	−14	15	18	77	65	.096	.107	.47	.31	7.9	5.1	5.9
March	29.333	29.850	28.830	36.3	45.5	52.5	32.8	42.6	83	10	29	32	74	60	.172	.197	5.17	3.13	5.3	5.5	5.7
April	29.284	29.620	28.740	44.3	53.0	59.4	40.5	50.0	84	28	38	39	77	62	.237	.259	3.77	1.28	6.3	6.5	6.5
May	29.253	29.590	28.680	53.0	61.5	68.1	48.5	58.3	89	35	46	48	76	62	.324	.351	3.93	1.07	5.6	5.8	6.1
June	29.302	29.640	28.880	65.2	74.1	79.4	60.0	69.7	94	44	59	62	82	68	.519	.574	10.77	5.94	4.9	3.9	4.8
July	29.267	29.420	28.980	70.5	80.0	87.2	66.2	76.7	98	55	64	64	80	61	.605	.620	3.86	2.74	2.9	4.3	3.9
August	29.327	29.520	29.060	65.7	75.4	82.1	62.7	72.4	93	52	60	61	81	63	.519	.547	2.35	.66	4.4	4.6	4.7
September	29.409	29.760	29.100	56.9	68.4	76.0	54.5	65.2	87	39	53	56	86	67	.409	.476	1.61	.61	4.5	3.3	4.1
October	29.331	29.730	28.760	41.4	48.9	56.6	38.2	47.4	81	25	35	35	77	60	.212	.213	.81	.21	5.9	5.9	6.1
November	29.500	29.890	28.834	37.6	45.3	52.4	35.3	43.8	72	18	32	34	80	67	.183	.204	.25	.13	5.6	4.6	5.6
December	29.555	30.120	29.060	18.5	23.6	29.9	15.2	22.6	61	− 8	14	17	84	74	.103	.112	75	.18	7.7	5.0	6.1
Year	29.360	30.140	28.590	44.6	52.8	59.6	40.8	50.2	98	−14	39	41	80	65	.292	.316	35.43	5.94	5.5	4.9	5.4

Annual mereorological summary for the year ending December 31, 1917—Continued.

SHREVEPORT, LA.

[H=249 ft.; h_t=77ft.; h_r=70 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.	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	7.9	S.	32	W.	0	5	6	1	9	19	6	5	11	0	11	2	18	12	10	2	2	0	0	2	0	7	3	0
February	8.7	S.	30	NW.	0	6	5	4	7	16	4	6	8	0	14	7	7	8	6	0	0	0	0	0	0	8	3	0
March	10.0	S.	29	N.	0	8	4	2	15	18	2	1	12	0	10	5	16	9	8	1	1	0	0	0	0	2	7	0
April	9.1	SE.	42	S.	1	6	1	5	20	10	4	3	11	0	11	9	10	10	8	0	0	0	0	0	0	0	7	0
May	8.8	S.	33	SE.	0	7	8	5	13	19	1	3	6	0	11	15	5	7	5	0	0	1	0	0	2	0	3	0
June	7.5	S.	24	S.	0	6	8	3	8	31	1	3	0	0	20	9	1	3	3	0	0	0	0	0	22	0	2	0
July	6.2	S.	24	SE.	0	6	3	5	13	25	5	3	2	0	22	7	2	6	4	0	0	0	0	0	25	0	7	0
August	5.0	E.	28	N.	0	6	10	14	10	11	5	2	4	0	22	4	5	7	7	0	0	0	0	0	17	0	5	0
September	5.2	NE.	30	SE.	0	6	24	11	11	2	1	0	5	0	19	7	4	4	3	0	0	0	1	0	4	0	3	0
October	7.2	SE.	30	SE.	0	10	5	5	14	10	4	4	10	0	23	4	4	4	3	0	0	1	0	0	0	1	2	0
November	5.7	SE.	29	NW.	0	7	4	7	15	4	3	10	9	1	20	5	5	3	3	0	0	0	0	0	0	2	0	0
December	7.3	NE.	38	NW.	0	7	16	14	2	12	1	2	8	0	11	7	13	2	2	0	0	1	0	3	0	15	1	0
Year	7.4	S.	42	S.	1	80	94	76	137	177	37	42	86	1	194	81	90	75	62	3	3	3	1	5	70	35	43	0

SIOUX CITY, IOWA.

[H=1,135 ft.; h_t=94 ft.; h_r=86 ft.; h_a=164 ft.]

January	12.9	NW.	60	NW.	6	9	2	6	2	16	3	2	22	0	16	7	8	8	5	9	8	0	0	22	0	31	0	0
February	14.8	NW.	69	NW.	3	6	1	2	7	6	3	2	29	0	10	9	9	5	3	10	5	0	0	20	0	28	0	0
March	14.1	NW.	56	NW.	7	13	3	8	8	7	2	4	17	0	10	7	14	6	6	10	6	0	0	8	0	24	0	0
April	13.1	NE.	47	NW.	5	13	15	8	9	6	0	1	8	0	7	8	15	11	9	3	3	0	0	0	0	10	4	0
May	11.5	N.	54	W.	3	17	11	9	7	5	1	4	8	0	14	7	10	10	8	2	2	1	0	0	0	0	5	0
June	12.9	NW.	85	W.	2	10	6	5	9	12	1	5	12	0	15	9	6	15	12	0	0	0	0	0	1	0	12	0
July	10.1	S.	39	N.	0	5	6	9	9	16	2	1	13	1	22	9	0	8	5	0	0	0	0	0	12	0	11	0
August	9.8	S.	42	E.	1	4	7	10	7	14	2	3	14	1	17	9	5	5	3	0	0	0	0	0	1	0	5	2
September	10.5	S.	40	W.	1	4	10	7	16	11	2	0	10	0	11	12	7	7	4	0	0	0	1	0	0	0	6	0
October	14.4	NW.	57	NW.	5	15	2	1	7	9	3	4	20	1	9	14	8	2	2	4	1	0	0	1	0	19	0	0
November	8.8	SE.	47	NW.	1	6	10	5	18	7	2	1	11	0	15	3	12	5	5	2	2	0	3	1	0	13	1	0
December	12.8	S.	51	NW.	4	11	5	6	12	14	0	1	12	1	7	11	13	7	6	8	7	0	0	21	0	31	0	0
Year	12.1	NW.	85	W.	38	113	78	76	111	123	21	28	176	4	153	105	107	89	68	48	34	1	4	73	14	156	44	2

SPOKANE, WASH.

[H=1,929 ft.; h_t=101 ft.; h_r=94 ft.; h_a=110 ft.]

January	7.1	SW.	33	W.	0	5	5	0	0	4	31	6	11	0	6	6	19	7	6	10	6	1	0	13	0	26	0	0
February	5.0	SW.	28	SW.	0	3	9	6	3	4	16	9	6	0	1	4	23	12	9	13	11	0	2	7	0	22	0	0
March	8.3	SW.	40	SW.	1	2	5	3	5	5	26	11	5	0	2	9	20	11	8	20	9	2	0	2	0	28	0	0
April	7.6	SW.	28	SW.	0	1	6	8	1	16	19	5	4	0	1	11	18	13	12	4	2	1	0	0	0	4	0	0
May	6.2	SW.	29	NW.	0	2	8	6	3	6	22	12	3	0	5	10	16	11	7	0	0	1	2	0	0	0	1	0
June	7.8	SW.	33	W.	0	1	5	5	3	14	21	7	4	0	7	17	6	8	5	0	0	1	0	0	1	0	0	0
July	6.8	SW.	27	W.	0	3	5	4	6	6	25	8	5	0	18	11	2	0	0	0	0	0	0	0	11	0	0	0
August	5.3	SW.	25	W.	0	10	9	5	1	4	16	9	3	5	19	12	0	0	0	0	0	0	0	0	9	0	0	1
September	5.1	SW.	32	W.	0	12	10	4	0	5	21	6	2	0	12	9	9	4	2	0	0	0	0	0	0	0	1	0
October	5.0	SW.	33	NW.	0	7	15	3	1	7	19	6	4	0	14	8	9	1	1	2	0	0	0	0	0	9	0	0
November	4.3	E.	24	SW.	0	5	12	15	0	4	14	2	8	0	6	5	19	7	6	0	0	0	8	0	0	8	0	0
December	8.5	SW.	42	SW.	1	5	9	3	0	3	33	5	4	0	2	4	25	19	16	11	8	1	6	5	0	16	0	0
Year	6.4	SW.	42	SW.	2	56	98	62	23	78	263	86	59	5	93	106	166	93	72	60	36	7	18	27	21	113	2	1

SPRINGFIELD, ILL.

[H=636 ft.; h_t=10 ft.; h_r=4 ft.; h_a=91 ft.]

January	9.7	NW.	32	W.	0	2	7	4	5	10	12	8	14	0	13	6	12	6	6	9	3	0	4	11	0	27	2	0
February	10.9	NW.	39	NW.	0	3	5	3	4	7	4	9	21	0	8	8	12	5	2	9	2	1	0	13	0	28	2	0
March	12.7	S.	35	W.	0	4	6	4	9	12	5	12	10	0	9	9	13	10	7	4	1	2	0	2	0	13	7	0
April	11.2	NE.	32	SW.	0	5	11	8	5	12	4	8	7	0	8	6	16	16	12	2	2	0	0	0	0	4	5	0
May	8.7	W.	30	NW.	0	11	9	3	5	7	9	6	12	0	7	11	13	14	10	1	0	1	0	0	0	6	8	0
June	8.6	S.	33	SW.	0	4	1	4	10	12	11	10	8	0	12	12	6	12	9	0	0	2	1	0	2	0	10	0
July	6.4	S.	26	E.	0	4	6	3	5	15	11	9	8	1	14	14	3	10	7	0	0	0	0	0	8	0	12	0
August	6.0	NW.	33	NW.	0	6	6	5	7	7	11	9	10	1	12	10	9	9	7	0	0	0	1	0	6	0	10	0
September	6.8	S.	27	E.	0	6	12	7	9	10	8	1	7	0	14	8	8	6	5	0	0	0	1	0	0	0	2	0
October	9.2	NW.	30	NW.	0	1	3	0	11	11	9	11	16	0	6	14	11	10	8	3	2	0	1	0	0	8	3	0
November	7.0	W.	30	NW.	0	8	10	1	6	9	6	13	7	0	11	5	14	4	2	4	1	0	3	0	0	8	0	0
December	9.1	NW.	29	NW.	0	5	5	4	15	8	6	4	15	0	11	4	16	12	8	12	11	0	1	16	0	25	0	0
Year	8.9	NW.	39	NW.	0	59	81	46	91	120	96	100	135	2	125	107	133	114	83	44	22	6	12	42	16	113	61	0

Annual meteorological summary for the year ending December 31, 1917—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	28.636	29.290	28.106	31.9	38.8	45.8	26.3	36.0	65	5	27	27	81	63	0.163	0.158	1.46	1.23	4.4	4.9	4.7
February	28.675	29.260	28.180	27.1	36.8	44.2	21.9	33.0	70	−10	19	21	71	55	.117	.122	.47	.23	3.6	4.8	3.8
March	28.618	29.027	28.180	39.9	50.6	57.8	36.3	47.0	80	10	31	32	71	54	.191	.204	2.31	.93	5.0	4.9	3.8
April	28.548	28.810	28.190	47.5	57.9	64.3	43.8	54.0	82	30	38	38	72	53	.246	.252	4.63	1.76	5.6	5.3	4.1
May	28.555	28.896	28.070	52.7	63.4	68.4	49.8	59.1	85	34	46	44	78	54	.321	.312	3.90	1.02	4.5	5.5	4.1
June	28.625	28.940	28.271	65.1	75.7	80.7	61.1	70.9	94	48	57	60	76	60	.485	.527	2.69	1.04	2.8	4.1	2.3
July	28.592	28.760	28.350	70.2	82.0	86.0	67.0	76.5	94	59	63	64	79	56	.585	.606	4.15	1.25	3.6	3.6	3.2
August	28.639	28.780	28.420	66.5	76.2	81.7	63.8	72.8	90	53	62	63	85	65	.556	.584	4.26	1.10	4.1	3.2	4.1
September	28.700	28.950	28.500	60.5	71.2	77.4	58.7	68.0	88	46	56	57	84	61	.457	.473	3.74	2.13	3.2	2.6	3.2
October	28.642	29.030	28.060	42.3	54.4	61.5	39.5	50.5	84	19	34	36	74	52	.217	.236	.31	.22	3.9	4.4	3.6
November	28.783	29.110	28.380	40.5	50.0	56.5	38.3	47.4	73	20	32	31	74	54	.184	.181	2.61	1.51	4.9	3.5	4.5
December	28.787	29.320	28.350	22.0	28.5	34.8	18.2	26.5	71	−9	18	21	84	74	.119	.134	1.18	.93	5.9	3.2	5.0
Year	28.650	29.320	28.060	47.2	57.1	63.3	43.7	53.5	94	−10	40	41	77	58	.303	.316	31.71	2.13	4.3	4.2	3.9

SYRACUSE, N. Y.

[ϕ=43° 2′ N.; λ=76° 10′ W.]

January	29.330	30.100	28.570	23.6	23.4	32.0	16.0	24.0	49	−6	18	18	77	79	0.103	0.103	2.45	0.61	9.1	7.6	7.6
February	29.284	29.920	28.610	16.0	20.2	27.7	10.1	18.9	50	−6	13	15	86	80	.083	.093	2.73	.52	8.8	6.2	7.4
March	29.378	29.873	28.730	30.8	33.3	39.9	25.6	32.8	64	9	24	24	74	68	.129	.129	2.42	.78	7.7	6.1	6.6
April	29.331	29.820	28.600	39.9	43.4	49.8	35.0	42.4	71	22	32	33	74	67	.196	.198	2.27	.68	6.8	7.4	6.6
May	29.213	29.570	28.830	46.0	50.3	55.2	40.9	48.0	79	32	38	38	74	63	.231	.231	3.65	1.10	7.8	8.3	7.3
June	29.363	29.664	29.040	61.0	63.6	71.8	55.0	63.4	83	45	53	54	77	73	.415	.430	4.46	.80	7.5	8.0	6.6
July	29.321	29.570	28.990	69.0	72.2	78.9	63.3	71.1	93	51	61	61	77	69	.552	.552	1.80	.47	5.5	6.7	5.5
August	29.381	29.690	28.930	66.9	69.5	77.8	60.9	69.4	94	50	58	58	75	68	.500	.493	2.88	.70	5.5	6.1	5.5
September	29.490	29.870	28.940	55.0	59.7	68.0	50.3	59.2	79	40	48	49	79	69	.318	.362	1.50	.45	4.6	4.4	4.7
October	29.371	29.708	28.670	43.9	46.2	53.4	38.9	46.2	67	28	37	38	78	73	.229	.232	4.67	.90	7.8	6.9	7.5
November	29.468	30.040	28.710	32.2	34.1	40.1	28.3	34.2	54	11	27	30	79	84	.148	.170	.91	.25	7.1	5.8	6.9
December	29.553	30.068	28.550	15.9	18.1	24.8	10.9	17.8	46	−20	13	15	87	85	.088	.093	4.03	2.26	7.9	7.4	7.3
Year	29.374	30.100	28.550	41.7	44.5	51.6	36.3	44.0	94	−20	35	36	78	73	.252	.257	33.77	2.26	7.2	6.7	6.6

TACOMA, WASH.

[ϕ=47° 16′ N.; λ=122° 23′ W.]

January	29.951	30.370	29.290	35.9	40.5	42.2	33.1	37.6	53	14	34	37	91	87	0.199	0.222	3.39	0.70	6.9	8.5	8.0
February	29.870	30.380	29.073	37.7	41.6	43.4	35.8	39.6	53	29	36	39	94	91	.216	.242	2.17	.61	8.9	8.6	8.9
March	29.892	30.319	29.310	36.5	44.8	47.3	34.5	40.9	58	27	33	37	88	76	.191	.225	4.23	.93	7.5	7.4	6.8
April	29.793	30.096	29.335	42.1	50.7	53.3	40.2	46.8	64	33	41	45	94	82	.254	.301	5.78	.94	7.9	8.3	8.1
May	29.840	30.090	29.465	46.3	58.9	60.2	45.3	52.8	72	39	43	48	91	70	.288	.346	.75	1.25	8.7	6.4	7.5
June	29.911	30.230	29.620	50.2	63.9	65.9	48.8	57.4	87	43	47	52	90	67	.327	.388	3.07	1.09	6.6	6.1	6.7
July	29.829	30.050	29.570	54.1	72.5	74.2	52.7	63.4	83	48	49	53	85	52	.355	.413	.12	.07	3.6	2.5	3.8
August	29.865	30.140	29.630	55.5	74.1	75.6	53.9	64.8	83	51	51	52	86	47	.378	.386	.04	.04	3.2	2.9	3.6
September	29.823	30.070	29.587	53.2	64.3	66.6	51.3	59.0	76	42	50	52	88	67	.359	.394	2.01	.79	6.0	6.5	6.9
October	29.988	30.340	29.670	48.6	56.8	58.6	46.2	52.4	74	32	46	48	90	73	.315	.340	.13	.08	6.4	6.5	7.5
November	29.891	30.250	29.240	45.7	52.2	54.7	42.9	48.8	67	33	45	49	96	88	.298	.346	3.31	1.09	6.4	7.9	8.2
December	29.818	30.340	29.230	44.5	46.3	50.4	41.1	45.8	62	28	43	44	95	92	.289	.299	15.31	2.40	8.9	6.3	9.3
Year	29.873	30.380	29.073	45.9	55.6	57.7	43.8	50.8	87	14	43	46	91	74	.289	.325	40.31	2.40	6.8	6.5	7.1

TAMPA, FLA.

[ϕ=27° 57′ N.; λ=82° 27′ W.]

January	30.114	30.360	29.760	59.5	66.6	74.7	56.9	65.8	81	37	56	60	90	80	0.472	0.531	0.66	0.34	2.7	1.3	4.3
February	30.139	30.550	29.770	54.3	62.2	71.6	51.8	61.7	83	26	48	52	81	69	.391	.426	1.56	.69	3.5	3.4	3.7
March	30.114	30.310	29.890	62.5	70.7	79.0	59.6	69.3	85	40	55	57	78	64	.457	.487	.47	.42	4.4	2.4	3.5
April	29.975	30.260	29.600	66.8	72.6	81.9	61.4	71.6	88	52	59	60	77	66	.515	.531	1.65	.67	2.5	3.0	3.7
May	29.957	30.140	29.690	71.8	75.3	83.7	65.7	74.7	91	53	63	62	75	65	.599	.582	1.19	.60	3.7	3.3	4.2
June	30.034	30.180	29.750	76.3	78.8	89.5	71.1	80.3	94	67	69	68	78	70	.702	.682	4.21	2.49	4.8	6.0	6.4
July	30.031	30.186	29.830	74.5	80.1	89.5	74.3	81.9	94	68	72	72	80	76	.798	.781	7.21	1.40	3.4	6.5	5.6
August	29.984	30.120	29.800	79.3	79.4	88.4	74.5	81.4	94	70	74	72	83	80	.825	.793	10.54	2.76	5.4	8.6	6.9
September	29.930	30.121	29.770	75.7	77.8	86.9	72.3	79.6	95	68	72	70	88	79	.775	.744	5.37	1.14	6.1	6.8	6.9
October	29.980	30.110	29.840	67.2	71.9	81.1	64.2	72.6	88	48	61	62	82	72	.563	.573	3.99	2.44	4.5	3.6	4.9
November	30.110	30.470	29.640	56.3	63.0	71.8	53.9	62.8	78	36	47	50	72	63	.338	.374	.20	.14	2.4	3.1	2.6
December	30.119	30.420	29.760	50.4	57.1	66.5	47.1	56.8	76	27	46	46	84	68	.326	.337	.49	.24	5.0	2.8	4.7
Year	30.041	30.550	29.600	66.6	71.3	80.4	62.7	71.5	95	26	60	61	81	71	.564	.570	37.54	2.76	4.0	4.2	4.8

Annual meteorological summary for the year ending December 31, 1917—Continued.

SPRINGFIELD, MO.

[H=1,324 ft.; h_t=98 ft.; h_r=66 ft.; h_a=104 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	11.8	S.	46	W.	2	6	5	3	9	12	10	8	9	0	12	8	11	7	5	7	3	1	2	7	0	17	3	0
February	13.2	NW.	44	NW.	1	6	9	3	7	7	6	6	12	0	16	6	6	3	3	4	2	1	1	5	0	23	1	0
March	15.6	S.	48	SE.	3	4	7	4	15	13	5	7	7	0	18	5	8	12	7	3	2	1	0	2	0	11	5	0
April	13.8	SE.	42	W.	1	7	5	4	19	7	4	8	6	0	16	9	6	12	10	1	1	1	0	0	0	1	6	0
May	10.6	SE.	35	W.	0	9	8	5	11	11	5	7	6	0	13	12	6	13	8	0	0	3	0	0	0	0	9	0
June	10.4	S.	60	SE.	2	5	1	4	19	15	8	4	4	0	23	5	2	5	5	0	0	1	0	0	3	0	9	0
July	8.9	S.	33	NW.	0	4	4	2	10	21	12	2	7	0	20	8	3	9	9	0	0	1	0	0	9	0	11	0
August	7.8	S.	32	NE.	0	3	10	10	9	13	1	3	13	0	15	9	7	10	9	0	0	0	2	0	1	0	11	0
September	7.9	S.	24	S.	0	7	9	7	17	13	1	2	4	0	20	5	5	3	3	0	0	0	1	0	0	0	2	0
October	12.3	NW.	36	NW.	0	3	1	1	16	15	2	5	19	0	17	9	5	6	3	1	0	0	1	0	0	10	3	0
November	8.9	S.	38	NW.	0	9	6	5	13	11	2	6	8	0	15	6	9	6	4	1	0	0	4	0	0	7	2	0
December	11.4	S.	48	N.	1	9	10	4	14	13	2	5	5	0	10	14	7	3	3	9	3	0	2	15	0	24	0	0
Year.	11.0	S.	60	SE.	10	72	75	52	159	151	58	63	100	0	194	96	75	89	69	26	11	9	13	29	13	93	62	0

SYRACUSE, N. Y.

[H=597 ft.; h_t=97 ft.; h_r=65 ft.; h_a=113 ft.]

January	14.0	W.	50	W.	3	1	3	3	3	13	16	18	5	0	1	11	19	19	12	22	15	0	0	13	0	28	0	0
February	15.6	W.	52	S.	5	0	4	2	3	13	9	17	8	0	2	11	15	20	14	22	17	0	0	15	0	27	1	0
March	15.7	W.	60	S.	7	1	5	3	6	13	9	17	8	0	4	14	13	18	13	17	13	0	0	8	0	25	1	0
April	12.6	NW.	43	SW.	2	1	4	6	3	7	7	13	19	0	9	5	16	15	11	8	6	0	0	1	0	11	3	0
May	12.2	NW.	48	NW.	1	5	7	6	4	8	5	12	15	0	4	9	18	17	15	1	0	0	0	0	0	0	3	0
June	9.5	S.	36	W.	0	5	2	6	1	14	5	18	9	0	2	15	13	17	15	0	0	1	0	0	0	0	10	0
July	8.9	S.	31	NW.	0	3	2	4	5	27	11	4	6	0	8	15	8	13	12	0	0	0	0	0	3	0	10	0
August	8.9	S.	30	S.	0	5	4	3	3	23	4	12	8	0	9	13	9	12	10	0	0	0	0	0	1	0	11	0
September	8.5	S.	29	W.	0	5	1	5	4	15	9	14	7	0	9	18	3	9	9	0	0	0	1	0	0	0	2	0
October	12.9	S.	48	S.	3	1	2	5	7	19	14	13	1	0	3	7	21	17	14	4	0	1	0	0	0	2	2	0
November	10.4	W.	37	NW.	0	8	0	4	4	11	10	17	6	0	5	8	17	11	7	13	7	0	0	5	0	19	0	0
December	12.2	S.	48	SW.	4	3	6	6	8	11	9	7	12	0	3	10	18	16	10	21	13	0	0	21	0	29	0	1
Year.	11.8	S.	60	S.	25	38	40	53	51	174	108	162	104	0	59	136	170	184	142	108	71	2	1	63	4	141	43	1

TACOMA, WASH.

[H=213 ft.; h_t=113 ft.; h_r=104 ft.; h_a=120 ft.]

January	7.3	SW.	28	SW.	0	6	3	2	2	4	39	4	2	0	2	9	20	15	12	6	5	0	6	2	0	13	0	0
February	4.0	SW.	24	SW.	0	13	7	4	4	3	19	3	1	2	0	4	24	14	12	11	6	0	3	0	0	9	0	0
March	7.5	SW.	34	SW.	0	8	2	1	3	6	34	8	0	0	2	14	15	17	14	8	2	3	2	0	0	7	0	0
April	5.7	SW.	26	SW.	0	4	0	2	5	11	24	9	5	0	1	10	19	24	18	2	0	0	3	0	0	0	2	0
May	5.0	SW.	19	SW.	0	16	1	0	4	2	16	17	6	0	2	15	14	11	7	0	0	0	1	0	0	0	0	0
June	6.7	N.	32	SW.	0	25	0	1	0	2	19	7	6	0	4	13	13	11	9	0	0	0	0	0	0	0	0	0
July	6.0	N.	22	SW.	0	32	1	1	0	0	7	15	5	1	17	11	3	3	2	0	0	0	1	0	0	0	0	0
August	5.0	N.	24	W.	0	37	1	0	0	1	6	10	2	5	16	11	4	1	1	0	0	0	1	0	0	0	0	0
September	4.6	N.	25	W.	0	18	1	1	1	3	18	7	8	3	6	7	17	12	8	0	0	0	7	0	0	0	1	0
October	4.7	N.	34	SW.	0	23	7	1	9	4	11	3	4	0	3	8	20	6	2	0	0	0	7	0	0	0	0	0
November	3.9	SW.	18	W.	0	7	3	2	10	12	16	4	2	4	1	8	21	12	10	0	0	0	10	0	0	0	1	0
December	8.4	SW.	30	SW.	0	5	4	2	1	7	39	3	1	0	1	2	28	25	23	2	0	0	0	0	0	1	0	0
Year.	5.7	SW.	34	SW.	0	194	30	17	39	55	248	90	42	15	55	112	198	151	118	29	13	3	41	2	0	30	4	0

TAMPA, FLA.

[H=35 ft.; h_t=79 ft.; h_r=71 ft.; h_a=92 ft.]

January	5.8	NW.	26	SW.	0	5	11	6	6	5	10	7	11	1	12	16	3	4	4	0	0	0	11	0	0	0	1	0
February	7.2	SW.	35	NW.	0	9	9	3	4	8	10	7	8	0	13	12	3	5	4	0	0	0	3	0	0	3	2	0
March	7.0	NE.	24	SW.	0	4	15	6	7	2	11	9	7	1	17	12	2	3	3	0	0	0	2	0	0	0	1	0
April	6.8	NE.	35	SW.	0	4	16	8	2	3	8	6	12	1	14	13	3	5	5	0	0	1	0	0	0	0	5	0
May	6.9	NW.	36	W.	0	6	6	2	8	6	9	10	14	1	13	13	5	4	3	0	0	0	0	0	1	0	3	0
June	5.9	NE.	27	NE.	0	4	17	15	10	1	2	4	7	0	4	12	14	9	6	0	0	0	1	0	15	0	15	0
July	6.0	SE.	26	SE.	0	2	8	9	14	4	11	9	4	1	2	25	4	21	16	0	0	0	1	0	14	0	25	0
August	5.2	SE.	29	SE.	0	1	11	8	14	4	9	9	4	2	3	16	12	20	16	0	0	0	1	0	13	0	25	0
September	6.4	NE.	24	SW.	0	3	35	8	3	3	2	2	4	0	2	15	13	20	14	0	0	0	0	0	8	0	18	0
October	6.3	NE.	30	NW.	0	14	26	4	0	0	2	2	14	0	14	10	7	7	7	0	0	0	3	0	0	0	1	0
November	7.4	N.	26	W.	0	17	15	1	3	1	7	4	10	2	20	6	4	2	2	0	0	0	3	0	0	0	1	0
December	7.0	NE.	26	SW.	0	17	21	2	3	4	2	3	9	1	13	8	10	4	4	0	0	0	6	0	0	2	1	0
Year.	6.5	NE.	35	SW.	0	86	190	72	74	39	83	72	104	10	127	158	80	104	84	0	0	1	31	0	51	5	98	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

TATOOSH ISLAND, WASH.

[ϕ=48° 23′ N.; λ=124° 44′ 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	30.029	30.480	29.280	39.1	40.2	42.3	36.9	39.6	47	20	37	37	93	88	0.228	0.224	9.81	2.18		6.3	7.4	7.9
February	29.947	30.510	29.130	39.4	40.1	42.6	37.1	39.8	50	31	37	38	92	91	.226	.230	8.54	2.47		5.9	7.2	7.2
March	29.963	30.430	29.180	39.1	41.9	44.2	36.6	40.4	48	33	37	36	92	79	.220	.210	7.83	1.26		6.7	6.7	6.9
April	29.866	30.180	29.388	42.9	45.7	48.0	40.4	44.2	56	35	42	41	95	83	.262	.254	10.76	2.04		9.3	8.4	7.0
May	29.965	30.220	29.690	46.3	49.5	51.9	45.0	48.4	55	41	43	44	89	82	.281	.288	1.97	.85		8.4	6.2	6.3
June	30.043	30.400	29.730	49.1	53.3	55.4	47.7	51.6	66	43	47	48	92	85	.319	.341	2.91	.82		5.9	6.2	5.8
July	29.980	30.190	29.730	51.1	55.0	57.0	50.0	53.5	63	47	50	52	96	91	.360	.393	.90	.26		5.3	3.8	5.9
August	30.010	30.280	29.760	51.9	55.6	58.3	49.7	54.0	67	45	51	53	98	93	.376	.408	1.39	1.26		3.4	2.8	3.8
September	29.935	30.200	29.660	53.4	55.9	58.9	50.6	54.8	66	48	52	53	95	91	.387	.407	6.34	1.39		6.1	6.7	7.1
October	30.096	30.450	29.810	49.3	51.0	53.4	46.9	50.2	64	42	47	48	93	90	.330	.337	5.35	2.83		5.5	6.6	6.0
November	29.958	30.320	29.340	49.4	49.5	52.8	46.0	49.4	60	38	47	46	91	90	.322	.320	7.66	1.42		6.0	6.7	6.7
December	29.879	30.440	29.080	44.8	45.0	48.4	41.3	44.8	58	34	42	42	90	90	.273	.277	18.91	3.04		8.1	8.5	8.8
Year	29.973	30.510	29.080	46.3	48.6	51.1	44.0	47.6	67	20	44	45	93	88	.298	.307	82.37	3.04		6.4	6.4	6.5

TAYLOR, TEX.

[ϕ=30° 35′ N.; λ=97° 20′ W.]

January	29.510	29.910	29.020	45.1	.....	61.7	41.2	51.4	84	22	40	....	83	....	0.282	.....	0.42	0.15		6.8	.....	6.3
February	29.528	30.191	29.130	44.6	.....	67.0	40.6	53.8	89	14	38	....	79	....	.267	.....	.78	.44		4.9	.....	4.4
March	29.468	29.960	29.060	52.5	.....	71.5	49.4	60.4	89	23	44	....	75	....	.346	.....	.16	.05		7.1	.....	5.8
April	29.357	29.670	28.990	57.6	.....	78.2	54.2	66.2	87	41	52	....	81	....	.418	.....	2.56	1.26		5.2	.....	4.2
May	29.348	29.650	28.990	61.9	.....	79.8	59.2	69.5	95	45	57	....	84	....	.483	.....	1.70	.73		5.9	.....	4.8
June	29.412	29.650	29.120	73.4	.....	93.8	70.0	81.9	98	58	66	....	78	....	.652	.....	.31	.31		2.3	.....	2.7
July	29.387	29.550	29.160	75.8	.....	96.3	73.0	84.6	106	67	70	....	83	....	.738	.....	1.84	.85		3.2	.....	3.9
August	29.396	29.540	29.100	74.6	.....	96.8	72.9	84.8	105	62	68	....	79	....	.685	.....	1.00	.42		2.0	.....	3.3
September	29.434	29.570	29.230	68.1	.....	87.8	66.5	77.2	94	54	64	....	86	....	.614	.....	3.87	1.87		3.5	.....	3.7
October	29.487	29.920	28.960	55.2	.....	79.8	52.4	66.1	94	27	45	....	70	....	.347	.....	.74	.71		2.3	.....	1.7
November	29.616	29.910	29.310	47.9	.....	72.1	46.4	59.2	80	36	40	....	74	....	.256	.....	1.18	1.13		2.0	.....	2.3
December	29.592	30.000	28.940	39.3	.....	55.4	35.8	45.6	80	14	34	....	80	....	.232	.....	.03	.02		5.6	.....	5.1
Year	29.461	30.191	28.940	58.0	.....	78.4	55.1	66.7	106	14	52	....	79	....	.443	.....	14.59	1.87		4.3	.....	4.0

TERRE HAUTE, IND.

[ϕ=39° 29′ N.; λ=87° 24′ W.]

January	29.421	30.170	28.720	27.0	33.5	40.3	22.7	31.5	67	4	23	26	84	74	0.135	0.149	2.76	1.98		5.6	5.8	6.5
February	29.460	30.090	28.930	22.4	29.1	36.0	16.7	26.4	68	−10	17	19	78	66	.112	.107	.76	.40		8.2	4.8	7.4
March	29.421	29.870	28.900	36.7	46.3	52.4	33.9	43.2	75	13	30	31	76	57	.176	.179	3.79	2.01		5.8	6.3	6.8
April	29.351	29.740	28.800	45.2	55.0	60.3	41.6	51.0	84	28	40	42	83	62	.259	.283	3.95	1.19		6.7	6.8	6.9
May	29.312	29.600	28.720	52.0	60.9	66.6	48.1	57.4	86	35	45	46	78	62	.312	.338	6.29	2.56		5.5	6.9	6.5
June	29.382	29.720	29.030	65.1	74.2	78.9	60.2	69.6	92	43	57	59	76	61	.478	.512	6.38	3.38		5.6	6.4	5.7
July	29.340	29.510	28.950	69.6	80.0	85.0	66.2	75.6	94	55	63	64	79	58	.582	.598	4.02	2.29		4.2	5.3	5.4
August	29.390	29.570	29.050	66.0	76.4	82.0	63.3	72.6	96	51	60	63	82	64	.528	.579	1.99	.53		4.4	6.0	5.4
September	29.475	29.790	29.190	57.5	69.8	76.9	54.7	65.8	91	39	52	55	83	59	.407	.442	.77	.71		3.8	3.8	4.3
October	29.398	29.770	28.869	42.2	50.8	57.5	38.5	48.0	82	25	36	37	80	60	.226	.225	4.35	1.96		5.6	6.0	6.5
November	29.558	30.000	28.830	37.9	47.0	52.3	36.2	44.2	70	26	34	36	84	67	.197	.210	.11	.05		6.1	5.0	5.4
December	29.616	30.120	29.050	20.1	25.2	31.1	15.9	23.5	56	− 8	16	18	84	75	.108	.112	.96	.36		8.5	5.1	7.4
Year	29.427	30.170	28.720	45.1	54.0	59.9	41.5	50.7	96	−10	39	41	81	64	.293	.311	36.13	3.38		5.8	5.7	6.2

THOMASVILLE, GA.

[ϕ=30° 48′ N.; λ=83° 58′ W.]

January	29.835	30.163	29.360	52.4	58.9	68.0	48.5	58.2	78	27	49	50	89	75	0.375	0.392	6.61	2.95		6.0	4.8	6.0
February	29.853	30.310	29.435	46.7	55.7	64.0	42.5	53.2	80	13	40	42	78	61	.314	.319	3.74	1.04		5.9	2.4	5.5
March	29.848	30.100	29.520	56.3	64.1	74.3	51.4	62.8	83	30	50	48	81	58	.405	.365	1.98	.96		6.1	4.0	5.1
April	29.703	30.030	29.250	61.3	70.5	80.0	56.2	68.1	90	42	55	53	80	56	.448	.418	1.55	.65		4.0	3.5	4.2
May	29.682	29.870	29.390	64.7	72.7	81.7	58.9	70.3	91	45	55	54	71	56	.453	.451	3.23	1.05		3.6	3.1	4.2
June	29.774	29.940	29.490	73.7	79.9	90.5	68.4	79.4	98	56	66	65	78	62	.653	.621	2.59	.90		4.4	5.9	4.9
July	29.746	29.950	29.470	76.2	78.9	89.6	71.1	80.4	95	67	72	72	86	79	.774	.771	9.11	1.97		5.5	7.0	6.3
August	29.712	29.870	29.470	74.3	79.3	89.4	71.3	80.4	95	65	70	71	87	76	.742	.760	8.95	4.29		5.4	7.2	6.2
September	29.707	29.900	29.320	70.0	74.7	83.7	66.7	75.2	95	58	66	65	86	73	.640	.629	2.15	1.38		5.6	5.2	6.3
October	29.764	29.920	29.540	56.1	65.3	76.4	52.5	64.4	87	33	50	52	79	63	.389	.418	.35	.31		3.9	1.9	3.6
November	29.806	30.260	29.250	45.8	57.8	67.9	43.9	55.9	80	29	33	38	75	50	.244	.244	.61	.36		2.5	1.1	2.5
December	29.893	30.200	29.330	39.9	46.9	56.1	35.9	46.0	74	20	35	35	84	64	.230	.221	1.82	.72		4.9	4.2	5.1
Year	29.782	30.310	29.250	59.8	67.1	76.8	55.6	66.2	98	13	54	54	81	64	.472	4.67	42.69	4.29		4.8	4.2	5.0

Annual meteorological summary for the year ending December 31, 1917—Continued.

TATOOSH ISLAND, WASH.

[H=86 ft.; h_t=7 ft.; h_r=4 ft.; h_a=57 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.	Thunderstorm.	Auroras.
	Miles		*Mi.*																									
January	16.3	S.	64	W.	10	2	11	5	8	16	6	12	2	0	5	3	23	22	21	6	5	0	0	1	0	4	0	0
February	16.6	E.	62	W.	9	1	20	8	8	9	4	3	3	0	6	5	17	17	16	9	8	0	1	0	0	5	0	1
March	17.6	W.	70	SW.	12	0	6	12	8	12	10	12	2	0	6	16	9	24	18	11	5	1	0	0	0	0	0	0
April	13.7	E.	52	S.	7	2	5	17	10	8	11	6	1	0	4	9	17	26	23	2	0	0	1	0	0	0	0	0
May	9.8	SW.	28	NE.	0	0	3	7	4	12	17	17	2	0	2	18	11	11	8	0	0	0	2	0	0	0	0	0
June	11.0	SW.	43	NE.	2	1	5	1	3	16	21	10	3	0	8	7	15	11	9	0	0	0	5	0	0	0	1	0
July	11.3	S.	44	S.	3	0	3	0	0	30	22	7	0	0	8	8	15	9	6	0	0	0	16	0	0	0	0	0
August	11.6	S.	35	S.	0	1	4	4	1	30	12	6	2	2	19	5	7	6	3	0	0	0	24	0	0	0	0	0
September	10.4	S.	48	S.	1	4	10	11	7	17	3	6	2	0	4	8	18	15	12	0	0	0	7	0	0	0	0	0
October	15.1	E.	54	S.	9	1	12	13	2	12	9	9	4	0	10	6	15	18	13	0	0	0	12	0	0	0	0	0
November	16.7	E.	58	S.	12	0	11	22	5	12	4	4	2	0	7	8	15	23	19	1	0	2	3	0	0	0	1	0
December	21.7	E.	68	S.	17	4	3	19	1	10	9	8	8	0	2	4	25	28	26	1	1	1	4	0	0	0	0	0
Year	14.5	S.	70	SW.	82	16	93	119	57	184	128	100	31	2	81	97	187	210	174	30	19	4	75	1	0	9	2	1

TAYLOR, TEX.

[H=583 ft.; h_t=55 ft.; h_r=48 ft.; h_a=63 ft.]

January	9.5	SW.	39	SW.	0	8	3	0	2	6	8	1	2	1	5	12	14	7	4	1	0	0	1	2	0	10	0	0
February	10.5	N.	39	NE.	0	8	1	0	1	6	5	2	4	1	13	8	7	6	4	0	0	0	3	1	0	7	1	0
March	13.2	S.	41	S.	2	11	1	0	2	11	4	1	0	1	9	9	13	7	1	1	0	0	0	0	0	2	1	0
April	12.2	SE.	44	SW.	2	6	2	1	7	5	4	2	3	0	13	10	7	6	5	0	0	0	0	0	0	0	6	0
May	11.5	NE.	43	SW.	1	8	8	0	2	9	3	0	1	0	11	12	8	8	6	0	0	0	0	0	0	4	0	0
June	11.3	S.	33	SW.	0	1	3	1	1	11	13	0	0	0	18	12	0	1	1	0	0	0	0	0	27	0	3	0
July	10.0	S.	38	N.	0	1	0	0	5	11	14	0	0	0	11	19	1	7	6	0	0	0	1	0	30	0	8	0
August	8.5	S.	33	NE.	0	4	1	1	0	16	9	0	0	0	16	15	0	6	5	0	0	0	0	0	29	0	5	0
September	6.4	NE.	34	SE.	0	7	5	2	3	8	0	0	2	3	16	8	6	7	6	0	0	0	0	0	10	0	4	0
October	9.5	S.	38	SW.	0	10	2	1	1	5	8	1	2	1	26	3	2	2	1	0	0	0	0	0	5	1	1	0
November	6.9	S.	27	N.	0	5	3	0	5	2	3	2	7	3	22	5	3	2	2	0	0	0	1	0	0	1	1	0
December	9.8	N.	44	N.	1	16	4	0	1	4	6	0	0	0	10	12	9	2	0	0	0	0	0	1	0	13	0	0
Year	9.9	S.	44	N.	6	85	33	6	30	94	77	9	21	10	170	125	70	61	41	2	1	1	5	4	105	33	34	0

TERRE HAUTE, IND.

[H=575 ft.; h_t=96 ft.; h_r=84 ft.; h_a=129 ft.]

January	10.6	SW.	39	W.	0	2	4	5	9	11	13	4	14	0	4	16	11	9	6	9	5	0	3	9	0	26	0	0
February	12.3	NW.	42	NW.	1	9	7	2	3	6	12	1	16	0	1	16	11	5	2	6	4	1	0	10	0	28	2	0
March	15.4	SW.	40	SW.	1	5	4	3	10	12	8	8	12	0	6	14	11	12	9	5	2	0	1	2	0	11	6	0
April	12.5	NW.	43	SW.	3	7	8	6	8	12	4	5	10	0	4	12	14	12	10	1	1	0	0	0	0	4	4	0
May	10.9	NW.	36	NW.	0	14	7	3	3	6	11	9	9	0	4	13	14	14	12	1	0	2	1	0	0	0	8	0
June	9.8	SW.	35	SW.	0	3	5	2	12	14	12	4	8	0	4	21	5	11	8	0	0	0	0	1	0	0	7	0
July	7.7	SW.	30	NW.	0	8	5	6	5	15	11	3	9	0	5	21	5	7	6	0	0	0	1	0	7	0	7	0
August	7.3	NE.	30	SW.	0	13	8	4	5	11	7	4	10	0	7	20	4	10	9	0	0	0	1	0	4	0	10	0
September	8.0	NE.	28	NW.	0	14	11	4	9	14	1	1	6	0	12	14	4	2	2	0	0	0	1	0	1	0	4	0
October	10.9	NW.	44	SW.	1	4	2	1	16	8	10	8	13	0	5	13	13	9	7	4	1	0	1	0	0	7	2	0
November	8.0	SW.	32	N.	0	11	5	4	8	9	9	4	10	0	10	8	12	5	1	4	0	0	2	1	0	9	0	0
December	9.8	NW.	34	NW.	0	8	7	6	9	10	7	3	12	0	3	12	16	11	9	10	10	0	0	15	0	24	0	0
Year	10.3	NW.	44	SW.	6	98	73	46	97	128	105	54	129	0	65	180	120	107	81	40	23	3	11	37	13	109	50	0

THOMASVILLE, GA.

[H=273 ft.; h_t=49 ft.; h_r=41 ft.; h_a=58 ft.]

January	5.1	SW.	22	SW.	0	3	11	6	0	14	15	4	8	1	10	8	13	9	9	0	0	0	0	0	0	2	2	0
February	5.8	SW.	29	NW.	0	2	10	1	0	15	14	2	11	1	10	4	14	9	7	0	0	0	5	0	0	6	6	0
March	5.6	SW.	28	SW.	0	10	9	5	0	16	12	3	6	1	10	13	8	6	5	0	0	0	3	0	0	2	3	0
April	4.5	SW.	28	SW.	0	7	4	6	0	9	21	3	8	2	13	12	5	9	6	0	0	0	0	0	1	0	5	0
May	5.0	SW.	28	SW.	0	10	5	3	0	7	17	2	16	2	14	11	6	7	6	0	0	1	0	0	4	0	7	0
June	3.9	SW.	22	E.	0	7	6	4	2	15	17	4	5	0	11	15	4	11	7	0	0	0	0	0	21	0	13	0
July	3.7	SW.	19	N.	0	3	3	3	3	14	21	8	6	1	3	19	9	17	15	0	0	0	0	0	18	0	22	0
August	3.1	NE.	24	SW.	0	7	13	11	0	9	9	5	5	3	3	21	7	14	12	0	0	0	0	0	16	0	12	0
September	4.8	NE.	17	NE.	0	8	26	13	0	2	3	2	2	2	8	8	14	10	5	0	0	0	0	0	10	0	3	0
October	4.0	N.	15	NW.	0	23	16	8	0	3	3	3	3	3	19	5	7	4	1	0	0	0	0	0	0	0	0	0
November	4.2	NW.	18	SW.	0	13	6	5	0	9	5	6	13	3	22	3	5	3	2	0	0	0	0	0	0	1	0	0
December	4.6	NE.	18	SW.	0	14	24	2	0	6	3	2	9	2	12	7	12	9	8	1	1	0	1	1	0	11	1	0
Year	4.5	SW.	29	NW.	0	107	135	67	5	119	140	44	92	21	135	126	104	108	83	1	1	1	10	1	70	22	74	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

TOLEDO, OHIO.

[ϕ=41° 40′ N.; λ=83° 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	29.319	30.140	28.570	22.1	27.2	33.6	17.6	25.6	47	−2	18	21	82	77	0.107	0.119	2.64	1.50	6.3	6.1	5.9
February	29.335	30.040	28.710	18.0	23.3	30.5	12.9	21.7	58	−10	13	17	81	73	.088	.100	.63	.23	7.4	5.2	5.9
March	29.334	29.820	28.740	33.2	39.9	46.2	29.4	37.8	70	9	26	29	75	66	.147	.170	4.25	1.34	7.0	6.6	6.0
April	29.311	29.690	28.630	41.7	47.2	53.4	36.9	45.2	80	24	34	36	73	66	.204	.227	3.39	1.11	6.5	6.2	6.2
May	29.222	29.502	28.610	48.4	54.8	60.7	44.5	52.6	85	34	41	42	74	65	.266	.275	4.58	1.45	5.7	6.3	6.3
June	29.324	29.681	28.920	62.2	68.6	75.0	57.2	66.1	89	46	55	56	78	66	.441	.463	5.32	1.26	5.5	4.9	5.1
July	29.278	29.490	28.950	69.5	75.3	81.5	64.8	73.2	97	53	62	62	79	65	.576	.572	1.51	.43	3.3	4.4	3.8
August	29.336	29.560	28.900	66.6	72.5	79.8	62.5	71.2	96	50	59	59	77	64	.501	.505	1.83	.59	4.0	5.0	4.1
September	29.462	29.720	29.050	56.8	63.9	71.1	53.3	62.2	84	40	50	53	80	70	.373	.416	1.27	.72	2.9	2.8	3.2
October	29.329	29.680	28.720	41.8	46.5	52.8	38.2	45.5	68	28	36	37	81	72	.221	.232	5.51	1.74	7.0	7.2	7.1
November	29.486	29.990	28.520	35.4	41.1	47.2	31.7	39.4	67	14	30	32	82	71	.173	.188	.36	.18	5.6	4.9	5.1
December	29.541	30.030	28.630	18.9	22.8	28.7	15.2	22.0	50	−5	15	17	84	77	.097	.101	.90	.53	6.8	5.5	6.0
Year	29.356	30.140	28.520	43.0	48.6	55.0	38.7	46.9	97	−10	37	38	79	69	.266	.281	32.19	1.74	5.7	5.4	5.4

TONOPAH, NEV.

[ϕ=38° 4′ N.; λ=117° 14′ W.]

January	24.086	24.390	23.735	18.1	22.5	27.5	13.7	20.6	43	−7	13	17	79	77	0.077	0.094	0.50	0.29	2.0	3.2	3.3
February	24.064	24.440	23.400	27.7	35.9	40.2	24.1	32.2	49	9	20	22	71	56	.106	.117	.42	.38	2.9	3.9	3.6
March	24.056	24.450	23.610	26.2	40.1	43.3	22.6	33.0	66	10	16	12	64	31	.089	.075	.03	.03	1.4	4.2	3.6
April	23.980	24.320	23.540	35.5	50.8	53.8	32.8	43.3	71	19	22	21	59	34	.118	.112	1.22	.94	3.4	3.8	3.9
May	23.956	24.190	23.716	40.5	54.8	58.3	38.1	48.2	72	30	29	25	66	36	.164	.141	.39	.13	3.6	5.1	4.8
June	24.118	24.335	23.845	56.1	78.2	79.8	54.6	67.2	89	35	28	27	34	16	.155	.147	0	0	0.1	1.4	1.0
July	24.127	24.300	23.969	66.2	84.9	88.9	64.6	76.8	96	56	42	41	45	25	.279	.271	.31	.22	1.4	4.5	3.1
August	24.167	24.260	24.020	64.1	79.7	83.1	61.6	72.4	89	54	38	37	41	24	.238	.227	.58	.32	2.1	3.2	2.8
September	24.140	24.260	23.910	56.1	72.2	74.8	53.7	64.2	83	35	30	32	42	24	.175	.181	.13	.09	0.7	2.3	1.8
October	24.203	24.400	23.958	50.2	64.3	68.0	47.5	57.8	81	26	22	22	33	20	.122	.121	T.	T.	0.2	1.6	1.3
November	24.201	24.480	23.854	39.5	47.1	50.7	36.5	43.6	64	28	23	24	54	44	.125	.132	.63	.60	2.6	3.3	3.5
December	24.180	24.400	23.918	36.2	44.1	47.5	33.7	40.6	58	19	21	23	53	43	.112	.122	0	0	2.5	2.3	3.2
Year	24.106	24.480	23.400	43.0	56.2	59.7	40.3	50.0	96	−7	25	25	53	36	.147	.145	4.21	.94	1.9	3.2	3.0

TOPEKA, KANS.

[ϕ=39° 3′ N.; λ=95° 41′ W.]

January	.....	.....	.....	.....	32.5	41.8	20.6	31.2	67	−8	.....	.....	.....	.....	.....	.....	0.31	0.18	.....	.....	4.3
February	.....	.....	.....	.....	33.2	42.3	17.4	29.8	74	−12	.....	.....	.....	.....	.....	.....	T.	T.	.....	.....	4.0
March	.....	.....	.....	.....	49.4	56.1	31.8	44.0	83	9	.....	.....	.....	.....	.....	.....	1.04	.67	.....	.....	3.7
April	.....	.....	.....	.....	56.4	61.8	42.0	51.9	85	28	.....	.....	.....	.....	.....	.....	4.35	1.71	.....	.....	6.1
May	.....	.....	.....	.....	63.2	67.3	48.5	57.9	87	35	.....	.....	.....	.....	.....	.....	4.30	1.81	.....	.....	5.1
June	.....	.....	.....	.....	78.1	83.6	61.6	72.6	102	48	.....	.....	.....	.....	.....	.....	3.04	1.41	.....	.....	2.9
July	.....	.....	.....	.....	87.3	92.3	68.4	80.4	102	58	.....	.....	.....	.....	.....	.....	.57	.26	.....	.....	2.4
August	.....	.....	.....	.....	77.9	83.0	62.7	72.8	99	50	.....	.....	.....	.....	.....	.....	5.58	1.42	.....	.....	3.5
September	.....	.....	.....	.....	71.5	78.7	57.5	68.1	95	42	.....	.....	.....	.....	.....	.....	5.38	4.47	.....	.....	3.6
October	.....	.....	.....	.....	52.3	61.3	38.1	49.7	85	20	.....	.....	.....	.....	.....	.....	1.15	.48	.....	.....	3.8
November	.....	.....	.....	.....	49.7	58.1	37.1	47.6	76	21	.....	.....	.....	.....	.....	.....	.05	.03	.....	.....	3.8
December	.....	.....	.....	.....	24.8	32.9	14.7	23.8	70	−9	.....	.....	.....	.....	.....	.....	.19	.12	.....	.....	5.7
Year	.....	.....	.....	.....	56.4	63.3	41.7	52.5	102	−12	.....	.....	.....	.....	.....	.....	25.96	4.47	.....	.....	4.1

TRENTON, N. J.

[ϕ=40° 13′ N.; λ=74° 46′ W.]

January	29.821	30.532	29.130	28.5	33.0	40.0	24.7	32.4	55	8	21	24	73	69	0.124	0.139	3.10	1.50	6.8	4.8	6.5
February	29.766	30.331	29.040	24.4	29.9	36.9	20.1	28.5	59	0	17	20	73	64	.110	.118	1.47	.43	7.1	4.5	6.5
March	29.870	30.337	29.340	36.0	39.6	46.8	31.5	39.2	69	18	29	30	75	70	.167	.170	3.45	.81	5.5	3.8	5.5
April	29.753	30.240	29.040	43.9	49.4	58.3	39.9	49.1	80	25	35	36	71	63	.211	.227	2.29	.83	6.2	5.4	5.4
May	29.637	30.054	29.350	51.2	54.9	63.0	46.1	54.6	85	38	40	40	69	61	.258	.255	2.90	1.17	6.4	6.3	6.8
June	29.803	30.111	29.480	66.5	71.6	80.4	60.6	70.5	88	52	60	60	80	68	.518	.525	3.15	1.07	6.0	7.6	6.4
July	29.769	29.999	29.450	71.2	75.2	83.2	67.0	75.1	98	59	66	66	84	74	.642	.653	4.24	1.39	7.2	7.3	7.0
August	29.813	30.110	29.360	70.7	74.5	84.0	65.7	74.8	95	53	64	64	80	71	.605	.604	2.11	1.30	4.9	5.3	4.9
September	29.906	30.290	29.380	58.0	62.4	71.0	53.0	62.0	81	40	51	52	79	69	.390	.398	3.89	1.69	5.3	4.5	5.4
October	29.848	30.161	29.210	47.0	51.1	61.3	41.8	51.6	79	29	42	42	81	74	.274	.282	5.30	1.32	4.5	4.2	4.9
November	29.887	30.417	29.160	35.3	42.1	48.7	32.5	40.6	65	19	27	30	72	63	.152	.175	1.02	.92	3.8	3.0	3.4
December	30.010	30.530	29.017	21.7	25.9	31.6	17.8	24.7	47	−7	16	18	78	71	.098	.108	1.55	.69	6.1	5.5	6.0
Year	29.824	30.532	29.017	46.2	50.8	58.8	41.7	50.3	98	−7	39	40	76	68	.296	.304	34.47	1.69	5.8	5.2	5.7

Annual meteorological summary for the year ending December 31, 1917—Continued.

TOLEDO, OHIO.

[H=628 ft.; h_t=208 ft.; h_r=201 ft.; h_a=243 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. Thunderstorm.	Auroras.
	Miles		*Mi.*																									
January	15.6	SW.	56	SW.	3	5	3	3	3	7	26	9	6	0	8	9	14	13	8	15	8	0	1	12	0	29	0	0
February	16.3	SW.	41	SW.	3	3	3	2	2	3	21	9	13	0	8	11	9	10	5	15	8	0	0	14	0	26	1	0
March	19.5	SW.	60	SW.	11	4	6	1	7	14	13	11	6	0	10	7	14	15	13	9	7	1	0	4	0	19	5	0
April	14.9	SW.	47	SW.	4	5	8	6	4	6	11	8	12	0	5	11	14	10	10	2	1	1	0	0	0	10	4	0
May	16.1	NW.	58	SW.	6	8	8	6	1	3	7	11	18	0	6	13	12	15	12	1	1	3	0	0	0	0	7	0
June	13.1	SW.	48	SW.	3	4	4	6	1	13	18	5	9	0	9	13	8	12	11	0	0	0	1	0	0	0	10	0
July	11.6	SW.	41	SW.	1	1	4	8	3	4	23	6	13	0	17	11	3	10	8	0	0	1	0	0	3	0	8	0
August	10.8	SW.	39	SW.	0	6	2	13	3	3	14	9	12	0	13	13	5	11	7	0	0	0	0	0	2	0	7	0
September	11.2	NE.	44	SW.	1	9	9	10	3	10	5	6	8	0	19	7	4	6	4	0	0	0	3	0	0	0	5	0
October	14.8	SW.	45	SW.	4	3	2	9	4	13	15	8	8	0	4	11	16	19	14	3	2	1	0	0	0	2	4	0
November	11.7	SW.	38	NW.	0	4	7	5	4	3	14	12	11	0	13	4	13	5	4	5	2	0	2	3	0	12	0	0
December	13.4	NW.	46	SW.	3	7	1	7	6	6	15	4	16	0	8	11	12	9	5	12	8	0	0	18	0	27	0	0
Year	14.1	SW.	60	SW.	39	59	57	76	41	85	182	98	132	0	120	121	124	135	101	62	37	7	7	51	5	125	51	0

TONOPAH, NEV.

[H=6090 ft.; h_t=12 ft.; h_r=9 ft.; h_a=20 ft.]

January	7.8	W.	38	NW.	0	0	0	4	8	1	2	27	19	1	18	8	5	4	3	6	4	0	3	21	0	31	0	0
February	9.9	SE.	45	SE.	2	1	1	0	18	4	2	13	16	1	17	8	3	3	3	3	3	0	0	3	0	27	0	0
March	10.2	NW.	38	NW.	0	1	0	1	12	1	0	14	33	0	15	13	3	1	0	5	1	0	0	6	0	27	0	0
April	10.1	NW.	48	W.	1	0	0	0	13	3	2	13	29	0	14	12	4	5	3	7	5	1	0	0	0	14	0	0
May	11.4	NW.	42	NW.	2	3	2	1	12	2	0	14	26	2	12	10	9	5	5	1	0	0	1	0	0	3	2	0
June	8.5	W.	34	W.	0	2	0	1	10	2	3	24	17	1	26	4	0	0	0	0	0	0	0	0	0	0	0	0
July	7.4	SE.	28	SE.	0	1	1	0	23	2	1	21	13	0	17	13	1	4	2	0	0	0	0	0	16	0	3	0
August	6.7	SE.	38	SE.	0	0	1	2	25	7	3	11	13	0	18	11	2	5	4	0	0	1	0	0	0	0	4	1
September	8.4	SE.	36	NW.	0	3	0	1	28	3	4	11	10	0	23	7	0	2	2	0	0	0	0	0	0	0	2	0
October	6.3	W.	34	NW.	0	0	0	1	11	5	3	23	19	0	27	4	0	0	0	0	0	0	0	0	0	3	0	0
November	7.4	SE.	36	NW.	0	0	0	0	24	5	3	20	8	0	16	8	6	3	2	3	2	0	0	0	0	6	0	0
December	6.0	W.	39	NW.	0	0	0	0	15	4	7	24	12	0	20	6	5	0	0	0	0	0	0	0	0	11	0	0
Year	8.3	W.	48	W.	5	11	5	11	199	39	30	215	215	5	223	104	38	32	24	25	15	2	4	30	16	122	11	1

TOPEKA, KANS.

[H=—— ft.; h_t=85 ft.; h_r=76 ft.; h_a=101 ft.]

January	10.8	NW.	44	NW.	2	3	5	3	3	4	5	5	3	0	15	9	7	3	2	7	1	0	3	7	0	27	0	0
February	11.7	NW.	49	NW.	1	7	5	3	3	3	3	1	3	0	10	16	2	0	0	3	0	0	0	5	0	27	0	0
March	14.3	NW.	44	W.	6	4	8	2	3	3	4	5	4	0	15	9	7	6	3	4	1	1	1	1	0	15	3	0
April	12.9	NE.	37	NW.	0	6	6	3	5	3	3	0	4	0	8	7	15	12	10	2	1	2	0	0	0	4	8	0
May	9.9	NE.	35	SE.	0	5	8	2	4	6	3	2	1	0	12	8	11	11	8	0	0	1	1	0	0	0	6	0
June	11.0	SE.	60	SW.	1	4	4	2	8	6	2	1	3	0	18	10	2	8	5	0	0	2	1	0	9	0	7	0
July	9.0	S.	33	NW.	0	5	4	4	5	6	3	2	2	0	20	10	1	7	5	0	0	2	0	0	21	0	9	0
August	7.0	S.	38	N.	0	6	4	5	6	8	1	0	1	0	18	7	6	13	13	0	0	1	3	0	4	0	14	0
September	7.8	SE.	24	N.	0	3	6	3	11	4	0	0	3	0	15	10	5	6	6	0	0	0	1	0	1	0	6	0
October	11.4	SE.	37	SE.	0	5	4	1	8	4	3	1	5	0	16	9	6	7	6	3	1	0	0	1	0	12	1	0
November	9.2	S.	46	NW.	1	6	1	4	5	9	1	2	2	0	15	9	6	3	0	1	0	0	4	0	0	11	0	0
December	10.3	N.	42	NW.	1	7	4	3	2	7	2	3	3	0	6	14	11	3	2	9	3	0	1	15	0	26	0	0
Year	10.4	SE.	60	SW.	12	61	57	35	63	63	30	22	34	0	168	118	79	79	60	29	7	9	15	29	35	122	54	0

TRENTON, N. J.

[H=190 ft.; h_t=159 ft.; h_r=152 ft.; h_a=183 ft.]

January	11.8	W.	51	SW.	3	6	1	5	5	7	7	15	16	0	8	8	15	13	11	10	5	0	4	8	0	25	0	0
February	14.0	NW.	53	NW.	6	5	5	2	2	7	10	12	13	0	7	9	12	12	10	8	5	0	3	8	0	25	0	0
March	13.5	W.	49	NW.	3	8	8	3	10	5	1	15	12	0	11	9	11	12	12	8	4	0	1	1	0	14	0	0
April	12.7	NW.	55	W.	3	12	8	7	4	3	5	7	14	0	11	10	9	11	8	2	2	0	0	0	0	4	2	0
May	13.2	NW.	45	NW.	1	16	8	5	7	4	2	8	12	0	6	10	15	12	7	0	0	0	0	0	0	0	5	0
June	9.9	S.	39	W.	0	9	2	2	11	16	9	5	6	0	6	10	14	10	8	0	0	0	3	0	0	0	7	0
July	9.5	SW.	52	W.	2	5	4	8	6	12	15	9	3	0	5	11	15	14	11	0	0	0	1	0	4	0	11	0
August	9.1	S.	44	NW.	1	3	6	3	8	12	15	7	8	0	14	8	9	8	6	0	0	1	1	0	2	0	8	0
September	9.8	NE.	34	N.	0	13	14	3	1	7	7	9	6	0	11	9	10	8	6	0	0	0	1	0	0	0	1	0
October	12.0	W.	48	NE.	2	6	6	4	8	10	5	10	12	1	12	11	8	10	9	0	0	0	3	0	0	1	2	0
November	10.4	NW.	31	NW.	0	12	4	3	3	3	4	11	19	1	17	6	7	4	2	4	2	0	0	3	0	15	0	0
December	13.8	N.	52	NW.	5	14	14	2	1	4	5	11	11	0	10	5	16	9	6	10	7	0	1	11	0	30	0	0
Year	11.6	NW.	55	W.	26	109	80	47	66	90	85	119	132	2	118	106	141	123	96	42	25	1	18	31	6	114	36	0

Annual meteorological summary for the year ending December 31, 1917—Continued.

VALENTINE, NEBR.

[ϕ=42° 50′ N.; λ=100° 32′ 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	27.245	27.900	26.790	14.2	22.2	31.5	7.7	19.6	52	−24	11	16	86	76	0.075	0.097	0.51	0.27	4.1	3.5	4.2
February	27.324	27.900	26.570	10.6	22.2	31.3	4.7	18.0	52	−32	8	17	88	81	.069	.101	.37	.18	6.4	6.8	6.0
March	27.260	27.840	26.720	22.0	32.9	39.3	18.6	29.0	79	− 3	20	25	90	75	.107	.137	1.16	.56	5.1	6.1	5.1
April	27.260	27.560	26.820	33.1	46.3	50.7	30.7	40.7	79	22	30	32	88	63	.165	.186	2.36	.83	6.6	5.7	6.1
May	27.268	27.654	26.860	43.3	56.8	61.4	39.9	50.6	84	28	39	39	84	57	.241	.249	5.29	1.51	5.3	6.3	6.0
June	27.275	27.760	26.690	55.7	73.1	78.0	50.6	64.3	99	37	48	47	77	43	.346	.336	1.13	.34	3.9	4.3	4.2
July	27.257	27.520	26.957	65.2	86.1	90.2	61.2	75.7	103	48	56	52	74	32	.463	.398	.84	.38	1.8	2.6	2.7
August	27.338	27.670	26.990	57.6	76.6	82.1	54.1	68.1	98	44	51	51	80	42	.379	.378	.95	.46	2.3	3.6	4.0
September	27.363	27.702	27.090	51.4	68.2	74.7	49.4	62.0	92	38	47	49	85	53	.331	.361	2.23	1.13	4.4	3.4	4.8
October	27.320	27.890	26.870	33.2	47.0	55.9	27.1	41.5	80	5	26	28	77	50	.152	.161	.20	.08	5.0	3.7	5.4
November	27.420	27.820	27.080	32.9	47.8	57.9	29.0	43.4	79	14	28	33	81	59	.151	.190	.07	.04	4.1	3.6	4.4
December	27.375	28.010	26.850	12.1	20.3	31.1	5.2	18.2	68	−25	10	15	89	80	.083	.104	.45	.11	5.5	4.8	6.2
Year	27.309	28.010	26.570	35.9	50.0	57.0	31.5	44.3	103	−32	31	34	83	59	.214	.225	15.56	1.51	4.5	4.5	4.9

VICKSBURG, MISS.

[ϕ=32° 22′ N.; λ=90° 53′ W.]

January	29.851	30.340	29.400	47.6	53.6	59.1	43.3	51.2	79	21	45	45	92	75	0.337	0.329	4.21	1.65	7.2	6.0	6.9
February	29.879	30.470	29.460	44.8	54.6	62.0	41.7	51.8	81	17	38	40	77	60	.279	.286	6.49	2.99	4.8	5.5	4.8
March	29.842	30.190	29.550	52.3	62.0	67.6	49.4	58.5	83	28	45	45	78	57	.335	.333	5.31	1.49	5.3	4.5	5.1
April	29.731	30.002	29.420	57.5	67.4	73.2	54.6	63.9	85	40	52	52	82	62	.409	.415	7.75	2.87	5.0	5.2	5.0
May	29.725	29.960	29.410	61.5	72.5	76.7	58.3	67.5	89	49	54	53	77	52	.443	.426	2.15	.94	4.2	4.1	4.3
June	29.783	30.010	29.560	71.9	83.4	88.2	68.0	78.1	94	54	65	62	79	51	.631	.579	.80	.56	2.4	3.0	2.8
July	29.744	29.960	29.460	75.1	84.2	89.7	71.9	80.8	96	67	71	70	88	64	.763	.734	4.97	1.65	3.9	5.6	3.9
August	29.744	29.893	29.500	73.8	81.1	88.1	71.1	79.6	94	65	70	70	88	70	.740	.737	3.65	2.12	3.9	5.3	4.3
September	29.780	29.930	29.550	66.7	74.4	82.4	64.8	73.6	91	55	63	64	87	71	.586	.604	.50	.18	4.6	3.7	4.8
October	29.824	30.140	29.490	52.0	64.0	72.2	49.1	60.6	86	31	45	46	79	54	.335	.342	1.55	.66	2.4	1.7	1.9
November	29.956	30.300	29.480	46.7	58.9	65.3	44.4	54.8	76	29	38	37	73	48	.238	.227	.71	.49	2.9	2.1	2.7
December	29.954	30.320	29.210	37.5	45.4	51.1	34.2	42.6	72	10	33	35	84	68	.217	.224	1.85	1.07	6.1	5.0	6.2
Year	29.818	30.470	29.210	57.3	66.8	73.0	54.2	63.6	96	10	52	52	82	61	.443	.436	39.94	2.99	4.4	4.3	4.4

WAGON WHEEL GAP, COLO.

[ϕ=37° 46′ N.; λ=106° 53′ W.]

January				8.2		22.9	2.7	12.8	37	−15			68		0.041		1.37	0.75			0.2
February				15.0		28.8	9.5	19.2	39	−15			61		.052		.48	.26			3.9
March				14.1		31.2	5.7	18.4	53	− 8			57		.050		1.15	.24			2.9
April				27.3		41.7	18.3	30.0	56	1			63		.095		3.51	.98			4.9
May				36.9		46.8	26.4	36.6	62	11			60		.128		2.01	.43			5.8
June				51.1		66.8	35.9	51.4	78	22			47		.168		.17	.13			2.0
July				56.1		72.9	43.5	58.2	80	38			66		.292		2.16	.69			5.7
August				49.8		66.4	39.2	52.8	77	33			72		.258		1.74	.39			4.9
September				43.5		60.7	35.0	47.8	69	25			70		.202		1.03	.25			4.8
October				33.9		51.7	24.7	38.2	67	6			50		.103		.11	.09			2.7
November				22.8		40.7	18.4	29.6	49	8			64		.078		.80	.55			3.8
December				18.5		34.4	14.2	24.3	45	4			64		.063		.20	.18			2.6
Year				31.4		47.1	22.8	34.9	80	−15			62		.128		14.73	.98			3.7

WALLA WALLA, WASH.

[ϕ=46° 2′ N.; λ=118° 20′ W.]

January	29.093	29.570	28.450	32.0	36.6	40.1	28.0	34.0	57	9	25	28	76	73	0.137	0.150	1.05	0.34	6.3	7.6	7.6
February	29.037	29.530	28.260	34.1	39.1	42.7	31.1	36.9	59	14	28	32	78	72	.154	.175	1.12	.56	8.1	8.5	8.2
March	29.041	29.550	28.560	35.3	44.6	47.0	32.7	39.8	63	14	26	25	68	48	.137	.138	.52	.17	6.6	7.9	7.3
April	28.916	29.260	28.550	42.7	54.9	57.1	41.0	49.0	68	33	36	34	77	47	.213	.196	3.68	1.31	7.2	7.5	7.5
May	28.891	29.180	28.590	48.8	64.5	66.5	47.4	57.0	79	40	41	40	75	44	.261	.261	2.48	.86	6.1	4.9	5.2
June	28.987	29.290	28.600	55.3	74.6	76.8	52.8	64.8	95	44	41	39	61	30	.203	.245	.57	.33	4.1	3.2	3.7
July	28.861	29.160	28.550	64.3	90.2	91.8	62.5	77.2	106	50	44	41	49	19	.296	.268	T.	T.	2.2	2.1	1.9
August	28.915	29.200	28.690	64.2	89.9	91.2	62.5	76.8	100	54	42	39	45	18	.270	.242	T.	T.	1.4	1.5	1.2
September	28.918	29.210	28.662	58.0	75.5	78.0	55.6	66.8	91	46	45	46	63	37	.303	.313	1.31	.54	3.9	3.9	4.1
October	29.082	29.450	28.730	49.0	64.7	68.5	44.8	56.6	84	26	35	38	59	37	.209	.234	.01	.01	1.9	2.6	3.4
November	29.109	29.560	28.440	43.0	49.0	54.6	38.6	46.6	68	30	38	40	48	71	.227	.245	1.05	.58	4.5	6.5	6.0
December	28.994	29.400	28.430	45.6	47.2	52.5	39.7	46.1	67	20	36	38	70	72	.217	.238	4.11	1.35	8.9	9.1	9.0
Year	28.987	29.570	28.260	47.7	60.9	63.9	44.7	54.3	106	9	36	37	64	47	.224	.226	15.90	1.35	5.1	5.5	5.4

*Observation taken at 9 a. m. at Wagon Wheel Gap.

Annual meteorological summary for the year ending December 31, 1917—Continued.

VALENTINE, NEBR.

[H=2,598 ft.; h_t=47 ft.; h_r=36 ft.; h_a=54 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	W.	37	NW.	0	2	3	10	0	0	8	24	15	0	14	11	6	5	4	9	5	0	1	12	0	31	0	0
February	10.1	NW.	45	NW.	1	9	6	4	2	3	6	11	15	0	5	14	9	8	3	17	8	0	0	11	0	28	0	0
March	10.6	NW.	36	NW.	0	10	6	2	3	4	8	11	18	0	13	10	8	7	5	11	7	0	1	12	0	30	0	0
April	10.9	NW.	41	NW.	1	11	7	11	2	5	1	3	20	0	7	12	11	6	6	7	5	0	2	0	0	21	0	0
May	9.9	E.	39	E.	0	10	4	17	9	8	7	4	3	0	9	11	11	13	12	3	3	0	0	0	0	6	3	0
June	10.4	NW.	41	NW.	2	10	6	3	4	7	7	8	15	0	16	11	3	10	7	0	0	1	1	0	5	0	9	0
July	9.3	S.	38	S.	0	8	5	8	8	14	4	11	4	0	22	9	0	7	4	0	0	0	0	0	18	0	9	0
August	8.7	S.	31	S.	0	7	2	7	7	9	6	14	9	1	17	10	4	8	7	0	0	1	0	0	4	0	7	1
September	9.5	S.	31	SE.	0	7	3	9	9	12	3	6	11	0	11	10	9	9	7	0	0	0	2	0	1	0	4	0
October	11.7	NW.	39	NW.	0	6	2	2	4	1	9	12	26	0	9	12	10	3	3	7	1	0	0	2	0	19	0	0
November	7.8	W.	32	NW.	0	4	2	6	7	6	6	19	9	1	13	12	5	3	1	2	0	0	0	0	0	23	0	0
December	8.9	W.	42	NW.	1	8	4	4	6	5	14	10	11	0	8	11	12	13	4	19	13	0	2	16	0	30	0	0
Year	9.8	NW.	45	NW.	5	92	50	83	61	74	79	133	156	2	144	133	88	92	63	75	42	2	9	53	28	188	32	1

VICKSBURG, MISS.

[H=247 ft.; h_t=65 ft.; h_r=58 ft.; h_a=74 ft.]

January	7.9	SE.	31	SE.	0	6	9	3	15	7	12	0	10	0	8	4	19	18	10	0	0	0	3	1	0	6	3	0
February	8.7	SE.	29	NW.	0	4	7	0	13	12	8	2	10	0	12	5	11	9	8	0	0	0	1	0	0	9	5	0
March	8.9	SE.	41	NW.	1	5	5	2	25	8	5	0	12	0	12	6	13	13	12	1	0	2	0	0	0	2	9	0
April	7.8	SE.	31	NW.	0	3	8	5	17	10	7	2	8	0	12	9	9	8	6	0	0	1	0	0	0	0	7	0
May	7.7	SE.	29	NW.	0	6	9	5	12	9	9	3	8	1	14	13	4	7	6	0	0	0	0	0	0	0	5	0
June	6.4	SW.	25	SE.	0	3	10	3	6	6	24	4	4	0	19	11	0	3	3	0	0	0	0	0	9	0	6	0
July	5.6	SW.	27	NE.	0	0	3	1	10	10	20	12	6	0	17	5	9	9	8	0	0	0	2	0	19	0	14	0
August	4.8	SW.	41	SE.	1	6	8	8	9	4	11	8	8	0	14	10	7	9	7	0	0	0	1	0	12	0	13	0
September	5.4	E.	20	SE.	0	9	11	16	7	3	5	1	7	1	11	11	8	8	5	0	0	0	1	0	1	0	9	0
October	6.7	SE.	35	NW.	0	15	7	7	16	7	4	1	5	0	24	4	3	5	5	0	0	0	1	0	0	2	5	0
November	5.6	NW.	23	NW.	0	9	10	5	10	3	3	6	13	1	21	4	5	4	3	0	0	0	2	0	0	1	0	0
December	6.9	NE.	36	NW.	0	7	15	8	14	5	6	1	6	0	10	6	15	7	5	3	0	0	1	3	0	13	2	0
Year	6.9	SE.	41	NW.	2	73	102	63	154	84	114	40	97	3	174	88	103	100	78	4	0	3	12	4	41	33	78	0

WAGON WHEEL GAP, COLO.

[H=—ft.; h_t=9 ft.; h_r=3 ft.; h_a=22 ft.]

January	7.2	.....	24	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	23	4	4	8	4	5	8	0	0	26	0	31	0	0
February	7.6	.....	27	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	8	5	5	4	14	5	0	0	18	0	28	0	0
March	8.7	.....	25	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	19	9	3	10	7	12	10	0	0	16	0	31	0	0
April	7.8	.....	23	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	11	9	11	8	15	11	0	0	3	0	29	1	0
May	9.0	.....	20	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	17	7	16	11	24	15	0	0	2	0	30	6	0
June	7.2	.....	19	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	24	5	1	3	1	2	2	0	0	0	0	6	5	0
July	5.6	.....	23	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	12	11	18	10	0	0	1	0	0	0	0	20	0
August	4.8	.....	17	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	20	4	19	12	1	0	1	0	0	0	0	19	0
September	4.5	.....	17	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	17	5	11	7	2	0	1	1	0	0	10	11	0
October	8.6	.....	28	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	21	8	2	3	1	5	2	0	0	1	0	26	0	0
November	5.3	.....	21	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	9	6	6	3	7	6	0	0	4	0	30	1	0
December	8.0	.....	27	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	24	4	3	3	2	7	3	0	0	12	0	31	0	0
Year	6.8	.....	28	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	181	124	60	113	70	94	62	3	1	82	0	252	63	0

WALLA WALLA, WASH.

[H=1,000 ft.; h_t=57 ft.; h_r=50 ft.; h_a=65 ft.]

January	6.4	SW.	32	SW.	0	2	0	1	1	21	25	11	1	0	3	9	19	15	7	7	5	0	1	10	0	17	0	0
February	4.7	S.	28	SW.	0	2	3	0	1	17	18	6	7	2	1	6	21	11	6	9	6	0	4	1	0	12	0	0
March	7.9	SW.	32	SW.	0	4	2	3	6	20	20	6	0	1	4	7	20	9	5	12	1	0	0	3	0	11	0	0
April	6.4	S.	25	SE.	0	0	5	2	6	24	13	8	1	1	2	11	17	20	15	1	1	1	0	0	0	0	1	0
May	5.1	S.	21	W.	0	0	2	3	1	31	17	6	2	0	12	9	10	14	11	0	0	1	0	0	0	0	3	0
June	5.7	S.	26	SW.	0	1	3	1	7	27	5	13	3	0	15	12	3	8	3	0	0	0	0	0	3	0	1	0
July	4.5	S.	19	W.	0	2	4	5	5	23	6	15	1	1	22	9	0	0	0	0	0	0	0	0	19	0	0	0
August	3.9	S.	13	W.	0	4	2	5	4	21	4	19	2	1	30	1	0	0	0	0	0	0	0	0	19	0	0	2
September	4.0	S.	17	SW.	0	3	2	2	4	25	11	9	3	1	16	7	7	6	5	0	0	0	0	0	1	0	3	0
October	4.0	S.	25	SW.	0	3	0	1	8	14	16	11	5	4	17	10	4	1	0	0	0	0	0	0	0	4	0	0
November	3.4	S.	14	SW.	0	0	0	2	7	25	14	11	0	1	12	4	14	6	4	0	0	0	0	0	0	2	0	0
December	6.6	S.	30	SW.	0	1	1	2	3	29	21	3	2	0	1	5	25	21	16	2	0	0	2	2	0	6	0	0
Year	5.2	S.	32	SW.	0	22	24	27	53	277	170	118	27	12	135	90	140	111	72	31	13	2	7	16	42	52	8	2

Annual meteorological summary for the year ending December 31, 1917—Continued.

WASHINGTON, D. C.

[ϕ=38° 54′ N.; λ=77° 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	29.938	30.675	29.230	30.9	35.9	43.2	26.8	35.0	59	14	24	24	74	62	0.136	0.138	2.37	0.79	6.6	4.5	6.0
February	29.895	30.498	29.136	28.3	35.3	42.1	23.5	32.8	66	2	20	20	69	54	.130	.130	1.97	.57	5.5	4.4	5.4
March	29.981	30.410	29.430	39.0	45.2	52.4	34.5	43.4	82	23	30	31	72	60	.179	.180	5.12	1.24	6.1	3.8	5.2
April	29.851	30.360	29.106	48.4	56.8	64.1	44.2	54.2	85	28	37	39	66	53	.236	.254	2.16	.81	4.9	4.7	4.8
May	29.740	30.107	29.337	56.1	61.4	68.8	50.4	59.6	89	42	44	41	66	52	.302	.281	1.84	.74	3.8	4.2	5.2
June	29.898	30.207	29.648	69.1	73.5	83.0	62.2	72.6	95	50	60	62	75	68	.538	.564	6.25	2.69	3.9	5.2	4.9
July	29.857	30.087	29.477	73.0	76.3	84.9	68.3	76.6	99	62	67	69	82	78	.668	.704	9.41	3.27	5.9	6.8	6.2
August	29.895	30.150	29.498	71.2	76.2	85.3	66.5	75.9	96	54	64	65	79	70	.611	.636	.77	.52	3.4	3.0	4.0
September	29.999	30.320	29.517	59.1	63.7	72.9	54.8	63.8	87	40	54	55	83	74	.428	.444	1.34	.59	5.1	3.5	5.2
October	29.941	30.239	29.327	47.0	51.3	62.7	41.3	52.0	79	26	41	42	80	71	.269	.283	4.81	1.50	4.1	3.0	4.3
November	30.011	30.567	29.210	36.8	43.9	52.1	33.1	42.8	70	20	28	31	73	62	.159	.177	.53	.26	4.5	3.3	4.4
December	30.132	30.608	29.154	24.5	28.5	34.4	21.4	27.9	50	— 3	17	19	72	65	.102	.109	1.47	.73	6.9	5.4	6.2
Year	29.928	30.675	29.106	48.6	54.0	62.2	43.9	53.0	99	— 3	40	42	74	64	.313	.325	38.24	3.27	5.1	4.3	5.2

WAUSAU, WIS.

[ϕ= 44° 57′ N.; λ=89° 35′ W.]

January	28.598	29.390	28.075	3.1	.....	17.3	—2.7	7.3	36	—23	.....	.....	.....	.....	.....	.....	2.50	1.03	4.6	.....	4.9
February	28.632	29.183	27.974	—1.3	.....	15.1	—5.9	4.6	39	—27	.....	.....	.....	.....	.....	.....	1.10	.42	5.7	.....	4.8
March	28.581	29.191	28.119	20.9	.....	34.7	18.3	26.5	50	—24	.....	.....	.....	.....	.....	.....	3.07	1.22	6.7	.....	7.0
April	28.677	28.964	28.278	34.3	.....	48.4	30.0	39.2	69	20	.....	.....	.....	.....	.....	.....	2.86	.79	6.0	.....	5.6
May	28.633	28.971	28.263	45.6	.....	62.0	37.0	49.5	83	28	.....	.....	.....	.....	.....	.....	1.29	.66	3.1	.....	5.2
June	28.609	28.883	28.065	54.3	.....	68.2	48.3	58.2	82	36	.....	.....	.....	.....	.....	.....	2.97	1.16	6.6	.....	6.2
July	28.604	28.817	28.376	64.1	.....	79.1	57.8	68.4	97	42	.....	.....	.....	.....	.....	.....	4.91	1.22	3.2	.....	4.8
August	28.660	28.903	28.266	56.8	.....	72.7	51.0	61.8	86	37	.....	.....	.....	.....	.....	.....	3.63	1.34	4.6	.....	4.7
September	28.786	29.231	28.412	48.5	.....	66.8	45.3	56.0	80	29	.....	.....	.....	.....	.....	.....	2.81	1.36	5.2	.....	4.6
October	28.599	29.037	28.101	32.7	.....	43.1	29.5	36.3	70	18	.....	.....	.....	.....	.....	.....	3.12	1.00	6.7	.....	8.0
November	28.818	29.220	28.129	29.7	.....	42.6	26.9	34.8	64	14	.....	.....	.....	.....	.....	.....	.26	.15	7.4	.....	6.1
December	28.809	29.392	28.265	7.9	.....	18.2	2.5	10.4	37	—21	.....	.....	.....	.....	.....	.....	.53	.19	6.1	.....	5.6
Year	28.667	29.392	27.974	33.0	.....	47.4	28.2	37.8	97	—27	.....	.....	.....	.....	.....	.....	29.05	1.36	5.5	.....	5.6

WICHITA, KANS.

[ϕ=37° 41′ N.; λ=97° 30′ W.]

January	28.587	29.260	27.940	28.1	36.6	44.0	23.6	33.8	69	— 1	22	23	78	58	0.122	0.131	0.41	0.17	3.8	2.7	3.9
February	28.633	29.320	28.000	24.1	39.1	45.1	20.6	32.8	74	— 8	16	16	71	37	.097	.094	T.	T.	3.1	3.7	4.1
March	28.533	29.080	28.017	36.3	53.4	58.0	33.4	45.7	83	12	26	24	69	38	.154	.145	.66	.30	2.7	2.7	3.1
April	28.467	28.770	28.130	46.4	60.1	64.6	43.7	54.2	84	30	37	37	70	46	.231	.236	2.52	.82	6.0	4.9	5.6
May	28.487	28.920	27.960	51.6	64.8	68.0	49.3	58.6	90	35	45	44	78	50	.305	.301	4.84	2.22	4.9	5.0	5.6
June	28.525	28.970	28.100	65.8	81.1	86.8	62.8	74.8	100	49	56	54	71	43	.450	.441	.32	.12	3.0	1.9	2.0
July	28.496	28.710	28.250	73.3	89.6	93.5	71.0	82.2	103	62	61	56	67	34	.551	.457	1.41	.87	3.0	1.5	2.4
August	28.574	28.850	28.380	67.0	80.3	84.2	65.2	74.7	96	49	62	61	84	55	.566	.558	4.69	1.38	4.5	2.7	3.5
September	28.622	28.940	28.380	61.2	75.5	81.0	59.9	70.4	93	42	56	56	84	51	.466	.463	.92	.35	3.1	2.3	2.6
October	28.591	29.110	28.050	43.5	57.5	64.3	39.5	51.9	88	14	32	30	64	38	.197	.189	.11	.07	3.0	2.1	3.5
November	28.723	29.010	28.360	40.4	54.2	60.1	38.8	49.4	75	26	30	33	70	48	.171	.196	.02	.02	3.1	2.7	3.6
December	28.731	29.320	28.224	21.1	29.2	36.0	16.7	26.4	71	— 5	18	21	88	71	.116	.130	.21	.21	5.5	2.3	5.5
Year	28.581	29.320	27.940	46.6	60.1	65.5	43.7	54.6	103	— 8	38	38	74	47	.286	.278	16.11	2.22	3.8	2.9	3.8

WILLISTON, N. DAK.

[ϕ=48° 9′ N.; λ=103° 35′ W.]

January	27.951	28.660	27.290	1.7	7.2	16.5	—6.0	5.2	40	—36	—1	3	88	82	0.047	0.054	0.47	0.15	5.3	6.6	5.8
February	28.091	28.770	26.980	—3.2	3.5	9.1	—9.4	—0.2	42	—40	—5	0	91	83	.040	.044	.67	.46	5.1	6.0	5.5
March	27.972	28.700	27.290	15.9	25.7	29.5	12.0	20.8	46	—26	12	18	83	70	.077	.098	.47	.26	6.1	5.6	5.2
April	28.029	28.350	27.570	29.6	43.0	45.6	27.9	36.8	62	14	26	28	84	58	.139	.156	1.28	.62	7.7	7.1	6.5
May	28.027	28.310	27.500	41.5	62.5	65.5	38.5	52.0	90	22	31	30	67	32	.178	.169	.08	.07	4.3	4.4	3.5
June	27.936	28.453	27.440	51.3	69.6	73.0	47.7	60.4	91	33	44	42	76	40	.290	.276	2.36	.74	4.9	5.7	4.6
July	27.909	28.260	27.490	61.3	83.3	86.7	57.5	72.1	106	39	51	50	70	33	.388	.362	.36	.15	3.7	3.7	3.4
August	28.008	28.339	27.670	53.8	76.7	80.6	51.8	66.2	95	40	46	43	77	32	.324	.286	.21	.12	4.0	4.5	3.5
September	28.042	28.530	27.610	46.0	64.4	70.0	43.0	56.5	92	27	40	42	79	48	.253	.284	.72	.48	4.7	4.5	4.5
October	28.033	28.730	27.590	32.3	49.6	47.0	27.3	37.2	76	13	25	26	74	59	.140	.147	1.00	.35	6.7	7.0	6.2
November	28.115	28.510	27.710	30.8	42.6	50.9	27.9	39.4	68	15	25	31	78	63	.135	.172	.01	.01	1.8	2.7	4.0
December	28.127	28.880	27.550	0.5	3.7	11.0	—7.0	2.0	44	—29	—2	1	91	86	.050	.054	1.00	.43	5.8	5.3	7.7
Year	28.020	28.880	26.980	30.1	43.6	48.8	25.9	37.4	106	—40	24	26	80	57	.172	.175	8.63	.74	5.0	5.3	5.0

WASHINGTON, D. C.

Annual meteorological summary for the year ending December 31, 1917—Continued.

[H=112 ft.; h_t=62 ft.; h_r=42 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.	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	6.4	NW.	35	NW.	0	8	5	2	8	10	7	4	17	1	11	4	16	12	10	9	5	0	6	3	0	24	0	0
February	9.1	NW.	44	NW.	1	9	1	3	7	7	10	1	18	0	12	4	12	9	8	5	3	0	2	6	0	19	1	0
March	8.7	NW.	42	NW.	1	10	2	4	10	5	10	4	17	0	11	10	10	14	14	3	2	1	0	0	0	11	2	0
April	8.0	NW.	40	NW.	1	7	7	2	10	8	8	3	15	0	12	11	7	11	9	2	2	1	0	0	0	4	2	0
May	8.3	NW.	30	NW.	0	7	4	5	6	5	6	7	22	0	8	14	9	9	6	0	0	1	0	0	0	0	3	0
June	5.3	S.	46	NW.	1	5	5	0	7	16	15	2	10	0	10	15	5	14	10	0	0	1	1	0	2	0	10	0
July	4.8	SW.	44	NW.	1	6	8	5	10	10	11	8	2	2	6	14	11	14	13	0	0	0	0	0	4	0	10	0
August	4.8	S.	20	NW.	0	8	5	4	11	8	14	1	8	3	15	10	6	6	2	0	0	0	1	0	2	0	8	1
September	5.5	N.	29	NW.	0	20	7	3	5	5	8	5	5	2	10	11	9	9	8	0	0	0	3	0	0	0	3	0
October	6.9	NW	40	NW.	1	13	6	4	5	6	8	7	12	1	17	6	8	13	9	1	0	1	2	0	0	1	4	0
November	6.3	NW.	30	NW.	0	10	4	1	3	2	14	4	22	0	14	9	7	5	4	3	2	0	1	0	0	13	1	0
December	7.3	N.	38	NW.	0	17	8	2	1	6	8	7	13	0	10	5	16	7	5	12	6	0	0	13	0	28	0	0
Year	6.8	NW.	46	NW.	6	120	62	35	83	88	119	53	161	9	136	113	116	123	98	35	20	5	16	22	8	100	44	1

WAUSAU, WIS.

[H=1,247 ft.; h_t=4 ft.; h_r=38 ft.; h_a= — ft.]

January	.....	NW.	.....	.....	.....	1	2	3	5	0	1	3	16	0	12	11	8	8	5	11	8	0	0	26	0	31	0	0
February	.....	NW.	.....	.....	.....	1	0	0	4	1	3	4	14	1	12	6	10	7	5	11	7	0	0	26	0	28	0	0
March	.....	NW.	.....	.....	.....	3	0	1	9	3	0	2	13	0	4	11	16	12	5	16	9	0	0	10	0	29	1	0
April	.....	NW.	.....	.....	.....	3	3	4	6	0	0	2	12	0	9	10	11	10	9	6	5	1	1	0	0	21	3	0
May	.....	N.	.....	.....	.....	7	6	4	3	0	2	3	5	1	9	14	8	6	4	3	1	0	0	0	0	8	2	1
June	.....	NW.	.....	.....	.....	1	2	4	4	1	5	4	7	2	7	10	13	14	11	0	0	0	0	0	0	0	6	0
July	.....	NW.	.....	.....	.....	2	4	3	4	3	3	4	5	3	11	13	7	12	12	0	0	1	2	0	0	0	11	1
August	.....	NW.	.....	.....	.....	0	2	2	4	2	4	4	8	5	13	9	9	9	7	0	0	0	3	0	0	0	5	2
September	.....	SE.	.....	.....	.....	0	3	2	7	3	0	5	7	3	14	6	10	9	7	0	0	1	3	0	0	2	1	1
October	.....	SE.	.....	.....	.....	2	2	1	9	2	2	5	7	1	1	10	20	18	10	11	10	0	2	5	0	22	1	0
November	.....	NW.	.....	.....	.....	3	2	0	5	1	4	4	11	0	8	7	15	4	2	8	3	0	0	8	0	26	0	0
December	.....	NW.	.....	.....	.....	2	0	0	7	4	2	2	14	0	11	6	14	9	5	16	8	0	0	23	0	31	0	0
Year	.....	NW.	.....	.....	.....	25	26	24	67	20	26	42	119	16	111	113	141	118	82	82	51	3	11	98	5	198	30	5

WICHITA, KANS.

[H=1,358 ft.; h_t=139 ft.; h_r=132 ft.; h_a=158 ft.]

January	13.3	S.	48	NW.	4	14	4	5	3	19	6	4	7	0	16	11	4	5	4	5	4	0	2	6	0	23	0	0
February	14.7	NE.	46	N.	3	8	17	1	3	12	2	6	7	0	14	9	5	0	0	2	0	0	0	3	0	24	0	0
March	18.4	S.	60	W.	10	6	11	5	3	19	2	4	12	0	19	8	4	5	3	4	1	1	1	2	0	13	3	0
April	17.7	S.	48	S.	7	13	4	5	6	22	2	1	7	0	10	11	9	10	7	2	0	1	1	0	0	3	5	0
May	13.4	S.	52	SW.	4	15	11	3	5	23	2	0	3	0	9	12	10	8	8	0	0	1	1	0	0	0	5	0
June	14.9	S.	70	NW.	5	2	6	3	7	30	1	4	7	0	22	7	1	4	3	0	0	0	1	0	13	0	6	0
July	12.9	S.	42	S.	1	4	11	4	7	32	1	1	2	0	22	8	1	4	3	0	0	0	0	0	21	0	8	0
August	9.6	S	37	S.	0	7	8	6	16	21	2	0	2	0	19	4	8	11	11	0	0	0	0	0	6	0	10	0
September	11.3	S.	36	S.	0	2	10	6	7	32	0	0	3	0	22	3	5	7	6	0	0	0	1	0	2	0	7	0
October	14.2	S.	46	SW.	2	17	8	0	5	20	5	2	5	0	16	10	5	3	1	1	1	0	0	1	0	10	0	0
November	12.4	S.	39	S.	0	8	5	3	9	22	1	3	9	0	17	8	5	1	0	0	0	0	1	0	0	4	0	0
December	14.0	S.	45	N.	3	15	11	2	6	23	2	1	2	0	9	16	6	1	1	5	1	0	4	12	0	25	0	0
Year	13.9	S.	70	NW.	39	111	106	43	77	275	26	26	66	0	195	107	63	59	47	19	7	3	11	24	42	102	44	0

WILLISTON, N. DAK.

[H=1,878 ft.; h_t=41 ft.; h_r=33 ft.; h_a=48 ft.]

January	9.0	W.	51	NW.	3	6	4	4	9	7	10	11	11	0	8	13	10	9	5	20	9	0	0	24	0	31	0	0
February	9.3	W.	48	NW.	1	4	4	4	6	1	13	16	8	0	9	12	7	8	4	14	8	0	0	25	0	28	0	0
March	8.8	W.	36	W.	0	5	7	4	6	6	14	15	5	0	10	15	6	10	4	14	10	0	1	15	0	31	0	0
April	9.3	E.	36	E.	0	8	14	12	13	1	0	7	5	0	6	9	15	9	7	9	4	0	0	0	0	25	0	0
May	8.5	SE.	33	W.	0	11	12	12	12	7	4	3	1	0	17	13	1	3	1	1	0	0	0	0	1	3	0	0
June	10.6	W.	50	NW.	3	4	1	6	11	6	11	10	11	0	9	18	3	14	9	0	0	1	0	0	1	0	8	0
July	8.5	SE.	40	W.	1	8	5	7	14	6	5	5	12	0	17	13	1	7	3	6	0	0	0	0	13	0	8	0
August	7.8	N.	42	NW.	1	13	8	3	6	11	4	10	7	0	15	16	0	4	2	0	0	0	0	0	5	0	4	1
September	8.1	SE.	44	NW.	1	8	6	12	14	4	8	3	5	0	12	10	8	4	3	0	0	0	1	0	2	2	0	0
October	9.7	NW.	36	NW.	0	6	3	1	10	4	3	17	18	0	5	14	12	10	5	11	6	0	0	6	0	23	0	0
November	5.5	SW.	44	NW.	1	11	6	5	8	9	10	5	5	1	16	7	7	1	0	2	1	0	4	1	0	24	0	0
December	7.3	N.	40	NW.	1	12	7	9	9	2	8	5	10	0	4	5	22	15	6	21	16	0	1	26	0	31	0	0
Year	8.5	SE.	51	NW.	12	96	77	79	118	64	90	107	98	1	128	145	92	95	49	92	54	1	7	97	22	198	20	1

* By eye observations at Wausau.

Annual meteorological summary for the year ending December 31, 1917—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	30.021	30.520	29.400	45.6	51.4	60.9	41.6	51.2	76	22	41	46	85	83	0.282	0.329	3.09	1.27	6.5	4.4	6.1
February	30.010	30.484	29.430	41.8	48.4	58.0	37.1	47.6	80	13	34	38	75	68	.241	.271	1.18	.65	4.9	2.4	4.6
March	30.061	30.410	29.630	50.8	55.8	65.2	45.6	55.4	79	31	42	46	74	71	.293	.325	4.00	1.67	4.8	4.0	4.5
April	29.904	30.340	29.380	58.4	63.0	73.6	53.3	63.4	90	38	51	52	77	70	.396	.409	2.55	.94	3.5	2.9	3.8
May	29.840	30.140	29.560	62.6	67.1	76.1	57.0	66.6	91	44	52	55	68	67	.402	.451	2.26	.85	3.3	3.7	4.0
June	30.003	30.240	29.740	72.6	74.0	83.1	67.1	75.1	90	58	68	68	84	82	.679	.691	6.97	2.96	5.5	3.7	4.9
July	29.952	30.150	29.570	76.5	77.5	85.9	71.9	78.9	97	67	72	72	86	83	.784	.780	12 37	2.22	4.5	6.1	5.4
August	29.935	30.180	29.620	74.5	77.8	86.2	70.7	78.4	92	63	70	71	85	80	.725	.764	2 26	1.18	3.6	4.5	4.4
September	29.977	30.180	29.620	66.6	69.8	77.6	63.2	70.4	90	51	63	64	88	82	.597	.611	9.28	4.39	5.2	5.1	6.0
October	29.993	30.228	29.580	54.6	61.3	71.2	50 2	60.7	83	33	49	52	82	74	.375	.423	.34	.16	2.3	2.3	2.5
November	30.059	30.570	29.350	43.3	51.8	61.9	40.9	51.4	76	27	36	40	75	66	.218	.262	.66	.32	2.8	2.2	2.4
December	30.125	30.560	29.380	33.2	38.4	45.7	30.1	38.0	73	6	29	30	83	73	.174	.184	2.45	.57	5.5	3.6	5.3
Year	29.990	30.570	29.350	56.7	61.4	70.4	52.4	61.4	97	6	51	53	80	75	.430	.458	47.41	4.39	4.4	3.7	4.5

WINNEMUCCA, NEV.

[ϕ=40° 58′ N.; λ=117° 43′ W.]

January	25.742	26.109	25 320	3.7	19.5	26.9	−3.3	11.8	43	−22	0	10	86	64	0.051	0.069	0.90	0.46	4.1	4.3	4.3
February	25 661	26.100	25.090	21 9	34 7	38.9	18.9	28 9	56	−12	18	24	83	63	.101	.124	.20	.07	5.5	5.6	6.0
March	25.671	26.080	25.100	25.3	40.1	44.5	21.0	32 8	66	5	20	21	78	48	.107	.113	.58	.23	4.2	6.7	5.7
April	25.553	25.930	25.210	33.6	53 3	57.7	31.1	44.4	74	15	26	24	75	34	.144	.133	.68	.23	6.0	6.7	6.4
May	25.526	25.800	25 290	39 9	58.1	62 0	38.2	50 1	80	24	35	32	82	41	.206	.187	2.49	1.44	5.7	6.2	6.2
June	25.661	25 920	25 310	47.6	76 5	80 2	46.4	63.3	92	32	35	28	63	18	.204	.153	.35	.35	1.2	1.3	1.1
July	25.610	25.830	25.430	59.7	89.7	93.6	58.2	75.9	102	48	38	38	47	17	.245	.240	.06	.03	1.9	3.1	1.9
August	25.666	25.830	25.490	54.0	84.6	89.8	52.3	71.0	97	42	36	36	52	20	.218	.220	.57	.52	1.7	2.9	2.5
September	25.651	25.826	25.420	46.2	74.7	80.8	42.0	61.4	91	29	29	33	52	23	.163	.191	T.	T.	2.3	3.5	3.0
October	25.764	26.020	25.470	33.3	65.1	73.3	30.1	51.7	86	15	19	23	54	20	.102	.131	T.	T.	1.4	2.0	1.6
November	25.770	26.130	25.320	29.2	49.8	58.7	25.1	41.9	72	9	21	25	72	40	.117	.138	.25	.20	4.1	4.6	4.3
December	25.751	26.030	25.320	27.5	43.9	52.7	21.7	37.2	65	6	20	25	72	46	.109	.134	.05	.05	3.5	4.8	5.5
Year	25.669	26.130	25.090	35.2	57.5	63.3	31.8	47.5	102	−22	25	27	68	36	.147	.153	6.13	1.44	3.5	4.3	4.0

WYTHEVILLE, VA.

[ϕ=36° 56′ N.; λ=81° 5′ W.]

January	27.628	28.100	27.147	34.0	37.7	46.8	29.6	38.2	63	8	29	31	82	75	0.168	0.180	3.77	1.10	6.3	4.8	5.5
February	27.598	28.020	26.980	28.3	32.5	42.3	21.7	32.0	68	− 6	21	24	76	71	.138	.148	2.56	.69	6.0	4.1	6.2
March	27.685	27.930	27.347	36.9	44.6	52.3	32.9	42.6	74	16	31	32	78	65	.177	.192	4.58	1.06	5.2	4.3	4.5
April	27.608	28.001	27.037	47.2	55.4	64.4	41.0	52.7	80	29	38	40	71	57	.237	.255	2.40	.95	4.5	4.4	3.6
May	27.563	27.830	27.236	52.6	57.1	64.3	46.0	55.2	83	37	43	42	70	61	.280	.286	2.18	.62	5.5	5.0	4.4
June	27.734	27.997	27.470	62.3	68.0	77.9	53.9	65.9	90	38	57	57	84	70	.474	.472	2.17	.89	4.1	4.7	4.1
July	27.692	27.870	27.410	66.1	71.6	80.3	60.8	70.6	90	50	62	62	86	74	.553	.567	3.68	1.04	5.6	6.0	5.3
August	27.715	27.940	27.415	63.8	70.7	80 6	58.3	69.4	91	45	60	60	86	70	.516	.528	2.34	.63	3.6	4.6	4.2
September	27.763	27.960	27.450	55.8	61.9	72.0	51.4	61.7	83	35	52	55	90	78	.408	.440	1.80	.70	5.0	4.5	5.6
October	27.683	27.904	27.270	41.3	48.2	60.2	35.3	47.8	74	22	38	42	86	78	.238	.276	2.82	1.06	3.8	1.9	3.6
November	27.738	28.110	27.060	35.0	41.9	50.7	31.8	41.2	65	19	31	34	85	75	.176	.202	.39	.18	4.4	3.6	4.8
December	27.745	28.090	26.960	19.5	25.8	34.2	14.1	24.2	56	− 7	17	21	88	80	.106	.121	2.22	.92	6.3	5.0	5.3
Year	27.679	28.110	26.960	45.2	51.3	60.5	39.7	50.1	91	− 7	40	42	82	71	.289	.306	30.91	1.10	5.0	4.4	4.8

YANKTON, S. DAK.

[ϕ=42° 54′ N.; λ=97° 28′ W.]

January	28.692	29.480	28.100	12.1	.....	28.3	7.4	17.8	59	−23	9	....	86	....	0.068	.....	1.64	1.17	4.4	.....	4.7
February	28.812	29.430	27.900	7.7	.....	24.1	3.9	14.0	54	−29	5	....	86	....	.050	.....	.30	.19	5.8	.....	5.9
March	28.686	29.350	28.090	25.5	.....	39.5	23 2	31.4	79	− 8	21	....	81	....	.113	.....	2.36	1.50	5.7	.....	5.6
April	28.650	28.951	28.190	37.3	.....	53.8	34.8	44.3	78	25	31	....	70	....	.179	.....	2.89	.95	7.9	.....	7.4
May	28.642	29.060	28.050	48.2	.....	66.9	45.0	56.0	89	33	41	....	76	....	.262	.....	3.90	2.08	5.1	.....	5.3
June	28.606	29.090	28.110	61.1	.....	76.5	56.4	66.4	95	40	52	....	75	....	.405	.....	5.05	1.04	5.0	.....	5.3
July	28.605	28.860	28.290	68.2	.....	87.2	64.6	75.9	103	47	60	....	77	....	.532	.....	1.96	1.02	3.7	.....	3.5
August	28.684	29.000	28.391	61.5	.....	81.3	57.9	69.6	93	46	55	....	80	....	.437	.....	2.98	.96	4.1	.....	4.7
September	28.754	29.240	28.460	55.0	.....	73.6	52.6	63.1	84	38	52	....	89	....	.392	.....	3.32	1.73	6.4	.....	6.4
October	28.697	29.250	28.230	35.8	.....	54.0	31.5	42.8	75	13	28	....	71	....	.159	.....	.13	.13	6.1	.....	7.0
November	28.838	29.220	28.420	34.2	.....	52.2	31.7	42.0	73	21	29	....	81	....	.159	.....	.45	.22	4.0	.....	6.1
December	28.873	29.620	28.230	9.2	.....	23.8	3.8	13.8	53	−32	6	....	85	....	.067	.....	.77	.23	5.8	.....	7.5
Year	28.710	29.620	27.900	38.0	.....	55.1	34.4	44.8	103	−32	32	....	80	....	.236	.....	25.84	2.08	5.3	.....	5.8

Annual meteorological summary for the year ending December 31, 1917—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.	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 32° or below.	Maximum 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Electricity. Auroras.
	Miles		*Mi.*																									
January	7.5	W.	35	SW.	0	7	7	3	4	7	17	10	7	0	10	6	15	15	10	1	0	0	3	0	0	6	1	0
February	9.4	W.	42	W.	1	2	5	6	1	4	19	17	2	0	14	6	8	8	5	3	0	0	2	1	0	11	1	0
March	8.9	SW.	28	SW.	0	9	13	1	6	8	13	10	2	0	15	5	11	9	9	0	0	0	2	0	0	2	4	0
April	8.1	W.	47	SW.	1	6	8	8	4	5	14	12	3	0	14	10	6	7	7	0	0	0	1	0	1	0	6	0
May	7.9	SW.	30	W.	0	3	8	1	2	5	22	15	6	0	15	8	8	7	5	0	0	1	0	0	3	0	5	0
June	7.5	SW.	34	W.	0	5	4	5	3	10	24	8	1	0	10	16	4	17	13	0	0	1	1	0	1	0	15	0
July	7.3	SW.	34	E.	0	1	6	3	2	11	29	9	1	0	9	10	12	17	15	0	0	0	0	0	3	0	13	0
August	6.9	NE.	20	E.	0	4	20	5	6	4	8	12	3	0	11	16	4	7	4	0	0	0	0	0	3	0	5	0
September	7.9	NE.	36	NE.	0	13	22	4	0	3	10	5	3	0	6	14	10	12	8	0	0	0	1	0	1	0	5	0
October	7.6	N.	38	W.	0	14	18	2	4	9	7	4	4	0	21	7	3	5	3	0	0	0	0	0	0	0	1	0
November	6.0	N.	27	SW.	0	13	9	2	2	2	9	15	8	0	24	1	5	4	3	0	0	0	3	0	0	4	0	0
December	8.4	N.	44	SW.	1	22	17	1	0	5	5	7	5	0	13	5	13	13	11	4	2	0	1	4	0	18	0	0
Year	7.7	SW.	47	SW.	3	99	137	41	34	73	177	124	45	0	162	104	99	121	93	8	2	2	14	5	12	41	56	0

WINNEMUCCA, NEV.

[H=4,344 ft.; h_t=18 ft.; h_r=3 ft.; h_a=56 ft.]

January	6.5	NE.	35	SW.	0	1	27	2	1	4	19	7	1	0	16	7	8	7	5	7	7	0	0	22	0	29	0	0
February	9.4	SW.	52	SW.	4	0	20	0	1	3	24	6	2	0	10	3	15	7	2	10	7	0	2	6	0	27	0	0
March	8.2	SW.	43	SW.	1	3	12	2	0	2	27	12	4	0	9	9	13	10	6	11	9	0	0	2	0	28	0	0
April	7.8	SW.	30	SW.	0	3	10	1	1	0	24	15	6	0	6	10	14	9	6	7	3	0	0	0	0	17	1	0
May	5.9	SW.	33	SW.	0	4	9	2	4	6	25	10	2	0	11	4	16	13	9	0	0	0	0	0	0	5	3	0
June	6.1	SW.	36	SW.	0	5	18	1	1	1	14	9	10	1	27	3	0	2	1	0	0	0	0	0	4	1	1	0
July	5.8	SW.	46	S.	1	1	15	1	1	1	29	8	6	0	23	7	1	3	0	0	0	0	0	0	27	0	3	0
August	5.4	NE.	35	SW.	0	3	24	2	0	3	16	8	5	1	22	5	4	3	3	0	0	0	0	0	16	0	4	0
September	5.5	SW.	27	S.	0	3	17	0	0	2	26	8	4	0	14	13	3	0	0	0	0	0	0	0	2	2	1	0
October	4.9	NE.	19	W.	0	4	32	0	0	0	15	4	7	0	25	6	0	0	0	0	0	0	0	0	0	19	0	0
November	6.4	NE.	36	SW.	0	2	24	2	0	4	22	3	3	0	15	5	10	3	2	0	0	0	0	0	0	24	0	0
December	7.0	SW.	35	SW.	0	2	16	1	0	3	29	10	1	0	11	5	15	1	1	2	0	0	0	0	0	27	0	0
Year	6.6	SW.	52	SW.	6	31	224	14	9	29	270	100	51	2	189	77	99	58	35	37	26	0	2	30	49	179	13	0

WYTHEVILLE, VA.

[H=2,304 ft.; h_t=49 ft.; h_r=40 ft.; h_a=55 ft.]

January	8.2	W.	31	W.	0	2	7	6	2	0	5	29	11	0	10	10	11	17	11	3	2	0	0	2	0	19	0	0
February	10.0	W.	33	W.	0	3	1	3	2	0	6	32	9	0	8	7	13	11	9	3	1	0	1	7	0	18	0	0
March	9.4	W.	40	W.	1	2	5	10	3	3	7	22	10	0	15	6	10	16	15	4	1	0	0	0	0	13	1	0
April	7.5	W.	37	W.	0	3	1	11	1	0	3	21	17	3	19	5	6	10	10	3	0	1	0	0	0	5	3	0
May	8.2	W.	37	W.	0	2	4	4	1	0	5	27	19	0	16	7	8	10	7	0	0	0	0	0	0	0	6	0
June	4.8	W.	31	SW.	0	4	2	0	0	2	8	30	12	2	12	13	5	11	7	0	0	0	1	0	0	0	6	0
July	4.9	W.	26	SW.	0	3	5	8	4	2	8	23	7	2	10	11	10	14	11	0	0	0	2	0	1	0	8	0
August	3.7	W.	19	W.	0	4	1	4	8	3	12	17	10	3	12	14	5	9	8	0	0	0	1	0	1	0	7	0
September	4.5	E.	19	NW.	0	2	6	25	3	0	4	6	12	2	10	8	12	9	6	0	0	0	2	0	0	0	1	0
October	6.6	W.	36	W.	0	3	2	4	2	4	8	21	17	1	17	8	6	10	8	3	2	0	0	0	0	12	2	0
November	6.0	NW.	25	NW.	0	2	5	6	1	0	4	21	20	1	15	3	12	6	4	2	0	0	1	1	0	14	0	0
December	6.1	W.	42	W.	1	6	2	16	2	0	1	26	8	1	9	13	9	7	6	10	7	0	0	15	0	27	0	0
Year	6.7	W.	42	W.	2	36	41	97	29	14	71	275	152	15	153	105	107	130	102	28	13	1	8	25	2	108	34	0

YANKTON, S. DAK.

[H=1,233 ft.; h_t=49 ft.; h_r=42 ft.; h_a=57 ft.]

January	9.1	NW.	38	NW.	0	2	3	4	0	1	6	4	7	4	11	14	6	7	5	10	7	0	0	17	0	30	0	0
February	10.1	NW.	40	NW.	1	1	2	1	1	2	4	15	0	0	8	11	9	5	3	15	5	0	0	19	0	25	0	0
March	9.8	W.	35	NE.	0	4	2	5	1	2	2	8	6	1	10	12	9	7	6	8	6	0	1	8	0	27	0	0
April	9.9	NW.	36	S.	0	2	5	4	5	0	1	3	8	2	4	9	17	12	12	3	2	0	0	0	0	12	5	0
May	7.7	W.	36	W.	0	1	4	5	3	2	0	6	5	5	11	12	8	7	7	0	0	1	1	0	0	0	4	0
June	7.9	SE.	36	SW.	0	2	2	4	5	3	2	5	4	3	9	13	8	13	10	0	0	1	1	0	0	1	0	12
July	6.7	SE.	44	NW.	1	3	5	3	6	3	3	4	3	1	17	13	1	9	6	0	0	0	1	0	0	13	0	11
August	6.5	SE.	27	NW.	0	3	3	3	4	4	2	3	4	5	10	17	4	6	6	0	0	0	0	0	0	3	0	4
September	6.8	NW.	27	SE.	0	1	2	7	6	3	0	3	8	0	6	11	13	13	9	0	0	0	0	2	0	0	8	0
October	9.5	NW.	40	NW.	1	5	1	1	2	3	1	4	12	2	3	16	12	1	1	4	1	0	0	1	0	19	0	0
November	5.8	NW.	35	NW.	0	4	2	6	4	2	1	1	7	3	7	11	12	5	4	2	2	0	5	0	0	19	1	0
December	8.1	NW.	32	NW.	0	2	5	6	0	3	2	3	9	1	4	12	15	11	7	12	11	0	1	20	0	31	0	0
Year	8.2	NW.	44	NW.	3	30	36	49	37	28	22	48	88	27	100	151	114	96	76	54	34	3	11	65	17	166	45	0

Annual meteorological summary for the year ending December 31, 1917—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	23.783	24.170	23.240	10.1	13.4	19.4	3.5	11.4	30	−22	5	6	78	71	0.058	0.059	0.69	0.25	6.9	6.4	6.6
February	23.784	24.210	23.210	16.5	22.2	28.9	10.1	19.5	41	− 6	11	14	75	70	.072	.088	1.83	.69	6.7	7.2	6.5
March	23.773	24.150	23.350	11.2	20.5	26.9	6.6	16.8	49	−15	6	13	80	71	.061	.078	1.99	.45	6.3	7.4	5.6
April	23.775	24.120	23.260	24.6	34.8	39.4	21.9	30.6	53	10	20	24	80	65	.108	.128	2.64	.59	7.3	7.5	6.3
May	23.799	24.040	23.540	32.7	48.5	53.3	30.7	42.0	72	20	27	30	78	52	.146	.166	1.97	.56	5.9	6.2	5.4
June	23.936	24.360	23.530	39.8	61.0	64.6	37.0	50.8	80	28	29	31	64	34	.158	.175	.67	.29	3.8	4.2	4.1
July	23.978	24.230	23.720	49.5	76.6	80.0	48.0	64.0	87	36	40	40	69	29	.249	.254	.41	.21	1.4	3.5	3.1
August	24.019	24.170	23.799	44.0	69.0	74.7	42.5	58.6	83	36	35	38	71	34	.203	.231	.17	.08	2.5	5.9	4.6
September	23.978	24.170	23.670	41.2	60.0	66.5	38.9	52.7	80	33	34	37	75	47	.194	.227	1.75	.63	4.1	5.6	5.4
October	23.967	24.244	23.410	30.4	44.9	52.6	25.2	38.9	75	− 6	21	26	68	51	.116	.143	.97	.30	3.6	5.1	4.5
November	24.024	24.340	23.580	29.1	38.7	47.6	25.6	36.6	58	16	22	27	74	63	.118	.143	.66	.32	3.2	4.5	5.3
December	23.820	24.180	23.480	26.7	29.9	33.9	20.4	27.2	45	− 6	20	24	73	76	.110	.131	2.28	.38	8.8	8.0	8.8
Year	23.886	24.360	23.210	29.6	43.3	49.0	25.9	37.4	87	−22	22	26	74	55	.133	.152	16.03	.69	5.0	6.0	5.5

YUMA, ARIZ.

[ϕ=32° 45′ N.; λ=114° 36′ W.]

January	29.938	30.230	29.600	43.6	57.6	60.8	41.3	51.0	71	35	34	34	71	44	0.198	0.202	1.02	0.60	3.6	4.0	3.5
February	29.940	30.280	29.480	48.8	68.3	71.5	46.0	58.8	80	36	31	30	54	26	.184	.175	.06	.06	1.5	1.6	1.2
March	29.881	30.360	29.603	48.6	73.5	76.4	46.3	61.4	94	35	24	19	42	13	.139	.105	T.	T.	0.0	0.6	0.3
April	29.732	30.100	29.341	53.8	82.0	84.3	52.7	68.5	98	42	37	30	55	17	.229	.173	.24	.24	0.8	0.8	0.7
May	29.674	29.890	29.286	56.5	84.7	87.1	55.9	71.5	99	51	44	40	64	22	.280	.254	T.	T.	0.4	0.9	0.5
June	29.638	29.810	29.444	69.5	104.8	106.5	68.3	87.4	119	57	53	47	59	15	.419	.331	0	0	0	0	0
July	29.623	29.820	29.452	81.0	101.6	104.8	79.5	92.2	113	74	69	66	69	34	.723	.645	.50	.39	3.5	2.6	4.8
August	29.666	29.860	29.470	75.7	102.6	105.5	74.8	90.2	110	65	66	57	73	25	.658	.495	.23	.21	1.4	1.2	1.6
September	29.671	29.820	29.478	74.0	95.7	101.1	72.1	86.6	110	57	61	56	66	29	.574	.478	.17	.17	1.5	2.1	2.4
October	29.738	30.020	29.500	62.1	86.7	93.8	59.7	76.8	108	50	43	43	58	24	.326	.310	T.	T.	0.1	0.4	0.4
November	29.908	30.140	29.650	50.4	73.1	80.7	48.0	64.4	90	41	33	36	54	26	.191	.212	0	0	0.4	1.0	0.6
December	29.923	30.100	29.697	46.9	68.0	74.7	43.2	59.0	82	40	28	30	50	25	.155	.172	0	0	0.5	1.1	0.7
Year	29.778	30.360	28.286	59.2	83.2	87.3	57.3	72.3	119	35	44	41	60	25	.340	.296	2.22	.60	1.1	1.4	1.4

DUTCH HARBOR, ALASKA.

[ϕ=53° 54′ N.; λ=166° 32′ W.]

January	29.664	30.597	27.993	29.0	30.0	33.5	24.1	28.8	42	12	....	....	....	....	....	....	3.83	1.24	6.7	8.2	....
February	29.476	30.274	28.640	34.1	34.5	37.9	30.6	34.2	45	22	....	....	....	....	....	....	3.38	.90	7.3	8.4	....
March	29.770	30.420	28.950	31.6	33.4	38.8	28.2	33.5	53	18	....	....	....	....	....	....	3.05	1.02	8.5	8.3	....
April	29.847	30.220	28.860	31.7	34.1	38.1	28.7	33.4	44	20	....	....	....	....	....	....	2.02	.63	8.4	8.0	....
May	29.711	30.299	29.008	37.8	41.5	46.1	35.5	40.8	54	24	....	....	....	....	....	....	2.99	.93	8.4	8.5	....
June	29.969	30.578	29.453	43.7	47.2	52.3	41.1	46.7	64	36	....	....	....	....	....	....	1.11	.38	9.1	8.0	....
July	30.008	30.439	29.457	49.9	54.2	60.2	46.9	53.6	79	38	....	....	....	....	....	....	3.43	1.48	7.6	7.5	....
August	29.700	30.129	28.994	47.5	50.2	56.3	45.2	50.8	63	34	....	....	....	....	....	....	1.84	.53	....	....	....
September	29.687	30.240	28.590	45.6	47.2	53.4	42.4	47.9	68	36	....	....	....	....	....	....	3.91	.94	....	....	....
October	29.662	30.441	28.488	40.4	41.2	48.0	36.5	42.2	56	26	....	....	....	....	....	....	5.04	1.06	....	....	....
November	29.774	30.460	29.280	28.8	30.8	33.5	25.4	29.4	38	20	....	....	....	....	....	....	1.26	.25	9.0	9.5	....
December	29.644	30.242	28.758	32.8	33.6	36.1	29.5	32.8	42	19	....	....	....	....	....	....	7.95	1.63	9.6	10.0	....
Year	29.743	30.597	27.993	37.7	39.8	44.5	34.5	39.5	79	12	....	....	....	....	....	....	39.81	1.63	....	....	....

EAGLE, ALASKA.

[ϕ=64° 46′ N.; λ=141° 12′ W.]

January	29.181	30.241	27.982	....	−22.2	−12.0	−32.9	−22.4	30	−60	....	....	....	....	....	....	0.28	0.07	....	3.4	4.4
February	29.234	30.046	28.346	− 5.4	0.6	7.5	−12.2	− 2.4	35	−62	....	....	....	....	....	....	.62	.35	4.9	3.8	5.4
March	28.900	29.372	28.227	5.9	14.2	22.3	− 1.7	10.3	36	−33	....	....	....	....	....	....	.34	.16	6.5	5.8	6.2
April	29.048	29.555	28.513	24.8	35.6	43.4	13.2	28.3	59	−13	....	....	....	....	....	....	.09	.06	5.1	3.9	4.5
May	29.024	29.393	28.395	42.4	47.8	53.3	29.0	41.2	75	7	....	....	....	....	....	....	.50	.32	5.6	6.1	6.4
June	28.951	29.442	28.543	54.9	61.7	66.8	41.0	53.9	77	25	....	....	....	....	....	....	2.28	.96	5.4	5.7	6.5
July	28.834	29.113	28.579	55.7	60.5	67.0	44.7	55.8	76	34	....	....	....	....	....	....	1.71	.53	8.6	7.7	8.1
August	28.958	29.444	28.410	53.6	62.2	69.1	40.2	54.6	87	32	....	....	....	....	....	....	.74	.17	5.0	5.6	5.6
September	28.758	29.253	28.150	41.3	48.2	56.0	33.9	45.0	74	16	....	....	....	....	....	....	.75	.24	7.1	6.4	6.7
October	28.938	29.443	28.278	20.8	23.6	30.9	15.5	23.2	57	−13	....	....	....	....	....	....	.69	.26	8.8	7.7	7.8
November	28.905	29.579	28.390	−12.6	−10.5	− 4.4	−17.1	−10.8	9	−54	....	....	....	....	....	....	.65	.13	7.0	6.1	7.0
December	29.418	29.950	28.748	−46.1	−45.8	−40.2	−51.5	−45.8	−25	−63	....	....	....	....	....	....	T.	T.	0.5	0.7	1.1
Year	29.012	30.241	27.982	.....	23.0	30.0	8.5	19.2	87	−63	....	....	....	....	....	....	8.63	.96	.....	5.2	5.7

* At Dutch Harbor 6 a. m. and 6 p. m., local time; at Eagle 8 a. m. and 7 p. m., local time.

Annual meteorological summary for the year ending December 31, 1917—Continued.

YELLOWSTONE PARK, WYO.

[H=6,200 ft.; h_t=11 ft.; h_r=4 ft.; h_a=48 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	10.3	S.	42	SW.	1	1	0	0	2	31	16	1	10	1	7	7	17	12	6	23	12	0	0	31	0	31	0	1
February	8.7	S.	42	SW.	1	5	2	0	2	26	15	3	3	0	6	11	11	11	8	20	11	0	0	15	0	28	0	0
March	9.5	S.	39	SW.	0	9	0	0	2	23	14	4	10	0	9	12	10	13	11	18	12	0	0	25	0	30	0	0
April	8.7	S.	36	NW.	0	14	2	0	2	11	17	1	13	0	5	12	13	17	12	16	14	0	0	2	0	27	0	0
May	8.2	NW.	37	S.	0	5	5	0	3	14	12	3	19	1	11	8	12	10	9	7	5	2	0	0	0	17	4	0
June	8.0	SW.	37	S.	0	1	0	0	1	19	23	5	10	1	13	14	3	7	4	6	4	0	0	0	0	10	3	0
July	7.2	S.	39	SW.	0	4	0	1	1	23	15	6	12	0	17	14	0	7	3	0	0	0	0	0	0	0	5	0
August	6.3	SW.	33	S.	0	6	2	2	1	17	17	3	14	0	11	16	4	4	2	0	0	0	0	0	0	0	7	0
September	6.7	S.	32	SW.	0	7	3	0	0	15	25	2	6	2	9	13	8	9	8	1	1	3	0	0	0	0	6	0
October	7.5	SW.	39	S.	0	1	1	0	0	10	21	7	19	3	14	9	8	9	8	8	7	0	0	4	0	23	0	0
November	6.0	S.	32	S.	0	3	4	1	4	26	15	4	3	0	9	15	6	5	4	3	3	0	0	0	0	29	0	0
December	10.5	S.	37	SW.	0	2	0	0	5	29	13	1	12	0	1	5	25	22	18	22	20	0	0	12	0	24	0	0
Year	8.1	S.	42	SW.	2	58	19	4	23	244	203	40	131	8	112	136	117	126	93	124	89	5	0	89	0	219	25	1

YUMA, ARIZ.

[H=141 ft.; h_t=9 ft.; h_r=2 ft.; h_a=54 ft.]

January	5.8	N.	21	N.	0	38	3	2	1	7	1	5	5	0	16	8	7	4	1	0	0	0	0	0	0	0	1	0
February	6.6	N.	27	N.	0	23	3	1	3	10	1	10	5	0	25	2	1	1	1	0	0	0	0	0	0	0	0	0
March	7.5	N.	39	N.	0	24	5	1	2	2	0	15	13	0	31	0	0	0	0	0	0	0	0	0	3	0	0	0
April	6.5	W.	30	N.	0	6	0	1	3	6	17	18	9	0	28	1	1	2	2	0	0	0	0	0	10	0	0	0
May	6.7	W.	34	NW.	0	2	2	0	1	9	16	28	4	0	29	2	0	0	0	0	0	0	0	0	11	0	1	0
June	4.6	SW.	27	S.	0	2	1	2	1	12	22	18	2	0	30	0	0	0	0	0	0	0	0	0	30	0	0	0
July	5.8	SW.	37	S.	0	1	4	5	8	11	24	7	2	0	9	17	5	3	2	0	0	0	0	0	31	0	6	0
August	4.7	SW.	46	S.	1	2	2	3	5	12	26	10	2	0	27	4	0	2	1	0	0	0	0	0	31	0	2	0
September	4.5	SW.	24	NW.	0	8	7	4	2	12	19	3	4	1	22	6	2	1	1	0	0	0	0	0	30	0	2	0
October	4.7	N.	30	N.	0	19	13	0	2	6	5	9	8	0	31	0	0	0	0	0	0	0	0	0	20	0	0	0
November	4.6	N.	18	N.	0	27	17	3	1	2	2	3	5	0	28	2	0	0	0	0	0	0	0	0	0	0	0	0
December	4.7	N.	31	N.	0	33	22	1	1	1	1	0	3	0	29	1	1	0	0	0	0	0	0	0	0	0	0	0
Year	5.6	N.	46	S.	1	185	79	23	30	90	134	126	62	1	305	43	17	13	11	0	0	0	0	0	166	0	12	0

DUTCH HARBOR, ALASKA.

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

January	.....	NW.	.....	.....	.....	5	8	3	10	0	5	3	17	11	.....	.....	.....	16	15	.....	.....	.....	.....	10	0	29	.....	.....
February	.....	SE.	.....	.....	.....	3	4	1	31	5	4	0	3	5	.....	.....	.....	13	10	.....	.....	.....	.....	3	0	17	.....	.....
March	.....	SW.	.....	.....	.....	2	2	0	10	5	21	8	6	8	.....	.....	.....	18	17	.....	.....	.....	.....	3	0	26	.....	.....
April	.....	NW.	.....	.....	.....	6	6	1	8	8	5	2	19	5	.....	.....	.....	17	14	.....	.....	.....	.....	6	0	21	.....	.....
May	.....	SE.	.....	.....	.....	3	6	1	25	6	4	1	5	11	.....	.....	.....	19	14	.....	.....	.....	.....	0	0	7	.....	.....
June	.....	SE.	.....	.....	.....	0	7	0	16	11	2	0	1	23	.....	.....	.....	5	5	.....	.....	.....	.....	0	0	0	.....	.....
July	.....	SE.	.....	.....	.....	4	3	1	12	10	9	1	4	18	.....	.....	.....	9	9	.....	.....	.....	4	0	0	0	.....	.....
August	.....	SE.	.....	.....	.....	1	3	0	18	2	6	1	9	22	.....	.....	.....	13	10	.....	.....	.....	1	0	0	0	.....	.....
September	.....	SE.	.....	.....	.....	0	2	0	22	1	3	0	10	22	.....	.....	.....	21	20	.....	.....	.....	.....	0	0	0	.....	.....
October	.....	SE.	.....	.....	.....	4	2	1	20	0	6	0	13	16	.....	.....	.....	21	19	.....	.....	.....	.....	2	0	8	.....	.....
November	.....	NW.	.....	.....	.....	4	0	1	3	0	2	6	33	11	2	1	27	17	11	.....	.....	.....	.....	9	0	29	.....	.....
December	.....	SE.	.....	.....	.....	1	5	3	23	0	1	0	19	10	0	1	30	23	17	.....	.....	.....	.....	4	0	15	.....	.....
Year	.....	SE.	.....	.....	.....	33	48	12	198	48	68	22	139	162	.....	.....	.....	192	161	.....	.....	.....	.....	37	0	152	.....	.....

EAGLE, ALASKA.

[H=815 ft.; h_t=6 ft.; h_r=3 ft.; h_a=— ft.]

January	.....	SE.	.....	.....	.....	3	3	0	8	0	0	0	2	15	15	4	12	10	3	12	10	0	0	31	0	31	0	16
February	.....	SE.	.....	.....	.....	2	2	7	25	0	0	2	6	12	10	4	14	7	3	10	7	0	0	26	0	28	0	11
March	.....	SE.	.....	.....	.....	4	2	1	20	0	1	2	15	17	10	6	15	6	4	11	6	0	1	28	0	31	0	8
April	.....	NW.	.....	.....	.....	1	9	1	7	2	2	4	11	23	12	11	7	2	1	1	1	0	0	5	0	28	0	8
May	.....	NE.	.....	.....	.....	1	17	5	14	1	1	3	12	8	7	11	13	5	4	3	2	1	0	4	0	17	0	0
June	.....	NW.	.....	.....	.....	3	7	5	8	0	1	4	11	21	8	12	10	12	9	0	0	0	0	0	0	5	1	0
July	.....	SE.	.....	.....	.....	4	3	5	15	4	1	1	7	22	1	7	23	20	9	0	0	0	0	0	0	0	0	0
August	.....	SE.	.....	.....	.....	0	9	5	14	2	1	1	6	24	9	11	11	11	8	0	0	0	1	0	0	1	3	0
September	.....	NW.	.....	.....	.....	0	1	10	8	2	1	9	11	18	5	9	16	7	4	2	2	0	1	0	0	13	0	0
October	.....	NW.	.....	.....	.....	3	2	7	6	3	1	5	27	8	3	9	19	13	6	15	11	0	1	15	0	28	0	8
November	.....	NW.	.....	.....	.....	2	5	2	0	0	0	2	23	26	7	4	19	11	7	14	11	0	0	30	0	30	0	2
December	.....	E.	.....	.....	.....	2	7	10	8	0	0	0	5	30	27	2	2	0	0	1	0	0	0	31	0	31	0	11
Year	.....	NW.	.....	.....	.....	25	67	58	133	14	9	33	136	224	114	90	161	104	58	69	50	1	4	170	0	243	4	64

*By eye observations at Dutch Harbor and Eagle.

†See note on page 174.

Annual meteorological summary for the year ending December 31, 1917—Continued.

JUNEAU, ALASKA.

[ϕ=58° 18′ N.; λ=134° 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	29.911	30.680	29.010	22.9	22.8	27.5	18.6	23.0	41	−12	19	17	84	78	0.119	0.114	10.26	1.83	8.3	8.1	8.4
February	30.048	30.600	29.540	24.5	27.3	32.4	22.1	27.2	46	−15	14	18	67	69	.110	.122	5.91	1.61	5.2	5.9	5.3
March	29.759	30.580	28.580	31.5	33.1	38.3	28.5	33.4	45	18	24	25	74	72	.131	.137	4.20	.74	7.6	7.7	7.5
April	29.848	30.413	29.010	39.0	42.2	51.0	32.8	41.9	64	25	30	30	71	64	.167	.170	1.69	.56	6.1	5.8	5.5
May	29.964	30.253	29.520	46.6	48.2	54.7	39.5	47.1	69	30	40	41	78	77	.246	.258	3.53	.86	6.9	7.7	6.8
June	29.938	30.260	29.440	51.3	52.9	58.5	45.3	51.9	75	40	42	46	80	78	.300	.308	5.30	1.05	8.2	8.7	8.3
July	29.900	30.219	29.550	51.8	53.5	58.0	47.4	52.7	73	41	49	50	92	88	.352	.361	10.50	1.48	8.5	8.0	8.5
August	29.985	30.341	29.455	52.0	54.8	60.9	48.3	54.6	78	40	50	52	93	89	.358	.381	11.08	2.05	8.8	7.2	7.6
September	29.769	30.170	29.190	46.9	49.5	56.7	44.3	50.5	69	41	45	47	92	91	.298	.320	12.27	2.12	7.0	7.7	7.1
October	29.835	30.280	29.086	41.1	41.9	46.5	36.0	42.2	55	28	39	39	91	90	.238	.244	18.64	2.03	8.8	9.0	9.2
November	29.558	30.161	28.610	36.9	37.7	41.9	32.8	37.4	54	8	33	33	87	82	.200	.197	16.77	2.09	8.7	8.5	9.0
December	29.834	30.390	29.070	14.1	15.0	17.8	11.4	14.6	37	− 2	6	7	69	70	.062	.067	6.37	.92	7.6	7.6	8.2
Year	29.862	30.680	28.580	38.2	39.9	45.4	34.1	39.7	78	−15	33	34	82	79	.215	.223	106.52	2.12	7.6	7.7	7.6

KODIAK, ALASKA.

[ϕ=57° 47′ N.; λ=152° 22′ W.]

January	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
March	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
April	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May (part)	29.908	30.397	28.928	41.9	42.6	46.7	38.7	42.7	61	34	.....	.....	.....	.....	.....	.....	4.97	1.22	8.2	8.0	.....
June	29.932	30.380	29.534	47.9	49.6	54.0	43.4	48.7	71	37	.....	.....	.....	.....	.....	.....	2.65	1.11	6.7	6.1	.....
July	29.868	30.250	29.583	52.4	54.0	58.1	47.5	52.8	71	41	.....	.....	.....	.....	.....	.....	2.73	1.09	6.9	6.8	.....
August	29.813	30.201	29.133	49.8	50.5	53.5	47.4	50.4	67	43	.....	.....	.....	.....	.....	.....	9.16	2.63	8.8	8.8	.....
September	29.636	30.166	28.682	46.0	46.5	50.7	41.4	46.0	57	34	.....	.....	.....	.....	.....	.....	3.55	1.68	6.1	8.0	.....
October	29.670	30.310	29.060	39.9	40.3	43.8	34.8	39.3	52	12	.....	.....	.....	.....	.....	.....	6.33	1.68	4.8	6.0	.....
November	29.456	30.080	28.850	26.4	27.5	30.9	20.0	25.4	40	8	.....	.....	.....	.....	.....	.....	1.00	.44	6.6	7.7	.....
December	29.724	30.280	28.781	27.3	27.7	30.8	23.1	27.0	40	9	.....	.....	.....	.....	.....	.....	4.61	1.18	5.9	5.6	.....
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

NOME, ALASKA.

[ϕ=64° 30′ N.; λ=165° 24′ W.]

January	30.102	30.954	29.091	.....	-10.7	− 2.6	-19.5	-11.0	32	−40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February	29.904	30.570	29.259	.....	21.9	25.0	11.8	18.4	40	−26	.....	.....	.....	.....	.....	.....	0.14	0.04	.....	.....	.....
March	29.708	30.259	29.010	.....	17.5	23.9	6.9	15.4	36	−27	.....	.....	.....	.....	.....	.....	.38	.12	.....	.....	.....
April	30.050	30.508	29.522	.....	24.5	28.0	11.2	19.6	44	−12	.....	.....	.....	.....	.....	.....	.02	.02	.....	.....	.....
May	29.950	30.458	29.329	37.2	39.4	43.0	27.2	35.1	58	4	.....	.....	.....	.....	.....	.....	.25	.06	6.0	6.7	.....
June	29.886	30.484	29.510	46.1	46.1	50.5	39.3	44.9	65	31	.....	.....	.....	.....	.....	.....	4.41	2.30	7.3	7.0	.....
July	29.783	30.304	29.484	51.2	51.9	56.7	43.6	50.2	79	34	.....	.....	.....	.....	.....	.....	1.48	.52	6.2	5.6	.....
August	29.766	30.201	29.314	50.6	53.4	56.5	46.8	51.6	70	37	.....	.....	.....	.....	.....	.....	4.01	.92	7.8	7.6	7.4
September	29.672	30.058	29.080	37.2	43.3	46.5	35.4	41.0	57	24	.....	.....	.....	.....	.....	.....	2.45	.84	6.3	6.5	.....
October	29.796	30.650	28.900	27.5	29.6	32.6	25.1	28.8	46	3	.....	.....	.....	.....	.....	.....	1.09	.45	6.3	6.3	.....
November	29.992	30.470	29.630	1.7	4.0	9.0	−3.3	2.8	18	−18	.....	.....	.....	.....	.....	.....	.17	.09	3.2	3.2	3.5
December	30.266	30.770	29.702	2.4	1.6	7.9	−3.7	2.1	25	−22	.....	.....	.....	.....	.....	.....	T.	T.	1.2	1.3	.....
Year	29.906	30.954	28.900	.....	26.9	31.4	18.4	24.9	79	−40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

SITKA, ALASKA.

[ϕ=57° 4′ N.; λ=135° 20′ W.]

January	29.846	30.668	29.267	.....	28.1	34.9	23.7	29.3	46	− 1	.....	.....	.....	.....	.....	.....	8.65	1.52	.....	7.0	.....
February	29.918	30.562	29.419	.....	32.1	40.2	25.4	32.8	53	− 4	.....	.....	.....	.....	.....	.....	3.78	1.05	.....	5.6	.....
March	29.682	30.378	28.606	.....	34.3	42.5	29.3	35.9	52	19	.....	.....	.....	.....	.....	.....	4.00	.66	.....	6.2	.....
April	29.809	30.374	29.197	.....	40.4	50.7	33.5	42.1	68	27	.....	.....	.....	.....	.....	.....	.88	.30	.....	6.0	.....
May	29.958	30.263	29.573	.....	45.2	53.9	38.4	46.2	62	30	.....	.....	.....	.....	.....	.....	3.03	1.22	.....	8.0	.....
June	29.918	30.206	29.385	.....	49.6	56.0	43.9	50.0	74	37	.....	.....	.....	.....	.....	.....	3.54	1.26	.....	8.1	.....
July	29.897	30.214	29.608	.....	53.0	b9.8	46.8	53.3	69	41	.....	.....	.....	.....	.....	.....	6.02	1.09	.....	8.2	.....
August	29.954	30.245	29.432	.....	54.5	61.4	49.6	55.5	69	41	.....	.....	.....	.....	.....	.....	8.08	1.33	.....	7.7	.....
September	29.713	30.134	29.025	.....	50.0	58.8	44.9	51.8	70	40	.....	.....	.....	.....	.....	.....	10.00	1.70	.....	6.8	.....
October	29.795	30.272	29.154	.....	43.9	49.0	38.9	44.0	60	29	.....	.....	.....	.....	.....	.....	20.73	2.78	.....	8.7	.....
November	29.465	29.972	28.800	.....	41.1	46.3	35.0	40.6	56	18	.....	.....	.....	.....	.....	.....	14.81	2.02	.....	8.5	.....
December	29.643	30.122	28.969	.....	28.6	33.3	22.2	27.8	50	4	.....	.....	.....	.....	.....	.....	9.78	2.28	.....	7.6	.....
Year	29.800	30.668	28.606	.....	41.7	48.9	36.0	42.4	74	− 4	.....	.....	.....	.....	.....	.....	93.30	2.78	.....	7.4	.....

* Local time; and hour at Kodiak, 7; at Nome, 6.

Annual meteorological summary for the year ending December 31, 1917—Continued.

JUNEAU, ALASKA.

[H=80 ft.; h_1=11 ft.; h_2=5 ft.. h_3=49 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		NW.	28			7	21	3	9	11	2	3	5	1	4	3	24	20	19	21	17	0	0	14	0	24	0	0
February	5.9	NW.	28		0	8	7	13	5	9	4	5	4	1	13	3	12	13	11	7	4	0	1	9	0	19	0	0
March	5.5	S.	36		0	2	7	7	16	13	4	2	6	5	6	3	22	19	16	17	16	0	0	1	0	23	0	0
April	4.0	S.	16		0	9	5	7	6	18	6	3	5	1	9	10	11	7	7	2	1	0	0	0	0	14	0	0
May	4.4	S.	22		0	3	4	3	7	26	6	6	7	0	7	7	17	14	12	0	0	0	0	0	0	2	0	0
June	3.8	S.	20		0	4	3	3	1	30	7	4	7	1	2	6	22	18	16	0	0	0	0	0	0	0	0	0
July	3.7	S.	13		0	3	2	6	9	29	4	5	3	1	4	2	25	23	23	0	0	0	0	0	0	0	0	0
August	3.7	S.	18		0	1	2	8	6	27	4	4	4	6	4	6	21	22	20	0	0	0	0	0	0	0	0	3
September	4.5	S.	24		0	6	5	14	12	15	1	1	1	5	8	2	20	19	18	0	0	0	1	0	0	0	1	1
October	4.9	SW.	24		0	3	9	14	17	12	5	2	0	0	1	4	26	29	27	6	4	0	1	0	0	4	0	0
November	6.2	SW.	32		0	4	5	16	17	6	0	6	5	1	2	2	26	26	25	10	10	0	0	2	0	10	0	0
December	7.9	NE.	30	NE.	0	3	20	7	15	3	3	2	5	4	5	1	25	21	17	22	20	0	0	28	0	31	0	0
Year		S.				53	90	101	120	199	46	43	52	26	65	49	251	231	211	85	72	0	3	54	0	127	1	4

KODIAK, ALASKA.

[H=20 ft.; h_1=—ft.; h_2=—ft.: h_3=—ft.]

January																												
February																												
March																												
April																												
May (part)		SE.				3	3	5	6	0	1	1	1	0	1	5	13	15	12					0	0	0		
June		N.				11	7	6	7	3	1	5	2	19	9	10	11	12	8					0	0	0		
July		SW.				7	9	7	8	7	11	4	2	7	8	9	14	11	11				1	0	0	0		
August		E.				13	11	13	4	2	1	1	2	15	2	3	26	23	21					0	0	0		
September															4	17	9	13	10					0	0	0		
October		S.				2	8	7	8	15	3	8	5	6	6	13	12	15	14					4	0	7		
November		NW.				6	1	1	2	3	1	15	28	3	6	6	18	12	8					19	0	28		
December		NW.				14	1	0	0	0	4	8	28	7	8	10	13	14	12					18	0	27		
Year																												

NOME, ALASKA.

[H=22 ft.; h_1=3 ft.; h_2=32 ft.; h_3=38 ft.]

January		N.				6	3	1	1	0	0	1	0	19	20	6	5							31	0	31		
February	2.5	E.				1	5	28	3	0	0	1	0	9				7	1	10	7			21	0	28		
March	2.3	E.				11	6	14	14	1	5	4	0	7				10	5	12	9			23	0	31		
April		NE.				11	21	13	0	0	0	0	5	10				1	0	0	0			20	0	28		
May	2.0	NE.	8			9	23	5	6	4	3	4	7	1	6	10	15	11	2	1	0			4	0	18		
June	4.3	W.	24			0	5	5	14	8	9	16	2	1				18	12	0	0			0	0	1		
July	5.1	W.	27			8	6	4	5	2	16	18	2	1				12	7	0	0			0	0	0		
August	8.9	NE.	27			10	15	8	9	10	9	1	0	0	4	8	19	19	15	0	0			0	0	0		
September	7.7	N.	33			23	10	3	7	4	3	0	10	0	5	8	17	6	5	T.	0			0	0	14		
October	8.0	NE.	30			6	33	4	5	3	2	1	8	0	7	10	14	9	7	4				12	0	20		
November	5.2	N.	30			31	27	1	0	0	0	0	1	0	19	2	9	5	2	7	5			30	0	30		
December	6.6	N.	50			50	8	2	1	0	0	0	1	0	26	3	2	0	0	1	0			31	0	31		
Year		N.				166	162	88	65	32	47	46	36	48										172	0	232		

SITKA, ALASKA.

[H=90 ft.; h_1=3 ft.; h_2=2 ft.: h_3=— ft.]

January		NW.				5	9	7	0	1	1	5	0	3	5	5	21	20	19	13	7	1	3	7	0	27		
February		SE.				2	5	3	6	1	1	2	3	5	10	4	14	13	10	4		0		7	0	19		
March		NE.				2	7	4	0	2	3	2	3	8	6	7	18	14	14	16		1		0	0	23		
April		W.				3	4	5	2	0	1	4	2	9	10	10	10	8	6	1	0	0		0	0	13		
May		W.				0	2	3	1	1	3	6	6	9	4	8	19	15	12	1	0	0		0	0	4		
June		SW.				2	1	1	2	1	9	4	8	2	4	6	20	15	11	0	0	0		0	0	0		
July		SW.				2	1	2	0	1	11	4	4	6	3	5	23	23	22	0	0	0		0	0	0		
August		SW.				1	0	1	2	3	7	2	6	9	6	6	19	19	19	0	0	0	1	0	0	0		1
September						1	5	8	2	2	1	2	4	5	8	8	14	18	17	0	0	0		0	0	0	3	
October						1	5	10	0	1	2	4	1	7	1	8	22	31	28	0	0	0		0	0	2	0	
November						2	3	11	3	3	1	2	0	5	2	4	24	26	25	3		0		1	0	10		
December		NW.				2	13	12	0	0	3	1	0	0	5	0	26	20	19	14	13	0		14	0	26		
Year		E.				23	55	67	18	16	43	38	37	68	64	71	230	222	202	52		2		29	0	124		

* Prevailing direction by eye observations.

† See note on page 176.

Annual meteorological summary for the year ending December 31, 1917—Continued.

TANANA, ALASKA.

[ϕ=65° 10′ N.; λ=152° 6′ 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	29.897	30.949	28.493	-32.0	-28.7	-20.4	-40.3	-30.4	34	-62							0.93	0.35	2.6	2.6	
February	29.844	30.553	29.030	- 1.6	4.8	10.1	- 7.8	1.2	28	-40							1.85	1.13	5.1	5.3	
March	29.598	30.091	28.920	2.4	12.6	20.9	- 3.3	8.8	38	-36							.16	.06	5.9	5.3	
April	29.774	30.300	29.153	22.6	35.6	42.1	11.3	26.7	60	-16							.03	.02	3.6	3.2	
May	29.742	30.101	29.010	43.1	50.8	56.3	30.2	43.2	82	10							.21	.14	3.3	5.2	
June	29.685	30.210	29.300	53.6	61.1	68.1	44.3	56.2	81	31							1.19	.39	7.1	6.5	
July	29.554	30.010	29.220	53.7	59.8	66.8	45.6	56.2	85	32							5.18	.90	7.4	7.8	
August	29.636	30.071	29.021	52.5	62.1	68.4	44.5	56.4	79	33							1.06	.38	6.7	5.8	
September	29.445	29.989	28.730	38.0	43.6	50.3	35.5	42.9	72	20							1.96	.72	8.3	8.3	
October	29.617	30.300	28.902	19.7	22.0	27.7	16.5	22.1	48	-13							.39	.18	7.5	6.4	6.5
November	29.682	30.480	29.120	-17.6	-15.2	-10.6	-22.7	-16.6	13	-51							.41	.20	3.6	3.1	3.2
December	30.075	30.468	29.410	-30.0	-28.5	-24.5	-35.3	-29.9	-9	-52							.01	.01	0.6	0.6	1.0
Year	29.712	30.949	28.493	17.0	23.3	29.6	9.9	19.7	85	-62							13.38	1.13	5.1	5.0	

VALDEZ, ALASKA.

[ϕ=61° 7′ N.; λ=146° 16′ W.]

January	29.891	30.569	28.690	19.0	17.1	22.3	10.1	16.2	34	-20							5.27	1.24			
February	30.031	30.664	29.344	16.2	18.6	29.4	9.4	19.4	45	-24							3.49	1.22			
March	29.746	30.463	28.580	22.2	26.2	33.9	17.7	25.8	40	3							1.56	.47			
April	29.934	30.520	29.050	32.1	33.7	45.2	23.5	34.4	58	7							.41	.18			
May	29.999	30.375	29.365	43.2	44.6	50.6	35.6	43.1	61	28							1.32	.43			
June	29.982	30.372	29.559	48.9	51.5	56.6	43.3	50.0	73	36							1.24	.22			
July	29.905	30.289	29.659	49.7	52.0	56.2	44.2	50.2	72	37							4.54	1.25			
August	29.970	30.400	29.280	49.6	52.4	57.5	43.9	50.7	64	35							2.15	.56			
September	29.722	30.218	29.071	40.8	43.5	49.3	37.3	43.3	59	29							10.28	3.23			
October	29.759	30.290	28.760	33.1	34.4	40.8	29.3	35.0	53	20							6.23	1.51			
November	29.511	30.210	28.953	24.3	22.6	29.2	16.6	22.9	35	5							4.58	1.37			
December				7.1	8.2	13.2	1.9	7.6	30	-18							.14	.10			
Year				32.2	33.7	40.4	26.1	33.2	73	-24							41.21	3.23			

HONOLULU, HAWAII.

[ϕ=21° 19′ N.; λ=157° 52′ W.]

January	29.940	30.132	29.680	69.8	70.0	75.5	65.5	70.5	79	59	60	62	73	75	0.525	0.550	8.37	2.66	4.8	4.4	4.8
February	30.002	30.190	29.790	70.2	70.0	75.1	65.3	70.2	78	59	60	61	72	74	.531	.550	2.05	1.03	5.0	4.0	4.9
March	30.004	30.190	29.660	71.7	71.4	76.6	67.2	71.9	81	62	62	62	73	73	.565	.557	15.87	13.52	7.0	6.3	6.9
April	30.042	30.140	29.840	74.1	72.4	78.7	68.2	73.4	81	65	62	62	66	71	.550	.565	1.61	.99	4.7	4.4	5.2
May	30.036	30.133	29.910	76.0	74.2	80.2	70.1	75.2	84	66	64	64	66	71	.585	.599	1.65	.78	3.5	3.6	4.4
June	30.044	30.130	29.920	76.7	75.6	81.6	72.2	76.9	84	68	64	63	64	66	.586	.584	.56	.14	5.3	3.7	4.3
July	30.025	30.090	29.900	77.5	76.3	82.6	72.2	77.4	84	69	63	64	61	66	.573	.592	.56	.12	5.3	4.4	4.4
August	30.022	30.100	29.920	78.9	77.0	83.9	73.5	78.7	86	71	64	65	61	66	.595	.611	1.12	.32	4.2	3.5	4.1
September	30.005	30.080	29.850	78.7	77.3	83.7	73.1	78.4	85	70	65	65	64	66	.623	.614	.67	.21	4.5	2.0	3.7
October	29.940	30.036	29.770	78.1	75.6	82.6	71.6	77.1	85	68	66	65	66	70	.632	.622	1.47	.67	2.8	3.3	4.1
November	29.996	30.100	29.770	75.3	74.6	79.9	69.8	74.8	83	61	64	65	69	72	.602	.610	3.07	.72	5.5	3.5	5.2
December	29.910	30.030	29.730	73.8	73.2	78.3	68.6	73.4	82	65	64	64	72	73	.601	.596	4.64	1.42	4.9	4.6	5.4
Year	29.997	30.190	29.660	75.1	74.0	79.9	69.8	74.8	86	59	63	64	67	70	.581	.588	41.64	13.52	4.8	4.0	4.8

* Local time; and hour 7 at Tanana and Valdez.

Annual meteorological summary for the year ending December 31, 1917—Continued.

TANANA, ALASKA.

[H=498 ft.; h_t=4 ft.; h_r=3 ft.; h_a=— ft.]

Month.	Wind.					Number of winds, 8 a. m. and 8 p. m.†									Number of days.												
	By self-register.*																									
	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.	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		W.				4	10	10	2	1	4	21	7	0	21	4	6	6	5	6	6			30	0	31		
February						1	18	19	4	1	7	2	4	0	13	3	12	7	6	7	7		1	28	0	28		
March						3	12	21	7	1	4	8	5	1	10	8	13	7	1	10	7			29	0	31		
April		N.				7	18	10	9	0	8	3	5	0	15	11	4	2	0	2	2			8	0	29		
May		S.				8	10	1	26	2	9	4	2	0	14	10	7	3	2	0	0			1	0	16		
June		W.				3	2	6	12	5	9	21	2	0	4	12	14	13	9	0	0			0	0	1		
July		W.				4	1	5	9	2	10	19	7	5	3	6	22	21	20	0	0			0	0	0		
August		E.				1	5	19	16	0	1	11	2	7	6	10	15	7	5	0	0			0	0	0		
September		N.				6	14	8	8	1	10	4	4	5	5	4	21	15	9	6	3		1	0	0	12		
October						9	5	21	10	0	1	3	3	7	6	8	17	10	2	7	6			17	0	24		
November		W.				5	2	4	1	0	3	24	1	20	16	8	6	6	3	10	6			30	0	30		
December		E.				2	7	15	3	0	3	10	7	15	26	5	0	1	0	2	1			31	0	31		
Year		E.				53	104	142	107	13	69	133	49	60	139	89	137	98	62	50	38			174	0	233		

VALDEZ, ALASKA.

[H=27 ft.; h_t=5 ft.; h_r=4 ft.; h_a=— ft.]

January		N.				0	19	0	0	0	0	0	0	40				17	14	19	17			27	0	31		
February		N.				0	11	1	0	0	1	0	0	43	16	6	6	10	8	8	8			13	0	28		
March						0	6	9	0	0	0	0	0	47	10	8	13	9	7	10	8			10	0	31		
April						0	1	6	0	0	0	0	0	53	21	4	5	4	3	2	1			1	0	26		
May		SW.				0	3	2	0	0	6	0	0	51	11	2	18	13	11	0	0			0	0	7		
June		SW.				0	0	0	0	0	21	0	0	39	6	9	15	14	10	0	0			0	0	0		
July		SW.				1	0	0	0	0	4	0	0	57	4	6	21	21	17	0	0			0	0	0		
August		SW.				0	0	0	0	0	2	0	0	60	9	7	15	19	14	0	0			0	0	0		
September		N.				0	2	0	0	0	0	0	0	58	7	2	21	24	20	0	0			0	0	0		
October		N.				3	5	0	0	0	2	0	0	52	11	5	15	15	13	8				2	0	21		
November		N.				7	16	0	0	0	0	0	0	37	8	5	17	19	13	18	17			21	0	30		
December		N.				20	16	9	0	0	0	0	0	17	20	4	7	2	2	3	2			31	0	31		
Year		NE.				31	79	27	0	0	36	0	0	554				167	132	68				105	0	211		

HONOLULU, HAWAII.

[H=38 ft.; h_t=111 ft.; h_r=99 ft.; h_a=119 ft.]

January	8.1	NE.	31	SE.	0	5	29	16	4	1	0	0	4	3	15	7	9	17	9	0	0	0	0	0	0	0	2	0
February	7.9	NE.	48	SW.	1	8	16	3	1	4	13	1	4	6	8	14	6	9	6	0	0	0	0	0	0	0	1	0
March	7.7	NE.	33	NE.	0	2	29	19	3	2	2	0	0	5	3	10	18	19	17	0	0	0	0	0	0	0	3	0
April	7.6	NE.	26	NE.	0	2	22	31	0	0	1	1	0	3	11	11	8	16	8	0	0	0	0	0	0	0	1	0
May	6.4	NE.	24	[illegible]	0	3	21	23	2	1	1	1	2	8	12	14	5	11	7	0	0	0	0	0	0	0	4	0
June	7.5	NE.	26	[illegible]	0	0	33	23	1	1	0	0	1	1	9	18	3	10	6	0	0	0	0	0	0	0	6	0
July	8.3	NE.	26	NE.	0	0	32	26	2	0	1	0	1	0	9	22	0	11	7	0	0	0	0	0	0	0	0	0
August	7.8	NE.	24	NE.	0	0	29	30	2	0	0	1	0	0	14	15	2	17	8	0	0	0	0	0	0	0	0	0
September	7.8	NE.	24	NE.	0	2	34	19	2	1	0	0	0	2	15	15	0	16	5	0	0	0	0	0	0	0	0	0
October	6.2	NE.	30	[illegible]	0	1	22	22	4	2	3	0	3	5	13	16	2	15	7	0	0	0	0	0	0	0	0	0
November	7.5	NE.	28	[illegible]	0	2	33	18	0	0	2	0	0	5	6	19	5	18	14	0	0	0	0	0	0	0	1	0
December	7.6	NE.	31	SW.	0	8	20	15	1	2	6	3	2	5	9	13	9	18	12	0	0	0	0	0	0	0	2	0
Year	7.5	NE.	48	SW.	1	33	320	245	22	14	29	7	17	43	124	174	67	177	106	0	0	0	0	0	0	0	14	0

* By eye observations at Tanana and Valdez.

† See note on page 178.

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PART IV.

MONTHLY AND ANNUAL PRECIPITATION, 1917 (ALL STATIONS)—MONTHLY AND SEASONAL SNOWFALL, SEASON 1917–18 (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 gages 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 monthly and seasonal amounts of snowfall for the winter of 1917–18 are given for selected stations in the United States and Canada.

Monthly and annual precipitation for 1917.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alabama.													
Alaga	6.81	5.09	3.74	2.02	0.82	3.69	4.53	15.55	4.89	0.22	0.94	0.81	49.11
Anniston	7.45	7.10	12.49	4.17	1.68	5.97	5.03	11.17	4.83	1.38	1.85	1.01	64.13
Ashville	14.38	7.40	.....	.....	2.77	3.00	.....	5.60	4.00	1.70	1.10	.....	.....
Auburn	5.79	4.93	12.09	.....	.....	.....	6.10	5.52	6.40	0.86	0.56	1.32	.....
Bay Minette	4.35	4.50	4.57	3.76	2.58	3.44	7.61	8.77	12.61	0.51	1.00	2.62	56.32
Benton	8.82	5.07	13.57	3.62	1.91	1.31	5.35	6.60	9.11	2.66	1.66	1.92	61.60
Bermuda	.....	7.11	9.15	.....	.....	2.95	4.53	5.08	.....	.....	.....	.....	.....
Birmingham	6.79	5.89	11.85	4.52	3.85	3.44	3.71	8.98	6.01	1.83	1.55	1.48	59.90
Bridgeport	6.30	6.62	17.59	3.92	3.46	4.86	9.48	3.61	2.92	2.51	1.15	2.01	64.43
Calera	8.24	6.19	9.17	4.33	1.33	5.83	4.13	8.31	5.77	2.01	2.65	0.65	58.61
Camp Hill	6.83	5.32	11.12	2.82	2.43	2.40	6.67	8.86	8.90	0.85	0.00	2.28	58.48
Centerville	9.71	6.93	8.43	4.83	0.96	2.06	4.90	5.40	7.92	2.38	1.49	1.60	56.61
Citronelle	5.66	6.63	5.78	2.96	1.63	0.96	7.59	6.97	5.95	1.52	1.91	2.66	50.22
Clanton	7.40	4.15	7.13	3.10	0.61	3.26	5.34	8.63	8.65	1.36	1.52	0.84	51.90
Cochrane	5.40	5.77	8.90	3.65	2.41	1.25	4.16	5.70	2.65	1.35	1.93	1.75	44.92
Cordova	7.84	5.12	8.94	4.44	3.01	5.21	5.74	4.70	.....	.....	.....	.....	.....
Daleville	6.18	4.34	10.02	2.52	1.80	2.18	4.16	8.37	6.55	0.92	1.83	1.50	50.37
Daphne	3.22	4.12	2.70	1.70	1.76	.....	.....	.....	.....	.....	.....	.....	.....
Decatur	5.54	5.66	12.37	4.75	2.56	5.78	5.74	1.90	3.05	1.73	1.01	1.36	51.45
Demopolis	8.44	5.29	9.86	3.87	2.08	0.79	8.04	3.04	6.62	0.87	1.68	2.49	53.07
Eufala	4.73	6.94	7.46	3.08	2.50	3.21	7.94	10.44	4.97	0.90	0.97	1.44	54.58
Evergreen	4.52	7.07	7.64	2.41	1.39	3.72	5.51	7.24	10.14	1.60	1.20	2.84	55.28
Flomaton	3.60	.....	8.01	2.71	1.50	1.47	1.81	.....	.....	0.95	1.45	2.78	.....
Florence	6.67	4.28	12.87	3.54	3.08	3.80	5.79	1.91	4.73	1.69	1.41	2.19	51.96
Fort Deposit	4.62	4.82	7.21	2.89	1.50	2.50	4.09	2.56	8.69	0.52	2.60	2.29	45.29
Gadsden	7.27	7.13	8.64	5.12	4.05	5.47	4.29	4.63	2.80	3.54	1.65	0.88	55.47
Goodwater	8.66	4.84	5.19	1.98	2.03	2.86	9.18	13.48	6.08	0.64	0.59	1.92	57.45
Greensboro	8.99	4.79	7.52	4.50	0.99	0.56	5.85	2.79	6.46	0.85	1.02	2.20	46.52
Greenville	5.72	5.38	9.13	2.88	1.50	1.74	6.32	5.18	7.02	0.48	1.79	2.03	49.17
Guntersville	6.16	6.98	12.91	4.34	2.74	5.22	4.46	2.97	3.45	2.67	0.78	1.72	54.40
Hamilton	4.81	4.84	8.92	4.09	2.45	4.94	2.02	4.53	2.03	0.57	0.89	0.40	40.49
Healing Springs	6.42	6.27	7.85	3.43	0.82	1.96	4.20	4.64	4.47	2.60	1.20	3.30	47.16
Helena	.....	4.87	13.23	4.78	2.20	4.78	6.42	6.02	4.29	2.85	1.64	1.15	.....
Highland Home	5.28	6.27	7.77	2.72	3.61	2.40	7.01	7.99	9.77	0.96	1.27	1.60	56.65
Leeds	.....	6.20	12.86	4.40	2.95	2.74	7.57	6.19	3.69	.....	3.00	1.50	.....
Livingston	.....	3.40	3.80	1.37	0.47	0.15	8.48	2.70	1.65	0.04	0.08	0.85	.....
Lock No. 4	8.79	6.77	12.32	4.80	2.78	3.61	4.35	7.66	4.89	2.24	2.30	1.50	62.01
Madison	.....	.....	.....	4.13	3.10	5.03	7.10	1.29	3.68	1.82	1.09	1.06	.....
Maple Grove	8.05	5.31	9.57	4.48	4.23	4.02	3.54	9.75	2.83	2.27	1.59	0.98	56.62
Marion	.....	4.60	.....	.....	.....	.....	.....	1.40	7.95	0.93	0.96	1.20	.....
Mentone	6.26	5.17	14.68	2.64	2.51	6.86	5.45	5.03	6.59	2.04	1.56	1.65	60.04
Milstead	7.71	5.05	9.22	3.17	1.92	2.20	5.80	12.50	7.70	0.77	1.14	2.29	59.47
Mobile	3.04	4.95	2.28	2.50	2.05	2.23	10.54	6.42	6.90	0.70	1.43	1.85	44.89
Montgomery	7.38	4.86	10.65	2.66	1.80	1.33	5.28	3.04	12.00	0.82	1.87	1.86	53.53
Oneonta	6.66	6.35	10.01	4.59	5.08	5.08	6.63	3.47	2.57	1.97	1.29	1.47	55.17
Opelika	6.28	4.85	10.06	1.77	2.52	7.03	5.43	7.22	8.91	0.65	0.79	2.00	57.51
Ozark	4.39	8.02	8.62	3.05	1.42	3.14	10.10	7.42	5.66	1.26	1.18	1.67	56.93
Prattville	6.68	4.54	8.57	2.29	1.44	1.25	5.02	7.18	8.08	1.26	1.90	1.28	49.47
Pushmataha	9.30	5.65	8.04	2.88	0.83	2.44	5.16	4.71	6.15	1.15	1.43	3.03	50.77
Riverton	6.89	3.55	11.50	4.55	2.71	3.93	9.80	1.93	2.77	2.21	1.97	1.62	53.53
Robertsdale	3.35	3.00	1.66	2.15	5.76	3.87	6.35	6.02	23.33	1.19	1.05	3.03	60.75
Scottsdale	7.61	4.82	14.36	3.42	4.99	3.83	5.72	5.76	3.64	1.75	0.81	1.03	57.74
Selma	7.20	4.34	7.07	4.78	2.48	2.26	5.35	6.04	9.66	0.85	1.20	2.25	53.48
Spring Hill	3.89	4.68	3.54	2.98	1.28	1.87	5.66	8.80	7.14	0.98	0.85	2.05	43.90
St. Bernard	6.30	6.94	11.48	4.85	4.24	3.64	5.51	6.22	2.92	2.69	1.00	1.29	57.08
Talladega	10.74	7.65	12.73	5.47	3.30	5.70	8.18	11.44	5.36	1.30	2.10	1.65	75.62
Tallassee	6.45	5.73	17.03	2.88	1.52	2.66	6.97	9.53	6.98	0.91	1.70	1.72	64.08
Thomasville	7.17	3.74	7.99	2.29	0.61	2.27	10.29	5.94	8.85	2.76	1.45	2.25	55.61
Troy	4.09	6.27	8.20	3.32	1.65	1.99	7.74	4.18	9.60	1.41	0.98	1.42	50.85
Tuscaloosa	6.35	5.94	7.75	5.01	3.16	0.98	6.28	1.90	2.01	1.00	2.05	1.74	44.17
Tuscumbia	5.78	5.25	12.50	3.72	2.73	3.25	7.74	2.68	5.46	1.45	1.28	1.85	52.69
Tuskegee	5.78	.....	.....	2.10	2.78	2.82	2.51	6.71	7.06	0.80	0.61	1.42	.....
Union Springs	6.80	5.17	5.59	3.15	2.89	2.52	7.28	8.99	6.48	2.13	0.77	1.80	53.57
Uniontown	6.76	5.13	9.29	4.47	1.86	2.17	5.90	4.62	9.98	2.32	1.22	2.64	56.24
Valley Head	6.10	6.45	12.15	3.90	4.24	5.55	5.50	5.60	5.40	1.95	1.30	1.95	60.09
Wetumpka	7.55	6.11	12.13	2.34	1.97	2.66	5.68	5.18	10.11	1.39	1.40	1.33	58.05
Alaska.													
Akiak	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.20	0.00	0.08	.....
Akulurak	1.13	0.78	3.83	1.53	0.44	2.33	2.30	2.20	2.42	1.14	0.10	0.00	18.20
Allakaket	.....	0.80	.....	.....	0.33	0.55	2.87	0.50	2.30	0.79	0.45	0.05	.....
Anchorage	1.65	0.87	0.66	0.13	0.91	0.70	2.45	1.54	2.57	1.67	0.98	0.07	14.20
Annex Creek	9.30	6.71	3.72	0.74	3.39	5.14	12.15	15.78	12.84	19.59	20.92	9.32	119.60
Atka	9.06	5.06	10.66	2.69	2.83	.....	7.97	7.41	7.71	7.11	5.63	5.56	.....
Barrow	0.07	0.95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calder	9.49	5.02	7.67	4.45	3.38	4.13	5.16	10.50	16.82	21.10	33.07	11.10	131.89
Camp No. 4	17.38	11.30	13.06	2.73	7.62	6.78	22.18	.....	.....	35.64	.....	.....	.....
Camp No. 6	.....	.....	.....	.....	3.46	5.83	12.78	13.98	12.41	13.27	.....	.....	.....
Candle	.....	.....	.....	0.18	0.27	1.93	1.87	1.26	1.32	0.76	.....	.....	.....
Chickaloon	.....	.....	.....	.....	.....	.....	.....	.....	2.59	.....	.....	.....	.....
Chicken	.....	.....	.....	.....	0.07	0.70	3.14	0.96	0.40	.....	.....	.....	.....
Chitina	.....	.....	0.39	0.05	0.69	0.47	1.56	0.25	1.36	1.82	1.86	0.45	.....
Cordova	.....	.....	.....	2.25	6.26	4.64	9.31	14.73	30.85	11.24	12.92	2.12	.....
Crooked Creek	.....	.....	.....	.....	0.78	2.81	3.51	1.63	1.19	.....	.....	.....	.....
Dead Horse Hill	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.93	1.29	.....	.....
Dutch Harbor (a)	3.83	3.38	3.05	2.02	2.99	1.11	3.43	1.84	3.91	5.04	1.26	7.95	39.81
Dutch Harbor (b)	7.04	10.96	3.06	3.08	3.68	1.06	2.82	1.70	4.74	8.64	1.84	9.14	57.76
Eagle	0.28	0.62	0.34	0.09	0.50	2.26	1.71	0.74	0.75	0.69	0.65	T.	8.63
Fairbanks	0.41	0.42	0.20	0.24	0.35	1.09	4.11	1.48	0.28	0.64	0.40	0.22	9.84
Fortuman Hatcher	10.39	7.67	8.07	7.71	6.25	6.13	8.69	13.07	15.17	21.48	43.06	14.80	162.49
Fort Yukon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.30	0.04	.....
Gulkana	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.57	.....
Holy Cross	.....	.....	.....	.....	.....	.....	.....	.....	0.66	0.84	0.26	0.02	.....
Hot Springs	.....	0.40	0.80	0.13	0.26	1.74	6.00	1.04	2.72	0.35	.....	.....	.....
Jumbo Mine	16.44	9.84	15.47	6.94	6.95	8.82	11.11	19.98	19.88	32.41	61.46	18.70	227.60
Juneau	10.26	5.91	4.20	1.69	3.53	5.30	10.50	11.08	12.27	18.64	16.77	6.37	106.52

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alaska—Continued.													
Kennecott	2.86	1.85	0.90	.....	.....	.....	.....	.....	.....	0.55	0.66	0.62	.....
Ketchikan	10.99	10.37	7.56	8.25	6.30	10.00	10.08	25.07	13.27	23.40	53.85	11.11	190.31
Klukwan	1.49	1.11	0.63	0.33	0.29	0.47	1.46	2.43	2.97	4.11	8.71	2.03	26.03
Kodiak (a)	.....	.....	.....	.....	.....	2.65	2.73	9.16	3.55	6.33	1.00	4.61	.....
Kodiak (b)	4.29	7.60	4.75	3.77	5.51	2.86	2.88	9.95	3.11	6.41	2.65	4.32	58.10
Latouche	.....	.....	14.92	6.91	10.18	4.39	7.40	14.96	19.81	14.54	8.15	2.24	.....
Matanuska	.....	.....	.....	.....	.....	.....	3.91	0.67	2.12	1.69	0.55	0.12	.....
McCarthy	.....	.....	.....	.....	0.00	.....	.....	.....	.....	.....	.....	.....	.....
Mile 52	.....	.....	.....	.....	4.53	.....	.....	.....	.....	.....	.....	.....	.....
Naknek	.....	.....	.....	.....	.....	.....	3.50	1.50	.....	3.30	0.50	0.50	.....
Nenana	.....	0.56	.....	0.50	.....	.....	5.57	1.96	0.43	0.56	.....	0.10	.....
Noatak	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.15	0.10	.....
Nome	.....	0.14	0.38	0.02	0.25	4.41	1.48	4.01	2.45	1.09	0.17	T.	.....
Nulato	.....	.....	.....	.....	.....	.....	.....	.....	1.74	1.23	0.03	T.	.....
Paxson	.....	.....	.....	.....	.....	.....	.....	1.58	2.23	0.50	0.81	.....	.....
Perseverance	9.55	2.10	5.24	1.95	1.13	2.54	14.39	21.68	22.90	32.16	25.37	4.80	143.81
Portal Camp	.....	.....	.....	1.87	4.54	9.45	.....	12.26	8.95	16.25	10.75	9.03	.....
Rampart	1.09	0.50	0.06	0.06	0.04	0.94	3.32	0.58	1.93	0.89	0.68	0.00	10.09
Richardson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.00	.....
Roosevelt	.....	.....	.....	.....	0.01	.....	.....	.....	.....	.....	.....	.....	.....
Ruby	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.69	0.10	0.00	.....
St. Michael	.....	.....	.....	.....	.....	.....	.....	1.75	1.74	1.47	0.19	0.02	.....
St. Paul	3.45	1.82	1.85	.....	1.80	0.65	2.88	4.24	2.77	3.53	1.10	.....	.....
Salmon Creek Beach	7.07	5.38	3.36	1.72	3.31	5.33	9.64	11.12	12.52	19.56	15.79	5.50	100.30
Seward	.....	.....	.....	0.88	2.02	1.45	3.94	5.87	18.35	.....	4.97	.....	.....
Sitka	8.65	3.78	4.00	0.88	3.03	3.54	6.02	8.08	10.00	20.73	14.81	9.78	93.30
Skagway	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.12	1.24	.....
Speel River	16.50	8.51	8.31	1.72	4.65	5.33	.....	.....	20.15	30.62	29.02	.....	.....
Sulzer	10.84	6.15	9.70	4.48	3.70	4.94	5.19	11.82	18.32	23.36	42.92	13.80	155.22
Tanana	0.93	1.85	0.16	0.03	0.21	1.19	5.18	1.06	1.96	0.39	0.41	0.01	13.38
Thane	8.59	5.27	3.09	1.28	3.50	5.33	10.27	10.48	9.21	16.73	15.93	5.34	95.02
Valdez	5.27	3.49	1.56	0.41	1.32	1.24	4.54	2.15	10.28	6.23	4.58	0.14	41.21
Wales	.....	.....	.....	.....	.....	.....	.....	3.15	1.73	0.81	T.	.....	.....
Willow Creek	.....	.....	.....	.....	.....	.....	.....	1.52	.....	.....	.....	.....	.....
Wrangel	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.80	.....
Yakutat	.....	.....	.....	2.45	7.40	3.10	10.81	12.80	16.80	15.64	14.02	3.88	.....
Arizona.													
Ajo	2.85	1.41	0.15	0.25	T.	0.00	3.72	0.63	1.38	0.15	0.00	T.	10.54
Alamo Ranger Station	2.73	1.58	0.02	0.64	1.70	0.00	3.14	1.41	0.68	0.02	0.00	0.00	11.92
Allen Lake Ranger Station	1.34	0.80	0.15	3.49	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alpine	2.17	2.60	0.00	0.60	0.56	T.	5.69	1.59	3.88	0.00	0.00	0.00	17.09
Apache Maid Ranger Station	.....	.....	.....	.....	.....	.....	.....	.....	2.33	.....	.....	.....	.....
Arivaca	.....	.....	0.56	0.12	0.55	0.52	7.65	1.01	2.21	0.00	T.	0.00	.....
Ashdale Ranger Station	5.69	3.24	0.24	5.62	1.93	0.00	3.49	0.67	1.60	0.00	0.00	0.00	22.48
Ashfork	.....	0.60	0.06	2.36	1.32	0.00	4.50	1.62	1.03	0.00	0.00	0.00	.....
Avondale	.....	.....	.....	.....	.....	.....	.....	0.10	0.40	0.00	0.00	0.00	.....
Aztec	1.72	0.75	0.00	0.98	0.12	0.00	0.40	0.53	0.38	0.15	0.00	0.00	5.03
Bald Hill Ranger Station	3.23	2.55	T.	4.28	1.53	T.	4.14	1.26	1.28	T.	0.00	0.00	18.27
Baseline Ranger Station	2.54	0.82	T.	0.56	0.96	0.30	.....	1.43	.....	0.00	0.00	0.00	.....
Beaver Creek Ranger Station	2.71	1.40	T.	.....	.....	.....	.....	.....	.....	0.00	0.00	0.00	.....
Benson	1.34	0.73	0.00	0.00	0.50	0.05	3.56	2.40	3.17	0.00	0.00	0.00	11.75
Bisbee	3.14	0.55	0.00	0.23	1.07	0.14	4.56	6.20	3.99	0.00	0.00	0.00	19.88
Blue	2.12	0.96	T.	0.17	0.15	0.05	4.16	0.46	0.82	0.00	0.00	0.00	8.89
Bly Ranger Station	2.42	2.09	.....	4.63	0.75	T.	.....	.....	.....	.....	.....	.....	.....
Bonita	2.95	0.90	0.05	0.90	0.80	0.28	3.26	1.95	0.52	0.00	0.00	0.00	11.61
Bowie	.....	.....	T.	T.	0.40	0.00	.....	0.80	.....	0.00	0.00	0.00	.....
Buckeye	2.18	1.03	0.17	1.54	0.31	0.00	3.16	0.40	0.01	0.00	0.00	0.00	8.80
Canille	2.74	0.67	0.03	T.	0.80	T.	7.26	2.60	1.64	T.	0.00	0.00	15.74
Canon	4.11	1.76	0.28	4.79	1.46	0.00	3.67	0.63	0.99	0.00	0.00	0.00	17.67
Carr's Ranch	5.57	4.25	0.08	5.20	2.60	0.00	7.27	1.15	1.76	0.04	0.00	0.00	27.92
Casa Grande	.....	.....	0.14	0.00	T.	0.00	3.42	0.10	.....	0.00	0.00	0.00	.....
Castle Hot Springs	.....	1.25	0.25	.....	0.10	0.00	5.46	0.15	0.83	T.	0.00	0.00	.....
Cedar Glade	1.90	0.33	T.	3.51	0.92	T.	2.00	1.87	0.80	T.	T.	0.00	11.33
Chandler	2.31	0.85	0.55	0.48	1.05	0.00	2.42	0.22	0.32	0.08	0.00	0.00	8.28
Childs	5.17	1.60	0.00	5.68	1.31	0.00	4.11	3.15	1.53	0.00	0.00	0.00	20.55
Chin Lee	1.90	0.24	0.02	0.06	0.34	0.00	1.10	0.36	1.14	0.07	T.	T.	5.23
Clifton	2.11	0.31	T.	0.24	0.13	0.10	1.13	0.57	2.25	0.00	0.00	0.00	6.84
Cochise	1.74	0.39	0.03	0.08	0.65	T.	3.73	2.94	1.01	0.00	0.00	0.00	10.57
Cornville	2.48	1.04	0.06	4.67	1.19	0.00	2.47	1.47	1.75	0.00	0.00	0.00	15.13
Cosnino	1.74	.....	1.00	1.66	0.42	0.00	2.40	0.92	1.59	0.16	T.	0.00	.....
Crown King	5.49	2.90	0.50	9.42	2.40	T.	5.37	2.13	1.01	T.	T.	0.00	29.22
Douglas	1.78	0.37	T.	T.	0.30	0.10	4.03	2.13	2.88	0.00	0.00	0.00	11.59
Dudleyville	3.31	0.70	0.23	0.19	0.46	T.	4.05	1.74	1.21	T.	T.	0.00	11.89
El Dorado	1.95	0.00	0.16	0.50	1.34	0.00	6.91	1.15	1.98	0.00	0.00	0.00	13.99
Elgin (near)	1.89	0.50	0.00	0.00	0.63	0.05	4.78	1.94	3.13	0.04	0.00	0.00	12.96
Fairbank	1.01	0.13	0.00	T.	0.78	0.29	3.90	2.58	0.79	T.	0.00	0.00	9.48
Flagstaff	2.97	1.30	0.50	4.47	0.75	0.00	5.93	1.11	1.78	0.00	0.01	0.00	18.82
Florence	2.48	0.85	0.62	0.00	0.45	0.00	2.45	0.03	.....	.....	.....	.....	.....
Fort Apache	4.22	2.46	T.	1.47	1.33	0.00	2.76	0.55	2.04	0.00	0.00	0.00	14.83
Fort Huachuca	3.96	0.90	T.	0.38	1.13	0.17	8.78	3.31	0.96	0.04	0.00	0.00	19.63
Fort Valley	2.98	1.43	0.58	4.40	1.13	0.02	5.10	0.92	1.62	T.	T.	T.	18.18
Gila Bend	1.60	0.05	0.20	0.92	T.	0.00	1.50	0.50	0.00	0.10	0.00	0.00	4.87
Gisela	3.96	1.26	0.17	3.51	2.35	0.00	2.92	0.90	1.45	0.00	0.00	0.00	16.52
Glendale	2.89	1.03	0.05	1.94	0.29	0.00	3.01	0.20	0.45	0.00	0.00	0.00	9.86
Globe	2.70	1.28	0.05	0.67	1.92	T.	3.21	1.04	0.54	0.00	0.00	0.00	11.41
Gould's Ranch	2.61	1.10	0.27	0.90	.....	0.00	1.70	0.32	0.55	0.00	0.00	0.00	.....
Grand Canyon (Rim)	2.30	0.92	0.28	1.98	1.45	0.00	1.51	1.26	0.89	0.14	0.00	0.00	10.73
Grand Canyon (Indian Gardens)	.....	0.88	0.55	.....	2.79	0.00	2.20	2.08	0.39	.....	.....	.....	.....
Granite Reef Dam	2.78	1.21	0.08	1.00	1.17	0.00	3.92	0.07	0.59	0.00	0.00	0.00	10.82
Groom Creek	2.85	3.00	0.23	5.10	1.85	0.00	3.75	3.51	1.15	0.20	0.00	0.00	21.64
Hackberry	1.56	0.05	0.10	1.16	2.33	0.00	1.11	1.09	1.10	0.00	T.	T.	8.50
Hackberry Ranger Station	4.26	2.23	0.03	2.87	1.52	0.00	3.32	0.16	1.57	0.00	0.00	0.00	15.96
Heber	3.54	1.76	0.36	4.94	0.78	0.16	4.67	1.35	1.33	T.	0.00	0.00	18.90
Helvetia	2.23	1.28	0.18	0.19	0.90	0.25	3.08	1.98	2.65	0.05	T.	0.00	12.79
Henry's Camp	2.18	4.07	0.20	1.17	1.35	0.35	2.66	1.32	1.21	T.	0.00	0.00	14.51

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arizona—Continued.													
Hereford	0.93	0.25	0.00	0.00	0.86	0.25			1.32	0.00	0.00	0.00	
Higley	2.13	0.89	0.28	0.39	1.08	0.00	2.32	0.28	0.20	0.08	0.00	0.00	7.65
Holbrook	1.01	0.37	0.04	0.64	1.21	0.00	0.88	0.64	0.47	1.48	0.00	0.00	6.74
Honeymoon	3.05	1.08	T.	0.10	2.73	0.60	11.87	1.66		0.05	0.00	0.00	
Ideal Ranger Station						0.10	11.21	2.43	2.65				
Indian Oasis					1.63	0.00	8.81	0.19	1.88	0.00	0.00	0.00	
Intake	2.42	1.28	0.00	0.58	1.52	0.00				T.	0.00	0.00	
Jerome	2.96	1.13	0.29	4.42	1.30	0.00	4.07	4.07	1.40	0.04	0.00	0.00	19.68
Johnson Wash	2.40	2.40	0.00	5.00	1.95	0.00	2.40	1.13	1.02				
Kayenta						0.00	1.33	1.15	0.50	0.10	0.00		
Keam's Canon	2.55	1.60	0.90	1.40	0.70	T.	1.04	T.			T.	0.00	
Kingman	2.31	0.51	T	1.15	1.45	0.00	0.60	0.95	0.70	0.00	0.00	0.00	7.67
Klondyke	2.85	1.21	0.23	0.46	1.12	0.40	3.13	1.31	1.07	0.00	0.00	0.00	11.84
Lakeside	2.94	2.28	0.13	2.24	1.87	T.	3.01	1.95	2.14	T.	0.00	0.00	16.56
Las Moras Ranch						0.52	8.54	1.40	2.02	0.00	0.00	0.00	
Lee's Ferry	1.30		0.00	1.05	0.59	0.00	1.54	0.93	1.08	T.	0.00	0.00	
Leslie Canyon	1.90	0.17	0.00	0.25	0.67	0.20	2.70	1.01	2.46	0.00	0.00	T.	9.37
Leupp	0.60	0.15	0.00	1.78	0.10	0.00	1.69	1.14	0.48	0.00	0.00	0.00	5.94
Lewis Springs	1.15	0.83	T.	0.00	0.66	0.20	3.42	3.68	1.25	0.00	0.00	0.00	11.20
Light	2.88	0.13	T.	0.14				1.14	1.15	0.00	0.00		
Long Valley Ranger Station						0.00	4.57	2.79	3.56	0.00			
Lukachukai				1.25	1.70	0.00	2.35	0.60	1.08	T.	0.00	T.	
McNeal				0.80	0.77		3.88	0.66					
Maricopa	2.33	1.15	0.20	0.14	0.57	0.66	3.92	0.78	0.22	0.30	0.00	0.00	10.27
Marinette				0.03	0.03	0.00	3.25	1.25	T.	T.	0.00	0.00	
Marquette Ranger Station	2.27			2.19	0.22						T.	0.00	
Mesa	2.61	1.11	0.35	1.28	1.06	0.00	2.50	0.34	0.59	0.00	0.00	0.00	9.84
Mesa Experiment Farm	2.16	0.90	0.21	0.92	0.96	0.00	3.28	0.49	0.49	T.	0.00	0.00	9.41
Miami	3.94	1.69	0.05	1.02	2.53	0.00	4.60	0.57	0.41	0.06	0.00	0.00	14.87
Moccasin					1.43	0.00	1.33	0.58	0.45	0.00	0.01	0.00	
Mohawk	1.85	0.00	0.00	0.73	0.01	0.00	2.27	1.55	0.03	0.00	0.00	0.00	6.44
Mormon Lake Ranger Station					1.20	0.00	4.46	2.14	1.82				
Naco	0.85	0.30	0.00	0.08	0.43	T.	4.13	1.30	2.20	0.00	0.00	0.00	9.79
Natural Bridge	4.82	4.03	0.10	6.82	2.40	0.00	3.28	1.64	3.95	0.00	0.00	0.00	27.04
Nogales	2.28	0.75	0.03	T.	0.34	0.30	6.89	3.88	2.90	0.00	0.00	0.00	17.37
Nutrioso			0.70	0.65	0.46	0.00					0.00	0.00	
Oracle	3.22	1.30	0.50	0.43	1.11	0.00	3.81	0.65	2.57	0.01	0.00	0.00	13.60
Osborn		0.00	0.00	0.09	T.	0.00	4.84	1.00	1.75	0.00	0.00	0.00	
Paradise	2.16	0.72	0.20	1.00	1.25	0.28	3.55	2.19	1.90	0.02	0.00	T.	13.37
Paradise Valley	3.05	1.50	T.	1.48									
Parker	1.69	0.14	0.15	0.55	0.00	0.00	2.82	0.70	T.	0.00	T.	T.	6.05
Parks						0.00	6.17	0.13	2.01	0.00			
Payson	5.67	2.80	T.	3.28									
Pearce (near)	2.40	0.44	0.00	0.48	0.77	0.15	3.78	2.23	2.35	0.00	0.00	0.00	12.60
Phoenix	2.20	0.95	0.15	1.22	0.45	0.00	3.97	0.11	0.55	T.	0.00	0.00	9.60
Pinal Ranch	5.58	1.65	0.20	1.16	3.38	0.38	2.43	0.81	1.58	0.00	0.00	0.00	17.17
Pinedale	2.68	2.40	0.04	3.85	0.65	0.00	2.43	1.76	1.80	0.17	0.00	0.00	15.78
Pinto	2.48	0.38	T.	0.54	0.80	T.	1.10	0.50	1.78	0.31	0.00	0.00	7.89
Portal	2.82	0.53	0.50	0.88	1.22	0.00	3.96	3.05	2.38	0.05	0.00	0.00	15.39
Prescott	2.76	1.49	0.22	5.43	1.22	0.00	2.69	1.57	1.24	0.03	T.	0.00	16.65
Prescott Dry Farm	0.91	0.67	0.16	2.43	0.79	0.00	3.52	3.90	0.49	T.	0.00	0.00	12.87
Redrock	2.39	0.42	0.05	T.	0.23	T.	4.38	0.00	0.60	0.15	0.00	0.00	8.22
Roosevelt	3.92	2.05	0.04	1.96	1.81	0.00	3.58	0.17	0.83	0.00	0.00	0.00	14.36
Rosemont	0.99	0.90	0.19	0.32	0.86	0.80	2.67	2.31	1.64	0.00	0.00	0.00	10.68
Ruby	2.94	1.00	0.15	0.00	0.86	0.00	8.70	3.27	3.14	0.00	0.00	0.00	20.06
Rucker Canyon	3.88	0.68	0.02	0.58	2.06	0.04	5.66	1.77	1.88	0.00	0.00	0.00	16.57
Secaton	1.48	0.67	0.40	0.11	1.29	0.00	3.33	0.05	0.43	0.00	0.00	0.00	7.76
St. Johns	0.98	0.23	0.00	0.79	0.76	0.18	3.50		0.53	T.	0.00	0.00	
St. Michaels	1.95	0.16	0.39	0.84	1.17	0.00	3.25	0.59	1.12	0.41	T.	T.	9.88
Salome	2.73	0.32	0.06	1.74	0.11	0.00	2.78	1.22	0.07	T.	0.00	0.00	9.03
San Carlos		1.26	0.04	0.30	1.45	0.00	3.29	1.73					
Sellerman		0.73	0.20	0.41				2.85	0.69	0.00	0.00	0.00	
Sentinel	1.52	0.85	0.00	1.20	0.12	0.00	1.16	1.70	0.05	0.08	0.00	0.00	6.68
Show Low	1.97	1.52	0.05	1.80	0.74	T.	2.98	1.33	1.43	0.26	0.00	0.00	11.68
Silverbell	3.19		0.12	0.15	0.33	T.	4.72	2.55	0.53	0.05	0.00	0.00	
Snowflake	0.98	1.30	T.	1.17	1.45	0.00	1.92	1.94	1.30	0.10	0.00	0.00	10.16
Soldier Camp Ranger Station						0.13	10.27	1.79					
Springerville	0.47	0.36	0.02	0.03	0.24	T.	1.97	0.92	4.77	T.	0.00	T.	8.78
Spring Valley Ranger Station					0.85	0.01	6.42	3.45		0.03		0.00	
Sunflower Ranger Station	3.20	1.94	0.18	4.49	2.10	0.00			1.85	T.	0.00	0.00	
Sunset Ranger Station	4.09	0.37	T.	0.60	1.55	T.	6.95	1.52	1.85	0.00	0.00	0.00	16.93
Supai	0.91	0.10	0.29	1.38	0.81	0.00	1.43	2.29					
Tempe	2.24	0.94	0.12	0.91	1.15	0.00	1.02	0.69	0.60	0.00	0.00	0.00	7.67
Thatcher	1.53	0.23	T.	0.29	0.35	0.34	1.82	0.20	0.00	0.00	0.00	0.00	5.36
Tombstone	1.62	0.25	0.00	0.05	0.77	0.08	3.95	3.87	1.78	T.	0.00	0.00	12.55
Tonto Ranger Station	2.92	0.85	0.18	5.71	1.25	0.00	3.69	1.83	0.76	0.00	0.00	0.00	17.19
Truxton		0.35	0.30	0.93	1.50	0.00	1.55	0.95	0.78	0.02	0.00	0.00	
Tuba City	1.26	0.11	0.11	1.86	0.45	0.00	0.47	1.30	0.82	0.05	T.	0.00	6.44
Tucson	1.14	0.16	0.10	0.17	0.75	T.	3.30	1.96	1.00	0.00	0.00	0.00	8.58
University of Arizona	1.92	0.44	0.15	0.28	0.82	0.00	3.90	2.31	0.88	T.	0.00	0.00	10.70
Walnut Creek Ranger Station	2.74	0.87	0.18	2.88	0.98	0.00	2.12	1.67	1.02	T.	0.00	0.00	12.46
Walnut Grove	3.55	1.40	0.30	4.75	1.40	0.00	2.15	0.05	0.20	0.34	0.00	0.00	14.14
Watters Ranger Station						0.31	5.83	3.02	2.73	0.04			
Wickenburg	2.27	0.40	0.16	3.60	0.33	0.00	2.82	1.70	0.13	0.00	0.00	0.00	11.44
Willcox	2.21	0.38	0.02	0.07	0.74	T.	4.62						
Willcox Evaporation Station	2.04	0.20	0.00	0.04	0.54	0.03	2.78	2.88	0.41	0.00	0.00	0.00	8.92
Williams	5.62	3.42	0.36	7.84	1.38	T.	5.02	1.21	1.11	T.	0.00	0.00	26.06
Willow Wash	2.39	1.78	0.01	3.62	0.71	T.	2.09	1.81	1.67	0.00	0.00	0.00	14.08
Windmill Ranch	3.92	2.55	0.00	4.35	1.14	0.00	2.86	2.52	1.47	0.03	0.00	0.00	18.84
Winona	1.70	0.70	0.08	3.13	0.31	T.	6.69				T.	0.00	
Winslow	0.78	0.10	0.04	1.19	0.34	0.00	4.47	0.28	0.18	T.	0.00	0.00	7.38
Young							4.10	1.95	1.40	0.00	0.00	0.00	
Yuma (Weather Bureau)	1.02	0.06	T.	0.24	T.	0.00	0.50	0.23	0.17	T.	0.00	0.00	2.22
Yuma (Date Orchard)			0.00	0.27	0.05	0.00	0.93	0.24	0.18	0.00	0.00	0.00	
Yuma (Evaporation Station)	1.05	0.06	0.00	0.28	0.07	0.00	0.97	0.25	0.16	0.00	0.00	0.00	2.84

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arkansas.													
Alicia	6 05	4 25	12 18	12 84	8.52	8.99	8.30	3.85	0.90	1.70	1.20	2.10	70.88
Amity	4.07	1.21	7.96	4 29									
Arkadelphia	4.70	1.71	6 13	5 05	0.33	3 73	3 03	3 21	1.64	2.26	1.09	1.50	34.38
Arkansas City	5.46	3 08	7 87	8 46	1 84	2 59	4 21	4 34	0 83	3 57	1 10	1.97	45 32
Batesville	3 48	1 96	4.23	4 33	4.76	8 28	5.31	4 82	0.48	1.88	0 90	1.72	42.15
Bee Branch	3.07	1.40	4.20	4 40	4.10	8 55	7 95	3 40	0 65	1.75	1.40	0.70	41.57
Bentonville	1.08	0 93	2 38	5 88	7.41	3 71	5 66	3 32	3 89	0.70	6 22	0.76	41.94
Bergman	1.65	1.02	0 81	5 75	5 72	4.07	10.60	4.07	2 77	0 69	3 53	1.20	41.88
Black Rock	4.36	2 07	4.71	6 86	4.85	4.84	7 09	4 39	0 10	1.49	1.01	0.84	42.61
Booneville	1.80	0.83	3 88	2 91	2 42	8.50	3 68	5 64	1.91	0 55	1.72	0 30	34.14
Brinkley	5 33	1.70	7.85	5.00	5.60	7 08	2.18	4.36	1 35	2 34	2.13	0.76	45.73
Calico Rock	2.45	2.25	1.92	6 31	3.40	5.20	8.06	3.60	2 34	2.07	2.90	1.73	42.23
Camden	4.05	2.62	5 83	4 55	2.05	5 78	3 07	3.84	1.05	2.84	1.68	2.32	40.48
Centerpoint	2.15	1.73	7.67	5.88	2 47	2 91	4 62	3 54	4.70	2 54	1.93	1.30	41.44
Clarendon	5.42	1.35	6 97	4.84	3.19	5.57	2.00	4.16	0.70	2.06	1.68	1.28	39 22
Conway	1.85	1.50	7.24	2 96	2.47	5 54	4.21	3.26	0.72	2.01	1.26	0.79	33.81
Corning		2.60	3.65	9.30	4.65	4.20	6 30	5.70	2.50	1.00	1 70	2.75	
Crossett	5.78	2.83	4 77	7.61	1.98	3.47	4.43	4 85	2.47	2.53	0.61	1.85	43.18
Danville	2.79	2.06	4 57	4.28	2.29	4 34	4.27	7.06	1.42	1.40	2.20	0.62	37.30
Dardanelle	2.94	1.96	3.71	2 98	2.67	7.93	5 56	5.28	1 11	1 17	1.67	2.17	39.15
Dodd City				5.26	4.15	3.51	5.87	4 32	2.08	2 07	1 09		
Dumas	5.69	1.60	7.99	8.48	1.93	5 61	4.86	3.75	1.55	3 41	0.83	2.26	47.96
Dutton	3.25	0.94	1.89	10.82	4.63	5.61	7.66	5 26	2 38	1.23	3 18	0 93	47.75
Eldorado	4.25	3.56	4 99	4.56	1.63	5.00	6.01	3.31	1.46	3 41	1.39	2.03	41.60
England	3.78	1.30	8.44	4 10	2.80	3 68	5 55	5 46	1.12	2.90	1.46	1.70	42.29
Eureka Springs	2.54	0.93	1.57	8.16	6 50	5.00	5.98	5 70	5 16	0.73	6.38	1.20	49.85
Fayetteville	3.26	0.96	0.69	8.43	4.23	3 92	3 72	5 88	2.38	1.31	4.28	0.90	39.96
Fordyce	4.66	4.65	8.65	6.15	2.05	2 15	4.40	2.05					
Foreman			5.82	7.60	1.96	2.05	2.86						
Fort Smith	0.68	0.73	1.18	3.14	2 37	2 57	2 00	3.18	1.34	0.20	2.05	0.36	19.80
Fulton	3.51	1.81	4.50	5.91	2.03	3.49	5 11	4 94	0 99	3.56	1.66	1.22	38.73
Georgetown	4.05	1.75	6.86	5.66	3.70	5.25	5 13	1.97	0 80	2.03	1.27	1.13	40.20
Gravette	1.05	0.50	1.91	10.73		3 96	3.45	4.13	2 48	0.46	5 60	0 83	
Hardy	4.05	2 33	2.37	9.71	4.50	3 37	7 56	6 43	1.25	1.80	2.71	2.16	48.24
Helena	5.99	1.35	10.55	7.53	4.31	4 27	3 94	4.67	1.44	2.70	2.62	1.35	50.72
Hemp Wallace	4.34	1.67	9.43	4.85	1.15	3.05	5.40	6.79	1.29	2 75	2.11	0.85	43.68
Hope	3.64	2 54	5.08	6.84	1.76	3 87	7.57	5.00	1.48	2.81	1.75	1.21	43.55
Hot Springs	1 98	1 34	8.81	4 11	1.72	3.55	4 90	3 51	1.76	2.02	0.82	1.85	36.37
Huttig	4.86	2.77	5.40	5.33	1.72	5.77	5 75	3.62	2 99	2 36	0.83	1.65	43.05
Jelks	3.79	1.25	8.23	4.51	4.44	5.01	3 15	3.60	0.25	1.80	1.05	1.40	38.48
Jonesboro	4.97	2 35	5.68	3.97	3.19	5 00	7.07	1.86	0.15	1.46	0.38	1.56	37.64
Junction	4.71	3.58	6.02	3.48	1 82	5 71	7.29	5.02	3.07	4.12		2.17	
Little Rock	2 53	1.72	6.43	3.91	3.28	3 82	4 54	4.38	0.27	2 03	2.07	1.24	36.22
Lutherville	1.95	0.97	2.24	4.83	2.86	8.28	7 54	3 00	1.23	1.16	1.46	1.01	36.53
Malvern	5.86	1.10	8.53	4.28	2 52	6.00	4 61	3 62	2.05	2.97	1.89	1.08	44.51
Mammoth Spring	2.17	1 34	1.29	9.95	4 61	7.04	10.16	5 94	1.43	1.53	1.69	0.57	47.72
Marianna	7.61	2.33	7.15	4.06	5.13	6 60	4.40	2.70	2.10	2 90	1.39	1.09	47.46
Marked Tree	5.16	1.03	7.84	4 73	2 56	4.30	4.89	0.90	0.06	2 20	0.43	0.62	34.72
Marshall	2 44	1 40	2.22	7.00	4.51	4 84	6 52	2.42	2 69	1.57	1.95	1.74	39.30
Mena	2.41	2.05	4.65	6 30	1.97	5 14	3 08	3.42	2.87	1.02	2 35	0.63	35.89
Mountain Home		0 86	1.06	7 39	4 07	3 53	6 13	2 54	3.12	1.26	2.55	1.83	
Mount Ida	3 23	4 80	7.16	5 01	2 21	4 29	4 18	5 58	1.55	1.63	2 44	0.33	42.41
Murfreesboro	1 99	2 58	6 73	4 33	0.80	5 51	3 80	3 63	1 31	1.46	2 83	0.32	35.29
Nail	4.12	1 39	1 33	7 05	4.25	3 92	5 36	7.08	4.33	1.46	2 96	1.37	44.62
Newport	5 35	0 80	4 90	5.00	4 30	5 00	4 40	1 65	1.41	1.85	0 35	1.37	36.38
Okay	2.80	2.00		5 85	3 95	7.78	4 93	3 36	3 01	2 67	1.81	0 65	
Osceola	4.48	2 50	5.16	3 12	3 40	3.40	4.14	2.25	0.48	0 93	1.99	0.96	32.81
Ozark	1 99	0.80	0 56	4 23	2 09	4 71	4 75	8 13	0 83	0 29	1.36	0.35	30.09
Pine Bluff	4.59	1.40	8 12	4.50	1 74	5 30	2 34	4.17	0 87	2 97	1.46	1.61	39.07
Pocahontas	4.20	2 15	3 34	8.50	4.24	6 20	7.78	7.21	0.45	1.51	1.38	1.19	48.15
Portland	3.70	3 92	5.00	4 52	1.88	4 33	3.27	4.15	2 59	2 25	0.93	1.49	38.01
Prescott	3.86	2.22	5.03	5.09	1.53	2.97	2 38	1.64	1.46	2.86	1.24	1.05	36.33
Princeton	14.75	1.70	5.91	4.00	2 79	5 65	4 18	1.47	0.50				
Rison	4.01	3.69		3 89	3.10	4 58	2 99	3.06	0.74	3.02	1.68	1.80	
Rogers	1.33	0.95	1 70	7.73	7.11	4.62	6.24	3.74	2.97	0.50	7.07	0.83	44.79
Searcy		1.72	6 89	4 53	3 23			1.38	2.40	1.44	0.58	1.50	
Sheridan	4.70	1.70	10.70	4 20	1.10	4 30	4 70	3 10	2.40	2.00	1.50	1.50	41.90
Springbank	3.78	3.08	4.50	4.29	2.15	0 98	5 34	3.53	5.26	1.72	2.83	1.85	39.31
Stuttgart	5.56	1.38	9 83	4.50	3.13	3.85	2 07	3.76	3 30	2 53	1.37	0.98	42.26
Subiaco	1.22	0.80	2 74	4.91	2 05	6.70	4 22	6 53	0.93	0 56	1.52	0.20	32.38
Texarkana	3.70	3.25	4.02	6.33	1.25	5 65	8 80	3.17	1.12	0.94	3.30	1.65	43.18
Umphers		2.14	4 25	3.00	2 00	4.24	4 52	5 97	2.49	1.90	2.26	2.13	
Warren	3.00	2 90	6 05	5.75	0.90	3 70	3.95	7.50	1.45	2 75	0 85	1.80	40.60
Whitecliffs	2.20	1.00	5.02	5 67	1.75	2 10	3.90	3.56	1.60	0.35	1.80	0.32	29.27
Wynne	4.66	1.61	7.71	4.44	3.26	4.25	5.74	1.68	1.27	1.77	0.51	1.60	38.44
California.													
Abbotts	0.71	9.66	0 75	0.28	0 16	0.00	0.00	0.00	0.00	0.00	1.32	0.42	13.30
Aguanga	2.87	1.82	0.24	1.53	0 00	0 00	0 55	0.23	0 39	0.00	0 18	0.00	7.81
Alder Creek	3.81	3.15	0 95	0.45	0 40	0.00	2.15	0.00	T.	0 03	0.30	0.05	11.29
Alturas	1.36	3 33	1.69	1 35	0.98	0 31	0 02	0.62	0 28	0 00	1 01	0 38	11.33
Angiola	1 25	0.51	0 08	T.	0 50	0.00	0 00	0.00	0.00	0 00	0 19	0.00	2.53
Antelope Valley	0.80	1.66	0 24	0.35	0 10	0.00	0.00	T.	0.00	0 00	0.33	0.05	3.53
Antioch	1.07	2.52	0.60	0.05	0.00	0 00	0.00	0.08	0 16	0 00	0.47	0.51	5.46
Arrowhead Springs	4.20	5.16	1.47	2.20	2.50	0.00	0 10	0.00	0 00	0 00	0.25	0.00	15.88
Arroyo Seco	3.46	6.17	0 79	1 79	1.68	0 00	T.	T.	0 01	0.02	0 33	0.05	14.30
Atascadero	3.62	8.11	0 95	0 08	0.13	0 00	0 00	0.00	0 00	0 04	0.52	0.11	13.56
Auberry	1.45	8.75	1.83	0.44	0.50	0 00	0.00	0.00	0.04	0.00	0.00	0.63	13.66
Auburn	4 13	9 65	2 36	3.21	0.23	0.00	0.00	0.00	0 21	0.00	1.28	3.26	24.33
Avalon	4.04	4 78	0 38	1.32	0 17	0.00	T.	0 01	0.10	0 16	0.45	0.00	11.41
Azusa	2 53	4.60	0 54	1 11	0.93	0.00	0 02	T.	T.	T.	0 76	T.	10.49
Bagdad	0 70	0.00	0.00	0.00	0.00	0 00	0 00	0 00	0.00	0.00	0.00	0.00	0.70
Bakersfield	1.46	0.08	0.20	0.32	0 56	0.00	0.00	0.00	0.00	0.10	0.30	T.	3.02
Barrett Dam	5.61	2.94	1.05	2.60	1.03	0 00	T.	T.	T.	T.	0.31	T.	13.54
Barstow	1.28	0 05	0.00	0.00	0.10	0.00	0.21	0.56	0.05	0.00	0.18	0.00	2.43
Bear Valley Dam	4.69	5.24	2.60	3.74	0.00	0.00	0.93	0.16	0.00	0.00	1.01	0.00	18.37

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Beaumont	3.58	4.02	1.40	1.91	2.18	0.00	T.	0.00	0.00	0.00	0.72	0.00	13.81
Beaumont (near)	2.93	5.36	1.50	2.80	2.39	0.00	0.73	0.00	0.00	0.00	0.76	0.00	16.47
Belotta	2.11	4.79	1.00	0.33	0.06	0.00	0.00	0.00	0.12	0.00	0.37	0.80	9.58
Berkeley	1.67	5.62	1.35	0.78	0.64	0.00	T.	0.00	0.10	T.	0.52	1.54	12.22
Betteravia	1.69	3.29	0.37	0.07	0.26	0.00	0.00	0.00	0.00	0.08	0.00	0.36	6.12
Big Bar	1.89	7.78	2.64	4.00	0.47	0.00	0.15	0.07	0.99	0.00	6.61	2.56	27.16
Bijou	0.47	5.57	1.66	0.78	0.34							1.44	
Bishop	0.18	2.08	0.00	0.37	0.13	0.00	0.21	T.	T.	0.00			
Bishop Creek	0.29	6.93	0.52	0.92	1.09	T.	0.45	0.52	0.00	0.00	1.11	0.05	11.88
Blue Canon	3.90	15.55	5.38	5.48	2.55	0.00	0.00	0.00	0.00	0.00	2.40	4.80	40.06
Blythe	0.79	0.01	0.00	0.42	T.	0.00	T.	0.60	T.	T.	0.00	0.00	1.82
Bonita	4.53	2.25	0.48	1.12	0.31	0.08	T.	T.	T.	0.05	0.20	0.00	9.02
Bowman's Dam	1.90	15.00	2.85										
Branscomb	9.68	20.86	6.54	10.87	1.20	0.00	0.00	0.00	1.70	0.00	11.99	8.08	70.92
Brawley	1.39	T.	T.	0.20	T.	0.00	0.25	0.00	0.00	0.00	T.	0.00	1.84
Bridgeport	T.	2.47	0.32	0.30	0.78	0.00	0.49	0.30	0.00	0.00	0.32	0.01	4.99
Burney	1.24	2.15	0.94	3.40	1.29	T.	0.25	0.28	0.26	T.	2.54	1.29	13.64
Cahuilla	3.80	2.95	0.50	2.35	0.80	0.00	1.50	0.05	0.40	0.00	0.50	0.00	12.85
Calaveras	3.05	15.15	3.34	2.67	1.04	0.00	T.	0.04	0.20	0.00	1.36	3.00	29.85
Calexico	1.32	0.00	0.00	0.10	0.00	0.00	0.20	0.00	0.02	T.	0.00	0.00	1.64
Campbell	0.49	5.36	0.28	0.23	0.07	0.00	T.	0.00	T.	0.00	0.83	0.10	7.36
Camp Bonita	2.16	4.90	1.40	1.65	1.26	0.00	0.32	0.05	0.00	0.05	0.80	0.05	12.64
Campo	4.85	2.88	0.80	2.79	0.57	0.00	0.93	0.00	0.03	0.00	0.35	0.00	13.20
Camp Rincon	3.12												
Camptonville (near)	5.03	18.12	3.91	8.09	1.75	0.00	T.	T.	0.40	0.01	3.13	5.35	46.39
Canon Dam	1.93	12.56	3.35	5.27	1.59	0.02	0.12	0.01	0.05	0.00	2.79	2.56	30.25
Cascada	0.90	8.72	2.33	1.72	1.83	0.00	0.00	0.03	0.00	T.	0.72	0.88	17.13
Cedarville	1.33	2.71	0.88	0.96	1.39	0.62	T.	0.32	0.43	0.00	1.44	0.50	10.58
Centerville	3.51	9.20	2.67	3.93	2.82	T.	0.00	0.03	0.27	0.00	2.44	3.24	28.11
Chester	1.65	4.78	2.53	2.70	1.78	0.08	0.37	0.10	0.10	0.00	2.42	1.62	18.13
Chico	3.18	4.75	1.28	1.97	2.64	0.00	0.00	0.10	0.34	0.00	1.58	1.77	17.61
China Flat	6.19	8.43	5.10	4.43	1.13	0.00	0.16	0.17	0.47	0.00	2.51	3.56	39.15
Churn Creek	3.43	4.85	1.77	2.58	0.47	0.00	0.00	0.00	0.83	0.00	2.64	2.50	19.07
Claremont	2.63	4.43	0.64	1.10	0.63	0.03	0.00	T.	0.00	0.00	0.62	0.01	10.09
Clearwater Power House	2.16												
Cloverdale	2.72	8.54	1.55	2.62	0.14	0.00	0.00	T.	0.28	0.00	2.53	5.24	23.62
Clovis	1.15	2.81	0.88	0.13	0.28	0.00	0.00	0.00	T.	0.01	0.42	0.13	5.81
Clyde Ranch	4.00	3.82											
Coalinga	0.09	0.67	0.14	0.38	0.18	0.00	T.	0.00	0.00	0.00	0.34	0.11	2.51
Colby Springs	4.00	4.80	0.45	0.96	0.53	0.00	0.00	0.00	0.00	0.00	0.75	0.25	11.74
Colfax	5.31	14.96	3.06	4.53	1.63	0.00	0.00	0.00	0.42	T.	1.99	2.88	34.78
Colgate	4.16	9.88	2.87	4.60	0.94	T.	0.00	0.00	0.72	0.00	1.27	1.82	26.26
Colusa	1.80	3.10	0.48	0.64	0.00	0.00	0.00	0.00	0.44	0.00	0.50	0.57	7.53
Converse Nursery	2.83	3.06	1.77	2.64									
Corona	2.81	2.67	0.10	1.03	0.37	0.00	T.	T.	T.	T.	0.25	T.	7.23
Covelo	3.59	8.16	1.60	3.79	0.17	0.00	0.42	0.07	0.66	0.00	2.29	1.65	22.40
Crescent City	9.59	10.45	11.35	10.22	2.83	0.17	0.00	0.00	1.76	0.00	15.08	8.15	69.60
Cuyamaca	7.34	7.94	1.75	5.11	1.60	0.00	1.17	0.00	0.48	0.03	1.24	0.00	26.66
Davis	1.28	5.90	0.61	0.51	T.	0.00	0.00	0.00	0.49	0.00	0.12	0.59	9.50
Deer Creek	5.26	20.04	4.90	6.30	0.81	T.	0.00	T.	0.17	T.	3.05	5.67	46.20
Del Monte	1.47	4.12	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.63	8.47
Delta		13.60	1.20	2.85	0.55	0.00	0.00	0.50					
Denair	T.	0.91	0.66	T.	0.38	0.00	0.00	0.00	0.03	0.00	0.48	0.18	2.64
De Sabla	4.74	19.37	2.90	7.59	3.17	0.00	0.00	0.03	0.64	T.	3.61	4.35	46.40
Dinuba	1.43	2.45	0.90	0.31	0.45	0.00	0.20	0.00	0.00	0.00	0.42	0.30	6.46
Dobbins (near)	4.25	8.66	2.66	4.79	0.99	0.00	0.00	0.00	0.35	0.04	0.90	2.57	25.20
Downieville	4.71	19.11	5.62	6.50	2.44	T.	0.13	T.	0.11	0.10	2.33	5.35	46.40
Dudley	0.36	0.43	0.26	0.28	0.33	0.00	T.	T.	0.00	0.00	0.34	0.11	2.11
Dudleys	2.34	13.26	2.01	1.57	0.86	0.00	T.	T.	0.10	T.	0.90	1.74	22.78
Durham	3.03	3.78	1.15	1.75	1.85	T.	T.	0.03	0.47	T.	1.34	1.62	15.00
East Park	1.48	3.57	0.35	0.30	0.05	0.00	0.00	0.08	0.11	0.00	0.25	2.43	8.62
Echo Mountain	3.82	5.61	0.71	1.89	2.55	0.00	0.00	0.00	0.00	0.00	0.28	0.04	14.90
Edison	2.50	0.72	1.07	0.29	0.55	0.00	0.00	0.00	0.00	0.12	0.43	0.10	5.78
El Cajon	4.41	2.25	0.38	1.39	0.67	0.00	T.	T.	T.	0.04	0.21	0.00	9.35
Electra	2.22	9.04	2.58	1.44	0.22	0.00	0.00	0.00	0.28	0.00	1.16	1.81	18.75
Elsinore	3.12	3.09	0.45	0.99	0.09	0.00	2.10	T.	0.00	T.	0.11	0.00	9.95
Emigrant Gap	2.16	17.25	6.70	6.07	2.26	0.00	0.00	0.00	0.18	T.	2.84	6.20	43.66
Escondido	5.22	3.36	0.30	2.29	0.67	0.00	0.07	0.00	0.00	0.00	0.39	0.00	12.30
Eureka	5.53	5.10	5.01	3.78	1.03	0.00	0.00	0.02	0.66	0.00	6.43	1.17	28.73
Fairmont	3.85	2.97	0.38	0.40	0.22	0.00	0.06	T.	0.02	T.	0.44	T.	8.34
Firebaugh	1.48	0.73	0.24	0.12	0.18	0.00	T.	0.00	0.00	0.00	0.80	0.09	3.64
Folsom	2.17	6.54	1.60	1.64	0.35	0.00	T.	T.	0.34	0.00	0.77	0.51	13.92
Fontana	2.47	4.58	0.38	1.33	0.85	0.00	0.02	0.06	0.00	0.00	0.45	0.00	10.14
Fordyce Dam	3.54	15.85	6.11	8.81	4.08	0.15	0.62	0.75	0.12	T.	3.24	8.39	51.66
Fort Bidwell	1.50	2.94	1.37	1.49	1.08	0.64	0.21	0.13	0.18	T.	1.82	1.01	12.37
Fort Bragg	3.77	8.84	2.55	4.03	0.95	0.00	0.00	0.00	1.30	0.00	4.64	2.19	28.27
Fort Ross	5.08	8.92	2.28	7.68	0.24	0.00	0.00	0.00	0.92	0.00	3.96	6.32	35.40
Fresno	1.10	1.07	0.56	0.21	0.18	0.00	T.	T.	T.	0.00	0.35	0.14	3.91
Friant	1.39	4.02	0.84	0.21	0.31	0.00	T.	0.00	0.00	0.00	0.45	0.10	7.31
Glennville	3.17	2.13	1.78	0.87	0.94	0.00	0.00	T.	T.	0.01	0.80	0.06	9.76
Goffs	1.22	0.25	0.03	0.73	0.67	0.00	0.48	0.43	0.10				
Gold Run	4.70	12.19	3.00	5.16	0.95	0.00	T.	T.	T.	0.00	4.60	1.67	32.87
Grass Valley	3.60	14.85	3.71	5.33	0.37	0.00	T.	T.	0.22	0.00	1.83	3.49	33.40
Gray Mountain	2.00	T.	0.15	0.00	0.00	0.00	0.82	0.12	T.	0.05	T.	0.00	3.14
Greenland Ranch	0.01	0.00	0.00	0.01	0.30	0.00	0.06	0.00	0.01	0.00	0.00	0.00	0.42
Gridley	2.06	4.31	0.92	1.97	0.57	0.00	T.	T.	0.54	T.	1.01	1.35	12.73
Hanford	1.76	1.06	0.71	0.11	0.31	0.00	0.00	0.00	0.00	0.00	0.33	0.15	4.34
Hansen's Ranch	2.45	5.82	0.75	1.56	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.41
Happy Camp	4.44	8.44	3.46	4.38	1.39	T.	0.00	0.15	0.65	0.00	9.58	4.03	36.52
Hayfork	4.45	6.97	1.22	3.10	0.46	0.00	T.	0.00	0.60	0.00	4.67	2.60	24.07
Head Dam	5.18	10.22	4.35	6.82	1.24	0.00	0.00	0.00	0.37	0.00	1.53	3.93	33.64
Healdsburg	1.66	9.96	1.28	3.28	0.26	0.00	0.00	0.00	0.08	0.00	2.19	4.58	22.39
Helen Mine	9.52	27.05	4.42	8.43	0.91	0.00	0.00	0.00	0.38	0.00	4.50	11.01	66.25
Hetch Hetchy					2.06	0.00						2.64	
Hollister	1.39	3.89	1.95	0.73	0.22	0.00	0.00	0.00	0.00	0.00	0.71	0.28	9.17

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Hot Springs	2.68	3.84	2.59	0.57	1.22	0.00	0.00	0.00	0.00	0.04	0.94	0.10	11.98
Hullville (near)	5.13	15.80	2.36	6.52	0.36	0.00	T.	0.03	0.48	T.	5.37	5.82	41.87
Huntington Lake	1.19	8.85	3.09	1.95	1.83	0.00	0.00	0.08	0.00	0.00	0.60	0.32	17.91
Independence	0.11	0.51	0.01	0.17	0.75	0.00	T.	0.03	T.	T.	T.	0.04	1.62
Indio	1.65	0.15	0.00	0.17	T.	0.00	0.11	0.00	T.	0.00	0.00	0.00	2.08
Inskip	5.92	24.54	4.52	8.72	4.83	T.	T.	0.05	0.88	0.03	5.57	7.10	62.16
Jacksonville	2.15	9.02	2.21	0.52	0.62	0.00	0.00	0.00	0.06	0.00	0.89	1.25	16.72
Jenny Lind	2.19	5.88	1.26	0.48	0.22	0.00	0.00	0.00	0.00	0.00	0.50	0.72	11.25
Jolon	0.80	5.45	0.43	0.23	0.20	0.00	T.	T.	0.00	0.00	0.41	0.16	7.68
Julian	6.55	4.59	1.05	4.21	2.05	0.00	0.61	0.00	0.46	0.00	1.27	0.00	20.79
Kennedy Mine	2.78	6.28	1.66	1.96	0.48	0.00	0.00	0.00	0.45	0.00	1.17	1.31	16.09
Kennett	3.87	13.73	2.07	3.35	0.53	0.00	0.00	0.09	1.28	0.00	7.40	5.70	38.02
Kentfield	0.79	11.02	2.36	2.61	0.03	0.00	0.00	0.00	0.04	0.04	2.16	3.48	22.53
Kernville	1.16	1.49	0.72	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	3.73
King City	0.78	2.18	0.10	T.	0.49	0.00	T.	0.00	T.	0.00	1.17	0.14	4.86
Knights Landing	1.74	4.26	0.58	0.92	0.23	0.00	0.00	0.00	0.37	0.00	0.19	0.25	8.54
La Jolla	6.27	5.19	1.57	5.07	2.30	0.00	0.18	0.00	0.00	T.	0.91	0.00	21.49
Lake Eleanor	2.18	14.11	2.89	2.72	1.62	0.00	T.	0.31	0.14	0.00	0.85	2.61	27.43
Lake Spaulding	5.05	18.65	5.63	6.17	2.48	T.	0.10	T.	0.18	0.00	1.59	3.75	43.60
Lancaster (near)	1.42	0.10	0.08	0.03	0.00	0.00	2.13	0.03	0.00	T.	0.00	0.00	3.79
La Porte	3.19	14.26	7.22	7.94	1.65	0.00	0.06	0.07	0.13	0.00	3.10	6.52	44.14
Las Plumas	4.65	12.99	4.10	4.43	0.00	0.00	0.00	T.	0.00	0.00	2.06	3.13	31.36
Lathrop	1.84	1.60	0.60	0.14	0.08	0.00	0.00	0.00	0.02	0.00	0.63	0.19	5.10
Le Grande	1.29	3.07	1.15	0.07	0.46	0.00	0.00	0.00	0.00	0.00	0.72	0.34	7.10
Lemon Cove	1.70	2.37	0.72	0.58	0.41	0.00	T.	T.	0.00	0.00	0.37	0.06	6.21
Lick Observatory	2.10	3.25	1.68	0.82	0.28	0.00	T.	T.	0.20	0.00	2.13	0.39	15.85
Lindsay	1.82	2.12	0.71	0.46	0.43	0.00	0.00	0.00	T.	0.00	0.30	0.05	5.89
Live Oak Canon	2.63	5.08	0.46	1.18	0.86	0.00	0.00	0.00	0.00	0.00	0.74	0.00	10.95
Livermore	1.06	3.37	1.08	0.15	0.02	0.03	T.	0.00	0.04	0.00	0.43	0.66	6.81
Lone Pine	1.00	1.20	0.10	0.65	1.00	T.	T.	T.	T.	0.00	0.00	0.00	3.95
Lordsburg	2.26	4.48	0.55	0.95	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.88
Los Alamnos	2.03	4.17	0.43	0.19	0.23							0.04	
Los Angeles	2.68	4.49	0.18	0.46	0.21	0.00	T.	T.	T.	0.00	0.36	0.07	8.45
Los Gatos	1.09	14.32	1.36	0.37	0.17	0.00	T.	0.00	T.	0.00	0.53	1.83	19.67
McCloud	3.14	9.53	1.79	3.06	1.95	0.00	0.00	1.53	1.22	0.00	5.58	3.63	31.43
McKinney	1.05	12.08	4.32	3.15	0.77	0.00	1.61	0.01	0.08	0.06	1.53	2.44	27.10
Madeline	0.85	2.31	1.38	0.42	1.79	0.30	0.08	0.38	0.33	T.	1.04	0.41	9.29
Magalia	5.85	19.75	2.70	7.50	2.50	0.02	0.00	0.01	0.44	0.00	3.97	4.65	47.39
Maricopa	2.08	0.05	0.20	0.90	0.43	0.00	0.00	T.	0.00	0.05	0.47	T.	4.18
Mariposa	2.24	10.17	1.92	0.85	0.86	0.00	0.00	0.00	0.00	0.00	1.08	0.91	18.03
Markleeville	0.25	4.35	1.83	0.89	0.99	0.00	0.70	0.16	0.04	0.13	1.82	0.42	11.58
Marysville	2.13	3.80	1.05	1.76	0.28	0.00	T.	T.	0.73	0.00	0.58	0.56	10.89
Meadow Valley		1.50	1.95	2.60									
Mecca	0.70	T.	0.00	0.20	T.	0.00	0.15	T.	T.	T.	0.00	0.00	1.05
Melones	2.49	10.13	1.77	0.50	0.81	0.00	0.00	0.00	0.10	0.00	0.86	1.70	18.36
Merced	1.50	1.79	1.15	0.17	0.34	0.00	0.00	0.00	T.	0.00	0.14	0.24	5.33
Merced Falls	1.37	4.14	1.13	0.14	0.67	0.00	T.	0.00	0.00			0.67	
Mesa Grande	6.39	6.28	1.10	4.20	0.67	0.00	0.00	0.00	0.25	0.00	1.08	0.00	19.97
Middlewater	1.04	0.16	0.14	0.47	0.13	0.00	T.	0.02	T.	0.01	0.33	0.14	2.44
Mill Creek (No. 1)	3.66	13.16	4.12	2.88	1.13	0.00	0.00	0.00	0.12	0.00	1.26	2.90	29.23
Mill Creek (No. 2)	4.54	3.72	0.98	2.22	2.37	0.00	0.60	0.32	T.	0.24	0.99	0.00	15.98
Mills College	1.75	5.25	1.54	0.84		0.00							
Milo	1.84	5.77	0.92	1.07	0.30	0.00	0.00	0.00	0.00	0.00	0.52	0.19	10.61
Milton (near)	1.48	8.79	0.98	0.47	0.45	0.00	T.	0.00	0.16	0.00	1.35	0.38	14.06
Mokelumne Hill	2.11	7.20	1.53	1.34	0.32	0.00	0.00	0.00	0.19	0.00	2.15	0.38	15.22
Montague	1.20	1.86	0.72	1.03	1.64	0.02	0.17	0.18	0.19	0.00	2.32	0.45	9.78
Montgomery Creek	2.70	9.65	0.75	6.88	1.10	0.00	0.00	0.15	0.50	0.00	7.20	7.35	36.28
Mount Tamalpais	2.43	5.40	1.46	1.28	0.12	0.00	0.02	0.00	0.18	0.00	1.37	1.22	13.48
Mount Wilson	4.16	6.28	0.97	1.61	1.72	0.00	T.	0.02	0.01	T.	0.45	0.05	15.27
Napa	2.88	6.19	1.28	0.92	0.51	0.00	0.00	0.00	0.09	0.00	0.47	1.30	13.64
Needles	0.81	0.14	0.00	0.80	0.62	0.00	0.54	0.47	0.37	T.	T.	0.00	3.75
Neenach	4.80	0.35	0.00	0.34	0.21	0.00	0.15	0.00	0.00	0.00	0.00	0.00	5.85
Nellie	8.15	11.14	2.06	5.57	4.15	0.00	0.90	0.00	0.16	0.06	1.54	0.00	33.73
Nevada City	2.78	11.53	2.52	3.41	0.58	0.00	0.02	T.	0.27	T.	1.57	3.03	25.71
Newman	1.34	1.85	0.43	0.14	0.20	0.00	0.00	0.00	0.10	0.00	0.60	0.44	5.10
North Bloomfield	3.08	12.83	2.40	4.80	1.01	0.00	0.00	0.00	0.10	0.00	1.73	3.02	28.97
North Fork	1.99	14.95	2.17	0.86	1.16	0.00	T.	0.00	0.00	0.00	1.13	1.15	23.41
North Lakeport	1.91	7.03	1.23	2.42	0.13	0.00	0.00	0.00	0.13	0.00	2.25	2.44	17.54
Oak Grove	3.63	2.85	0.13	2.63	0.06	0.00	1.14	T.	0.51	0.00	0.34	0.00	11.29
Oakland	1.59	5.02	1.35	0.81	0.18	0.00	T.	T.	0.15	0.00	0.71	1.35	11.16
Oceanside	4.35	2.45	0.07	2.03	0.19	0.00	T.	T.	T.	T.	0.31	0.00	9.40
Ojai Valley	3.53	5.98	0.11	0.73	0.25	0.00	0.01	T.	T.	0.01	0.42	T.	11.04
Olinda	3.27	6.16	1.32	2.15	0.25								
Orland	2.31	3.09	0.18	0.42	0.34	0.00	0.00	T.	0.56	0.00	1.51	1.51	9.92
Orleans	6.73	7.68	5.45	5.52	1.29	0.00	T.	0.20	0.84	0.00	11.28	1.58	40.57
Oroville (near)	2.70	5.98	1.33	3.37	0.72	0.00	T.	T.	0.47	0.00	1.03	1.71	17.31
Ozena	2.88	1.63	0.20	0.52	0.39	0.00	0.26	0.00	0.00	0.00	0.00	0.10	5.98
Pacoima	2.82	6.14	0.69	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.70	0.16	12.26
Parkfield	1.13	3.03	0.00	0.78	0.11	0.00	0.00	0.00	0.00	0.00	0.17	0.29	5.51
Pasadena	3.09	4.67	0.49	1.08	0.89	0.00	T.	T.	T.	T.	0.33	0.05	10.60
Paso Robles	1.12	5.56	0.47	0.19	0.14	0.00	0.00	0.01	0.00	0.00	0.57	0.08	8.14
Pattiway	2.39	T.	0.36	0.87	0.92	0.00	T.	0.05	0.00	0.05	0.74	0.08	5.46
Peachland	3.31	8.44	2.04	2.96	0.26	0.00	T.	T.	0.24	0.00	2.95	3.47	23.67
Petulma	2.12	5.46	1.16	0.63	0.00	0.00	0.00	0.00	0.10	0.00	0.59	1.91	12.06
Piedra	1.20	3.40	1.28	0.60	0.30	0.00	0.00	0.00	0.00	0.00	0.31	0.26	7.35
Placerville	2.45	10.66	2.48	2.04	0.20	0.00	0.00	0.00	0.00	0.00	2.65	0.68	20.58
Point Loma	5.74	1.94	0.18	1.82	0.36	0.00	0.00	0.00	0.04	0.05	0.43	0.12	10.68
Point Reyes Light	1.81	2.46	0.30	1.19	0.06	0.00	T.	T.	0.13	0.00	1.57	0.82	8.34
Pomona	2.56	4.88	0.47	0.91	0.45	0.00	0.00	T.	0.00	0.00	0.57	T.	9.84
Porterville	1.40	1.75	0.61	0.38	0.34	0.00	0.00	0.00	T.	T.	0.49	0.09	5.06
Portola	1.00	3.29	2.86	0.10	0.16	0.00	0.00	0.05	0.00	0.00	0.09	0.05	7.60
Priest Valley	1.62	5.59	0.76	0.42	0.37	0.00	0.00	0.00	0.00	0.00	0.56	0.43	9.75
Quincy	0.82	7.91	4.10	5.59	1.72	T.	T.	0.07	0.02	T.	3.78	1.71	25.72
Red Bluff	2.94	3.79	1.25	0.91	2.16	0.00	0.00	0.00	0.80	0.00	1.14	1.17	14.16
Redding	3.35	8.05	1.66	2.41	0.44	T.	T.	T.	0.70	0.00	2.95	3.38	22.95
Redlands	3.00	2.82	0.25	1.21	0.82	0.00	0.65	0.04	0.00	0.00	0.25	0.00	9.04

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Reedley	1.58	2.54	0.52	0.10	0.00	0.00	0.00	0.00	T.	0.00	0.00	0.00	4.74
Represa	1.73	6.82	1.37	1.68	0.33	0.00	0.00	0.00	0.32	0.00	0.80	1.22	14.27
Rialto (near)	3.64	9.27	2.29	0.73	2.39	0.00	T.	0.01	0.00	0.00	1.25	0.02	19.60
Rio Vista	1.23	3.91	0.76	0.36	0.04	0.00	0.03	T.	0.23	0.00	0.25	0.92	7.73
Riverside	1.99	2.24	0.01	0.70	0.18	0.00	0.10	0.02	0.00	0.00	0.22	0.00	5.46
Rocklin	0.78	6.80	1.00	1.57	0.15	0.00	0.00	0.00	0.30	0.00	0.60	2.05	13.25
Rohnerville	4.45	6.69	6.09	4.15	1.25	0.00	0.00	0.06	0.36	0.00	6.60	1.93	31.58
Ruth	2.97	11.92	3.34	4.97	0.72	0.00	T.	T.	0.81	0.00	8.29	5.17	38.19
Sacramento	1.30	4.97	0.70	0.62	0.12	0.00	T.	T.	0.51	T.	0.25	0.45	8.92
St. Helena	2.88	10.66	1.69	1.50	0.44	0.00	0.00	0.00	0.19	0.00	0.95	2.16	20.47
St. John	2.18	2.48	0.31	0.76	0.65	0.00	0.00	0.00	0.73	T.	1.45	1.72	10.28
Salinas	1.19	1.75	0.80	0.16	0.11	0.00	0.00	T.	0.00	0.00	0.74	0.42	5.17
San Antonio Canon	4.46	5.39	1.71	1.79	1.40	0.00	0.27	0.00	0.00	0.00	1.29	0.01	16.32
San Bernardino	3.24	2.70	0.19	0.97	0.62	0.00	0.21	0.04	0.00	T.	0.40	0.00	8.37
San Diego	4.32	1.84	0.26	1.06	0.31	T.	T.	T.	T.	0.17	0.08	T.	8.04
San Francisco	1.83	3.81	1.42	0.33	0.08	T.	T.	T.	0.02	0.00	0.81	0.72	9.00
San Gabriel Intake	5.23	6.23	1.36	2.10	1.39	0.00	0.00	0.00	0.00	0.03	1.25	T.	17.59
San Gabriel Opid Ranch	4.91	9.07	1.67	1.98	0.96	0.00	0.00	0.00	T.	0.00	1.02	0.07	19.71
San Gabriel Power House	3.04	5.15	0.59	1.41	1.31	0.00	0.25	0.00	T.	0.00	0.84	0.00	12.59
San Jacinto	3.48	1.98	0.00	1.05	0.33	0.00	0.92	0.03	0.00	0.00	0.50	0.00	8.29
San Jose	0.98	4.88	0.77	0.26	0.22	0.00	T.	0.00	0.01	0.00	0.54	0.55	8.21
San Luis Obispo	1.59	7.01	0.44	0.11	0.49	0.00	0.01	0.00	T.	0.09	0.47	0.14	10.35
San Miguel Island	2.34	2.57	0.20	0.65	0.20	0.00	0.00	0.00	0.00	0.10	0.10	0.10	6.26
San Pedro	3.97	2.47	0.31	0.36	0.07	0.00	0.00	0.00	0.00	0.00	0.18	0.00	7.36
Santa Ana	1.93	2.61	0.14	0.29	0.18	0.00	0.00	0.00	T.	0.00	0.26	0.00	5.41
Santa Anita Forest Station	4.67	7.59	.70	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.41
Santa Barbara	3.25	7.61	0.28	0.28	0.09	0.00	T.	0.03	0.05	T.	0.17	0.03	11.79
Santa Clara	1.08	4.82	0.78	0.20	0.10	0.00	T.	0.00	0.07	0.00	0.62	0.64	8.31
Santa Cruz	2.72	4.66	1.20	0.75	0.20	0.00	0.00	0.00	0.10	0.00	1.25	1.55	12.37
Santa Monica	3.71	4.81	0.20	0.49	0.08	0.00	T.	T.	T.	0.00	0.42	0.12	9.83
Santa Rosa	2.37	5.15	1.22	2.52	0.14	0.02	0.00	0.00	0.33	0.00	1.49	2.25	15.49
Seven Oaks	3.41	4.00	1.49	2.57	0.05	0.00	1.20	1.17	T.	0.00	1.02	0.00	14.91
Shively	5.39	9.04	5.32	4.39	0.97	0.00	0.00	0.00	0.34	0.00	6.04	3.84	35.33
Sierra Alta Ranch	3.90	1.80	1.25	0.90	0.57	0.00	2.15	0.11	0.00	0.13	0.43	0.00	11.24
Sierra Madre	4.05	5.61	0.56	1.71	1.57	0.00	T.	T.	0.00	0.07	0.45	0.02	14.04
Sierraville	9.49	5.30	3.31	1.54	0.98	0.00	2.60	0.00	0.00	0.00	2.16	0.53	17.82
Sisson	2.20	6.20	3.36	2.15	0.75	0.00	0.00	0.21	0.38	0.00	3.50	3.69	22.44
Sonora	1.70	10.58	2.04	1.21	1.01	0.00							
Spreckels	0.97	2.16	0.76	0.15	0.06	0.00	T.	0.00	0.00	0.00	0.71	0.31	5.12
Springville (near)	1.77	8.83	1.79	1.66	1.52	0.00	0.10	0.06	0.00	0.05	0.92	0.29	16.99
Squirrel Inn	2.99	10.65	3.01	3.91	3.83	0.00	T.	0.00	0.00	0.00	1.40	0.00	25.79
Standish	0.04	2.16	0.36	0.52	0.30	T.	0.10	0.20	0.04	0.00	0.32	0.60	4.73
Stanwood	2.64	14.86	2.13	7.06	2.39	T.	0.00	T.	0.52	0.00	2.40	4.89	36.89
Sterling	0.40	0.01	T.	0.36	T.	0.00	0.75	0.00	0.00	0.00	T.	0.00	1.52
Stevenson Creek	1.25	8.10	1.40	2.00	1.10	0.00	0.00	T.	T.	0.00	1.00	0.50	15.35
Stirling City	3.45	18.19	2.45	8.00	3.45	0.00	0.00	0.00	0.40	0.01	1.75	6.00	43.70
Stockton	1.83	2.65	0.72	0.24	0.11	0.00	0.00	T.	0.17	0.00	0.65	0.64	7.01
Storey	1.41	2.42	0.71	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.99
Sulphur Banks	2.21	4.52	0.73	1.07	0.70	0.00	0.00	0.00	0.00	0.00	1.20	1.40	11.83
Summit (No. 1)	2.90	10.80	3.00	2.40	0.80	0.00	0.00	0.21	T.	0.00	0.91	1.00	22.02
Summit (No. 2)	2.60	0.70		0.94	0.00								
Susanville	1.10	3.22	1.42	1.58	1.00	0.08	0.20	T.	0.22	T.	0.95	0.05	9.82
Switzer's Camp	2.07	5.62											
Tahoe	2.23	11.98	3.61	2.32	0.71	0.01	0.57	0.04	0.02	0.13	1.12	3.38	26.12
Tamarack	2.60	7.60	3.60	3.23	3.44	0.00	1.80	0.18	0.23	0.00	1.59	3.55	27.82
Tejon Rancho	1.25	0.25	1.72						T.	0.00	1.00	0.25	
Three Rivers	1.57	5.66	1.04	1.30	0.50	0.00	T.	0.06	T.	T.	0.40	0.39	10.92
Toll House, Mount Wilson	3.72	4.79	0.48	1.41	1.85	0.00	0.00	0.00	0.00	0.00	0.17	0.04	12.46
Towle	6.08	21.23	3.17	5.98	1.24	0.00	T.	0.00	0.00	0.00	3.04	4.73	45.47
Truckee	1.40	5.50	3.40	0.40	0.30	0.00	T.	T.	0.00	0.00	1.06	1.10	13.16
Tujunga	3.20	4.60	0.46	1.55	0.76	T.	T.	T.	0.00	T.	0.58	0.14	11.29
Tustin (near)	2.23	2.58	0.08	0.22	0.14	0.00	0.00	0.04	T.	0.15	0.30	0.00	5.74
Twin Valley	4.40	16.10	1.83	3.66	0.34	0.00	T.	0.00	0.29	0.00	3.51	5.02	35.15
Ukiah	3.82	9.46	2.11	2.73	0.23	0.00	0.00	0.00	0.40	0.00	3.31	3.23	25.29
Upper Mattole	6.08	9.83	4.72	5.57	1.02	0.00	0.00	0.00	0.28	0.00	10.90	4.69	43.09
Vacaville	1.99	7.61	1.85	0.42									
Venice	3.57	5.44	0.11	0.38	0.00	0.00	0.00	0.00	0.05	0.00	0.34	0.10	9.99
Visalia	1.52	1.65	0.84	0.30	0.52	0.00	0.00	0.00	0.00	0.00	0.36	T.	5.19
Walnut Creek	1.48	6.55	1.04	0.43	0.02	0.00	0.00	0.00	0.07	0.00	0.14	1.07	10.80
Warner Springs	3.60	2.70	0.57	1.71	0.71	0.00	2.05	0.03	0.75	0.00	0.31	0.00	12.43
Wasco	0.41	0.23	0.05	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.79
Watsonville	1.65	5.22	0.87	0.28	0.10	0.00	0.00	0.00	0.00	0.00	0.84	0.32	9.28
Weaverville	3.46	6.69	1.51	3.20	1.00	0.00	0.00	0.07	0.54	0.00	5.06	3.02	24.82
Weitchpec	9.51	10.26	8.86										
Wells Meadows	0.11	4.94	0.40	0.61		T.	0.53	0.00	0.00		0.28	0.00	
West Branch	4.33	19.16	3.30	8.42	3.81	0.00	0.00	T.	1.42	0.01	4.87	5.94	51.26
West Point	2.43	10.80	3.78	2.22	0.98	0.00	T.	0.15	0.00	0.00	0.96	2.42	23.74
West Saticoy	2.66	6.22	0.24	0.27	0.15	0.00	0.00						
Wheatland	1.38	5.04	1.25	1.98	0.27	T.	T.	T.					
Willows	1.85	2.88	0.23	0.56	0.27	0.00	T.	0.05	0.38	0.00	1.63	0.98	8.82
Yorba Linda	1.42	3.24	0.15	0.37	0.34	0.00	T.	0.01	0.00	0.00	0.40	T.	5.93
Yosemite	1.00	9.89	2.40	1.04	1.26	0.00	0.76	0.10	T.	0.00	1.17	1.31	18.93
Yreka	2.18	2.37	0.71	1.08	1.13	0.02	T.	0.02	0.06	0.00	3.68	0.81	12.06
Colorado.													
Akron	0.27	0.52	0.90	0.93	6.32	2.06	1.52	1.78	2.19	0.57	T.	0.50	17.56
Ames	1.50	1.48	1.25	3.01	1.47	0.47	2.10	1.89	1.01	0.58	0.47	0.36	15.57
Arriba (near)	0.05	0.20	0.22	4.65	1.61		1.00	2.50	2.57	0.16			
Ashcroft	1.03	1.93				0.27	1.79	2.13	1.52	1.66	1.01	0.54	
Aspen	0.74	0.56	1.70	1.83	3.00	0.63	1.19	1.43	1.28	0.90	0.69	0.32	14.27
Auldhurst	0.28	0.55	1.07	1.89		1.15	2.60	2.27	1.30	0.49	0.23	0.12	
Barker						0.26	2.40	0.92	0.58	1.41	0.42	1.25	
Bennett	0.08	0.16	0.43	0.38	2.72	0.71	0.72	0.10	1.44	0.84	0.23	0.33	8.09
Blanca	0.15												
Bonanza	0.33	0.20	0.21	0.59	1.72	0.22			0.74	0.58	0.61	0.23	

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Colorado—Continued.													
Boulder	0.31	0.54	1.75	2.81	6.17	0.13	0.48	0.20	0.13	0.95	0.10	0.42	13.99
Buena Vista (near)	0.65	1.23	0.05	0.50	.....	.....	.....	1.30	1.10	0.20	0.09	T.	.....
Burlington	0.20	0.55	0.35	1.16	5.22	1.37	1.36	4.85	4.40	0.47	0.49	0.12	20.54
Calhan	0.33	0.77	0.80	0.74	3.55	0.81	2.16	3.41	1.09	0.55	0.13	0.04	14.38
Canadian	.....	.....	.....	.....	.....	0.07	.....	.....	.....	.....	.....	.....	.....
Canon City	0.23	0.52	0.91	2.46	1.84	1.86	0.55	1.69	0.27	0.25	0.07	T.	10.65
Cascade	2.36	2.20	1.79	5.93	3.41	0.38	3.59	2.12	2.22	0.48	0.60	0.25	25.33
Castle Rock	0.07	0.61	2.15	1.85	3.86	0 92	2.91	1.01	.....	0.14	0.66	0.03	.....
Cedaredge	0.73	.....	0.24	3.28	2.88	0.01	0.26	0.55	1.13	0.09	0.25	0.22	.....
Cheesman	0.18	0.39	1.36	1.44	3.37	0.84	2.74	2.52	0.99	0.45	0.33	0.10	14.71
Cheyenne Wells	0.10	0.50	0.77	1.53	2.59	1.33	1.28	1.74	2.74	0.35	0.25	0.15	13.33
Collbran	0.85	0.19	1.66	3.90	3.45	0.27	0.67	0.99	2.17	0.43	0.29	0.26	15.13
Colorado Springs	0.20	0.70	0.96	0.60	5.24	0.82	1.47	1.20	1.22	0.11	0.02	T.	12.54
Columbine	2.05	4.11	2.64	3.80	4.58	0.44	1.21	1.13	1.08	0.80	0.86	1.63	24.33
Columbine Ranch	1.74	2.33	1.84	4.49	3.45	0.00	0.92	2.24	1.47	0.45	0.71	0.48	20.12
Crawford	0.71	0.07	0.26	0.85	1.57	0.10	0.82	0.82	0.85	0.00	0.36	0.08	6.55
Crested Butte	2.31	3.19	1.84	2.70	4.41	T.	0.92	1.40	0.76	0.78	0.78	1.46	20.55
Cripple Creek	0.41	0.34	0.42	1.03	2.63	0.54	4.91	3.20	1.75	0.47	0.33	0.06	16.09
Cuchara Camps	1.04	1.67	1.64	4.50	2.97	0.74	0.78	1.86	2.10	0.88	0 81	0.43	18.82
Cumbres	4.00	3.62	3.40	4.81	3.38	.....	2.47	1.13	1.23	0.00	0.33	0.03	.....
Delta	0.72	0.45	0.13	2.08	3.50	T.	0.88	0.33	1.23	0.02	0.10	0.05	9.46
Denver	0.20	0.46	0.95	0.75	3.80	0.41	0.31	0.05	0.60	1.41	0.03	0.27	9.24
Dillon	0.75	0.88	0.81	2.08	4.14	0.42	2.27	1.26	0.11	1.65	0.83	0.68	15.88
Dolores	1.71	1.02	0.49	3.57	1.30	0.29	0.00	0.50	1.59	0.23	0.13	0.00	10.83
Dove Creek	1.10	0.65	0.21	4.06	0.74	0.05	0.55	2.03	1.22	0.00	0.17	T.	10.78
Durango	2.12	1.20	0.63	2.58	1.96	0.14	2.62	1.19	0.70	0.12	0.06	T.	13.32
Eads	0.35	0.20	0.14	2.03	2.41	0.64	1.01	0.15	.....	.....	0.03	0.01	.....
Edgewater	0.42	0.42	1.48	1.34	4.62	0.35	1.27	0.29	0.91	1.86	0.00	0.37	13.33
Ellicott	.....	.....	.....	1.33	2.06	2.31	0.82	4.37	1.27	.....	0.01	.....	.....
Estes Park	0.60	1.40	2.00	2.29	5.68	0.30	4.57	1.92	0.36	0.97	0.46	0.48	21.03
Fairplay	.....	.....	.....	.....	4.58	0.25	2.69	6.13	2.04	0.40	0.05	0.22	.....
Fort Collins	0.40	1.04	0.99	1.22	5.82	0.07	1.19	1.21	0.45	0.62	0.40	0.31	13.72
Fort Lewis	1.33	0.81	T.	0.35	2.14	0.25	2.15	1.68	1.09	.....	0.00	0.00	.....
Fort Lupton	0.05	0.16	0.94	0.89	3.22	0.13	1.60	0.48	1.86	0.79	0.11	0.10	10.33
Fort Morgan	0.45	0.22	0.25	0.40	7.14	1.33	1.02	2.31	1.53	0.49	0.30	0.24	15.68
Frances	0.86	1.52	2.30	2.41	5.06	0.39	2.79	1.64	0.55	2.02	0.48	3.37	23.39
Fraser	1.88	1.12	1.41	2.17	3 67	0.47	1.96	1.43	1.15	1.66	0.91	2.29	20.12
Fremont Experiment Station	0.25	1.08	1.88	1.77	3.77	0.79	1.50	3 87	1.66	0.26	0.25	0.18	17.26
Fruita (near)	1.28	0.19	0.48	1.50	1.39	0.06	0.66	0.48	0.83	T.	0.05	0.17	7.09
Frys Ranch	0.52	1.35	1.68	2.10	5.15	0.42	1.71	1.42	0.43	1.05	0.22	0.98	17.03
Garfield	0.81	2.22	1.03	1.72	3.78	0.74	2.48	2.42	1.39	1.08	0.51	0 65	18.83
Garnett	0.34	0.15	0.05	0.16	1.18	0.14	1.93	1.05	0.64	T.	T.	0.00	5.64
Georgetown	0.28	0.57	0.60	1.25	3.36	0.07	2.57	2.39	0.24	1.15	0.42	0.54	13.44
Glade Park	1.85	0.52	2.72	2.17	2.49	0.01	0.76	1.43	1.48	T.	0.34	0.17	13.94
Gladstone	2.27	2.06	2.36	8.19	1.53	0.08	2.94	2.88	.....	.....	.....	.....	.....
Glen	T.	T.	T.	T.	3.85	0.30	1.32	3.52	1.17	.....	.....	.....	.....
Glendevey	.....	.....	.....	.....	.....	.....	.....	0.06	0.17	.....	.....	.....	.....
Glenwood Springs	0.90	0.06	0.12	1.95	1.94	0.08	.....	.....	1.23	0.31	0.29	0.75	.....
Good Pasture	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.16	0.10	T.	.....
Grand Junction	0.73	0.10	0.32	1.59	1.45	0.01	0.28	0.38	1.00	T.	0.02	0.12	6.00
Grandlake	1.83	0.34	0.77	0.52	2.80	0.60	1.57	3.22	T.	1.07	.....	2.93	.....
Greeley	0.10	0.18	0.40	.....	.....	.....	.....	.....	.....	0.62	0.09	0.28	.....
Grover	0.20	0.43	1.45	1.70	4.30	0.40	1.92	2.48	0.87	0.13	0.20	1.93	16.01
Gunnison	0.47	0.43	0.14	0.40	0.65	0.16	2.21	1.37	0.40	0.09	0.08	0.16	6.56
Hamps	0.18	0.78	0.72	0.72	3.57	1.53	0.73	1.89	3.37	0.53	T.	0.15	14.17
Hartel	0.23	0.31	0.09	0.87	2.21	0.04	2.26	1.79	1.70	0.22	0.08	0.06	9.86
Hawthorne	0.44	0.55	2.06	3.23	5.93	0.32	0.82	0.52	0.44	2.11	0.06	0.70	17.18
Hayden	1.64	0.38	1.27	2.46	3.93	0.10	.....	.....	.....	.....	.....	.....	.....
Hermit	1.59	0.25	0.80	4.53	1.09	1.96	.....	2 20	1.55	0.24	0.73	0.42	.....
Hoehne	0.02	0.25	0.09	1.72	2.16	0.51	0 95	.....	0.80	0.31	0.20	T.	.....
Holly	0.15	0.14	T.	0.80	2.77	0.77	1.62	3.34	1.62	0.40	0.02	0.07	11.70
Holyoke	0.40	0.17	0.55	0.94	.....	1.79	1.88	3.69	1.30	0.27	0.34	0.50	.....
Hoyt	.....	.....	0.23	0.53	4.32	1.01	0.35	0.06	0.97	1.75	0.15	0.16	.....
Huerfano	.....	0.61	1.41	3.59	2.30	0.17	1.01	2.81	0.89	0.93	0.09	T.	.....
Idaho Springs	0.18	0.42	0.79	0.80	2.75	0.26	4.60	1.06	0.25	1.02	0.50	0.45	13.08
Ignacio	1.48	0.82	0.34	1.84	2.58	0.11	1.27	1.84	0.59	0.03	T.	0.00	10.90
Ironton	0.68	0.70	0.80	4.31	1.13	0.90	2.59	.....	.....	T.	0.78	0.51	.....
Julesburg	0.49	0.15	1.34	1.14	4.57	2.26	0.86	2.06	1.10	0.49	0.10	0.16	14.72
La Junta	0.23	0.35	0.13	1.98	2.04	0.28	0.76	1.39	2.90	0.55	0.10	T.	10.71
Lake City	.....	.....	.....	.....	.....	.....	.....	.....	0.11	.....	.....	.....	.....
Lake Moraine	0.15	0.98	1.22	2.29	4.12	1.20	2.12	3.28	2.49	0.86	0.17	0.13	19.01
Lamar	0.43	0.50	0.30	1.66	1.76	1.25	0.87	1.34	3.10	0.72	T.	0.00	11.93
La Porte	0.26	1.27	1.82	1.19	5.65	0.10	0.96	1.75	0.47	0.72	0.50	0.27	14.87
Las Animas	0.10	0.22	0.23	1.23	1.83	0.86	1.78	0.94	3.42	0.50	0.07	0.00	11.18
LaVeta Pass	0.99	1.50	1.07	2.16	2.75	0.18	0.85	1.35	4.07	0.35	0.21	0.22	15.70
Lay	2.34	1.30	1.97	2.46	3.82	0.29	0.94	0.52	0.92	0.26	0.24	0.56	15.62
Leadville	0.79	1.05	0.67	1.42	2.59	0.30	2.50	1.26	0.65	0.86	0.72	1.20	14.01
Leroy	0.36	0.20	1.30	1.21	5.95	0.94	1.83	2.35	0.86	0.49	0.33	0.72	16.54
Limon	0.36	0.59	0.46	0.38	7.63	2.50	1.58	1.76	2.82	0.77	0.10	0.33	19.28
Lonesome	.....	.....	.....	3.54	4.07	0.18	2.35	1.64	1.87	0.87	0.70	0.44	.....
Longmont	0.19	0.50	1.23	1.36	4.66	0.28	1.50	0.35	0.87	0.91	0.11	0.16	12.12
Longs Peak	0.59	2.77	2.60	1.84	3.29	0.00	4.40	1.65	0.43	0.16	0.11	0.74	18.58
Lost Creek	.....	.....	.....	.....	.....	0.32	0.69	0.72	1.46	1.31	1.22	1.07	.....
Madrid	0.32	0.43	0.22	2.57	1.72	0.42	2.43	3.06	1.71	0.31	0.48	0.16	13.73
Manassa	0.36	0.29	T.	T.	0.81	0.05	0.20	0.71	0.18	T.	T.	0.04	2.64
Mancos	1.15	0.80	0.84	3.03	1.96	0.38	0.59	0.66	0.62	0.12	0.05	0.03	10.23
Marble	2.02	2.12	2.56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marshall Pass	0.60	1.17	1.73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meeker	1.78	0.63	0.75	2.41	3.03	0.12	1.02	1.21	1.27	0.28	0.45	0.10	13.05
Montrose	0.62	0.07	0.69	1.09	2.18	0.16	0.49	1.53	0.73	0.13	0.10	0.00	7.79
Monument	0.23	0.78	1.36	1.00	4.43	0.76	1.62	2.11	1.16	0.75	0.52	0.24	14.96
Nast	0.85	1.01	1.30	1.84	2.81	0.78	1.61	1.47	1.10	1.08	1.27	0.99	16.11
North Lake	0.76	1.21	1.93	2.05	2.42	0.18	1.37	2.44	2.58	0.38	0.25	T.	15.57
Ordway	0.35	0.23	0.94	1.97	2.26	0.47	0.27	1.23	2.31	.....	.....	.....	.....
Pagosa Springs	2.98	.....	1.91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Colorado—Continued.													
Palisade Lake							3.52	2.56	2.18	0.10	0.23	0.00	
Palisades	0.67	0.13	0.88	3.32	1.17	T.	0.71	0.83	1.16	0.00	0.04	0.21	9.12
Paonia	1.24	0.49	1.07	3.54	3.27	0.32	1.09	0.77	0.92	0.97	0.27	0.45	14.40
Peetz	0.49	0.05	1.26	0.88	4.82	0.71	1.58	2.64	1.60	0.20	0.00	0.26	14.49
Piney						0.78	0.78	1.26	1.34				
Pitkin	0.62	2.37	0.53	0.80	2.15	0.22	2.92	2.32	0.58	0.61	0.69	0.32	14.13
Platoro	3.83	3.14	3.23	5.51	2.57	0.18	3.38	2.42	1.22	0.11			
Platte Canon	0.61	0.76	2.01	2.60	7.22	1.16	0.54	0.84	0.93	1.18	0.49	0.38	18.77
Pueblo	0.22	0.49	0.44	1.39	3.01	0.58	1.32	1.74	3.25	0.51	0.02	0.03	13.00
Redvale	0.60	0.06					1.38	1.24	0.73	0.02	0.24	T.	
Rico	1.46	1.07	1.19	2.73	1.32	0.00	2.13	1.74	2.64	0.00	0.25	0.54	15.07
Rifle	0.90	0.30	0.62	2.77	1.73	0.02	0.84	1.19	1.04	0.83	0.31	0.22	10.77
River Portal				2.03									
Rocky Ford	0.17	0.22	0.35	0.99	1.62	0.25	1.60	1.18	2.45	0.12	0.00	T.	8.95
Saguache	0.38	0.25	0.52	0.40	2.64	0.48	2.85	1.80	0.60	T.	T.	T.	9.92
Saint Elmo	0.90	2.14	0.97	1.90	3.63	0.59	3.18	1.60	1.05	0.48	0.42	0.60	17.46
Salida	0.35	0.26	0.24	1.12	0.92	0.00	2.14	1.24	0.40	0.07	0.20	T.	6.94
San Luis	0.21	0.45	0.36	0.27	1.87	0.38	1.52	0.77	0.75	0.16	T.	0.02	6.76
Sapinero	1.89	0.71	1.66	2.93	3.36	0.30	2.02	2.37	1.25	0.26	0.68	0.55	17.98
Savage Basin	3.96	2.33	4.10	9.95	3.70	0.25	2.72	2.61	1.73	0.93	1.75	1.58	35.61
Sedgwick						1.96	1.99	1.92	1.29	0.36	T.	0.10	
Shoshone				3.45	3.04	0.38	2.21	1.19	0.94		0.99	0.72	
Silver Lake	1.94	3.44	2.36	3.74		1.23	5.18	2.09		0.76	0.93	6.52	
Silverton	1.38	0.90	1.40	3.69	1.43	0.05	2.17	2.72	1.87	0.44	0.50	0.10	16.65
Simpson	T.	0.19	0.26	0.30	5.02	1.96	0.73	0.88	1.81	1.08	0.15	0.40	12.78
Spicer	0.01	0.30	1.20	1.68	3.12	0.01	1.37	0.31	0.25	0.57	0.39	0.71	9.92
Springfield	0.40	0.60	0.25	2.70	1.58	0.55	0.79	1.72	2.55	0.10	1.20	0.00	12.44
Spruce Lodge	2.50	1.33	2.28	3.00	5.15	1.01	2.67	2.11	1.21				
Steamboat Springs	2.34	1.58	2.77	4.02	3.87	0.17	1.27	1.65	1.94	1.38	1.71	2.77	25.47
Sterling	0.17		0.45	0.27	5.14	0.21	0.64	3.41	1.15	0.29	0.35	0.31	
Stonewall	0.37	0.85	T.	1.95	2.53	0.01	1.02	2.87					
Tacoma	1.89	1.02	0.77	2.90	2.04	0.37	2.16	1.26	1.50	0.10	T.	T.	14.01
Telluride	0.93	0.94	1.43	2.94	1.09	0.41	1.91	1.86	1.03	0.38	1.68	0.55	15.15
Terminal Dam	2.73	2.50	1.84	3.81	2.65	0.29	2.37	0.87	1.25	0.22	0.14	0.17	18.84
Trinidad	0.38	0.66	0.52	2.79	2.67	0.65	1.44	2.23	0.64	0.76	0.60	0.20	13.44
Trout Lake	0.62	1.01	1.09	3.39	3.28	0.48	1.89	0.38	0.61	0.72	0.22	0.68	14.37
Two Buttes	0.09	0.02	0.40	1.31	2.28	0.48	0.81	2.77	0.82	0.14	0.15	0.10	9.37
Two Buttes Reservation	0.16	0.35	0.08	1.33	2.26	0.42	0.43	2.88	0.82	0.28	0.52	0.04	9.57
Vallecito					1.67	0.15	1.67	1.89	1.80	0.10	0.15	0.00	
Victor	0.33	0.69	1.44	1.41	2.75	1.02	3.56	3.64	2.59	0.33	0.30	0.03	18.09
Wagon Wheel Gap (Exp. Station)	1.37	0.48	1.15	3.51	2.01	0.17	2.16	1.74	1.03	0.11	0.80	0.20	14.73
Wagon Wheel Gap (River)	1.14	0.21	0.25	2.21	1.08	0.24	2.27	1.72	0.58	0.02	0.30	0.30	10.32
Waterdale	0.14	1.36	2.08	1.94	6.37	0.07	1.77	1.57	0.50	0.97	0.00		
Westcliffe	1.20	0.40	0.69	2.21	2.13	0.60	2.11	1.92	0.33	0.44	0.10	T.	12.13
Wiggins	0.23	0.03	0.49	0.77	7.55	0.96	0.68	0.36	0.89	0.88	0.35	0.36	13.50
Willard	0.38	0.17	0.55	0.32	5.81	0.57	1.36	3.07	1.44	0.36	0.18	0.39	14.65
Wortman	0.68	0.92	1.63	3.10	6.00	0.30	2.90	0.42		2.57	0.96	1.85	
Wray				2.35	4.77	1.70	2.57	3.75	1.45	0.48	0.00		
Yampa	2.27	3.17	4.09	3.88	3.20	0.37	0.66	1.24	1.71	0.74	0.86	1.79	23.98
Yuma	0.37	0.27		1.09	6.32	1.77	0.56	2.06	1.53	0.39	0.12	0.40	
Connecticut.													
Bridgeport	3.27	2.36	6.49	2.79	3.55	3.48	2.97	3.38	2.35	5.44	1.15	3.59	40.82
Canton	3.02	2.75	2.93	2.73	4.32	6.81	3.72	4.48	0.78	9.21	1.24	3.51	45.49
Colchester	4.13	1.62	5.82	3.18	3.59	4.77	2.72	7.11	2.52	6.07	0.74	3.12	45.39
Cream Hill	2.84	2.78	3.47	1.76	3.43	6.22	3.98	3.99	0.70	6.10	0.84	2.88	38.99
Danielson	3.68	2.55	4.10	1.25	3.53	5.16	2.50	6.40	1.98	5.48	0.85	1.10	38.58
East Hartland	3.07	4.74	4.14	2.57	4.28	4.80	2.51	6.50	0.54	9.07	1.03	3.43	46.68
Falls Village	3.19	2.58	2.90	2.08	2.99	4.75	1.86	3.01	0.40	6.43	0.95	2.28	33.42
Hartford	2.90	2.20	4.12	2.47	3.66	4.02	4.07	6.92	1.27	5.30	1.37	3.22	41.52
Lake Konomoc	3.85	3.62	8.74	2.44	3.93	4.64	2.36	5.53	4.11		0.71	3.96	
New Haven	3.34	2.16	6.21	3.00	3.45	3.36	3.35	2.53	2.23	4.68	1.08	3.90	39.29
New London	4.14	2.08	5.60	4.74	4.13	4.25	2.46	4.90	4.47	3.49	1.65	1.40	43.31
North Grosvenor Dale	3.38	3.76	4.60	1.99	5.01	5.16	1.44	5.40	1.17	5.89	0.73	2.51	41.04
Norwalk	2.80	1.75	4.36	2.04	3.14	3.78	3.15	2.37	1.53	6.74	1.42	3.18	36.26
Southington	2.03	1.60	3.10	1.95	3.20	2.70	1.40	5.05	1.20	6.30	1.00	4.10	33.63
Storrs	2.86	3.20	4.84	1.87	3.00	4.05	2.65	7.06	1.13	6.12	0.47		
Torrington	3.47	3.00	3.95	2.51	3.79	6.93	4.27	6.34	0.51	7.32	0.90	3.48	46.47
Voluntown	3.06	2.07	4.99	2.30	3.09	4.54	2.04	4.51	3.14	5.88	0.43	2.52	38.57
Waterbury	3.04	2.35	4.24	2.72	4.07	3.51	1.93	5.62	1.57	8.72	0.97	2.09	40.83
Delaware.													
Delaware City	2.32	1.55	3.58	0.99	1.81	2.88	6.56	2.59	3.84	4.59	0.47	1.64	32.82
Milford	2.99	2.81	8.14	2.98	3.51	5.93	9.53	4.61	2.64	8.16	0.43	2.49	54.22
Millsboro	3.17	2.55	8.85	3.46	3.18	3.89	3.94	2.87	2.46	8.42	0.51	2.94	46.24
Newark	3.35	1.52	5.76	2.77	4.25	4.52	6.39	4.06	4.81	7.09	0.41	1.99	46.92
Seaford	2.86	2.64	7.76	3.33	2.68	4.59	4.67	3.78	2.76	7.50	0.26	1.74	44.57
Wilmington	3.41	1.90	3.50	1.62	3.15	5.06	5.32	3.86	3.59	6.18	0.87	2.03	40.49
District of Columbia.													
Washington (U. S. Weather Bu.)	2.57	1.97	5.12	2.16	1.84	6.25	9.41	0.77	1.34	4.81	0.53	1.47	38.24
Washington (American University)					2.31	5.66	10.31	1.16	1.83	5.26			
Florida.													
Apalachicola	1.40	2.14	2.21	1.38			7.48	10.59	7.35	0.16	1.32	1.41	
Arcadia	0.50	2.02	0.91	1.61	0.99	6.56	7.12	9.12	8.51	4.99		1.20	
Archer	0.49	2.11	1.51	2.02	1.40	3.38	7.35						
Avon Park	0.78	1.14	0.51	1.07	1.78	7.83	4.38	3.73	10.64	4.03	0.64	0.47	37.00
Bartow	0.98	1.58	2.98	1.70	2.81	9.77	11.09	9.48	12.35	8.43	0.19	0.41	61.77
Bassenger (near)	T.	1.49	0.60	2.32	6.03	5.24	8.92	8.54	10.50	1.10	0.54		
Boca Grande	0.37	1.61	1.36	1.17	1.30	2.36				3.22	1.20	0.05	
Bonifay	7.60	5.40	2.05	0.49	1.73	2.99	9.59		2.94	0.29	0.87	1.42	

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Florida—Continued.													
Bradentown	0.72	1.10	0.44	3.04	1.55	7.93	9.41	15.02	4.41	3.97	0.81	0.77	49.17
Bristol	7.23	4.35	1.66	0.73	2.62	9.17	11.18	9.33	2.60	0.26	1.30	2.42	52.85
Brooksville (1)	0.66	1.22	0.80	1.61	3.89	9 43	.....	.....	10.32	2.33	0.40	1.74	.....
Brooksville (2)	0.42	1.30	0.36	2.41	4.74	9.20	7.36	9.13	9.39	1.97	0.89	1.28	48.45
Carrabelle	1.51	2.15	0.97	0.83	2.69	4.03	5.93	5.03	.....	0.14	0.82	1.91	.....
Cedar Keys	0.56	1.95	1.25	1.09	2.45	5.31	9.37	8.35	5.33	2.15	0.50	1.88	40.19
Clermont	0.72	1.33	1.31	2.71	3.07	6.25	.....	4.47	7.07	2.86	.....	0.64	.....
Coleman	0.78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crescent City	0.82	1.01	2.25	.....	2.73	6.78	8.82	7.68	4.95	1.99	0.54	1.22	.....
Davie	0.12	0.22	5.30	2.08	3.29	6.50	3.68	4.98	9.76	5.54	0.58	2.01	44.06
De Funiak Springs	.....	.....	3.41	0.40	1.76	4.41	13.68	5.84	4.17	1.43	1.17	1.83	.....
De Land	0.50	1.97	2.14	2.00	2.87	4.21	6.49	.....	9.77	1.80	0.13	1.38	.....
Eustis	0.73	0.97	1.53	0.86	1.94	5 06	7.95	6.77	6.17	1.77	0.48	1.12	35.35
Federal Point	0.96	2.28	5.91	1.68	1.03	9.19	6.49	4.87	3.61	1.11	0.17	1.10	38.31
Fellsmere	1.79	0.94	0.48	1.10	3.45	5.59	7.47	6.04	11.76	1.63	0.51	0.74	41.50
Fenholloway	1.80	2.70	1.00	1.56	2.22	4.60	5.10	9.83	4.74	0.86	0.98	2.78	38.17
Fernandina	0.34	1.41	2.27	0.84	2.39	4.88	4.45	5.94	4.47	0.68	1.56	1.26	30.49
Fort Lauderdale	T.	0.14	3.03	1.33	3.61	7.48	4.99	8.21	11.13	4.00	0.95	2.62	47.49
Fort Meade	1.44	2.97	0.55	1.98	3.69	6.51	6.40	9.11	11.86	4.11	0.25	0.31	49.18
Fort Myers	0.01	1.46	1.54	1.84	1.06	8.77	9.92	9.54	8.97	2.08	0.65	0.35	46.19
Fort Pierce	0.90	3.23	0.19	0.44	1.18	4.66	4.79	3.18	6.65	3.37	0.49	2.65	31.73
Gainesville	0.98	2.53	1.40	2.34	0.88	2.70	6.73	5.74	6.60	0.55	0.72	1.62	32.79
Garniers (near)	8.75	3.52	2.70	1.42	1.26	4.62	2.71	4.49	5.04	0.38	0.96	2.60	38.45
Griffin	0.00	0.60	4.48	3.16	3.45	6.75	7.91	7.51	14.03	8.38	0.62	0.75	57.64
Hilliard	1.09	2.18	3.36	1.94	4.47	6.29	7.64	9.76	2.90	0.10	0.36	1.32	41.41
Homestead	0.63	0.36	3.98	3.14	3.16	7.75	7.77	7.99	15.84	6.62	0.26	0.40	57.90
Hypoluxo	0.13	3.05	2.85	2.82	2.39	5.55	5.08	4.76	15.69	8.03	0.89	1.82	53.06
Inverness	0.36	1.05	0.54	1.38	3.43	8.21	8.31	.....	.....	.....	0.43	2.78	.....
Isleworth	1.16	0.81	2.22	1.17	3.03	4.07	7.16	7.95	9.64	4.15	0.00	0.85	42.21
Jacksonville	0.41	1.46	1.81	0.82	1.83	3.03	10.36	6.65	3.47	0.38	0.23	2.11	32.56
Jasper	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Johnstown	0.90	1.89	2.80	1.04	2.87	1.76	4.70	5.74	5.21	0.18	0.43	2.61	30.13
Key West	0.14	0.79	3.87	1.07	2.06	2.79	0.80	4.79	8.37	3.67	0.28	0.14	28.77
Kissimmee	0.55	1.94	1.19	0.94	3.23	2.45	6.22	7.35	7.27	5.67	0.10	0.79	37.70
Lake City	0.81	2.70	2.42	1.10	3.68	4.05	6.57	6.50	3.34	0.72	0.72	3.02	35.63
Lakeland	1.70	2.02	1.12	2.89	1.29	10.24	8.74	10.47	6.60	6.93	T.	T.	52.00
Live Oak	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.80	.....	.....
Lock No. 1	0.10	0.85	3.39	3.18	2.36	7.48	5.97	7.75	8.20	6.50	0.57	0.90	47.25
Long Key	0.15	0.41	0.84	1.58	1.31	3.68	0.63	4.81	10.36	4.23	0.12	0.65	28.77
Lucerne Park	1.02	2.25	3.17	1.95	1.82	6.29	4.64	8.43	11.77	5.74	T.	0.40	47.48
Lynne (near)	0.56	1.62	1.50	1.09	2.95	9.55	7.12	4.22	5.72	1.41	0.30	2.57	38.61
Macclenny	0.09	2.12	2.51	1.17	3.08	7.36	3.60	.....	4.45	0.20	0.60	.....	.....
Madison	2.74	2.13	2.43	1.86	3.86	5.69	7.21	4.97	5.19	1.12	0.56	1.88	39.64
Malabar	0.64	1.44	1.06	1.53	1.95	3.19	5.47	5.65	9.47	3.24	0.64	1.88	36.16
Marianna	6.27	3.43	1.66	2.18	2.33	4.98	6.07	8.47	4.86	0.79	0.86	1.27	43.17
McDonald	0.81	0.65	1.32	0.63	2.15	4.08	6.22	5.42	7.56	3.15	0.51	1.37	33.87
Melrose	1.13	2.19	2.45	2.50	1.40	2.54	8.05	7.60	2.27	1.34	1.38	1.26	34.11
Merritts Island	0.45	0.55	0.71	0.10	1.86	2.30	4.98	8.05	8 29	2.17	0.01	1.07	30.54
Miami (No. 1)	0.11	0.45	3.03	3.74	4.62	6.71	2.48	4.32	18.55	2.11	0.24	1.46	47.82
Miami (No. 2)	0.41	0.63	3.86	4.73	6.05	7.69	3.16	5.21	18.71	2.19	0.52	2.14	55.30
Middleburg	0.50	1.40	2.92	1.17	2.16	3.09	6.30	16.34	4.27	4.14	1.21	1.45	44.95
Molino	4.20	8.09	.....	.....	.....	2.11	4.53	6.76	15.74	2.15	1.22	2.04	.....
Monticello	.....	.....	.....	.....	.....	4.48	4.84	4.59	2.80	0.83	0.65	1.69	.....
Morton's Farm	0.43	1.10	2.69	1.26	1.78	.....	.....	.....	.....	.....	0.48	2.76	.....
Mount Pleasant	8.01	4.08	2.72	0.82	3.25	4.43	4.21	7.17	3.20	0.20	0.89	1.33	40.31
New Smyrna	0.35	0.59	1.56	0.62	2.53	2.00	4.01	8.69	10.27	3.20	0.18	2.86	36.86
Ocala	0.61	1.96	1.65	1.12	4.52	6.45	7.24	9.04	8.94	1.40	0.26	2.97	46.16
Orange City	0.71	0.65	2.58	1.10	3.69	7.26	8.07	8.01	10.94	3.60	0.29	1.00	47.90
Orlando	1.15	1.17	2.41	0.56	5.78	3.89	11.17	8.15	8.87	3.55	0.19	0.92	47.81
Pensacola	5.21	3.08	2.62	2.14	5.93	3.74	3.96	9.47	10.23	0.75	1.11	3.73	51.97
Pinellas Park	1.11	1.58	0.53	1.64	1.39	2.96	10.85	20.06	6.03	10.16	0.48	0.55	57.34
Plant City	1.35	2.39	3.02	1.10	2.25	.....	.....	.....	.....	7.18	0.34	0.26	.....
Punta Gorda	0.47	0.99	.....	1.08	1.65	6.29	3.58	9.61	12.07	3.98	0.21	0.38	.....
Quincy	7.88	3.68	2.59	0.78	4.76	3.51	8.33	7.52	2.56	0.08	0.99	1.42	44.10
Ritta	0.81	0.65	1.03	0.13	.....	.....	.....	.....	.....	1.25	0.36	0.16	.....
Rockwell	0.75	0.70	1.00	.....	3.30	3.30	7.20	10.13	6.60	1.75	0.00	2.33	.....
St. Andrews	6.09	3.00	1.00	1.34	1.80	1.89	4.43	10.81	2.66	0.16	0.58	3.01	36.77
St Augustine	0.43	0.67	3.59	0.77	0.97	2.63	5.87	4.21	9.01	2.76	0.37	3.51	34.79
St. Cloud	0.43	1.95	1.55	0.93	2.14	2.12	2.43	7.54	8.74	4.03	0.30	0.65	32.81
St. Leo	1.27	3.03	0.38	2.09	2.11	7.91	8.47	14.56	8.85	3.23	0.59	1.56	54.05
St. Petersburg	1.08	1.86	0.19	2.50	1.63	6.21	6.50	10.83	5.39	6.77	0.33	0.73	44.02
Sand Key	0.03	0.51	2.67	1.76	2.17	3.68	0.93	2.83	10.39	3.54	0.37	0.11	28.99
Sanford	0.44	0.91	3.55	0.75	2.68	2.22	6.90	5.85	8.84	4.53	0.29	1.03	37.99
Satsuma Heights	0.26	1.23	1.13	2.91	1.60	7.39	6.32	9.01	6.68	0.99	0.32	1.15	38.99
Switzerland	0.40	1.30	3.82	1.43	2.95	2.02	9.55	7.16	7.06	1.43	1.22	0.92	39.26
Tallahassee	4.85	4.32	2.16	0.94	3.55	2.50	6.88	8.73	2.72	0.75	1.25	2.18	40.83
Tampa	0.66	1.56	0.47	1.65	1.19	4.21	7.21	10.54	5.37	3.99	0.20	0.49	37.54
Tarpon Springs	0.36	2.00	0.77	1.37	1.31	3.10	6.69	11.80	4.90	7.57	0.55	0.81	41.23
Titusville	0.45	1.73	0.91	0.20	3.27	4.45	4.40	6.05	.....	1.77	0.09	0.83	.....
Wausau	.....	.....	.....	.....	.....	.....	10.96	4.80	3.37	0.06	1.09	2.39	.....
Georgia.													
Abbeville	4.30	3.33	4.94	3.44	3.20	1.00	6.61	6.91	6.33	0.30	0.72	1.05	42.13
Adairsville	.....	6.29	11.98	2.48	4.10	5.10	5.05	6.00	3.95	1.92	1.67	1.72	.....
Alapaha	5.75	6.77	3.08	3.02	2.46	0.76	6.46	8.19	6.36	0.47	0.75	0.62	44.69
Albany	5.73	5.34	7.00	2.05	2.16	1.48	6.79	7.71	3.24	0.66	0.54	0.56	43.26
Americus	6.08	6.94	8.51	2.38	5.20	5.24	7.83	6.25	2.94	0.46	0.84	1.82	54.59
Athens	3.96	5.64	10.89	3.17	2.46	2.17	2.02	4.34	5.99	0.89	1.41	1.24	44.18
Atlanta	5.11	5.81	9.15	3.17	4.37	1.75	1.98	5.61	6.44	1.60	1.81	0.89	47.39
Augusta	4.59	3.40	4.10	4.43	2.09	2.88	5.75	1.86	8.22	0.60	1.22	1.41	40.55
Bainbridge	6.48	2.98	1.81	2.31	3.12	3.40	6.39	9.42	1.85	0.15	1.79	2.18	41.88
Blakely	5.94	5.67	5.04	5.05	0.65	3.61	9.77	5.75	3.97	1.04	0.93	0.68	48.30
Blue Ridge	.....	5.88	17.06	3.71	3.20	7.37	4.40	.....	.....	.....	.....	.....	.....
Brunswick	.....	.....	.....	2.47	2.89	3.22	3.19	4.75	5.55	0.01	0.28	3.97	.....
Butler	4.64	5.90	7.28	3.03	4.46	4.61	5.08	4.47	3.96	0.98	1.57	1.79	47.77

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Georgia—Continued.													
Canton	6.11	9.45	13.36	4.20	1.92	3.93	4.13	5.48	6.68	1.38	0.54	2.09	59.27
Carlton	3.75	5.78	10.08	3.43	5.27	1.87	4.75	5.36	6.55	1.20	3.78	1.39	53.21
Clayton	6.03	7.45	11.95	6.21	2.18	3.31	8.01	4.73	5.79	3.89	2.46	1.11	63.12
Columbus	5.04	5.87	7.89	3.23	2.01	1.20	5.88	6.10	4.58	1.19	0.83	1.87	45.69
Concord	5.72	4.45	10.45	3.79	2.43	6.45	4.53	4.09	6.77	1.45	0.68	2.19	53.00
Covington	5.85	5.90	10.25	4.42	2.40	1.35	2.75	6.55	5.90	0.95	0.80	1.25	48.17
Dahlonega	5.97	7.51	12.78	3.92	4.77	5.35	3.82	3.42	5.88	2.10	0.94	1.56	58.02
Dublin	5.68	5.75	6.40	1.70	3.13	1.69	4.71	3.52	10.74	0.80	0.65	0.99	45.76
Eastman	4.56	5.72	6.23	2.40	2.91	2.37	11.40	5.19	6.34	0.27	0.44	1.62	49.45
Eatonton	3.93	4.08	7.96	4.72	2.52	1.50	3.46	4.28	8.43	1.48	1.21	1.39	44.96
Fair View	5.40	3.93	7.57	3.48	2.06	2.56	4.48	3.01	4.29	1.42	1.35	2.21	41.76
Fitzgerald	4.20	4.67	3.70	2.35	4.59	0.90	5.95	6.54	5.08				
Fort Gaines	5.83	5.62	5.45	2.05	1.10	3.82	5.33	11.49	4.70	0.62	1.30	1.14	48.45
Gainesville	5.63	8.88	10.69	3.41	2.68	4.99	2.94	5.78	4.14	1.66	1.02	2.15	53.97
Gillsville	5.12	8.08	9.92	3.13	2.90	2.17	3.18	6.07	4.82	1.53	0.62	1.77	49.31
Glennville	4.09	2.69	2.58	2.27	2.51	3.73	8.76	11.11	3.75	0.48	0.72	1.51	44.20
Goat Rock	4.94	5.08	8.16	2.23	2.44	2.77	6.38	3.34	4.50	1.18	1.52	1.38	43.92
Greensboro	6.56	4.46	7.30	4.12	2.24	2.09	2.59	2.95	8.98	2.46	0.98	1.35	46.08
Griffin	6.56	3.89	14.01	4.52	2.46	3.27	4.83	3.48	9.71	1.31	0.69	2.75	57.48
Hartwell	2.53	5.68	8.07	3.59	2.89	2.58	3.67	5.57	3.01	3.07	0.68	1.08	42.42
Hawkinsville	5.23	5.00	6.37	1.75	2.34	3.12	6.71	6.04	8.26	0.32	0.44	1.61	47.19
Lisbon	3.68	4.67	8.21	2.80	1.66	2.63	7.09	2.26	7.41	2.09	0.87	1.41	40.78
Lost Mountain	5.09	4.40	11.05	4.17	4.08	1.10	3.45	7.20	4.17	1.05	1.81	0.90	48.47
Louisville	5.12	3.85	3.76	1.51	2.56	1.38	3.06	3.99	7.08		0.57	2.61	
Lumber City	3.09	4.44	1.89	1.25	0.89	0.62	4.96	6.84	3.40	0.25	0.35	0.79	28.77
Lumpkin	4.83	6.84	6.57	2.84	2.20	3.39	6.12	6.87	3.78	0.39	1.53	1.32	48.48
Macon	4.69	3.23	6.21	3.94	0.84	0.40	4.54	5.12	4.99	0.74	1.65	1.31	37.66
Marshallville	5.60	8.60	7.70	3.41	2.91	1.34	4.79	7.08	4.36	0.44	1.44	2.48	50.15
Milledgeville	4.81	3.00	6.30	4.91	2.25	2.47	5.13	3.79	6.67	1.61	1.68	1.72	44.34
Millen	4.38	3.70	6.55	1.80	2.00	1.50	6.85	1.24	6.10	0.17	0.20	1.64	36.13
Montezuma	5.19	5.73	7.37	4.11	2.35	2.18	5.68	5.91	5.77	1.47	1.22	1.53	48.51
Monticello	5.90	4.18	9.61	4.05	3.44	3.46	2.57	4.89	7.43	1.58	1.62	1.86	50.59
Newnan	9.23	4.58	11.96	3.69	0.75	2.82	2.48	6.00	9.70	0.51	1.52	1.79	55.03
Norcross	5.56	7.00	10.40	3.96	2.20	1.12	4.83	6.24	7.00	1.36	1.32	1.18	52.17
Point Peter	4.27	6.37	9.85	3.20	2.60	4.89	3.81	4.92	7.87	1.84	3.99	1.45	55.06
Putnam	5.00	6.70	6.35	3.05	2.50	1.35	2.78	9.74	3.25		1.35		
Quitman	6.12	4.01	2.92	3.90	3.06	4.08	4.22	6.54	1.49	1.15	0.44	2.31	40.24
Ramhurst	6.67	5.77	14.71	4.26	3.61	6.30	5.69	3.82	5.40	2.39	0.92	1.79	61.33
Resaca	6.23	6.52	14.15	3.58	2.31	5.05	3.70	4.71	5.56	3.35	1.25	1.40	57.81
Rome	5.56	7.21	11.76	3.07	3.33	4.29	5.55	5.28	5.79	2.18	1.06	1.33	56.41
St George	1.01	1.91	3.05	1.13	2.21	2.87	7.47	5.59	3.12	0.51	0.43	1.60	30.90
Savannah	3.68	3.32	2.69	1.92	3.16	3.72	8.39	10.22	1.77	0.54	0.75	1.97	42.15
Statesboro	2.88	3.12	5.47	3.88	3.69	4.91	5.57	4.34	2.76	0.58	1.02	1.99	40.21
Talbotton	4.92	4.93	7.75	3.13	1.63	2.54	3.16	3.21	5.80	1.39	1.72	2.14	42.32
Tallapoosa	6.96	5.87	11.43	3.96	2.23	4.31	3.12	8.24	10.79	0.99	1.82	1.77	61.49
Tate			12.20	4.11	2.87	2.99	3.75	4.65	4.46	1.84	0.70	1.92	
Thomasville	6.61	3.74	1.98	1.55	3.23	2.59	9.11	8.95	2.15	0.35	0.61	1.82	42.69
Toccoa	4.66	8.39	10.05	3.25	1.55	2.99	3.76	5.67	8.39	2.30	3.13	1.50	55.64
Valdosta	7.08	3.05	2.15	1.85	3.80	3.05	5.50	5.30	3.77	0.40	0.45	2.20	39.20
Warrenton	5.34	3.44	5.66	4.56	2.69	2.90	3.86	2.16	7.31	2.05	2.18	1.62	43.77
Washington	5.59	5.23	8.77	3.13	2.42	5.15	3.80	2.10	8.85	3.90	1.20	1.25	51.39
Waycross	5.90	3.74	2.59	1.89	4.50	2.48	7.45	9.10	6.87	0.24	0.36	1.90	47.02
Waynesboro	5.53	3.33	4.05	1.41	2.60	3.20	5.08	4.78	5.57	0.54	0.21	1.46	37.76
West Point	5.41	4.18	9.82	2.75	2.15	3.79	3.73	4.71	6.46	0.78	0.54	1.53	45.85
Woodbury	5.87	3.85	8.76	2.63	1.87	2.18	3.64	3.80	4.52	1.40	0.72	2.28	41.61
Zebulon		5.93	9.03	3.80	3.05	7.46	6.47	3.63					
Idaho.													
Aberdeen	0.45	1.17	0.54	1.40	3.19	0.19	0.31	0.02	0.26	0.00	1.89	0.20	9.62
American Falls	1.18	1.23	1.53	2.25	2.71	0.18	1.20	T.	0.03	0.00	2.64	0.42	13.37
Arco											0.71		
Arrowrock		2.10	3.45	3.70	1.70	T.	T.	0.00	1.00	0.13	2.65	6.05	
Ashton	1.66	1.46	1.58	2.60	2.93	0.56	0.51	0.34	2.16	0.07	1.03	1.68	16.58
Atlanta							0.16	0.41	1.69	0.30		10.65	
Avery	4.50	3.69	4.60	2.42		1.45			1.30	1.22	1.07	13.97	
Bear Valley							0.18	0.26	1.70				
Beaver Creek							0.04	0.11	1.81				
Big Smoky							0.66	0.91	0.87				
Big Springs	3.87	3.83		3.65	1.98	1.83	0.59	0.69	2.99	0.19			
Blackfoot	0.89	1.37	1.31	0.99	2.19	0.36	0.07	0.26	1.09	T.	0.82	0.20	9.55
Blackfoot Dam	0.96	2.88	3.04	1.40	2.34	0.09	1.08	T.	1.70	0.23	0.60	1.14	15.46
Bogus Creek	1.77	2.73	2.89	4.88	3.60	1.13	T.	0.24	2.41	T.	2.59	6.28	28.52
Boise	1.10	1.21	1.75	3.13	2.06	0.34	T.	T.	1.33	T.	1.17	2.33	14.49
Boise King	2.48	4.15	3.64	2.43	2.74	0.90	0.06	0.25	1.25	0.43	3.00	11.06	32.35
Bonanza	2.00	3.38	1.81	1.73	1.88	0.49	0.75	0.20	1.34	0.10	1.80	5.95	21.48
Bostetter							1.43	0.08	1.11	0.34			
Boulder Mine	2.80	4.05	4.95	2.90	3.08	0.76	0.19	0.59	1.53	0.16	2.90	8.29	32.29
Brownlee	1.70	2.41	1.65	2.81	1.16	0.39	0.00	0.21	3.13	T.	1.53	5.04	20.03
Buhl			1.01	1.89	0.83	0.03	0.03	0.10	0.56	0.00	0.86	0.60	
Burke	5.72	4.90	5.41	1.04	2.58	2.98	0.00	0.00	1.61	2.33	1.16	18.95	46.63
Burley							0.77	0.08	1.89	0.00	1.58	0.38	
Caldwell	0.65	0.79	1.20	1.58	1.49	0.31	T.	T.	0.99	0.00	0.64	0.84	8.69
Cambridge	2.07	2.11	1.67	2.39	1.24	0.25	0.00	0.03	2.93	0.00	1.75	3.55	17.99
Challis	0.22	1.87	0.46	0.40	1.23	0.33	0.09	0.44	1.08	T.	0.31	0.84	7.29
Chattin's Ranch	0.76	0.87	0.46	0.96	1.07	T.	0.29	0.09	0.67	0.00	0.52	1.28	6.97
Chesterfield	0.80		1.20	0.97	3.31	0.20	0.84	T.	1.52	T.	1.36		
Cœur d'Alene	2.69	2.26	2.79	3.24	3.06	1.06	0.00	0.00	0.42	0.44	1.32	6.65	23.96
Cottonwood Creek	2.50	3.46	3.73	3.47	4.29	0.19	0.06	0.26	0.99	T.	2.95	7.35	29.25
Council	2.70	3.19	3.40	2.09	2.10	0.79	0.00	T.	3.26	0.00	2.30	5.23	25.06
Culdesac				2.95	2.63		0.00		2.50				
Cuprum	1.84	1.62	2.49	4.96	1.75	1.07	T.	0.30	3.14	T.	3.08	7.16	27.41
Deary				2.80	2.70	1.42	0.00	0.00	0.95	0.00			
Deer Flat	1.09	0.60		1.33	0.98	0.42	0.00	0.00	0.35	0.00		1.02	
Driggs	1.12	1.61	1.48	1.37	2.31	0.29	0.04	0.05	1.58	0.15	0.99	0.42	13.01
Emmett	0.94	1.29	1.35	1.60	1.72	0.76	0.00	0.00	2.20	0.00	0.98	1.70	12.54

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Idaho—Continued.													
Fish Lake							0.16	0.17					
Flowers						0.44	0.47	0.79	1.28				
Fort Hall		0.69	0.83	1.08	3.67	0.43	0.17	0.20	0.99	T.	0.99	0.48	
Fraser Ranger Station							0.61			0.00			
French Gulch	3.72	3.90	3.28		4.48	1.98	0.27	T.	2.90				
Garden Valley Ranger Station	2.13	3.13	2.70	1.95	1.74	0.70	0.05	0.33	1.14	T.	2.45	6.88	23.20
Geneva	1.19	2.25	1.25	1.32	2.07	0.29	0.38	0.41	1.62	0.18	1.02	1.43	13.41
Glenns Ferry	0.20	1.33			0.50	0.00	0.20			0.00	1.53	1.85	
Gooding	0.81	1.11				0.01	1.19	0.02	0.29	0.00	1.38	0.77	
Grace	0.97	2.68	0.86	1.05	3.06	0.16	0.92	0.97	0.49	T.		1.20	
Grandview Ranger Station							0.60						
Grays Lake	0.60				3.70	0.20	1.40	0.35	1.85		0.90	1.70	
Grimes Pass	2.60	3.36	3.69	2.97	3.10	0.96	0.10	T.	1.63	0.03	2.53	8.00	28.97
Guffey	0.81	0.84	0.97	1.18	0.89	0.45	0.10	0.24	0.49	T.		1.06	
Gunnell			0.08			0.38	0.65		1.13	0.02			
Hailey	0.77	4.72	1.61	1.54	2.50	0.15	0.85	0.00	0.46	0.01	1.38	1.15	15.14
Hawley Gulch							0.54	0.45	3.21	0.28	1.04	2.11	
Hereford						0.36		0.66	0.86	0.02			
Hill City	0.75	2.27					0.18	0.16	0.72	T.	2.08		
Hollister	1.98	0.91	0.62	1.56	1.16	0.05	0.22	T.	0.79	0.00	1.10	0.50	7.99
Hotspring	0.24			0.99	0.52	0.01	0.00	0.00	0.10	0.00	1.00	0.67	
Idaho City	2.27	3.43	3.13	2.64	2.46	0.29	T.	0.48	1.18	T.	2.40	6.57	24.85
Idaho Falls			1.35	0.90	2.71	0.20	0.25	0.14	1.02	0.05	0.43	0.17	
Imus Bros. ranch	0.19	0.47	0.91	1.18	1.48	1.07	0.02						
Indian Cove	1.18	0.70		1.26	0.99	0.13	0.01	T.					
Irwin	1.11		1.01	0.00	1.54	0.83	1.02	0.16	1.73	0.13	0.44	2.91	
Jerome	1.24	1.31	1.21	2.43							1.05	1.42	
Kamiah	1.67	1.45	1.12	2.60	3.24	1.72	0.00	0.00	2.28	0.44	1.39	2.75	18.66
Kellogg	3.82	2.50	3.10	3.25	2.83	1.88	0.05	T.	2.62	1.25	1.08	12.03	34.41
Kirkham	1.75	3.07	2.16	1.99	2.63	0.14	T.	0.14	1.47	0.09	1.87	8.18	23.49
Kooskia	1.19	1.63	0.72	2.09			0.00	0.00	3.45	0.33			
Lakeview	4.14	3.51	4.37	3.02	2.12		0.00	0.00					
Lemhi	0.44	0.54	1.00	1.66	1.31	0.67	T.	0.35	0.43	0.19	0.52	0.40	7.51
Lewiston	1.09	0.95	0.45	2.81	2.27	0.48	0.07	0.00	2.14	0.02	1.23	3.99	15.50
Little Camas	1.96	2.79	2.81	1.65	1.96	T.	0.32	0.34	0.95	T.	2.15	3.43	18.36
Long Gulch						0.02	T.	0.12	1.18	T.	2.02	6.97	
Loon Creek	0.60	1.66	1.46	0.90	1.51	0.89	0.32	0.35	1.38	T.	1.00	4.81	14.88
McCall	2.36	3.10	2.32	2.92	2.02	1.24	T.			0.61	3.71	5.94	
Mackay	0.44	2.08	0.52	1.06	0.71	0.08	0.13	0.68	0.67	T.	0.61	0.59	7.57
Malad						0.15	1.65	0.13	1.55	0.00	1.39	0.68	
Meridian	1.06	1.11	1.88	2.46	1.53	0.30	T.	T.	1.51	T.	1.07	1.98	12.90
Middle Fork	4.21	3.08	3.12	3.62	4.36	2.39	0.00	0.00	3.44	0.72	0.92	10.31	36.17
Montpelier	0.71	2.12	1.34	1.82	1.91	0.55	0.91	0.85	1.03	0.22	0.60	0.77	12.83
Moscow	2.86	1.76	1.13	3.63	1.81	0.72	0.05	0.00	1.57	T.	1.39	5.79	20.71
Mountain Home	1.21	0.97	1.30	1.82	1.59	T.	0.02	0.09	1.25	0.00	1.11	1.64	11.00
Murtaugh	1.04	0.90	1.27	1.77	0.89	T.		T.	0.81	0.00			
Musselshell	5.90	3.29	5.26	4.60	3.99	1.06	T.	T.	3.84	0.71	2.13	12.51	43.29
New Meadows	2.02	3.97	1.96	2.36	1.81	1.28	0.00	0.27	2.77	0.28	2.46	5.94	25.12
Nezperce	1.15	1.05	1.36	1.94	3.99	1.53	0.00	T.	2.70	0.24	0.85	5.27	20.08
Oakley	0.61	0.56	0.87	1.29	1.89	0.07	1.18	0.14	0.97	0.00	1.31	0.26	9.15
Orofino	3.82	2.41	1.35	3.84	3.04	1.00	0.26	0.00	3.92	0.50	2.10	12.01	34.25
Oxford Ranger Station	6.24	3.96	11.38	6.00	2.66	2.39	0.35	0.01	2.88	1.23	3.75	14.97	55.82
Payette	0.81	0.94	0.69	0.93	0.59	0.13	T.	0.12	2.04	T.	0.94	0.88	8.07
Peace Valley							0.00	0.69	2.27				
Pierson	0.98						0.10						
Pine	2.23	2.79	3.20	2.06	1.45	T.	0.05	0.25	0.45	T.	2.32	4.63	19.43
Pleasant Valley	0.60	0.89		2.96	1.16	0.25	T.	T.	1.44	T.	1.11	2.24	
Pocatello	0.82	2.15	1.29	1.83	2.63	0.52	0.16	0.04	1.29	T.	0.67	0.55	11.95
Pocatello Nursery					6.95	0.44	0.32	0.25	1.78	0.02			
Pollock	0.89		0.87	2.27	2.75	0.60			2.64	0.13	0.98	1.78	
Porcupine	2.55	2.29	2.43	2.25	3.17	0.85	0.40	0.22	2.96	0.12	1.68	2.03	20.95
Porthill	1.00	1.42	1.74	1.70	1.78	1.25	0.20	0.51	0.37	0.51	0.83	4.46	15.77
Potlach	3.55	1.76	2.05	3.96	2.63	1.02	0.02	T.	1.79	T.	1.41	5.22	23.41
Prichard					2.79	2.02	0.00		2.12	1.91	0.98	10.54	
Priest Lake		0.92											
Priest River Experiment Station	2.86	2.38	3.29	3.41	3.00	1.76	0.04	0.06	0.66	0.40	1.76	7.63	27.25
Pyle Creek	2.41	3.52	3.14	2.46	2.10	0.71	T.	0.11	1.74	T.	3.37	9.71	29.27
Rattlesnake	0.74	1.40	3.05	2.65	2.49	0.13	0.08	0.13	0.94	0.00	2.59	6.08	20.28
Rice	2.46	2.51	2.11	3.12	3.23	1.34	0.46	1.30	1.44	T.	1.58	1.55	21.10
Richfield	0.63	2.21	1.10	1.31	1.39	0.09	T.	0.10	0.47	0.00	1.88	0.79	9.97
Rupert	0.79	1.07	1.01	1.59	1.97	0.12	0.57	0.40	0.84	0.00	2.15	0.32	10.83
St. Maries	4.11	1.91	2.92	3.13			0.00	0.00	1.61	0.16	1.55	7.17	
St. Michaels Priory	2.38	2.05	2.69	3.60	4.17	2.28	T.	0.04	4.59	0.36	1.24	6.77	30.17
Salmon	0.55	0.77	0.91	0.48	1.48	0.43	0.15	0.05	1.00	0.04	0.81	0.92	7.59
Sandpoint	2.40	1.96	2.62	3.77	1.64	1.70	0.01	T.	0.44	0.66	1.04	9.52	25.76
Sheep Hill	3.14	4.16	4.94	3.30	2.51	0.03	0.03	T.	0.65		3.28	8.07	
Shoshone	0.71	1.52	0.61	1.10	0.64	0.02	0.08	T.	0.46	0.00	1.72	1.02	7.88
Silver City	2.83	2.92	2.51	2.73	0.37	T.	0.36	0.45					
Smiths Ferry	3.66	3.30											
Soldier Creek	1.85	6.93	2.97	1.62	1.93	3.06	0.78	0.29	0.75	0.12	3.02	5.04	25.36
South Fork Ranger Station							T.	0.60	2.20				
Spencer	0.97			1.33	2.37	1.17	0.17	0.49	2.51	T.		1.06	
Springfield	0.62	1.44	0.92	1.48	2.28	0.28	0.28	0.24	0.50	0.00	1.51	0.28	9.83
Stanley	1.23	3.72	1.97	1.61	1.75	0.47	0.03	0.08	0.88				
Sublett Ranger Station						0.14	1.61			0.01	2.44		
Sugar	1.49	0.68	0.46	0.78	1.35	0.38		0.15	0.90	T.	0.45	0.27	
Sunset Lookout							T.	T.					
Sunnyside	0.47	0.89	1.07	2.17	1.38	0.95	T.	T.	1.15	0.00	1.55	3.04	11.77
Tripod Mountain	2.66	1.49	2.25	1.43	0.90	1.06	T.	0.34	2.84	0.00	2.51	3.87	19.25
Twin Falls	1.19	0.76	0.93				0.06	0.07	0.72	0.00	1.40	0.75	
Wallace	5.62	2.71	5.52	3.90	2.48	2.05	0.02	T.	2.43	1.48	1.73	18.07	46.61
Weiser	1.06	1.04	0.75	1.07	0.44	0.12	0.03	0.03	1.98	0.00	1.31	1.48	9.31
Wendell	1.09	2.18	0.90	1.24	0.40	T.	T.		0.16				
Whitebird	3.57	2.84	2.97	3.77	3.60	1.46	0.06	0.00	4.46	0.62	1.47	5.90	30.72
Whites	0.53	1.81	1.09	2.17	1.50	0.27	0.24	0.17					

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Illinois.													
Albion	4.68	0.66	3.42	6.48	4.13	4.78	3.76	2.19	0.45	2.88			
Aledo	0.52	0.32	1.16	5.72	2.59	5.69	3.84	0.77	4.41	2.30	0.06	0.50	27.88
Alexander	1.28	0.24	5.54	4.87	3.95	8.02	2.70	3.25	3.08	0.83	0.28	0.51	34.55
Anna	4.54	1.67	3.68	7.67	3.78	2.89	3.27	6.26	0.70	2.14	2.65	1.59	40.84
Antioch	2.53	0.66	1.06	2.50	2.41	5.01	6.78	0.17	3.13	3.63	0.80	2.02	30.70
Astoria	1.28	0.45	3.07	4.96	3.28	8.98	2.38	1.60	3.41	1.70	0.04	0.81	31.96
Aurora	1.82	0.45	2.69	2.32	3.96	6.79	5.91	1.87	2.26	3.25	0.35	0.51	32.18
Beardstown	0.87	0.01	3.20	4.51	4.44	8.32	1.16	1.93	3.72	1.29	0.04	0.39	29.88
Bement	1.08	0.54	5.87	3.69	4.55	6.83	2.50	3.55	2.59	1.76	0.32		
Bloomington	1.35	0.61	3.35	3.54	3.25	8.76	1.18	2.00	1.49	1.62	0.20	0.69	28.04
Cairo	4.32	1.54	3.60	6.96	1.72	3.15	4.74	6.36	1.40	1.42	2.91	2.31	40.43
Camp Point	1.12	0.37	3.84	4.87	4.20	8.37	1.64	2.23	4.62	1.54	0.33	0.96	34.09
Carbondale	4.24	0.89	4.41	8.00	6.98	3.48	5.20	4.19	0.92	2.87	3.12	1.54	45.84
Carlinville	1.26	0.65	3.21	4.66	4.93	2.48	2.57	3.17	2.40	1.73	1.02	0.76	28.84
Casey	2.25	0 92	2.69	4.88	5.16	6.41	3.37	2.45	2.30	5.85	0.05	0.66	36.99
Charleston	1.71	1.04	2.85	3.46	7.76	6.60	7.10	4.36	1.15	3.76	0.24	0.86	40.89
Chester	5.63	0.43	2.89	7.56	5.00	2.75	2.69	4.82	0.57	1.83	2.50	1.58	38.25
Chicago	1.55	0.67	2.11	2.58	3.41	2.87	2.68	1.24	2.15	3.96	0.56	0.88	24.66
Clinton	1.43	0.57	3.87	4.39	5.23	6.71	1.65	2.29	3.20	1.83	0.07	0.91	32.15
Danville	1.90	0.76	4.22	4.48	5.74	7.56	5.32	6.14	1.08	4.04	0.18	0.85	42.27
Decatur	1.19	0.50	4.74	4.08	4.66	6.77	1.04	2.59	1.18	2.09	0.23	0.87	29.94
Dixon	1.08	0.45	1.98	2.67	5.03	5.38	1.15	0.98	4.21	5.72	0.12	0.38	29.15
Du Quoin	3.23	0.71	3.45	7.37	3.94	2.44	3.23	3.26	1.78	2.15	2.73	1.23	35.52
Dwight	1.82	0.44	2.37	3.39	1.59	6.43	1.65	2.19	2.34	2.99	0.20	0.67	26.08
Edwardsville	1.57	0.45	1.28	5.52	6.03	1.09	1.83	3.54	3.88	2.40	0.74	0.77	28.10
Elgin	1.46	0.68	1.38	2.67	2.83	4.47	4.84	0.79	2.43	3.78	0.25	0.63	26.21
Equality	4.62	1.42	3.63	7.16	5.05	3.33	3.29	4.03	1.73	2.32	1.80	1.44	39.82
Ewing	5.21	0.51	1.80	5.83	3.95	3.17	3.19	2.38	0.57	2.28	2.06	0.95	31.90
Fairfield	5.94	0.56	2.67	7.40	3.03	4.94	3.26	2.58	0.35	4.17	1.67	1.60	38.17
Fairview	1.02	0.21	2.64	4.01	2.64	8.53	1.53	2.89	2.42	2.44	0.08	0.48	28.89
Flora	4.77	0.16	2.42	7.48	5.73						1.96	0.92	
Freeport	0.98	0.39	1.49	3.11	3.99		0.78	0.50	3.70	3.96	0.11		
Galva	0.85	0.18	2.27	3.80	4.14	6.06	2.51	1.44	3.82	2.75	0.06	0.62	28.50
Grafton	1.58	0.64	2.64	5.42	5.51	1.49	3.61	2.68	2.37	1.66	0.28	0.62	28.50
Greenville	1.60	0.41	1.71	5.00	5.52	1.93	3.69	1.28	2.01	2.71	0.49	0.89	27.24
Griggsville	0.53	0.19	3.28	5.84	4.41	7.44	3.72	2.00	3.63	1.30	0.29	0.49	33.12
Havana	0.50	0.22	3.03	3.60	4.84	8.67	3.46	1.72	3.55	1.02	0.09	0.56	31.26
Henry	1.18	0.18	1.54	4.01	2.85	5.48	1.94	2.53	4.01	2.85	0.02	0.45	27.04
Hillsboro	1.58	0.62	2.45	5.95	6.44	2.58	1.32	2.97	2.08	2.69	0.58	0.59	29.85
Hoopeston	0.97	0.56	3.68	4.27	4.74	6.66	2.55	2.80	1.22	3.71	0.34	0.80	32.30
Joliet	0.90	0.16	1.57	2.28	2.63	5.72	4.63	1.51	2.33	2.59	0.06	0.73	25.11
Kankakee	1.29	0.33	1.34	3.17	3.28	4.58	5.37	3.64	2.71	3.26	0.23	0.66	29.86
La Grange	1.26	0.28											
La Harpe	0.53	0.20	2.45	4.19	3.52	11.51	2.76	1.75	5.05	1.76	0.08	1.00	34.80
Lincoln		0.56	3.76	5.52	4.54	8.59	2.08	1.64	2.75	1.68	0.08	0.73	
Macomb	0.78	0.23	3.57	3.32	4.58	1.58	1.77	3.00	4.06	2.08	0.01	0.87	35.85
McLeansboro	5.62	0.72	3.35	7.56	4.03	2.90	8.42	3.13	3.65	3.16	2.40	1.16	46.10
Mascoutah	3.04	0.07	1.95	6.08	3.68	2.05	2.80	1.18	7.14	2.46	1.40	1.33	33.18
Minonk	1.28	0.35	2.31	4.31	1.87	6.91	1.56	4.03	3.91	3.18	0.23	0.74	30.68
Monmouth	0.49	0.14	2.44	5.53	3.32	6.81	4.57	0.89	3.40	2.14		0.64	
Montrose	2.38	0.44	2.11	5.93	6.26	5.33	1.55	3.62	0.54	4.03	0.68		
Morris	0.98	0.20	1.81	2.10	2.51	4.45	3.02	1.48	2.48	3.29	0.12	0.69	23.13
Morrison	1.14	0.24	2.09	3.27	3.27	4.58	2.67	0.32	5.95	3.77	0.12	0.81	28.23
Morrisonville	1.22	0.53	3.07	3.78	4.72	6.05	2.56	7.59	4.10	2.91	0.77	0.67	37.97
Mount Carmel	5.34	0.93	4.39	5.44	3.70	4.81	3.66	2.98	0.75	3.99	2.00	1.93	39.92
Mount Carroll	2.05	0.30	2.11	3.22	2.77	5.32	0.93	1.25	3.81	2.78	0.16	0.81	25.51
Mount Vernon	5.11	0.80	2.29	6.52	3.66		2.52		0.44	2.95	1.40	2.20	
Nashville	3.59	0.12	2.45	7.88	5.72	3.43	2.29	3.00	2.04	4.28	1.75	1.26	37.81
New Burnside	5.13	1.65	4.15	7.81	4.63	3.54	2.49	4.56	1.53	2.43	2.23	2.11	42.26
Newton	2.81	0.18	3.49	6.76	5.20	5.34	0.24	1.92		2.88	1.00		
Olney	4.92	0.12	2.89	7.12	4.84	4.69	1.05	3.30	1.14	4.63	1.00	0.79	36.49
Oregon	1.16	0.41	2.52	3.61	3.78	4.34	0.72	0.51	2.91	5.54	0.16	0.53	26.19
Ottawa		0.34					1.70	3.03					
Palestine	4.23	0.55	3.29	7.30	3.78	4.49	4.37	2.49	1.58	4.26	0.62	1.38	38.34
Pana	1.45	0.95	2.36	3.97	5.77	6.23	1.83	6.07	2.81	3.52	0.25	0.86	36.07
Paris	0.97	0.87	3.73	3.08	7.96	6.77	3.58	3.18	3.73	5.67	0.13	1.11	40.78
Paw Paw	0.98	0.40	1.81	3.14	3.50	4.36	1.40	1.70	3.30	4.26	0.46	0.40	25.71
Pearl				4.78	4.63	2.72	1.91	2.10		0.60	0.40	0.43	
Peoria	1.86	0.27	2.26	4.54	2.40	7.43	1.92	3.36	3.14	2.23	0.07	0.63	30.11
Peru				3.51	3.02	4.12	1.25	1.75	2.89	4.62	0.15		
Pontiac	2.00	0.64	1.72	3.76	2.01	6.04	2.41	2.25	3.55	2.78	0.11	1.33	28.60
Quincy	0.86	0.05	3.04	4.96	4.25	9.23	1.68	1.55	3.21	0.86	0.06	0.68	30.43
Riley	1.17	0.49	1.64	3.12	3.14	5.55	1.40	0.76	3.18				
Roberts	1.05	0.36	2.37	4.91	2.82	7.55	3.09	5.48	1.87	2.41	0.12	0.81	32.84
Rockford	1.12	0.50	1.91	2.50	4.47	4.18	1.61	0.45	3.24	5.21	0.09	0.61	25.89
Rushville	0.82	0.10	3.35	3.93	4.01	7.60	0.71	3.05	4.27	1.84	T.	0.62	30.30
St. Elmo	2.15												
Salem	3.47	0.26	2.16	7.22	4.74	4.47	1.43	2.93	0.49	4.29	1.64	0.84	33.94
Shawneetown	5.52	2.18	4.33	6.55	5.17	3.94	2.73	2.54	1.02	2.67	2.48	1.84	40.98
Sidell	1.45	0.66	4.12	4.14	5.70	5.68	4.44	5.06	2.00	4.19	0.56	0.42	38.42
Sparta	3.72	0.38	2.14	7.76	4.63	1.98	3.40	3.69	1.42	3.35	1.62	1.47	35.56
Springfield	1.69	0.47	5.17	3.77	3.93	10.77	3.86	2.35	1.61	0.81	0.25	0.75	35.43
Streator	1.85	0.31	2.26	3.66	2.50	4.50	3.34	2.43	3.43	3.08	0.06	1.05	28.47
Sycamore	1.22	0.21	2.00	2.87	4.15	4.92	3.39	0.62	2.27	3.44	0.38	0.38	25.85
Tiskilwa	0.98	0.37	2.37	4.38	2.46	5.20	1.95	1.68	2.38	3.56	0.15	0.36	25.83
Tuscola	1.01	0.53	4.51	4.20	5.31	6.38	5.44	4.22	3.71	4.20	0.41	0.73	40.65
Urbana	1.07	0.45	4.43	3.26	4.91	6.45	2.73	3.80	2.01	2.34	0.18	0.60	32.23
Walnut	0.81	0.37	1.92	3.40			3.05	0.80	3.91	4.49	0.13	0.47	
Warsaw	0.53	0.16	2.86	2.71	4.30	6.61	3.03	1.83	3.11				
Waterloo	2.49	0.08	1.99	6.05	4.93	1.54	5.16	2.95	1.31	2.06	1.20	0.92	30.68
White Hall	0.92	0.29	3.21	4.44	4.91	4.54	2.20	2.51	3.28	1.09	0.47	0.56	28.42
Windsor	1.35	1.13	3.59	3.70	6.96	6.68	2.74	4.04		3.64	0.02	1.04	

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Indiana.													
Albion	1.41	0.38	3.35	3.68	3.50	5.34	2.54	4.08	1.47	5.92	0.31	0.57	32.55
Anderson	2.54	1.04	4.98	5.00	3.91	5.08	3.41	1.10	2.45	3.95	0.09	0.63	34.18
Auburn	1.30	0.15	1.01	3.39	3.41	3.90	3.42	4.40	1.00	6.03	0.31	0.68	29.00
Berne	2.09	0.99	3.44	3.11	4.78	5.53	3.05	1.94	0.97	6.02	0.33	0.92	33.17
Bloomington	5.92	1.67	5.38	5.25	8.53	6.39	4.75	2.64	0.52	5.08	1.01	1.50	48.64
Bluffton	2.85	0.80	3.13	3.54	5.03	5.76	3.87	2.80	1.14	6.43	0.35	1.26	36.96
Butlerville	5.48	1.80	4.93	4.17	9.51	7.13	4.29	2.20	0.93	4.25	0.54	1.85	47.08
Cambridge City	3.36	0.72	4.51	4.04	5.34	5.46	2.45	2.82	1.88	3.84	0.29	1.25	35.96
Collegeville	1.43	1.25	3.04	3.03	4.14	5.17	3.38	4.14	1.63	3.41	0.11	1.04	31.77
Columbus	4.57	1.08	3.84	3.69	5.39	6.76	4.43	2.21	0.61	3.61	0.35	1.00	37.54
Connersville	4.08	1.00	3.17	2.17	1.35	4.06	2.85	1.99	4.55	4.84	0.30	0.80	31.16
Crawfordsville	1.77	0.80	2.44	2.71	5.60	5.80	2.75	2.45	1.90	6.59	T.	.....	.....
Crown Point	2.33	1.25	1.95	3.11	4.22	3.80	3.35	2.47	2.77	4.36	0.38	1.98	31.97
Dam No. 39	5.97	1.86	3.35	4.65	8.12	4.62	3.96	1.95	1.35	3.33	0.52	2.74	42.42
Decker	4.77	0.85	5.35	4.76	4.64	5.47	1.66	2.37	0.91	3.77	1.20	1.46	37.21
Delphi	.....	.....	.....	3.11	5.48	6.41	2.61	4.21	0.98	5.57	0.20	1.17	.....
Ellston	5.07	0.55	5.12	5.53	6.74	8.59	.....	1.02	0.32	4.06	1.00	1.26	.....
Evansville	4.93	1.13	3.03	5.12	3.68	4.20	2.26	1.92	3.35	3.05	2.19	2.12	36.98
Farmersburg	1.22	0.62	2.96	5.23	5.29	6.28	2.57	2.69	1.13	4.13	0.31	0.94	33.37
Farmland	2.68	0.99	4.04	5.39	3.52	3.99	3.47	2.85	1.36	3.00	0.36	1.22	32.87
Forest Reserve	5.40	1.95	4.03	5.47	5.38	4.32	3.29	1.49	2.22	3.82	0.83	2.05	40.25
Fort Wayne	1.80	0.52	3.71	3.47	4.00	4.63	4.98	4.55	0.60	7.57	0.23	0.71	36.77
Frankfort	1.87	1.04	5.31	3.91	5.02	4.45	1.06	1.27	1.64	9.07	0.12	0.72	35.48
Goshen	.....	0.64	3.24	3.01	3.83	1.67	2.80	2.32	1.53	5.67	0.25	0.55	.....
Greencastle	2.70	0.93	5.26	4.56	4.96	8.56	3.25	2.41	3.81	3.37	0.16	1.46	41.43
Greenfield	3.76	0.76	4.22	4.66	4.34	5.14	.....	1.23	3.26	4.42	0.12	0.85	.....
Greensburg	4.07	0.59	.....	3.80	5.92	9.57	3.60	.....	2.74	4.43	0.48	1.40	.....
Hammond	0.97	0.19	1.87	1.81	2.57	3.34	2.94	1.92	1.67	4.41	0.68	2.46	24.83
Hickory Hill	4.53	1.31	3.60	4.65	8.14	6.71	4.28	1.99	1.51	4.99	0.51	1.41	43.63
Howe	2.05	1.33	2.68	4.45	5.03	4.37	1.90	4.22	1.48	5.55	1.00	1.25	35.31
Huntingburg	.....	.....	5.99	7.06	5.51	5.02	5.77	2.79	2.35	4.23	1.48	2.95	.....
Huntington	1.31	0.70	2.94	3.15	4.59	5.31	2.01	1.44	0.89	6.91	0.31	1.46	31.02
Indianapolis	3.40	1.15	4.75	4.25	3.36	5.24	3.20	1.48	2.93	3.96	0.12	1.10	34.94
Jeffersonville	6.09	3.04	7.13	5.22	5.28	3.95	2.64	3.72	1.30	2.95	1.45	2.17	44.94
Knox	1.25	.....	.....	.....	2.93	4.12	4.68	3.67	2.32	5.62	0.05	0.65	.....
Kokomo	1.85	1.05	3.66	5.10	6.57	3.70	4.90	1.40	0.90	10.91	0.02	0.80	40.86
Lafayette	1.54	1.25	4.09	3.82	5.25	5.41	1.47	4.09	1.03	5.17	0.18	0.68	33.98
Laporte	1.58	1.35	.....	3.86	2.35	3.07	.....	.....	1.70	6.12	0.85	1.75	.....
Logansport	1.51	0.51	3.20	2.35	3.97	3.80	3.14	3.97	2.70	5.48	0.11	0.55	31.29
Madison	6.31	2.24	3.27	5.02	6.52	6.92	2.21	2.64	3.24	3.62	0.60	1.79	44.38
Marengo	.....	1.75	5.60	4.95	5.65	4.60	4.40	2.75	2.95	4.20	1.35	.....	.....
Marion	2.48	1.05	4.01	3.55	4.23	4.19	2.91	1.68	1.14	6.75	0.31	1.00	33.30
Mauzy	4.26	1.19	4.90	3.96	3.54	5.37	2.42	1.59	3.63	4.64	0.37	1.42	37.29
Monticello	1.10	0.87	2.86	3.18	6.13	5.52	1.47	5.46	1.16	3.23	.....	1.24	.....
Moores Hill	5.35	2.16	4.45	3.83	5.73	4.30	4.22	2.47	1.33	3.41	0.32	1.69	39.26
Mount Vernon	4.92	1.97	4.03	5.14	3.27	3.81	2.30	1.24	2.16	2.43	2.25	1.68	35.20
Muncie	2.53	1.27	4.46	7.02	4.66	4.96	3.57	3.49	1.74	4.45	0.31	0.78	39.24
Noblesville	2.19	1.55	5.16	4.41	5.56	6.27	2.42	2.04	2.66	3.20	.....	0.80	.....
Notre Dame	0.98	0.77	1.80	2.69	1.84	3.41	2.17	2.30	1.10	6.40	0.26	1.15	24.87
Paoli	5.29	1.91	3.93	4.74	6.24	4.36	3.46	2.79	1.26	3.84	0.84	1.85	40.51
Plymouth	1.36	0.92	2.10	3.59	3.59	2.60	3.05	3.22	1.10	4.64	0.49	1.34	28.00
Princeton	6.07	1.11	3.57	5.88	3.82	6.63	3.27	3.84	1.67	3.63	1.84	2.60	43.93
Richmond	2.97	0.57	4.56	3.58	3.77	4.96	2.57	4.07	1.55	4.52	0.23	0.70	34.05
Rockville	2.62	1.29	4.54	3.78	5.26	6.62	3.73	1.92	2.14	7.45	0.21	1.00	40.56
Rome	6.37	2.43	3.98	6.39	4.00	5.81	2.70	1.75	2.26	3.16	2.03	2.49	43.37
Salamonia	3.57	2.12	3.68	5.79	5.18	7.08	7.23	1.35	2.47	3.69	0.45	1.27	43.88
Salem	5.56	1.87	4.57	4.71	5.31	3.98	3.32	2.31	1.17	4.57	0.94	1.56	39.87
Scottsburg	4.79	1.78	3.69	4.24	4.95	3.85	2.71	2.10	0.69	3.09	0.91	1.35	34.15
Seymour	5.91	1.77	4.85	5.30	7.39	4.99	2.76	1.85	1.73	4.56	0.45	1.51	43.07
Shelbyville	4.57	1.92	5.67	5.32	4.01	7.25	2.64	2.83	4.52	3.35	0.50	0.91	43.49
Shoals	5.84	0.97	2.82	3.33	5.71	8.00	3.21	1.74	2.02	3.23	0.71	1.70	39.28
South Bend	0.69	0.31	1.39	3.53	2.49	1.92	1.76	1.46	1.47	5.31	0.37	1.47	22.17
Tab	1.72	0.67	3.61	4.32	4.06	6.51	2.48	3.59	0.22	3.54	0.16	1.21	32.09
Terre Haute	2.76	0.76	3.79	3.95	6.29	6.38	4.02	1.99	0.77	4.35	0.11	0.96	36.13
Valparaiso	1.20	0.70	2.63	3.83	2.10	3.08	3.37	1.51	2.16	4.22	0.49	1.58	26.67
Veedersburg	2.16	0.72	4.34	4.51	4.58	5.67	3.75	2.85	1.89	6.79	0.34	1.30	38.90
Vevay	5.87	2.05	3.25	4.52	7.35	5.50	2.56	2.08	1.53	3.14	0.50	3.70	42.05
Vincennes	7.37	0.80	4.85	6.65	7.35	5.31	4.39	3.29	0.42	4.62	0.79	1.55	47.39
Washington	3.91	0.50	3.63	4.22	3.83	5.60	6.95	3.81	0.30	3.69	0.67	1.18	38.29
Wheatfield	1.19	0.51	1.59	3.08	3.64	4.55	5.19	3.04	1.82	5.08	0.35	1.14	31.18
Whitestown	2.78	1.64	5.22	3.33	6.72	9.10	1.94	2.32	1.44	5.08	0.22	1.11	40.90
Whiting	1.49	0.42	3.16	1.72	2.33	.....	.....	.....	2.87	4.56	0.26	2.49	.....
Winona Lake	1.50	0.68	3.15	4.17	4.08	2.39	3.92	3.15	1.21	7.10	0.55	1.13	33.03
Worthington	6.10	0.39	3.80	6.20	5.01	9.15	2.28	2.30	0.73	3.94	0.49	1.12	41.51
Iowa.													
Afton	0.43	0.07	1.90	5.61	2.92	8.44	1.45	2.32	1.94	1.37	0.21	0.19	26.85
Albia	0.68	T.	2.17	4.76	5.41	9.54	0.75	1.98	2.46	1.50	0.10	0.44	29.79
Algona	.....	0.26	1.28	3.50	3.98	5.03	2.17	1.65	4.52	0.20	.....	0.14	.....
Allerton	0.46	0.09	1.56	7.84	4.02	9.85	1.90	0.68	.....	.....	.....	.....	.....
Allison	0.96	0.55	.....	3.66	2.85	4.68	3.91	2.15	4.05	2.11	0.43	0.90	.....
Alta	1.54	0.77	1.81	5.72	4.38	4.40	1.96	2.36	2.66	0.48	0.42	0.59	27.09
Alta (near)	1.03	0.50	1.57	3.93	4.62	4.28	2.04	2.33	2.68	.....	0.44	0.37	.....
Alton	1.43	0.57	1.30	4.22	4.57	4.47	1.69	2.01	0.71	0.32	0.53	0.70	22.52
Ames	0.72	0.26	1.71	5.00	4.01	8.59	1.93	2.65	1.83	1.59	0.58	0.57	29.44
Atlantic	0.86	0.21	1.52	3.70	4.92	11.19	1.12	3.10	0.89	1.28	0.17	0.71	29.67
Audubon	0.52	0.45	0.57	4.30	4.34	8.16	1.65	3.01	0.39	1.58	0.55	0.80	26.32
Baxter	0.31	0.18	2.02	4.43	4.16	8.27	2.80	1.11	2.48	1.33	0.38	0.38	27.85
Bedford	0.52	0.15	1.68	4.36	3.27	9.20	0.45	2.24	1.84	0.90	0.30	0.55	25.46
Belle Plaine	1.10	0.24	1.95	6.20	4.12	9.28	1.66	1.41	2.52	1.39	0.20	0.84	30.91
Belmond	1.48	0.82	1.26	3.72	3.66	4.55	3.06	2.53	3.27	2.12	0.43	0.99	28.49
Bloomfield	0.74	0.03	1.90	6.60	6.23	11.49	1.46	2.26	2.10	1.94	0.11	1.15	35.29
Bonaparte	0.47	0.06	1.88	4.77	3.98	10.37	2.05	1.12	2.88	0.99	0.05	0.26	28.88

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Iowa—Continued.													
Boone	1.03	0.42	1.76	4.43	4.51	7.26	2.23	3.33	2.83	1.33	0.37	0.58	30.08
Britt	0.88	0.73	1.29	4.00	3.64	5.00	5.07	2.14	3.83	0.98	0.28	0.24	28.08
Burlington	0.61	0.17	1.47	2.89	4.47	6.52	1.63	1.80	5.55	1.80	0.08	0.91	27.90
Carroll	0.72	0.47	1.57	4.47	2.98	7.21	0.73	3.54	3.61	1.13	0.44	0.79	27.66
Cedar Rapids	1.10	0.23	1.84	2.31	3.96	6.70	2.91	1.36	3.59	1.44	0.13	0.47	26.04
Centerville	0.60	T.	1.85	6.35	3.54	11.89	1.62	1.72	2.92	1.49	0.14	0.25	32.37
Chariton	0.45	T.	1.80	6.53	3.38	9.71	0.52	2.68	4.13	1.48	T.	0.44	31.12
Charles City	1.02	0.82	2.47	2.94	4.81	4.96	5.00	1.69	2.75	2.22	0.35	0.44	29.47
Clarinda	0.67	0.13	1.54	4.21	4.80	7.63	0.24	3.30	0.95	2.28	0.29	0.22	26.26
Clinton	1.01	0.26	1.88	3.76	3.29	5.99	1.91	0.84	4.18	3.28	0.11	0.90	27.41
Columbus Junction	0.79	0.06	1.68	4.82	4.01	4.55	2.70	2.09	5.03	1.60	0.09	0.52	27.94
Corning	0.17	T.	1.50	6.67	3.21	7.37	0.45	1.74	0.91	1.02	0.25	0.70	23.99
Corydon	0.45	0.08	1.73	7.53	3.70	9.12	1.44	0.93	2.84	1.41	0.05	0.42	29.70
Creston	0.86	0.75	1.60	5.52	2.80	9.24	0.61	1.33	1.29	1.23	0.08	0.37	25.08
Cumberland	0.20	0.10	0.77	5.03	4.60	6.02	0.39	1.86	1.12	0.57	T.	0.30	20.96
Davenport	0.97	0.22	1.76	4.40	3.15	4.85	2.72	0.70	6.27	4.00	0.26	0.68	29.98
Decorah	1.13	0.76	2.68	4.01	3.71	6.36	3.23	3.03	4.35	2.91	0.12	0.24	32.53
Delaware	0.72	0.51	1.53	2.97	2.78	5.74	4.61	2.13	3.12	1.61	0.14	0.44	26.30
Denison	0.50	0.62	1.63	3.50	4.01	6.99	0.77	.....	.....	.....	.....	.....	.....
Des Moines	0.53	0.52	2.30	5.52	3.94	8.16	1.58	1.82	1.99	0.92	0.21	0.88	28.37
Dubuque	0.85	0.17	1.56	2.05	2.56	5.12	2.10	2.11	2.40	1.87	0.07	0.52	21.38
Earlham	0.25	0.26	2.02	4.61	2.59	6.82	0.38	2.40	2.25	0.71	0.10	0.96	23.25
Elkader	1.07	0.22	2.42	2.96	3.60	5.99	2.18	2.59	2.30	2.36	0.24	0.25	26.18
Estherville	1.00	0.50	1.50	4.00	6.65	5.65	2.90	1.10	3.73	0.53	0.51	0.31	28.38
Fairfield	0.49	0.09	1.25	6.61	4.90	6.95	2.57	1.64	2.93	1.63	0.04	0.52	29.62
Fayette	0.81	0.51	3.03	2.33	3.35	5.53	2.75	3.55	3.18	1.89	0.27	0.58	27.78
Forest City	1.63	0.70	1.51	2.50	4.13	4.46	4.09	2.08	4.10	1.06	0.13	0.26	26.65
Fort Dodge	1.00	1.04	3.03	5.24	3.56	4.56	2.38	2.08	2.42	1.80	0.42	0.85	28.38
Fort Madison	.....	0.21	2.12	5.30	2.92	8.15	2.36	1.10	3.41	1.30	0.20	0.94	.....
Gilman	0.45	0.10	3.74	5.65	3.76	9.14	2.76	2.33	3.02	1.23	0.22	0.70	33.10
Glenwood	.....	.....	.....	5.08	6.30	8.03	0.38	4.50	0.80	1.11	0.24	0.40	.....
Greenfield	0.45	0.60	2.36	5.51	3.92	8.92	0.83	2.61	0.78	0.98	T.	0.80	27.76
Grinnell	0.54	0.15	1.49	5.78	3.03	6.25	2.00	1.33	3.34	1.12	0.36	0.89	27.18
Grundy Center	1.50	0.30	1.80	4.13	2.39	7.00	2.66	1.52	2.82	1.21	0.36	.....	.....
Guthrie Center	0.40	0.25	1.65	5.94	4.26	9.36	3.11	3.67	0.71	1.12	0.32	.....	.....
Harlan	0.50	0.80	.....	4.27	5.18	8.04	2.47	3.17	0.57	0.40	0.28	0.50	.....
Humboldt	0.67	0.50	2.15	4.23	2.97	3.57	3.56	2.35	3.00	1.08	0.24	0.33	21.65
Independence	0.46	0.11	1.45	3.71	2.89	6.32	0.70	1.85	2.95	1.78	0.18	0.34	22.74
Indianola	0.37	0.11	1.66	4.60	2.55	6.19	2.06	2.75	1.83	1.08	0.14	0.96	24.30
Inwood	1.19	0.63	1.94	3.54	3.15	4.90	2.80	1.55	0.95	0.28	0.45	0.51	21.89
Iowa City	1.09	0.19	2.19	3.43	7.33	6.49	2.84	2.79	6.23	2.28	0.30	0.57	35.73
Iowa Falls	1.55	0.80	2.22	3.46	2.62	6.39	2.10	4.54	3.70	1.67	0.47	1.17	30.69
Jefferson	0.77	0.40	1.27	5.58	3.03	8.07	3.39	2.23	5.71	0.92	0.44	0.83	32.64
Keokuk	0.56	0.13	3.46	3.36	2.53	7.35	2.65	1.37	5.29	1.93	0.01	0.36	29.00
Keosauqua	0.53	0.10	1.71	3.73	5.12	13.82	2.27	1.38	2.38	1.03	0.20	0.77	33.04
Knoxville	0.80	0.23	2.28	4.94	3.22	9.68	1.03	1.41	2.05	1.33	0.09	0.69	27.75
Lacona	1.30	0.55	1.65	5.54	3.35	8.04	1.57	2.13	6.18	1.57	0.42	1.70	34.00
Lake Park	1.00	0.30	.....	4.58	.....	4.72	1.73	1.29	2.43	0.69	0.20	0.45	.....
Lamoni	0.43	T.	1.61	6.11	4.56	9.08	0.88	3.08	1.78	0.90	0.02	0.29	28.74
Lansing	1.09	0.56	2.45	1.75	4.19	5.32	8.94	2.97	3.24	3.69	0.25	0.31	34.76
Le Claire	1.03	0.18	1.81	3.42	4.61	4.82	4.46	1.85	4.70	3.47	0.14	0.52	31.01
Le Mars	0.55	0.36	1.11	3.84	2.67	3.73	3.71	2.11	1.43	0.29	0.55	0.43	20.78
Lenox	0.18	0.08	1.68	5.23	3.39	8.11	0.38	2.88	1.33	1.36	0.15	0.18	24.95
Little Sioux	0.42	0.55	1.75	7.19	4.62	5.46	1.57	4.02	0.90	0.36	0.52	0.47	27.73
Logan	0.28	0.36	1.61	5.68	5.29	6.10	0.95	2.98	1.17	0.37	0.24	0.40	25.43
Maquoketa	0.35	0.70	2.10	2.54	3.21	5.52	1.72	2.21	4.17	1.62	T.	0.13	24.27
Marshalltown	0.65	0.21	1.68	4.14	3.77	7.57	0.84	1.32	3.23	1.54	0.24	0.61	25.80
Mason City	1.15	0.93	1.88	2.11	2.63	3.04	4.33	3.26	3.52	1.47	0.16	0.33	24.81
Matlock	1.45	T.	2.30	4.45	4.10	6.87	2.06	1.90	.....	.....	0.55	.....	.....
Monroe	0.53	0.11	2.40	7.22	4.85	9.28	2.37	2.62	3.05	1.48	0.02	0.58	34.51
Mount Ayr	0.38	0.05	1.08	5.60	4.19	6.91	1.75	3.49	2.24	0.62	0.13	0.31	26.75
Mount Pleasant	0.67	0.08	2.43	6.70	5.18	6.38	1.56	1.16	7.00	1.56	0.08	0.89	33.69
Murray	0.64	0.10	1.75	6.03	3.33	7.25	1.17	2.20	2.84	1.27	0.20	0.27	27.05
Muscatine	0.99	0.17	0.89	3.21	4.30	4.83	2.82	1.81	4.16	2.02	0.18	0.69	26.07
New Hampton	0.70	1.10	2.31	3.47	4.46	5.20	3.57	2.51	4.02	2.78	0.20	0.48	30.78
Nora Springs	0.85	1.19	1.80	3.68	5.17	6.87	6.06	2.32	3.56	3.44	0.57	0.49	36.00
Northboro	0.41	0.05	.....	4.03	3.65	5.83	0.23	4.70	1.58	1.40	0.27	0.25	.....
Northwood	1.75	1.00	1.85	4.47	4.25	.....	5.28	2.61	4.77	1.45	0.20	.....	.....
Olin	1.00	0.20	1.92	2.43	4.35	10.93	4.43	3.20	4.92	1.65	0.29	0.70	35.93
Omaha, Nebr	0.58	0.20	1.35	3.96	3.85	6.19	0.78	3.65	0.91	0.55	0.12	0.48	22.62
Onawa	1.10	0.80	2.25	6.38	3.91	8.27	2.13	6.31	1.59	0.40	0.46	0.81	34.41
Oskaloosa	0.41	0.09	2.27	4.82	2.95	6.71	2.80	2.25	1.44	2.25	0.13	0.49	26.61
Ottumwa	0.18	T.	1.67	5.07	5.81	7.28	0.71	2.00	1.34	1.85	0.02	0.32	26.75
Pella	0.52	0.06	0.83	4.69	3.67	10.38	1.76	1.53	1.70	1.25	0.20	0.32	27.41
Perry	0.75	0.34	1.82	4.68	4.85	7.23	2.11	2.62	3.11	0.99	0.40	0.36	29.45
Pocahontas	0.95	0.55	1.55	4.59	2.99	5.21	4.62	0.77	3.64	0.46	0.33	0.51	26.17
Postville	1.16	0.48	1.64	2.89	3.08	5.71	4.55	3.19	3.13	2.47	0.25	0.73	29.28
Rock Rapids	2.07	0.42	2.30	3.61	3.21	4.60	1.86	0.87	0.93	0.15	1.00	0.65	21.67
Rockwell City	0.81	0.90	1.85	4.12	1.69	6.64	3.07	1.24	3.14	1.02	0.30	0.56	25.14
Sac City	.....	0.27	1.30	4.13	1.76	5.07	0.93	1.90	2.15	0.75	0.29	0.20	.....
St. Charles	0.53	0.24	1.78	4.77	3.14	6.13	0.99	2.13	8.68	0.88	0.29	0.42	29.98
Sanborn	1.10	0.36	4.35	5.52	5.43	5.41	3.50	2.26	1.06	0.76	1.02	0.43	31.20
Sibley	0.87	0.26	1.91	4.03	4.18	3.91	2.25	1.73	1.29	0.30	0.27	0.24	21.24
Sigourney	0.46	0.10	.....	5.46	3.38	4.92	1.85	1.85	3.32	1.90	0.08	0.54	.....
Sioux Center	1.80	0.45	1.52	4.71	4.23	3.54	1.10	1.56	0.68	0.38	0.71	0.95	21.63
Sioux City	1.24	0.57	1.82	3.52	4.32	3.91	0.85	2.06	0.97	0.31	0.47	0.68	21.32
Stockport	0.53	0.05	1.92	5.55	3.83	9.21	1.22	0.99	2.90	1.39	0.03	0.63	28.35
Storm Lake	1.38	0.84	1.62	5.61	3.13	4.84	2.66	2.75	2.29	0.58	0.38	0.44	26.02
Thurman	0.50	T.	1.66	5.92	5.70	8.84	0.70	5.46	0.99	1.01	0.12	0.60	31.50
Tipton	0.89	0.35	2.53	3.94	4.71	6.16	4.96	2.36	5.17	2.18	0.13	0.45	33.93
Toledo	0.76	0.11	2.05	5.27	3.63	9.44	0.86	1.49	2.75	1.05	0.35	0.79	28.55
Washington	1.12	0.11	2.61	5.28	4.35	4.37	1.84	3.13	5.80	2.37	0.10	0.45	31.53
Washta	0.90	0.50	1.75	5.12	2.83	4.16	.....	3.16	0.98	0.65	0.60	0.83	.....
Waterloo	1.03	0.39	1.85	3.61	2.62	6.63	0.93	1.76	4.17	1.21	0.28	0.50	24.98
Waukee	0.45	0.16	2.00	5.53	3.16	8.06	1.91	1.47	4.04	0.72	0.33	0.63	28.45
Waverly	1.44	0.86	2.19	3.33	2.90	4.97	2.51	3.15	3.16	1.97	0.46	0.96	27.89

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Iowa—Continued.													
Webster City	0.75	0.80	1.10	4.18	4.54	5.76	2.66	2.32	2.75	2.30	0.46	1.30	28.92
West Bend	1.24	0.51	0.82	4.13	3.66	4.82	3.64	2.15	4.43	0.42	0.26	0.49	26.57
Whitten	0.80	0.60	.....	4.37	2.77	6.62	2.31	2.04	2.55	1.73	0.42	0.62	.....
Williamsburg	0.57	0.15	1.58	4.84	3.58	8.14	1.90	1.38	4.24	1.78	0.20	0.47	28.83
Winterset	0.30	T.	.....	5.23	3.14	5.79	0.48	3.06	5.16	0.53	0.34	0.44	.....
Kansas.													
Abilene	0.34	0.25	0.50	4.79	3.21	3.64	1.04	6.14	1.67	1.06	0.00	T.	22.65
Agricultural College	0.30	0.05	0.72	4.59	5.04	4.80	0.68	6.92	1.63	1.06	0.10	0.15	26.04
Alden	0.12	T.	0.50	3.42	4.73	2.55	1.03	3.83	2.08	0.10	0.61	0.19	19.16
Alton	0.39	0.05	0.35	2.00	3.11	0.74	0.46	2.16	1.45	0.64	1.43	T.	12.78
Anthony	0.36	T.	0.52	2.20	4.43	2.76	1.42	7.94	2.17	0.02	0.62	0.22	22.66
Arkansas City	0.43	0.02	0.65	3.29	4.41	1.68	4.23	6.65	2.95	0.02	0.56	0.53	25.42
Ashland	0.16	0.09	0.26	1.89	1.62	2.02	2.60	7.71	4.14	.....	0.69	0.02	.....
Atchison	0.37	0.02	1.88	5.48	3.22	4.47	1.96	5.30	2.51	0.78	0.01	0.25	26.25
Bazaar	0.45	0.05	1.11	2.45	4.86	1.10	1.60	9.70	2.23	0.69	0.11	0.12	24.47
Beloit	0.23	T.	0.43	2.85	4.59	1.99	0.57	4.93	0.88	0.25	0.40	0.05	17.17
Bird City	0.12	0.29	0.10	1.27	1.61	1.56	1.36	6.30	2.77	0.31	0.60	0.04	16.33
Blakeman	0.24	0.03	0.67	2.06	2.12	1.73	0.70	3.34	2.86	0.47	0.63	0.37	15.22
Blue Rapids	0.32	T.	0.62	4.98	4.01	5.26	0.76	4.58	1.66	0.77	0.10	0.05	23.11
Burlington	0.49	T.	2.53	3.29	5.07	0.34	2.26	6.21	2.12	0.72	0.00	0.56	23.59
Burr Oak	0.52	0.02	0.55	2.18	4.41	1.51	0.12	2.23	2.59	0.52	1.52	0.07	16.24
Cawker City	0.34	0.02	0.37	3.04	6.16	2.44	1.63	2.63	3.03	0.57	1.25	0.02	21.50
Centralia	0.55	T.	1.24	4.83	8.82	5.42	0.68	3.67	3.26	0.99	0.12	0.13	29.71
Chanute	0.71	0.20	4.30	3.64	4.89	2.68	2.00	2.79	3.15	0.82	T.	0.85	26.03
Chapman	0.50	0.00	0.89	4.55	3.00	2.77	0.89	4.36	1.59	0.34	T.	0.04	18.93
Cimarron	0.20	0.00	0.21	1.34	1.88	0.47	2.34	4.36	0.56	0.19	0.53	0.20	12.28
Clay Center	0.22	0.10	0.68	4.01	1.88	3.57	T.	6.63	1.15	0.41	0.10	T.	18.75
Clyde	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colby	0.12	0.20	0.56	2.00	1.56	2.42	2.70	5.99	3.78	0.32	0.42	0.20	20.27
Coldwater	0.05	T.	0.20	2.11	1.31	1.48	2.62	8.35	5.31	0.07	0.86	0.24	22.60
Columbus	0.40	0.13	1.56	3.59	4.96	3.42	1.50	5.87	3.06	0.37	2.61	1.79	29.26
Concordia	0.60	0.07	1.49	2.60	3.11	3.17	0.60	2.63	0.56	0.30	0.07	0.06	15.26
Council Grove	0.52	0.05	0.75	4.93	5.07	3.06	0.96	9.72	2.28	0.97	0.00	0.20	28.49
Dalton	0.38	T.	0.38	3.84	3.68	0.18	2.12	6.37	3.31	0.08	0.42	0.50	21.26
Dodge City	0.22	0.04	0.36	1.45	1.60	0.91	2.76	4.46	0.36	0.07	0.58	0.25	13.06
Deerfield	0.20	.....	T.	.....	.....	.....	.....	.....	0.75	0.14	0.19	T.	.....
Densmore	0.20	0.05	1.25	2.56	2.23	0.33	2.02	1.73	1.35	0.23	1.49	0.22	13.66
Dresden	0.18	0.02	0.52	1.82	1.72	0.97	1.31	3.85	3.03	0.02	0.44	0.42	14.30
Eldorado	0.12	T.	1.61	2.89	4.31	0.52	1.27	4.63	1.86	0.29	0.22	0.16	17.88
Elkhart	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ellinwood	0.24	T.	1.03	3.04	2.48	2.70	2.10	4.85	1.74	0.45	0.58	0.57	19.78
Ellsworth	0.24	T.	1.08	2.26	1.91	3.49	1.61	7.04	0.68	0.31	0.28	9.02	18.83
Emmett	0.32	T.	0.47	3.78	3.41	7.22	0.15	3.19	1.71	1.06	T.	0.05	21.36
Emporia	0.43	0.05	1.44	2.67	5.46	3.59	0.94	6.83	4.02	0.60	0.02	0.16	26.21
Eskridge	0.50	0.03	1.24	4.17	4.96	4.14	1.23	7.36	3.26	1.36	0.02	0.27	28.54
Eureka	.....	T.	.....	3.17	5.53	0.74	0.49	5.65	1.16	0.36	0.05	0.27	.....
Fall River	0.35	T.	2.37	3.15	4.44	1.03	1.03	3.90	3.03	0.36	0.01	0.50	20.17
Fargo	0.02	0.06	0.07	2.35	2.64	0.73	3.72	4.04	1.60	0.03	0.27	0.02	14.55
Ft. Riley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ft. Scott	0.35	0.05	1.43	3.05	8.03	0.50	3.06	4.33	5.18	0.83	0.14	0.60	27.55
Fredonia	0.21	0.06	2.51	3.68	4.14	1.92	1.64	6.50	2.15	0.65	0.22	0.41	24.09
Gage Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Garden City	0.30	0.00	0.60	3.52	3.60	2.53	2.23	3.26	1.58	0.13	0.30	0.16	18.21
Garnett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Goodland	0.27	0.24	0.41	1.59	1.44	2.30	0.96	3.65	2.71	0.57	0.48	0.16	14.78
Gove	0.30	T.	0.17	0.89	2.09	0.88	1.78	2.36	1.96	0.10	0.18	0.10	10.90
Greensburg	0.15	T.	0.26	2.36	2.54	1.69	1.17	4.30	5.68	T.	1.02	0.50	19.67
Grenola	0.45	T.	2.86	2.94	3.99	1.88	1.06	4.24	1.66	0.21	0.23	0.40	19.92
Hanover	0.33	T.	1.22	4.06	4.14	4.34	0.36	3.05	1.21	0.79	0.10	T.	19.60
Hays	0.11	T.	0.07	1.96	1.72	2.15	1.46	5.73	1.84	0.09	1.64	0.15	16.92
Healyton	0.12	T.	0.05	2.31	1.49	1.49	2.05	3.09	1.87	0.37	0.10	0.10	13.04
Herington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hill City	.....	.....	.....	1.97	1.88	0.76	1.27	2.65	1.19	0.32	1.28	0.30	.....
Holton	0.35	T.	0.73	6.47	2.99	8.31	0.56	7.22	4.35	1.02	T.	.....	.....
Horton	0.11	T.	0.65	3.29	3.25	6.42	0.54	6.94	3.32	0.79	0.05	0.11	25.47
Howard	0.38	T.	2.47	2.61	4.28	4.62	0.75	4.70	1.23	0.22	T.	0.53	21.79
Hoxie	.....	.....	0.17	1.51	1.80	0.80	1.06	1.70	2.43	0.10	0.29	0.14	.....
Hugoton	.....	.....	.....	.....	.....	0.83	2.58	6.96	2.16	0.10	0.48	0.00	.....
Hutchinson	0.15	T.	0.85	3.79	3.94	2.03	0.31	4.29	0.58	T.	0.42	.....	.....
Independence	0.23	0.11	1.00	3.70	2.94	2.03	2.28	5.49	3.79	0.42	0.77	1.09	23.85
Iola	0.48	0.07	3.55	4.61	5.12	0.94	4.22	3.91	1.85	0.87	0.05	0.29	25.96
Irene	0.32	0.20	0.28	1.14	2.74	0.03	1.37	3.10	0.87	0.30	0.08	0.02	10.45
Jetmore	0.07	0.00	0.24	1.35	1.87	1.60	1.49	5.13	1.24	0.15	0.40	0.16	13.70
Johnson	.....	0.07	0.10	1.66	2.74	1.84	1.54	5.60	1.54	0.20	0.28	0.02	.....
La Crosse	0.21	0.00	0.56	2.02	1.34	2.76	2.62	3.09	0.44	0.16	0.08	0.11	14.29
Lakin	0.24	T.	T.	2.10	1.59	1.07	2.87	2.22	1.35	0.06	T.	0.06	11.56
Larned	0.20	0.00	0.54	1.97	1.75	3.34	2.61	4.29	1.52	0.28	0.72	0.30	17.52
Lawrence	0.49	0.00	1.60	3.70	4.45	2.01	0.48	4.54	5.73	1.35	0.10	0.27	24.72
Leavenworth	0.67	T.	0.90	6.08	4.57	3.82	1.46	4.87	3.58	1.69	0.07	0.33	28.04
Lebo	0.37	0.03	1.62	2.21	4.66	2.01	2.24	7.22	3.06	0.55	0.01	0.36	24.34
Leoti	0.33	T.	0.17	1.13	2.91	1.53	1.38	1.58	1.83	0.25	0.03	0.20	11.34
Le Roy	0.48	0.02	2.98	2.68	5.76	0.58	2.01	5.85	2.51	0.83	T.	0.61	24.31
Liberal	0.12	0.05	0.04	2.19	1.85	1.11	3.84	5.30	4.19	0.06	0.40	0.05	19.20
Lincoln	0.25	T.	0.74	2.62	2.84	3.64	0.66	4.41	0.50	0.21	0.26	T.	16.13
Lindsborg	.....	T.	0.69	4.48	3.04	2.77	1.57	5.17	1.01	0.65	T.	0.14	.....
Linn	0.60	T.	0.74	6.87	3.11	5.32	0.25	7.06	1.41	1.24	T.	T.	26.54
McFarland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
McCracken	.....	.....	0.10	.....	1.12	.....	.....	2.82	.....	.....	T.	.....	.....
McPherson	0.28	0.00	0.77	4.20	6.15	2.62	0.55	6.35	1.69	0.69	0.18	0.20	23.68
Macksville	0.13	0.00	0.00	2.49	4.86	2.53	2.95	10.20	0.92	0.23	0.64	0.37	25.92
Madison	0.40	T.	1.23	2.64	5.96	0.13	0.86	6.05	3.35	0.62	0.01	.....	.....
Manhattan	0.12	0.02	0.54	4.99	4.81	5.18	0.53	6.16	1.73	0.78	0.09	.....	.....
Marion	0.34	T.	0.80	2.70	4.64	2.35	0.98	8.52	1.18	0.88	0.12	0.31	22.82
Medicine Lodge	0.14	T.	0.50	1.83	3.26	1.14	1.34	6.95	1.71	0.04	0.41	0.10	17.42

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kansas—Continued.													
Minneapolis	0.16	T.	0.67	3.12	2.24	2.60	1.47	2.83	0.78	1.12	0.05	T.	15.04
Minneola	0.18	0.00	0.15	1.82	1.72	0.84	1.24	3.26	1.81	T.	0.65	0.40	12.07
Mt. Hope	0.26	0.00	0.70	3.09	5.32	1.38	0.92	4.73	1.23	0.41	0.20	0.22	18.46
Neosho Rapids	0.39	0.02	1.94	2.12	5.27	2.05	1.00	5.55	2.93	0.62	T.	0.20	22.09
Newton	0.20	T.	0.80	3.68	5.81	1.18	0.87	5.71	1.13	0.25	0.18	0.25	20.06
New Ulysses	0.03	T.	0.20	1.79	2.04	1.55	1.73	5.44	0.71	0.05	0.08	T.	13.62
Norton	0.35	T.	1.00	2.12	3.20	0.89	1.27	2.58	2.10	0.21	1.60	0.12	15.44
Norwich	0.33	T.	0.62	2.60	5.26	0.76	0.42	8.20	1.64	0.01	0.33	0.03	20.20
Oberlin	0.17	0.04	1.07	2.30	3.20	2.95	0.73	4.03	4.31	0.32	0.46	0.28	19.86
Oketo	0.29	T.	1.32	4.34	4.82	4.19	1.00	4.06	2.05	0.90	0.08	0.05	23.10
Olathe	0.57	T.	1.82	5.05	4.82	3.37	0.80	5.14	5.60	1.35	0.05	0.24	28.81
Osage City	0.57	T.	1.27	5.26	3.80	1.44	2.46	10.16	3.70	1.14	T.	0.40	30.20
Oswego	0.56	T.	1.11	3.07	3.95	2.99	3.31	4.31	4.20	0.97			
Ottawa	0.70	0.02	2.18	3.37	4.99	1.49	1.89	9.41	3.06	1.16	0.03	0.20	28.50
Paola													
Phillipsburg	0.13	T.	0.13	2.63	3.63	0.97	0.77	2.34	1.76	0.43	1.39	0.02	14.20
Pittsburg	0.22	0.31	2.16	3.19	3.74	2.18	3.55	4.68	3.82	T.	1.30	0.82	25.97
Plains	0.22	T.	0.03	2.54	1.65	0.55	1.53	2.37	1.75	0.10	0.45		
Plainville	0.32	0.05	0.48	2.69	2.98	0.63	1.65	3.27	3.77	0.60	1.66	0.30	18.40
Pleasanton	0.51	T.	3.06	3.47	5.49	0.63	2.27	5.90	4.42	0.75	T.	0.30	26.80
Pratt	0.10	T.	0.59	3.62	2.70	2.49	1.76	6.30	1.57	0.13	0.50	0.30	20.06
Quenemo	0.95	T.	2.59	2.95	6.39	2.16	1.43	8.28	2.85	0.76	T.	0.47	28.83
Randolph													
Republic	0.37	T.	0.47	3.12	4.34	2.38	0.91	3.59	3.06	0.34	0.45	0.06	19.09
Richfield	0.22	0.11	0.16	2.02	2.33	0.66	1.83	5.00	1.14	0.25	0.34	0.10	14.16
Russell	0.19	0.00	0.44	1.93			1.49	7.43	1.25	0.38	0.77	0.10	
Russell Springs	0.27	0.20	0.60	1.08	2.03	0.89	3.11	2.39	1.13	0.05	0.12	0.15	12.02
St. Francis	0.33	0.58		2.30	2.24	1.50	0.60	3.18	3.43	0.54	0.47	0.22	
Salina	0.14	T.	0.48	2.98	1.64	2.09	1.36	6.80	0.82	1.17	0.06	T.	17.44
Santa Fe	0.20	T.	0.17	2.41	2.73	1.30	2.97	3.84	2.06	0.04	0.31	0.10	16.13
Scott	0.48	T.	0.54	1.94	2.52	1.17	2.37	2.56	2.22	0.10	0.32	1.24	15.46
Sedan	0.28	0.30	1.51	4.12	3.58	1.68	0.95	5.39	3.00	0.13	0.67	0.62	22.23
Smith Center	0.31	T.	0.64	2.57	4.81	1.02	0.32	3.30	2.00	0.32	1.38	0.02	16.69
Syracuse													
Topeka	0.31	T.	1.04	4.35	4.30	3.04	0.57	5.58	5.38	1.15	0.05	0.19	25.96
Toronto	0.92	T.	3.45	3.08	4.87	0.80	1.15	4.79	2.55	0.25	T.	0.64	22.50
Tribune	0.45	0.05	0.13	1.45	3.29	1.63	2.84	2.30	3.59	0.15	0.01	0.05	15.94
Trousdale	0.20	0.00	0.25	1.85	3.14	2.68	2.94	5.61	1.01	0.14	0.87	0.79	18.98
Utica	0.14	0.00	0.16	1.85	0.99	1.04	2.40	6.08	2.12	0.13	0.10	0.18	15.19
Valley Falls	0.36	T.	1.20	4.45	4.10	5.71	0.92	4.29	3.38	1.10	0.01	0.19	25.71
Vinland	0.61	0.01	1.70	4.70	5.83	2.34	0.78	5.85	4.65	1.22	0.02	0.37	28.08
Wakeeney	0.20	T.	0.25	2.62	0.97	1.34	1.31	3.81	3.46	0.31	0.60	0.13	15.00
Wallace	0.20	T.	0.48	1.53	2.60		1.37	1.88	1.65	0.14	0.13	0.07	
Walnut	0.72	T.	0.87	3.50	5.67	2.04	4.60	6.25	3.95	0.51	0.57	0.86	29.54
Wamego	0.30	T.	0.64	5.51	3.96	7.04	0.29	5.06	2.28	0.78	T.	0.20	26.06
Wellington	0.37	T.	0.72	2.14	2.23	0.86	1.60	7.23	1.57	T.	0.23	0.35	17.30
Wichita	0.41	T.	0.66	2.52	4.84	0.32	1.41	4.68	0.92	0.11	0.02	0.21	16.11
Winfield	0.43	T.	0.60	3.20	2.84	0.40	2.06	6.30	4.53	T.	0.28	1.00	21.64
Yates Center	0.66	0.05	3.91	2.86	6.14	1.10	0.49	2.71	2.40	0.43	T.	0.50	21.25
Kentucky.													
Alpha	7.07	8.20	12.21	7.02	2.33	5.45	8.15	5.35	3.45	2.50	0.30	2.50	64.53
Anchorage	6.26	2.18	7.18	5.61	4.35	3.65	3.50	1.91	1.62	3.57	1.55	2.26	43.64
Bardstown	6.74	2.85	3.88	7.25	3.32	3.74	2.68	4.18	2.02	2.05	1.45	1.47	41.63
Beattyville	5.54	4.90	6.81	3.76	4.02	4.43	3.79	1.67	5.17	3.99	0.70	1.58	46.36
Beaver Dam	4.95	2.15	7.67	7.22	2.37	3.10	4.93	4.35	1.20	2.37	1.79	2.40	44.50
Berea	6.22	3.97	9.41	3.91	2.00	4.58	3.08	3.12	1.86	4.74	0.83	1.33	45.05
Blandville	5.13	2.75	5.33	8.23	2.75	3.46	5.96	5.97	0.78	1.77	2.89	2.05	47.07
Bowling Green	8.27	5.16	6.89	5.66	3.00	3.45	4.51	3.08	2.09	3.13	1.18	2.13	48.55
Brownsville		4.07	7.47	6.41	2.54	6.62	4.96	4.38	2.53	2.87	1.31	2.12	
Burnside	7.71	6.01	9.15	4.85	2.75	3.83	5.99	4.24	3.81	4.30	0.38	1.93	54.95
Calhoun	6.32	2.38	4.64	6.33	3.38	5.52	2.17	4.55	0.89	2.77	2.00	2.20	43.15
Carrollton	5.27	2.08	3.13	3.68	7.62	5.50	2.55	1.76	3.16	3.20	0.26	1.50	39.71
Catlettsburg	5.02	2.90	7.29	2.22	5.28	3.98	4.16	1.97	5.52	4.28	0.98	0.73	44.33
Cloverport	5.35	2.01	3.73	5.97	4.01	4.19	2.37	1.56	2.64	3.03	1.77	1.79	38.42
Cynthiana									3.35	2.50	1.04	1.11	
Earlington	5.10	2.58	5.92	5.35	2.26	3.68	3.51	2.46	1.47	2.56	2.37	2.69	39.95
Edmonton	7.36	3.68	8.12	3.48	2.84	4.48		6.46	2.32			3.08	
Eubank	7.30	4.68	7.60	3.64	3.09	3.92	4.12	6.34	2.78	3.61	0.74	1.95	49.77
Falmouth	5.42	2.58	3.89	4.55	4.27	5.29	3.17	2.90	4.46	2.82	0.62	1.34	41.31
Farmers	6.10	4.28	8.70	3.24	5.32	5.49	3.19	2.40	4.23	4.29	1.13	1.67	50.04
Frankfort	5.95	2.66	7.23	6.16	4.57	3.98	8.16	3.71	1.27	2.88	1.33	1.24	49.14
Franklin	7.36	4.04	7.13	5.86	2.70	5.01	7.67	2.72					
Greensburg	7.71	4.60	6.94	4.48	2.70	3.42	2.87	8.51	2.81	3.15	1.08	1.68	49.95
Greenville	5.11	3.06	6.39	6.60	2.65	4.81	3.51	3.67	1.52	3.13	1.90	1.98	44.33
Henderson					5.29	5.44	3.40	2.89	2.55	1.97	2.00	2.04	
High Bridge	6.34	2.91	5.82	5.26	2.82	5.53	5.15	4.23	2.48	2.58	1.21	2.20	48.53
Hopkinsville	7.60	4.05	5.63	6.20	2.82	3.35	5.96	2.40	1.33	2.68	1.80	2.40	48.22
Irvington	4.87	2.47	4.71	7.09	2.51	3.85	2.54	2.52	1.79	2.45	1.77	1.83	38.40
Jackson	6.72	6.38	6.93	3.26	3.74	6.71	6.43	3.57	4.05	4.20	0.72	1.72	54.43
Junction City	9.60	5.86	7.93	5.82	2.90	4.80	4.20	4.49	2.73	3.65	1.36	2.10	55.44
Leitchfield	7.46	3.07	6.57	7.48	2.27	2.91	2.97	4.51	2.50	2.97	1.97	2.92	46.70
Lexington	5.67	2.12	5.48	3.97	3.51	3.54	2.80	1.94	2.46	2.36	1.03	1.97	36.85
London	7.11	5.98	9.37	3.24	2.46	3.91	5.97	0.98	2.88	5.54	0.92	2.33	50.69
Loretto	8.38	4.58	4.72	6.28	2.04	4.80	4.00	3.10	1.85	3.42	1.70	2.00	46.87
Louisa	3.69	3.71	6.45	2.31	3.70	5.81	2.51		4.35	4.62	0.84	1.75	
Louisville (No. 1)	6.12	2.55	6.30	4.93	4.39	3.18	1.86	4.05	2.27	2.46	1.35	2.28	41.74
Louisville (No. 2)	6.45	2.77	6.30	5.19	5.38	4.18	2.38	2.04	2.82	2.75	1.57	2.82	44.65
Manchester	6.70	3.66	8.03	2.30	1.34	4.67	5.47	1.30	2.04	2.61	0.15	2.58	40.85
Marion	5.63	1.77	4.37	6.20	3.15	5.48	4.86	3.53	2.42	1.23			
Mayfield	4.90	2.00	3.99	4.88	2.91		3.74	3.29	0.45	2.95	2.48		
Maysville	5.07	2.61	4.61	2.65	4.60	4.14	5.97	2.15	4.38	3.03	0.84	1.56	41.61
Middlesboro	7.90	4.28	13.39	3.22	3.25	3.65	0.32	5.14	1.85	3.03	0.36	3.11	55.50
Mount Sterling	7.41	3.52	7.16	5.89	4.66	6.53	3.80	1.57	3.52	4.34	1.21	1.57	51.18
Owensboro	5.07	2.40	2.63	5.22	4.74	2.59	2.47	1.62	2.67	3.28	1.48	1.78	35.95

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kentucky—Continued.													
Paducah	6.34	2.51	5.97	7.55	3.26	5.44	5.04	3.25	0.70	2.20	2.42	2.71	47.39
Pikeville	5.56	4.88	10.40	2.21	3.54	3.48	3.64	8.80	4.30	3.45	0.50	1.95	52.71
Princeton	5.20	2.90	5.96	5.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richmond	7.96	3.95	5.42	4.58	2.19	3.45	4.55	2.50	3.14	3.95	1.10	2.16	44.95
Russellville	8.43	3.04	4.71	4.19	2.63	4.37	7.68	2.11	0.60	2.88	1.07	1.93	43.64
St. John	6.99	3.14	4.63	6.04	3.08	2.85	5.93	3.38	2.33	3.17	1.58	2.38	45.50
Scott	5.97	1.62	3.81	4.41	3.84	3.79	3.07	2.08	4.19	3.49	0.44	1.14	37.85
Shelbyville	6.06	2.91	7.64	5.93	4.21	3.56	4.57	2.40	1.34	2.18	1.38	2.50	44.68
Taylorsville	4.63	2.67	4.73	6.29	4.79	2.72	4.66	4.36	2.65	2.91	1.32	2.01	43.74
Weeksbury	6.99	4.81	.....	3.59	2.16	3.32	5.02	6.93	2.93	3.60	0.97	2.68	.....
Williamsburg	7.15	4.49	11.07	3.34	3.08	3.84	5.48	4.38	3.08	4.09	0.45	2.05	52.50
Williamstown	5.77	2.17	4.44	4.07	6.67	4.94	2.56	3.13	1.43	.....	0.83	1.52	.....
Woodbury	.....	3.35	6.28	5.49	2.27	4.97	5.57	2.11	2.33	2.95	1.37	1.76	.....
Louisiana.													
Abbeville	5.06	2.72	3.92	2.93	2.16	1.77	9.14	5.07	2.17	0.40	0.50	3.20	39.04
Alexandria	4.70	4.85	3.53	5.55	1.53	0.90	3.05	4.45	1.65	1.40	1.51	5.74	38.86
Amite	8.60	5.55	5.55	4.10	1.10	3.20	5.47	6.15	3.73	1.05	1.70	3.31	49.51
Angola	8.25	8.50	3.30	5.30	0.06	1.20	2.80	2.12	2.32	1.35	1.50	2.20	38.90
Antioch	.....	.....	.....	3.16	1.30	3.35	7.42	6.44	2.47	2.35	1.36	1.55	.....
Avoca Island	6.66	3.99	2.55	1.48	1.96	0.47	8.64	8.12	3.86	0.22	0.57	1.93	40.45
Baton Rouge	7.70	.....	3.17	3.60	1.23	1.10	3.13	5.13	4.80	1.99	1.09	2.75	.....
Burrwood	3.44	2.65	0.44	2.73	2.11	0.30	4.60	4.36	7.76	1.98	0.26	2.71	33.34
Cades	5.19	3.84	3.90	2.59	1.74	1.00	8.34	6.82	1.63	0.51	0.78	1.85	38.19
Calhoun	6.24	4.62	4.44	5.46	1.71	1.13	3.94	3.96	1.82	2.33	1.23	2.14	39.02
Cheneyville	6.75	6.56	3.43	4.36	0.75	0.54	3.95	3.33	0.65	1.25	1.50	3.65	36.72
Cinclare	10.90	3.47	3.33	4.45	1.25	1.36	1.41	5.30	10.79	1.09	0.98	2.50	46.83
Clinton	7.99	6.42	4.10	3.07	0.73	1.66	4.92	7.08	2.55	1.14	0.89	2.35	42.90
Collinston	5.85	4.61	4.27	4.00	.....	.....	.....	2.65	2.69	1.78	.....	.....	.....
Covington	8.49	5.59	6.35	3.09	1.05	1.43	8.64	4.67	4.35	1.55	1.03	3.23	49.47
De Ridder	4.50	4.29	3.82	6.35	0.73	.....	.....	4.31	2.40	1.12	1.10	2.27	.....
Dodson	4.19	5.70	4.17	4.40	2.33	1.42	5.11	3.12	5.56	1.43	0.77	1.04	39.24
Donaldsonville	8.84	4.91	4.11	6.28	1.09	1.07	4.56	8.20	4.18	1.21	1.19	2.86	48.50
Dutchtown	8.55	3.80	7.05	5.37	0.95	1.76	6.65	2.96	4.34	0.90	1.25	1.86	45.44
Franklin	5.59	3.11	4.12	2.54	1.33	3.58	9.93	8.10	1.14	0.50	0.97	2.64	43.55
Franklinton	10.07	6.36	4.40	5.66	1.50	3.05	7.30	4.85	4.80	1.05	1.45	2.70	53.19
Grand Cane	5.01	3.61	2.26	4.59	2.59	0.79	5.02	4.73	2.70	1.82	0.98	1.29	35.39
Grand Coteau	5.62	6.23	2.40	3.09	1.53	0.40	8.16	3.16	2.03	1.13	0.98	1.91	36.64
Hammond	10.25	4.55	4.95	3.90	0.89	1.30	5.85	7.85	4.55	0.25	0.70	3.45	48.49
Houma	5.30	.....	1.80	2.10	1.25	1.37	9.25	9.20	3.40	0.00	.....	1.50	.....
Jeanerette	7.17	3.73	2.72	3.03	1.55	1.40	8.05	9.34	0.92	0.57	0.80	2.45	41.73
Jennings	3.74	6.02	2.71	3.20	1.57	0.98	6.19	8.96	1.87	0.92	1.33	1.20	38.69
Kelly (near)	4.79	5.62	5.47	8.31	1.70	0.32	3.12	2.59	2.83	0.46	0.85	2.77	38.83
Lafayette	5.44	2.55	4.08	2.77	1.44	0.90	6.74	7.05	2.52	0.41	1.19	2.61	37.70
Lake Charles	3.50	3.90	.....	4.35	2.05	0.70	5.98	2.30	4.61	1.30	1.43	3.61	.....
Lakeside	2.87	1.86	1.53	3.33	3.29	1.20	3.03	4.64	1.48	0.60	0.60	.....	.....
La Rose (near)	.....	3.01	2.03	2.58	1.43	2.00	6.10	9.65	1.95	0.43	0.13	1.90	.....
Lawrence	3.63	2.71	1.43	1.84	1.68	2.07	6.91	12.14	3.03	0.94	0.50	2.91	39.79
Liberty Hill	5.26	5.37	3.57	6.86	1.35	0.15	3.62	5.75	4.56	1.12	2.28	2.82	42.71
Logansport	6.36	3.82	2.80	5.87	4.05	0.00	4.78	1.71	4.62	1.00	1.44	4.83	41.28
Melville	6.01	5.97	4.58	6.47	1.17	2.65	5.36	7.18	4.27	1.33	1.56	2.30	48.85
Merryville	5.58	5.10	3.87	6.19	0.82	2.83	6.08	4.38	2.08	2.54	1.77	1.81	43.06
Minden	5.75	3.01	3.47	6.94	0.93	0.63	6.66	10.88	1.35	2.40	3.36	2.38	47.76
Monroe	4.87	4.80	4.74	5.26	1.54	1.08	3.90	5.40	3.39	2.10	1.52	2.41	41.01
Morgan City	6.43	3.27	2.23	2.82	1.88	0.54	7.82	7.85	2.30	0.32	0.63	2.02	38.11
Napoleonville	8.83	4.61	4.59	3.54	1.56	0.82	3.80	4.62	1.60	0.39	1.00	2.86	38.22
Newellton	4.93	6.58	3.21	7.64	0.57	0.13	4.06	6.74	2.06	1.49	1.02	1.94	40.37
New Iberia	7.00	4.25	5.42	2.80	1.85	0.76	8.25	9.73	1.86	0.53	0.98	2.89	46.32
New Orleans (No. 1)	4.12	3.19	3.03	4.11	1.63	2.77	8.35	6.92	2.69	0.71	0.34	2.16	40.02
New Orleans (No. 2)	4.06	3.24	2.97	3.88	1.45	2.08	5.23	3.83	3.16	0.55	0.34	2.28	33.07
New Orleans (No. 3)	3.51	2.44	2.81	3.29	0.92	0.71	4.88	2.38	5.04	0.74	0.24	1.62	28.58
New Orleans (No. 5)	3.99	2.87	2.37	3.54	1.43	2.48	5.70	4.95	3.57	0.85	0.28	2.36	34.30
New Orleans (No. 6)	3.98	3.10	2.94	3.99	1.45	2.57	7.35	6.40	2.41	0.63	0.30	1.94	37.06
New Orleans (No. 7)	3.11	3.18	3.08	3.92	1.21	1.40	6.15	4.20	2.42	0.50	0.27	1.68	31.12
New Orleans (No. 8)	3.53	2.67	3.53	3.58	1.42	0.99	6.20	10.60	3.21	0.74	0.22	2.19	38.88
Opelousas	5.25	5.74	1.01	6.90	1.72	1.32	6.71	.....	3.95	3.00	0.90	2.80	.....
Paradis	5.27	3.40	3.72	1.10	1.32	1.40	5.91	12.17	3.55	1.25	0.25	3.33	42.67
Pearl River	5.46	4.62	4.76	3.15	1.65	1.71	6.93	8.23	2.23	0.63	0.98	3.32	43.67
Plain Dealing	2.95	3.41	4.24	3.46	1.53	1.22	4.78	3.52	2.53	1.82	5.21	2.00	36.67
Pon	.....	.....	.....	.....	.....	3.52	3.75	4.00	2.24	1.14	0.33	2.49	.....
Rayne	4.62	4.38	2.29	3.06	1.19	1.40	6.89	4.30	4.83	0.89	1.17	1.40	36.32
Reserve	7.87	3.50	5.10	4.30	0.70	0.40	5.30	5.95	2.55	0.75	1.55	3.25	41.22
Richland Plantation	5.84	4.98	3.65	7.58	0.77	0.52	3.71	4.38	2.57	1.20	1.53	6.15	42.88
Robeline	3.98	4.20	2.32	6.03	3.77	0.90	3.76	2.19	3.63	1.30	1.30	1.00	34.38
Ruston	1.11	.....	3.50	6.14	1.42	0.84	2.18	6.32	2.04	1.58	0.47	1.32	.....
St. Francisville	8.18	5.77	4.18	3.18	0.82	1.50	2.56	5.32	3.46	1.00	1.43	1.89	39.29
St. Gabriel	9.75	4.25	4.36	2.43	0.81	0.58	2.70	4.40	2.30	0.00	1.50	2.60	35.68
Schriever	5.10	3.70	4.00	4.20	1.40	0.90	6.80	4.80	2.70	0.90	0.40	3.10	38.00
Shreveport	3.29	2.10	2.12	3.34	1.66	0.49	9.30	5.55	2.56	2.13	1.14	1.02	34.70
Shreveport (near)	.....	.....	.....	.....	.....	0.50	9.57	5.38	2.01	.....	.....	.....	.....
Simmesport	7.85	5.28	3.45	7.09	0.80	0.34	3.61	4.68	0.93	1.40	1.00	2.65	39.08
Sugartown	6.21	5.51	2.38	7.66	0.77	1.95	2.83	4.35	1.64	1.51	1.47	2.39	38.67
Tallulah (near)	6.22	6.74	5.47	6.52	3.20	0.59	4.07	4.67	0.20	1.96	0.58	.....	.....
Maine.													
Ashland	1.67	0.83	1.75	2.61	3.69	6.64	3.52	.....	.....	.....	.....	.....	.....
Bar Harbor	5.48	3.67	4.96	3.73	4.70	10.29	3.56	7.14	2.50	6.72	2.16	3.11	58.02
Cornish	4.34	5.02	4.26	3.34	3.02	12.26	1.48	7.21	1.18	5.25	1.17	2.75	51.28
Danforth	4.91	2.29	3.10	4.22	3.74	.....	.....	.....	.....	.....	.....	.....	.....
Eastport	3.87	2.79	2.95	3.22	1.62	7.40	1.90	4.44	1.51	4.01	1.72	2.99	38.42
Eustis	2.21	1.70	2.17	2.16	2.65	8.12	3.15	6.75	2.10	5.32	0.97	2.81	40.11
Farmington	3.89	1.90	4.21	3.19	2.85	10.74	2.55	7.14	1.69	5.86	1.12	3.86	49.00
Gardiner	4.24	2.57	4.79	3.04	2.22	8.88	2.25	4.80	0.71	5.16	1.33	2.64	42.63
Greenville	3.95	1.90	3.90	3.25	3.22	8.69	6.97	4.98	1.80	6.40	1.26	3.62	49.94
Houlton	2.35	1.20	2.14	1.74	1.90	6.91	3.69	4.89	1.97	4.97	0.90	2.80	35.46
Howe Brook	4.10	1.80	3.86	4.46	.....	.....	.....	.....	.....	.....	.....	.....	.....

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Maine—Continued.													
Langtown	2.15	1.70	2.44	2.56	.....	.....	4.68	6.04	.....	.....	.....	.....	.....
Lewiston	4.14	2.07	4.44	3.34	2.88	11.16	4.34	4.45	0.62	6.71	1.10	4.21	49.46
Madison	3.12	1.51	3.95	3.03	2.69	9.96	2.37	5.46	2.09	5.10	0.28	3.08	42.64
Millinocket	4.41	2.40	4.41	3.00	3.59	9.89	2.26	6.70	1.35	6.78	1.98	3.74	50.51
North Bridgton	3.86	2.47	3.81	3.02	3.75	11.20	4.28	7.48	0.52	4.68	0.99	2.91	48.97
Orono	4.11	3.67	3.22	2.39	3.18	7.49	4.05	4.09	1.08	5.89	1.55	3.24	43.96
Patten	2.40	1.80	3.60	2.00	5.20	8.90	3.60	3.84	0.00	8.20	1.20	3.50	44.24
Portland	4.53	3.35	4.53	2.93	3.19	10.86	1.92	4.78	0.32	4.09	0.82	4.22	45.54
Presque Isle	4.00	2.20	2.70	2.40	3.90	7.67	2.56	5.32	1.41	6.13	1.35	1.70	41.34
Rumford	3.36	1.15	3.35	2.77	2.85	10.40	1.94	7.20	1.33	5.24	1.06	3.26	43.91
Van Buren	3.39	2.01	2.93	2.53	2.18	7.86	2.74	6.02	1.70	5.28	1.81	0.76	39.21
Winslow	2.88	1.61	3.44	2.09	2.17	8.23	0.68	5.23	1.31	5.14	0.98	2.37	36.13
Maryland.													
Annapolis	3.12	1.38	.....	.....	3.13	2.87	6.78	3.21	1.92	5.24	0.78	1.45	.....
Bachmans Valley	.....	.....	.....	.....	2.64	4.13	5.35	4.53	3.10	5.16	0.59	2.25	.....
Baltimore (U. S. W. B.)	3.04	1.75	3.80	2.21	3.24	4.05	7.09	2.39	2.86	5.01	0.52	1.96	37.92
Cambridge	3.00	1.95	7.25	2.81	3.06	2.07	10.82	2.65	2.12	9.55	0.88	1.70	47.86
Cheltenham	2.64	1.92	6.94	3.04	2.54	1.51	9.59	2.55	1.31	5.95	0.90	1.42	40.31
Chewsville	2.90	2.23	3.47	2.91	3.05	2.62	3.72	3.24	3.45	5.83	0.28	1.31	35.01
Clear Spring	3.23	1.57	4.75	2.67	3.32	4.50	6.24	4.13	3.87	6.78	0.69	1.87	43.62
Coleman	3.06	1.75	5.31	2.28	3.21	5.43	5.73	1.82	2.80	6.37	0.45	1.58	39.79
College Park	2.99	1.85	6.02	1.93	3.38	4.47	7.74	2.93	1.88	5.62	0.70	1.29	40.80
Cumberland	3.92	2.07	4.93	2.15	3.38	2.91	4.09	4.17	2.19	3.87	1.33	1.10	36.11
Darlington	3.25	2.23	4.68	2.41	2.87	4.28	3.45	3.63	3.31	6.21	0.49	3.32	40.13
Deer Park	4.57	4.70	5.22	3.22	5.15	3.15	4.01	2.22	3.72	3.87	0.69	1.85	42.37
Denton	2.38	1.79	6.19	2.53	3.66	4.68	6.23	4.47	2.48	8.13	0.57	1.73	44.84
Easton	2.23	2.15	6.17	3.16	2.67	2.80	5.33	3.10	2.19	6.28	0.54	1.41	38.03
Ekio	3.65	2.07	6.22	2.11	2.82	4.33	5.92	3.72	3.30	5.84	0.67	0.76	41.41
Emmitsburg	3.36	1.77	4.41	2.04	3.36	5.57	8.42	6.31	4.81	7.40	0.49	1.37	49.31
Fairview	.....	.....	.....	.....	.....	.....	.....	2.27	1.92	6.55	0.50	1.62	.....
Fallston	3.75	2.21	5.27	2.56	2.09	4.60	3.22	1.74	3.08	6.07	0.69	2.21	37.49
Ferry Landing	2.36	1.95	6.49	2.81	2.62	.....	14.76	3.40	2.42	6.73	0.44	1.80	.....
Frederick	2.95	2.70	4.60	2.90	2.27	2.77	5.68	5.61	3.30	4.63	0.59	1.56	39.56
Frostburg	4.50	2.89	6.00	2.41	3.18	2.92	4.23	3.77	2.14	4.21	0.73	0.94	37.92
Grantsville	3.47	3.24	3.98	2.90	3.49	2.35	4.14	1.73	1.96	3.15	0.53	1.34	32.28
Great Falls	2.72	2.20	5.05	2.64	2.87	5.06	6.72	1.87	1.44	5.38	0.59	1.70	38.24
Keedysville	2.52	2.15	3.78	2.62	3.20	3.31	4.43	2.97	2.82	8.01	0.33	1.69	37.83
Laurel	3.35	1.96	6.49	1.55	3.08	3.72	9.95	4.63	2.15	5.70	0.75	1.35	44.68
Leonardtown	2.82	2.36	5.94	2.41	2.46	4.65	6.93	1.07	2.49	5.25	0.67	.....	.....
Monrovia	2.80	1.99	3.90	1.63	3.25	3.22	4.12	3.85	2.18	5.82	0.57	1.15	34.48
Oakland	5.04	3.91	6.53	3.00	5.20	3.08	4.22	2.19	3.79	3.77	0.73	1.34	42.80
Princess Anne	3.02	1.97	7.51	2.50	3.17	5.58	6.45	3.12	2.30	7.75	0.52	2.00	45.89
Public Landing	2.52	1.62	6.71	2.06	2.61	5.50	4.33	0.95	2.83	6.25	0.62	2.68	38.68
Salisbury	2.34	2.19	7.36	2.09	2.86	6.36	8.38	4.83	2.66	7.68	0.82	1.85	49.42
Solomons	1.91	2.27	5.74	2.03	2.12	2.76	6.84	2.37	1.57	5.82	0.43	1.59	35.45
State Sanatorium	4.29	3.17	3.91	3.19	4.89	5.36	6.19	4.24	4.96	2.56	0.07	1.10	43.93
Sudlersville	3.03	1.98	5.48	2.25	2.92	3.73	6.47	4.63	2.40	7.51	0.42	2.61	43.43
Takoma	3.13	2.19	6.06	2.30	2.58	4.34	8.35	1.51	1.72	4.63	0.68	1.89	39.38
Towson	3.33	1.69	4.30	2.41	2.71	4.03	5.00	3.16	2.31	5.36	0.70	1.94	36.94
Union Bridge	3.01	2.17	4.37	2.31	2.13	4.99	4.55	5.63	3.18	5.41	0.62	1.30	39.67
Van Bibber	.....	1.82	5.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Western Port	1.40	1.09	2.87	1.64	2.77	2.47	3.88	5.18	2.99	2.01	0.30	0.57	27.17
Woodstock	2.77	2.12	4.09	1.93	2.47	5.88	6.68	2.26	2.55	5.27	0.36	1.81	38.19
Yarrow (Rockville)	2.97	2.35	5.94	1.86	3.47	5.01	6.63	2.28	1.99	5.16	0.79	1.17	39.32
Massachusetts.													
Amherst	3.30	1.98	4.08	1.83	4.13	5.27	3.36	7.06	2.42	6.60	0.93	2.56	43.52
Ashland	3.49	2.64	4.76	2.62	4.70	4.05	1.06	5.74	1.61	5.51	1.26	2.66	40.10
Bakers Bridge	2.61	1.86	2.88	3.09	5.07	4.20	1.54	2.56	0.73	4.36	1.22	2.40	32.52
Bedford	2.41	2.24	3.29	2.51	4.07	4.46	1.41	4.24	1.74	4.89	0.85	2.46	34.57
Blue Hill	3.32	3.15	5.03	3.18	5.86	4.77	0.85	8.58	3.17	6.88	0.63	3.36	48.78
Boston	2.82	2.67	3.73	2.72	4.45	4.05	1.10	7.06	1.91	5.33	0.59	2.56	38.99
Brockton	3.00	1.80	3.75	2.34	4.21	4.91	.....	.....	.....	5.96	0.46	.....	.....
Chestnut Hill	3.69	2.68	4.81	3.01	5.32	3.82	1.00	7.50	1.98	6.38	1.08	2.35	43.62
Clinton	3.40	2.54	4.93	1.64	3.87	4.79	1.28	6.46	1.12	5.74	1.77	2.70	40.24
Concord	2.50	2.43	3.56	2.43	4.48	4.67	1.95	3.53	1.55	5.26	0.99	2.95	36.28
Fall River	3.63	2.73	5.04	3.17	4.77	4.63	1.21	3.75	2.93	5.69	0.45	3.10	41.10
Fitchburg	2.54	2.31	2.73	1.66	2.68	4.78	2.11	2.74	0.72	4.42	0.84	2.86	30.39
Framingham	3.46	2.64	5.20	2.42	4.70	4.28	1.15	6.11	1.50	5.24	1.29	2.79	40.78
Haverhill	2.64	1.96	3.60	3.07	3.15	5.13	1.89	2.01	1.06	5.81	1.06	2.96	34.34
Hingham	3.74	0.92	4.74	3.69	5.32	5.54	2.01	8.54	2.33	6.86	0.47	2.56	46.72
Hyannis	2.73	3.53	5.98	4.47	4.20	6.67	2.84	2.46	3.10	4.78	0.57	2.35	43.08
Jefferson	3.72	3.91	4.67	1.87	3.75	4.86	1.18	5.29	1.29	6.37	1.39	2.64	40.94
Lake Cochituate	3.28	2.81	4.82	2.67	4.89	4.33	1.02	5.79	1.77	6.33	1.28	2.70	41.69
Lawrence	2.95	2.42	4.26	2.68	3.23	4.78	1.93	4.42	1.13	5.22	1.02	3.22	37.26
Leominster	3.15	3.03	3.41	2.11	3.76	5.05	2.14	3.82	0.90	5.95	1.01	3.04	37.37
Lowell	2.73	2.54	4.42	2.87	4.18	5.25	1.68	3.69	1.37	5.04	1.12	3.66	38.55
Nantucket	2.68	2.96	5.85	4.21	4.22	7.69	3.32	1.56	2.37	4.59	0.62	2.13	42.20
New Bedford	3.55	2.25	5.05	3.23	5.14	5.80	0.93	3.00	3.37	3.92	.....	0.50	.....
Plymouth	3.36	2.49	5.41	4.88	6.68	6.65	2.23	3.32	2.95	5.02	0.57	2.22	45.78
Princeton	3.15	2.68	3.28	1.89	3.68	4.33	0.84	3.31	1.22	6.18	1.15	1.09	32.80
Provincetown	2.60	3.28	4.11	4.37	4.48	7.72	1.33	3.29	2.11	3.82	0.45	2.19	39.75
Rockport	2.55	2.00	2.36	3.31	4.59	7.24	1.00	4.68	1.48	4.72	1.14	3.66	38.73
Rutland	3.48	4.10	4.59	1.99	4.13	4.46	1.53	6.16	1.51	7.01	1.71	2.41	43.08
Somerset	2.87	2.55	3.87	3.04	5.20	4.33	1.12	3.95	2.95	5.95	0.24	1.80	37.87
Spot Pond	3.41	2.56	4.56	3.22	4.72	4.16	1.22	6.33	1.79	4.51	1.10	2.80	40.38
Springfield	3.57	2.73	3.57	1.58	4.06	3.11	3.72	7.04	0.94	4.46	1.90	1.49	38.17
Sterling	3.24	2.90	4.07	1.65	3.94	4.47	1.37	3.26	1.01	6.29	0.01	2.94	36.05
Taunton	3.62	2.38	4.79	3.09	5.56	5.20	0.84	5.85	3.07	6.87	0.41	2.85	45.13
Turners Falls	2.94	2.35	2.98	1.87	4.79	6.23	2.39	3.46	0.95	6.83	0.73	3.19	38.71
Westboro	1.97	1.55	2.18	2.04	4.93	4.33	1.11	7.42	1.36	6.86	1.00	3.15	37.90
Williamstown	2.84	2.17	2.54	2.54	3.20	3.52	2.11	4.11	1.67	5.05	0.82	1.85	32.42
Winchendon	3.42	2.48	3.58	1.75	3.78	5.47	2.92	8.64	1.00	5.91	0.94	3.27	43.16
Worcester	2.44	2.18	4.18	1.62	2.88	4.03	1.12	5.55	0.90	5.51	1.07	1.37	32.85

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Michigan.													
Adrian	0.40	0.42	2.97	3.61	3.43	3.98	3.28	3.05	2.70	4.29	0.21	0.62	29.16
Albion	0.80	0.42	2.01	3.63	1.62	5.10	1.99	2.74	3.63	3.00	0.70	0.89	26.62
Allegan (No. 1)	0.66	1.09	2.28	4.62	2.84	6.46	6.00	0.75	2.30	6.48	.....	.....	.....
Allegan (No. 2)	1.27	0.92	2.82	3.17	.....	5.35	6.70	0.64	2.38	4.59	0.99	1.07	.....
Alma (No. 1)	1.86	0.63	1.90	3.52	3.61	3.75	2.61	1.57	1.65	4.54	1.36	1.13	28.13
Alma (No. 2)	.....	.....	1.52	3.11	3.12	.....	.....	.....	.....	.....	.....	.....	.....
Alpena	1.13	0.73	1.56	2.02	3.04	3.50	2.54	2.15	1.38	4.14	0.81	0.79	23.79
Alpena (near)	1.26	0.98	1.52	1.83	3.20	4.16	3.36	3.25	1.78	4.31	.....	1.46	.....
Ann Arbor	0.92	0.35	3.60	4.39	4.95	7.21	3.90	4.40	3.11	7.09	0.67	0.85	41.44
Ann Arbor (near)	1.23	0.45	2.27	4.54	2.86	4.70	1.99	1.91	2.14	4.76	0.51	0.57	27.93
Arbela	0.97	0.20	1.65	.....	3.52	5.39	2.48	1.94	1.36	3.25	1.21	1.08	.....
Armada	1.35	0.67	1.69	4.23	2.60	4.72	4.16	2.63	2.04	3.78	0.78	0.66	29.31
Baraga	.....	0.21	.....	.....	1.11	.....	.....	.....	2.25	.....	.....	.....	.....
Battle Creek (No. 1)	1.55	0.93	2.32	5.05	2.45	7.87	1.56	1.49	3.50	5.41	0.74	0.81	33.68
Battle Creek (No. 2)	0.90	0.30	1.50	5.90	1.92	6.49	0.61	.....	.....	.....	.....	0.50	.....
Bay City	0.70	0.45	2.15	3.14	3.59	5.77	2.98	1.96	0.96	3.20	1.08	0.43	26.41
Benzonia	3.46	1.66	3.04	3.15	2.85	5.38	0.82	2.55	1.84	3.17	1.08	3.24	32.24
Bergland	0.43	0.55	2.14	1.81	1.59	4.53	.....	.....	2.70	3.84	1.06	2.13	.....
Big Rapids	0.59	0.52	1.07	2.69	4.00	4.13	3.68	1.81	1.55	3.14	1.01	0.56	24.75
Bloomingdale	0.70	0.53	1.61	.....	1.93	6.79	3.23	0.34	1.25	3.43	0.55	0.80	.....
Bridgeport	.....	.....	2.39	4.32	3.87	.....	.....	.....	.....	.....	.....	.....	.....
Cadillac	1.03	0.41	2.29	2.55	2.61	6.12	2.91	2.63	1.98	2.52	0.97	0.86	26.88
Calumet	1.52	1.04	2.74	1.65	1.20	3.84	1.58	4.77	1.92	4.52	0.92	3.68	29.38
Cassopolis	1.12	0.25	2.04	3.42	2.65	5.33	1.96	2.02	1.77	6.45	0.42	0.54	27.97
Ceresco	1.50	0.35	1.63	3.30	1.96	6.22	0.99	1.82	3.32	4.73	0.50	0.78	27.10
Charlevoix	.....	.....	0.64	1.06	2.85	6.54	0.96	3.13	1.09	2.79	0.49	1.39	.....
Charlotte	.....	.....	.....	4.30	2.24	5.87	2.66	1.94	3.22	.....	0.56	0.63	.....
Chatham	1.65	0.78	.....	1.80	3.39	4.02	2.51	2.44	1.98	.....	1.40	2.70	.....
Cheboygan	0.83	0.38	0.93	1.40	3.53	.....	.....	.....	0.12	.....	0.39	1.06	.....
Chesaning	.....	.....	2.18	4.10	2.50	.....	.....	.....	.....	.....	.....	.....	.....
Coldwater	0.95	0.48	2.72	3.45	1.92	6.33	2.15	3.84	0.87	5.35	0.57	0.40	29.03
Cooke Site	1.50	0.49	1.64	1.84	2.94	2.82	3.52	2.30	0.58	3.45	1.37	0.79	23.24
Croton	0.82	0.30	1.47	3.21	3.93	4.12	3.02	1.18	1.80	4.35	1.50	1.26	26.96
Deer Park	1.11	0.66	.....	1.00	1.30	6.03	1.20	2.10	2.22	3.16	.....	5.86	.....
Detroit	2.31	0.91	2.61	4.61	3.32	4.78	2.21	2.56	1.84	3.62	0.40	0.88	30.65
Durand	.....	.....	2.06	4.56	2.52	4.33	1.14	0.68	2.50	3.17	0.60	.....	.....
Eagle Harbor	0.90	0.61	4.62	0.98	2.43	4.70	2.09	3.50	1.30	2.25	0.52	0.96	24.86
East Tawas	0.62	0.67	2.51	3.18	2.86	5.04	4.17	2.28	0.83	2.58	1.58	0.60	26.92
Eaton Rapids	.....	.....	1.02	2.60	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eloise	1.60	0.35	1.76	4.03	3.63	5.59	3.42	3.23	1.48	2.75	0.35	0.16	28.35
Escanaba	0.99	0.87	2.80	1.72	1.04	5.30	2.57	3.13	1.39	3.16	0.80	1.00	24.77
Ewen	1.84	0.81	4.70	1.57	1.39	3.34	1.93	1.95	2.34	3.86	1.47	2.98	28.18
Five Channels	0.87	0.52	1.58	2.26	3.40	3.47	3.92	2.48	0.83	3.49	1.58	1.00	25.40
Flint (No. 1)	1.12	0.29	1.83	4.62	3.28	6.97	3.24	1.38	1.32	2.98	0.84	0.73	28.60
Flint (No. 2)	.....	.....	2.46	4.27	3.11	.....	.....	.....	.....	.....	.....	.....	.....
Fosters	.....	.....	2.20	4.20	3.26	.....	.....	.....	.....	.....	.....	.....	.....
Frankfort	2.17	0.90	1.89	4.39	3.39	5.26	1.82	2.38	1.26	3.89	0.87	3.31	31.53
Ganges	0.84	0.68	1.66	2.97	3.18	5.37	5.06	1.68	3.07	6.72	1.71	1.04	33.98
Gaylord	1.19	.....	.....	.....	2.17	.....	.....	.....	.....	.....	.....	1.79	.....
Grand Haven	1.35	1.54	1.24	4.40	4.23	4.04	2.62	0.55	2.74	4.48	1.30	1.13	29.62
Grand Ledge (No. 1)	1.15	0.32	0.33	5.33	3.70	4.86	3.01	2.87	3.30	3.85	0.55	0.59	39.86
Grand Ledge (No. 2)	.....	.....	1.48	5.08	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Marais	1.77	0.88	2.85	1.30	1.30	3.98	1.50	1.61	2.00	3.60	1.75	3.00	25.54
Grand Rapids (No. 1)	1.40	0.67	1.87	4.03	4.48	3.44	6.91	0.46	3.59	4.57	1.21	0.82	33.45
Grand Rapids (No. 2)	1.06	0.74	1.31	3.67	4.21	3.19	4.91	1.16	.....	4.10	1.41	.....	.....
Grayling	1.18	0.74	1.39	2.04	3.05	.....	.....	.....	.....	.....	0.68	0.84	.....
Greenville	0.65	0.11	.....	.....	.....	.....	.....	3.57	1.86	.....	.....	.....	.....
Hamburg	1.13	0.70	1.44	4.35	3.53	4.58	1.85	1.84	2.18	4.13	0.37	0.41	26.51
Harbor Beach	1.07	0.39	1.00	3.11	3.63	5.47	3.77	2.36	0.64	4.19	0.50	1.52	27.65
Harrison	0.87	0.86	.....	.....	.....	5.35	.....	.....	0.62	.....	.....	.....	.....
Harrisville	1.30	0.45	1.20	2.10	3.64	4.19	4.16	2.57	0.86	3.07	1.50	0.80	25.84
Hart	0.22	0.63	0.42	1.97	3.08	3.95	1.97	1.96	2.47	3.31	1.41	2.31	23.70
Hastings	0.80	0.33	3.15	4.34	2.57	4.64	4.49	0.78	3.08	6.49	0.76	0.74	32.17
Highland	1.92	0.70	2.31	4.33	3.12	5.12	1.55	2.63	2.68	4.23	0.70	0.85	30.14
Hillsdale	1.73	0.46	3.17	4.19	2.54	5.45	1.52	4.19	1.22	7.03	0.52	1.20	33.22
Holland	1.16	1.39	2.11	3.74	3.78	3.64	3.21	0.39	5.19	4.73	0.93	1.42	31.69
Houghton	1.18	1.28	4.14	1.69	1.04	2.07	2.51	4.38	2.46	4.32	0.71	5.25	31.03
Houghton Lake (near)	0.39	0.21	.....	1.45	3.42	3.94	2.33	4.84	1.26	.....	1.14	0.44	.....
Howard City	1.42	0.39	1.64	2.05	2.97	3.21	2.81	2.28	2.26	3.66	1.99	1.90	26.58
Howell	0.75	0.11	2.56	4.16	4.29	3.96	1.65	0.80	2.97	4.56	0.35	0.44	26.60
Humboldt	.....	0.38	1.96	1.10	.....	.....	1.21	.....	1.98	2.78	0.35	.....	.....
Ionia	.....	.....	.....	4.94	.....	.....	.....	.....	.....	.....	.....	.....	.....
Iron Mountain	0.68	0.64	2.42	2.07	1.23	6.14	1.36	4.76	1.74	2.39	0.21	0.38	24.02
Iron River	1.40	0.74	4.06	2.76	1.21	5.01	1.64	3.27	2.46	3.39	0.40	1.15	27.49
Ironwood	1.17	0.70	4.84	2.17	1.95	5.66	2.61	4.83	3.37	4.47	0.69	3.39	35.66
Ishpeming	0.74	0.84	2.26	1.63	1.16	3.35	2.85	3.57	3.22	4.10	0.58	1.16	25.46
Ivan	0.71	0.61	2.22	2.82	2.54	.....	0.70	3.60	2.02	2.94	1.04	1.28	.....
Jackson (No. 1)	0.93	0.64	1.48	3.75	3.13	5.41	1.51	2.31	2.10	3.87	0.50	1.11	26.74
Jackson (No. 2)	0.82	.....	1.28	4.92	3.25	4.43	1.24	2.39	1.93	3.90	0.62	1.28	.....
Jeddo	1.52	0.38	1.56	3.11	2.77	4.14	3.01	2.39	0.90	3.66	0.87	1.36	25.67
Johannesburg	0.39	0.43	1.31	2.08	2.38	4.55	4.21	4.00	2.38	3.11	0.91	1.08	26.83
Kalamazoo (No. 1)	1.88	0.57	4.11	3.48	1.98	5.39	3.10	2.29	1.25	6.79	0.37	1.15	32.36
Kalamazoo (No. 2)	0.49	0.41	2.53	3.17	2.15	4.27	1.97	2.48	.....	5.55	0.10	.....	.....
Lansing	1.55	0.62	2.88	5.59	3.37	4.54	3.06	1.47	4.60	3.44	0.82	0.74	32.68
Lapeer	1.00	0.18	2.10	3.72	2.67	4.78	3.25	2.19	1.47	3.04	0.57	.....	.....
Loud	1.43	0.27	0.83	1.39	3.35	3.44	1.96	2.44	0.77	3.13	0.98	0.81	20.80
Lowell (No. 1)	.....	.....	1.46	5.32	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lowell (No. 2)	1.10	0.35	2.09	4.36	4.02	3.50	4.17	0.53	2.97	4.87	1.00	0.84	29.80
Ludington	1.61	1.27	1.79	2.85	2.74	3.68	1.58	1.00	1.80	2.66	1.34	1.98	24.30
Luther	1.07	0.65	1.50	2.45	3.32	6.36	2.38	2.23	2.32	3.09	1.17	1.75	28.29
Mackinac Island	1.42	1.10	1.50	.....	1.83	4.85	3.56	2.70	0.99	.....	.....	1.02	.....
Mackinaw	1.51	.....	1.40	.....	1.81	5.73	1.74	2.77	1.87	.....	.....	1.48	.....
Mancelona	.....	0.45	1.38	0.67	3.27	.....	.....	3.21	2.75	3.95	.....	1.19	.....
Manistee	.....	.....	1.56	.....	2.93	6.39	1.10	1.43	1.31	.....	.....	.....	.....
Maple Ridge	0.23	0.37	2.50	3.16	1.83	4.93	2.35	4.62	0.94	3.87	1.44	1.60	27.86
Marquette	1.20	1.59	2.97	1.75	1.45	2.48	1.99	3.28	2.10	2.96	1.66	3.86	27.29

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Michigan—Continued.													
Menominee	1.33	0.32	1.84	1.60	0.84	4.71	2.05	3.66	1.35	1.73	0.50	0.45	20.38
Midland (No. 1)	0.64	0.48	.....	2.32	3.01	4.67	3.14	2.56	1.93	3.80	1.68	0.87	.....
Midland (No. 2)	.....	.....	2.46	3.14	3.69	.....	.....	.....	.....	.....	.....	.....	.....
Mio	.....	0.46	1.09	1.62	2.17	.....	2.13	2.68	.....	3.02	0.91	0.92	.....
Monroe	.....	.....	.....	4.80	3.71	4.59	2.37	1.39	4.87	4.47	0.41	0.63	.....
Morenci	2.08	0.53	4.37	3.93	3.59	6.29	3.43	3.79	1.73	5.99	0.43	0.75	36.91
Mount Clemens	1.46	0.55	2.09	4.36	5.88	4.19	3.16	2.55	2.02	3.39	0.48	0.60	30.73
Mount Pleasant (No. 1)	0.83	0.11	1.56	2.91	3.77	4.82	5.30	2.26	1.74	3.60	1.55	0.80	29.25
Mount Pleasant (No. 2)	.....	.....	1.67	3.08	4.17	.....	.....	.....	.....	.....	.....	.....	.....
Munising	1.65	1.24	3.20	1.52	2.12	4.17	1.62	2.79	1.62	4.40	0.98	3.55	28.86
Muskegon	1.97	0.48	0.72	3.15	4.57	4.09	1.74	0.70	2.20	3.42	1.11	1.80	25.95
Newberry	1.21	1.47	2.75	1.11	2.99	5.21	1.66	0.99	1.09	3.70	0.69	3.72	26.59
Old Mission	1.26	0.64	2.32	1.89	2.78	5.37	1.85	2.14	1.38	2.77	1.21	1.42	25.03
Olivet	1.41	0.40	2.47	4.47	1.93	4.95	3.76	1.45	4.60	3.95	0.87	1.03	31.29
Omer	.....	.....	1.89	2.38	4.39	4.99	1.70	1.13	0.45	3.65	0.40	0.20	.....
Onaway (near)	1.17	0.70	1.33	1.67	2.98	4.08	1.99	2.07	1.74	2.67	1.20	1.28	22.88
Otsego	1.14	0.74	2.22	3.41	2.19	6.57	5.95	0.76	1.96	5.71	0.90	2.13	33.68
Owosso (No. 1)	0.93	0.46	1.36	4.84	2.78	3.79	2.97	0.96	1.54	3.40	.....	0.61	.....
Owosso (No. 2)	.....	.....	2.19	5.37	3.42	.....	.....	.....	.....	.....	.....	.....	.....
Paines	.....	.....	2.16	3.20	3.83	.....	.....	.....	.....	.....	.....	.....	.....
Petoskey	2.27	0.89	1.95	1.20	2.28	4.42	1.20	2.41	1.40	2.63	0.70	1.59	22.94
Plainwell	1.22	0.57	2.42	2.65	1.78	5.60	7.72	1.12	2.04	4.56	0.69	1.15	31.52
Plymouth	0.70	0.26	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.44	.....
Pontiac	1.43	0.50	1.99	3.82	2.94	5.13	3.21	1.82	1.75	3.95	0.39	0.39	27.32
Port Austin	1.31	0.63	1.06	3.40	4.34	5.75	3.57	2.76	0.82	3.62	.....	1.91	.....
Port Huron	1.32	0.61	1.67	2.52	1.63	4.32	4.61	2.42	1.63	2.79	0.84	0.96	25.32
Portland	.....	.....	1.72	4.76	.....	.....	.....	.....	.....	.....	.....	.....	.....
Powers	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	0.51	0.17	1.61	2.50	2.97	6.57	2.27	2.33	1.41	2.29	1.28	0.47	24.38
Rogers	0.77	0.44	1.79	3.13	3.65	4.25	3.14	2.61	2.26	3.51	1.51	0.87	27.93
Roscommon	1.04	0.34	0.99	1.79	4.27	5.92	3.41	2.46	2.45	3.01	0.85	1.47	28.00
Saginaw (No. 1)	1.01	0.46	1.43	3.29	3.97	4.93	2.04	1.98	0.84	3.46	1.04	0.90	25.35
Saginaw (No. 2)	1.25	0.18	.....	3.81	4.60	5.58	2.31	2.07	0.86	4.28	1.32	0.71	.....
St. Clair	.....	.....	.....	.....	.....	.....	3.24	2.20	1.85	1.75	0.67	1.22	.....
St. Ignace	1.88	0.85	0.88	1.25	.....	.....	.....	.....	1.29	.....	.....	2.56	.....
St. James	0.24	0.69	0.90	0.83	2.83	5.58	0.67	1.59	1.54	3.04	0.78	0.75	19.44
St. Joseph	1.32	0.89	1.64	2.31	2.58	5.95	2.95	1.15	1.71	3.01	1.65	2.58	27.74
Sandusky	0.66	0.35	0.85	1.64	2.94	5.26	3.61	1.36	2.00	3.35	0.64	0.88	23.54
Saranac	.....	0.59	1.59	4.94	4.07	4.04	2.44	.....	2.39	5.33	1.20	0.44	.....
Sault Ste. Marie	1.42	1.51	2.48	1.01	1.87	4.27	1.95	2.25	1.39	3.09	0.52	1.72	23.48
Seney	0.70	0.44	1.99	1.00	1.74	.....	0.90	0.40	0.38	2.53	0.80	1.28	.....
Sidnaw	0.12	0.65	2.47	1.80	1.55	4.65	4.02	3.67	3.69	2.70	0.56	0.83	25.71
South Haven	1.03	0.77	1.89	2.74	1.86	5.66	3.44	0.69	1.67	5.23	1.06	.....	.....
Stronach	.....	0.57	2.47	2.32	3.26	5.35	0.77	1.56	2.27	2.01	1.72	1.62	.....
Traverse City	1.09	0.94	.....	0.70	2.40	3.50	0.70	1.75	0.90	.....	0.60	1.91	.....
Trowbridge	1.27	0.93	2.79	2.86	2.02	4.34	3.59	0.56	1.56	4.46	0.97	1.26	26.61
Vassar (No. 1)	0.95	.....	1.39	3.93	4.47	5.18	.....	.....	.....	.....	.....	.....	.....
Vassar (No. 2)	.....	.....	1.92	3.51	3.98	.....	.....	.....	.....	.....	.....	.....	.....
Victoria	0.50	0.61	2.20	1.06	1.91	3.91	1.91	2.40	2.78	3.68	0.69	2.25	23.90
Wasepi	1.66	0.73	4.78	3.71	2.51	7.74	2.03	5.67	1.23	6.30	0.75	0.60	37.71
Watersmeet	.....	.....	2.24	1.18	.....	4.60	0.77	1.94	.....	.....	.....	.....	.....
Webber Dam	0.93	0.45	.....	5.05	3.39	4.39	5.16	2.01	3.00	4.31	0.33	0.74	.....
Wellston	.....	.....	.....	1.60	3.16	6.13	1.06	2.23	1.82	1.64	1.18	1.35	.....
West Branch	1.18	0.56	1.87	1.93	3.54	4.34	2.44	4.40	0.91	4.58	1.42	0.84	28.01
Whitefish Point	1.63	1.12	3.52	0.81	2.11	4.64	2.24	3.37	1.10	3.67	0.49	4.81	29.51
Ypsilanti	1.94	0.80	2.42	4.00	3.83	4.66	3.24	2.87	2.19	4.34	0.49	0.72	31.50
Minnesota.													
Ada	0.24	0.65	0.05	1.22	0.46	3.13	2.65	1.90	1.40	0.74	0.06	0.44	12.94
Albert Lea	2.00	0.35	1.35	3.30	4.10	5.95	4.38	1.80	5.70	1.45	T.	0.45	30.83
Alexandria	1.20	0.82	1.42	3.11	0.54	1.36	4.06	1.92	2.00	0.93	0.10	0.68	18.14
Angus	0.47	0.82	0.12	1.48	0.40	2.20	4.43	0.48	1.19	0.80	0.10	0.28	12.68
Argyle	0.17	0.85	0.06	1.01	0.52	2.47	3.26	0.57	0.55	1.24	0.17	1.05	11.92
Artichoke Lake	.....	.....	.....	3.10	0.93	2.73	3.66	1.16	1.46	0.52	0.05	0.28	.....
Bagley	0.30	0.90	0.46	1.24	0.08	2.21	1.33	2.50	.....	.....	.....	.....	.....
Baudette	0.18	0.79	0.31	0.80	0.16	1.82	1.57	.....	1.12	3.09	0.18	0.61	.....
Bearisley	2.00	0.90	1.80	3.87	1.45	2.26	2.87	0.74	2.26	0.75	0.15	0.55	19.60
Bemidji	0.45	0.75	0.60	1.12	0.55	1.44	1.34	1.97	1.66	2.29	0.09	0.21	12.47
Bird Island	1.80	0.24	2.01	3.21	3.05	4.34	6.47	2.65	2.43	1.19	0.37	0.33	28.09
Brainerd	0.61	0.68	1.17	2.69	0.44	2.72	4.60	1.27	1.26	1.54	0.06	0.32	17.36
Caledonia	.....	0.65	1.76	3.61	3.64	7.92	4.06	2.96	4.38	2.68	0.12	0.71	.....
Campbell	1.27	1.30	0.59	2.43	0.31	0.95	1.85	1.64	6.40	1.05	0.06	0.47	18.32
Canby	2.25	0.27	3.30	3.81	1.74	3.88	3.46	1.02	2.47	0.62	0.26	0.70	23.78
Cass Lake	0.21	0.64	0.45	1.02	T.	1.16	1.98	2.34	2.39	1.68	0.20	0.66	12.73
Chatfield	1.26	0.40	1.69	3.57	4.44	6.60	3.95	1.67	2.53	2.20	0.22	0.13	28.56
Cloquet	0.98	0.98	2.79	1.11	0.41	2.54	5.23	2.47	2.59	2.81	0.13	1.41	23.45
College ille	0.56	0.33	1.20	3.13	0.74	3.84	4.42	2.22	1.01	1.26	0.03	0.36	19.10
Crookston	0.43	1.37	0.30	1.49	0.24	2.08	2.07	0.67	1.68	1.56	0.21	0.77	12.87
Crookston No. 2	0.24	1.18	0.11	1.47	0.10	0.53	1.55	0.72	1.71	0.76	0.18	0.79	9.34
Crystal Bay	.....	.....	.....	.....	.....	3.08	3.33	3.36	2.19	2.10	0.07	.....	.....
Detroit	0.44	1.01	0.30	1.84	0.40	1.55	3.89	0.40	4.61	1.35	0.19	0.27	16.25
Duluth	0.80	0.81	4.97	1.39	0.86	1.93	4.29	2.04	2.15	2.83	0.09	1.07	23.23
Duluth (near)	0.44	0.91	3.02	1.40	0.64	1.91	2.95	1.78	1.87	.....	0.05	1.22	.....
Fairmont (near)	1.49	0.38	2.46	3.63	7.90	4.87	3.13	1.96	3.55	1.24	0.27	0.29	31.17
Faribault	1.37	0.15	1.59	2.35	3.11	4.64	2.84	1.96	3.39	2.19	0.10	0.22	23.91
Farmington	2.20	0.32	1.42	1.81	3.62	2.77	2.59	2.27	1.43	1.67	0.05	0.39	20.54
Fergus Falls	1.46	1.16	0.96	2.11	0.39	1.38	1.87	1.10	3.02	1.04	0.19	1.05	15.73
Fort Ripley	0.58	0.65	1.19	2.97	0.33	3.18	4.12	2.03	1.84	1.35	0.05	0.43	18.72
Fosston	0.31	0.75	0.11	0.87	0.07	2.44	1.54	1.78	2.60	0.85	0.41	0.37	12.10
Glencoe	3.20	0.39	2.72	2.00	3.38	2.34	2.31	3.15	2.00	0.66	0.04	0.37	22.56
Grand Marais	.....	.....	3.80	0.70	1.15	4.05	3.67	4.24	1.82	2.46	0.15	0.75	.....
Grand Meadow	1.28	0.77	1.70	3.53	3.97	10.15	3.16	1.99	3.50	2.09	0.19	0.33	32.66
Grand Rapids	0.22	0.91	1.00	1.74	0.12	1.45	2.27	2.48	1.51	2.71	0.18	0.59	15.12
Grandy	.....	.....	3.19	1.80	1.07	3.43	6.01	2.48	1.35	2.16	0.09	0.53	.....
Gull Lake Dam	0.27	0.96	0.93	2.24	0.54	3.59	4.40	2.08	1.27	1.42	0.12	0.54	18.36

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Minnesota—Continued.													
Hallock	0.45	1.07	0.07	0.73	0.42	2.33	3.07	1.19	1.02	1.08	0.50	0.40	12.33
Hinckley	0.57	0.52	1.68	2.00	0.78	1.68	3.64	2.00	2.24	1.84	0.21	0.26	17.42
Hutchinson	2.75	0.72	3.42	2.70	2.50	1.91	4.20	2.36	2.58	1.25	0.10	0.61	25.10
International Falls		0.97	0.56	0.68	0.07		2.11	3.42	1.39	2.99	0.39	0.55	
Itasca State Park	0.35	1.35	0.70	1.29	0.00	2.52	1.92	1.93	3.09	1.81	0.10	1.20	16.26
Lake Crystal	2.00	0.47	2.40	2.86	5.55	3.64	4.82	2.73	1.62	1.14	0.26	0.55	28.04
Leech Lake Dam	0.27	1.00	1.13	1.35	0.16	1.29	3.69	2.00	2.27	2.75	0.18	0.89	16.98
Little Falls	1.99	0.75	2.51	2.61	0.41	2.75	3.32	2.80	2.27	1.14	0.02	1.11	21.68
Long Prairie	0.87	0.51	1.77	2.61	0.14	1.82	3.73	2.44	1.71	1.39	0.21	0.33	17.53
Luverne	0.99	0.32	1.43	3.99	3.59	4.51	1.74	2.02	2.36	0.20	0.25	0.26	21.66
Lynd	3.20	0.08	3.47	4.84	3.87	5.04	1.75	2.77	2.56	0.37	0.29	0.51	28.75
Mankato	1.34	0.86	2.74	2.97	5.88	2.66	3.41	2.15	2.99	1.66	0.13	0.59	27.38
Mapleplain	2.76	0.90	3.12	1.74	3.35	3.65	3.61	3.10	2.16	2.46	0.10	0.78	27.73
Meadowlands	0.45	1.02	2.30	1.52	0.87	1.18	4.30	1.34	1.50	1.39	T.	0.70	16.57
Milaca	1.47	0.56	2.20	1.71	0.88	3.13	4.44	2.18	1.45	1.83	T.	0.20	20.05
Milan	2.52	1.20	2.82	2.86	1.12	2.90	2.57	2.44	2.09	0.66	0.01	1.05	22.24
Minneapolis	1.57	0.43	2.74	1.70	4.24	3.77	4.06	2.83	2.16	1.70	0.06	0.41	25.67
Minneapolis No 1	1.91	0.54	2.71	1.77	4.15	4.07	5.02	2.75	2.13	1.97	0.11	0.54	27.67
Montevideo	1.06	0.50	2.77	3.37	2.18	3.37	2.64	1.26	3.52	0.90	0.01	0.52	22.10
Moorhead	0.65	0.85	0.40	1.90	0.38	1.52	0.81	0.77	1.16	0.76	0.19	0.55	9.94
Moose Lake	0.65	0.85	3.70	0.70	0.80	1.31	4.90	1.30	2.37	2.66	0.00	0.35	19.59
Mora	0.95	0.55	2.80	1.55	0.91	2.63	6.66	2.77	1.70	2.18	0.16	1.10	23.96
Morris	2.30	1.30	1.70	3.08	0.96	1.32	3.65	1.63	1.16	1.23	0.10	0.70	19.13
New London	0.97	0.40	1.24	3.45	1.04	3.77	2.73	2.25	2.31	0.46	0.02	0.28	18.92
New Richland	0.93	0.34	0.99	4.38	5.98	5.05	5.10	2.06	2.91	1.53	0.03	0.31	29.61
New Ulm	2.67	0.73	2.88	2.93	3.66	3.20	3.00	2.87	1.78	1.12	0.31	0.55	25.70
Park Rapids	0.48	0.85	0.92	2.06	0.19	2.35	5.06	1.13	2.98	1.72	0.13	0.73	18.60
Pine River Dam	0.45	0.65	1.26	2.38	0.12	1.97	3.96	1.65	2.33	2.43	0.07	0.56	17.83
Pipestone	2.58	0.72	1.25	2.75	3.65	3.94	1.61	1.32			0.01	0.14	
Pokegama Falls	0.21	0.62	0.90	1.60	0.20	1.44	2.66	2.69	1.49	2.66	0.15	0.52	15.14
Redlake	0.22	0.58	0.39	1.08	0.00	1.60	0.99	0.53	2.61	1.83	0.26	0.32	10.41
Redlake Falls	1.82	1.76	0.55	0.84	0.11	2.08	2.14	0.45	1.15	1.54	0.25	2.32	15.01
Red Wing (River)	1.18	0.82	1.94	3.06	4.50	5.48	2.74	2.04	2.70	2.67	0.08	0.64	27.85
Redwood Falls	3.40	0.34	2.60	4.33	4.83	4.10	4.15	2.32	2.88	0.79	0.09	0.66	30.49
Reeds	0.77	0.40	0.98	1.94	4.74	4.02	3.65	3.88	2.54	2.29	0.12	0.27	25.60
Rochester	1.23	0.34	1.36	3.01	4.88	5.24	3.20	5.32	2.38	1.06	0.01	0.18	28.21
Roseau	0.08	1.22	0.17	0.76	0.02	2.92	2.41	2.00	0.71	1.29	0.10	0.87	12.55
St. Charles	1.54	0.10	2.07	3.19	5.10	6.01	4.37	2.24	1.89	2.50	0.16	0.36	29.53
St. Cloud	1.85	1.09	2.98	2.69	1.02	1.65	3.35	2.61	1.39	1.04	0.05	0.44	23.16
St. Paul	1.79	0.44	2.09	1.65	3.92	3.79	4.12	2.82	2.00	1.68	0.06	0.57	24.93
St. Peter	3.40	0.22	2.20	2.33		3.85	4.96	2.05	1.62	1.19	0.01	0.52	
Sandy Lake Dam	0.33	0.58	1.93	2.12	0.10	2.03	5.05	2.60	2.65	2.88	0.10	0.61	20.98
State Sanatorium	0.52	0.96	0.43	2.05	0.12	3.07	2.41	1.47	4.59	0.90	0.04		
Stillwater	2.34	1.75	2.50	1.74	3.18	2.92	4.94	2.58	3.01	3.01	0.25	0.63	28.85
Taylors Falls	2.01	0.81	2.53	1.67	2.13	2.85	5.77	2.09	1.69	2.36	0.04	0.35	24.30
Thief River Falls	0.44	0.86	0.13	1.26	0.28	2.06	1.44	0.59	1.20	0.84	0.15	0.42	9.67
Tracy	2.80	0.02	2.70	4.76	2.76	4.16	1.98	2.67	2.93	0.41	0.40	0.41	26.00
Two Harbors	0.31	0.67	3.43	1.14	1.19	2.54	2.28	2.55	1.13	2.65	0.04	0.65	18.58
Tyler	1.60	0.05	2.10	4.78	3.30	5.68	2.15	1.86	3.10		T.		
Virginia	0.20	0.95	1.50	1.59	0.25	2.64	2.38	3.92	1.02	2.93	0.16	1.34	18.88
Warren	0.50	0.70	0.10	1.62	0.43	3.13	3.11	0.47	0.69	0.65	0.30	0.65	12.35
Warroad	0.16	0.79	0.19	0.58	0.07	2.10	3.66	1.95	1.13	2.06	0.19	0.41	13.29
Waseca	1.17	0.40	1.63	2.86	6.20	4.09	4.46	1.66	3.08	2.01	0.06	0.27	27.89
Wheaton	0.68	0.35	0.71	3.05	0.47	0.90	2.94	0.76	2.26	0.49	0.02	0.26	12.89
Willmar	0.95	0.45	3.16	3.28	1.15	2.20	2.32	2.04	2.08	0.90	0.08	0.35	18.96
Windom	2.80	0.20	2.80	4.04	4.60	3.93	1.28	2.14	2.92	0.40	0.10	0.25	25.46
Winnebago	1.68	0.79	2.36	3.64	5.30	6.25	3.42	1.65	4.45	1.32	0.20	0.37	31.43
Winnibigoshish	0.24	0.80	0.73	0.98	0.01	1.76	1.65	3.39	1.26	2.17	0.14	0.96	14.09
Winona	1.75	0.33	1.67	4.66	3.13	5.45	4.28	2.16	3.71	3.48	0.12	0.31	31.35
Winthrop						4.73	2.77	2.70	1.63	1.23	0.07	0.29	
Winton	0.15	1.70	2.30	1.26	0.34	5.58	2.12	6.57	2.11	4.09	0.40	1.22	27.84
Worthington	1.25	0.22	2.30	4.65	4.64	7.76	2.45	1.69	4.53	0.27	0.25	0.55	30.56
Zumbrota	2.35	0.44	1.52	3.32	3.90	4.98	3.83	1.92	2.68	2.82	0.04	0.27	28.07
Mississippi.													
Aberdeen	4.66	6.82	7.42	6.12	2.78	4.64	5.73	2.80	6.28	0.97	2.08	1.53	51.83
Agricultural College	4.74	6.89	7.76	3.52	1.90	2.83	5.49	5.72	2.71	0.59	2.41	1.68	46.24
Anguilla	5.89	7.82	6.83	4.62	1.10	2.50	5.28	5.07	0.58	2.48	0.75	2.40	45.32
Austin	7.45	1.94	11.18	7.88	4.21	4.57	2.97	3.00	2.07	3.54	2.29	0.70	51.80
Batesville	5.40	2.24	8.80	5.74	4.70	7.64	4.44	2.98	4.14	2.59	2.21	1.11	51.99
Bay St. Louis	3.54	4.72	4.12	4.42	0.80	0.59	4.55	6.49	4.50	0.75	1.03	2.98	38.49
Biloxi	3.46	2.53	4.97	2.54	0.72	1.64	10.54	7.53	5.85	2.78	0.54	2.38	45.48
Booneville	7.09	2.57	11.65	4.64	4.22	5.65	5.55	2.62	1.52	2.39	1.56	1.30	50.76
Brookhaven	6.95	6.24	4.11	3.56	0.30	1.24	4.46	4.20	2.57	0.79	2.07	3.16	39.65
Calhoun City	6.56	6.53											
Canton	4.74	6.17	4.26	6.71	1.70	0.80	4.87	3.72	2.05	1.36	1.13	2.65	40.16
Charleston	7.21	2.50	8.68	9.28	2.32	4.65	4.01	3.75	5.20		1.34	1.19	
Clarksdale	5.35	1.84	8.65	6.36	4.65	6.33	3.65	2.43	1.75	3.09	1.17	1.64	46.91
Cleveland	6.42	2.32	7.77	9.04	2.63	2.35	3.65	1.95	0.61	3.57	0.71	0.52	41.54
Collins	8.61	5.24		2.56	2.25	1.76				0.40	0.43	1.29	
Columbia	8.81	4.47	8.00	3.10	0.48	3.24	7.49	7.41	1.31	0.68	1.02	3.11	49.12
Columbus	6.04	5.75	10.94	3.23	2.50	3.09	3.68	8.35	0.87	0.48	2.81	0.93	48.67
Corinth	6.38	3.42	9.58	5.12	3.68	4.90	7.52	1.78	2.12	2.62	1.30	1.56	49.98
Crenshaw			9.84		3.38	4.38	4.66	1.05	3.19	2.47		1.25	
Crystal Springs	5.24	7.10	4.48	4.34	1.18	1.86	2.90	3.01	1.86	0.77	1.88	2.16	36.78
Derma				3.74	1.96	2.78	3.27	3.88	1.74	2.01	2.65	2.00	
Duck Hill	6.62	5.49	7.63	3.84	0.85	2.99	5.14	7.91	0.72	2.24	1.93	1.52	46.88
Edinburg	4.46	5.80	5.14	5.74	1.74	2.98	4.21	2.92	3.16	0.86	1.59	2.13	40.73
Edwards	4.78	8.16	4.02	7.06	2.78	1.61	3.04	5.40	0.76	1.77	1.82	2.48	43.68
Enterprise	8.40	8.45	7.89	4.90	2.44	2.33	8.33	8.02	1.33	0.37	1.95	2.41	55.92
Fayette	5.29	5.94	3.98	4.69	0.13	0.64	4.17	5.31	2.30	1.05	1.57	3.60	38.57
Fruitland Park		7.91	5.70	2.04	0.70	2.35	11.52	7.80	2.90	0.38	1.60	2.24	
Fulton	5.70		8.46	3.65	2.56	5.45	3.15	2.04	3.94	2.09	1.52	0.83	
Greenville	4.49	5.51	6.63	4.34	1.09	2.73	3.18	6.61	1.82	2.73	1.15	1.73	42.01
Greenwood	5.64	6.58	7.39	4.81	3.03	3.67	6.38	2.65	0.90	2.10	2.42	1.60	47.17
Grenada	5.90	4.00	7.09	4.57	2.79	2.52	5.47	2.86	0.76	2.11	1.84	1.00	40.91

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Mississippi—Continued.													
Hattiesburg	8.49	5.80	6.46	2.49	2.15	2.20	4.36	6.79	2.34	0.39	0.91	3.48	45.86
Hazlehurst	6.71	8.50	4.44	5.27	0.96	2.70	4.45	7.53	3.39	0.92	1.73	3.03	49.63
Hernando	6.72	1.59	9.06	6.27	3.60	6.48	4.31	1.92	2.53	2.69	1.64	1.14	47.95
Hickory	8.03	6.22	9.56	4.84	1.28	0.80	7.02	4.48	1.08	1.01	2.03	2.30	48.65
Hickory Flat	7.95	2.32	5.60	.....	.....	.....	.....	.....	.....	.....	.....	1.33	.....
Holly Bluff	.....	4.94	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Holly Springs	4.93	1.53	11.92	6.39	3.85	3.72	3.51	2.07	3.37	2.16	1.49	1.02	45.96
Jackson	4.38	7.34	4.76	5.12	2.22	2.74	2.98	4.17	0.44	1.16	1.76	2.41	39.48
Kosciusko	5.85	7.67	9.00	4.82	1.25	2.05	2.26	3.90	0.84	1.43	1.86	2.43	43.36
Lake	5.35	5.56	7.81	2.42	2.75	1.60	2.16	4.30	2.51	0.47	1.90	2.42	39.25
Laurel	8.37	6.72	7.50	3.34	0.86	0.77	6.33	4.83	3.02	0.51	1.81	4.18	48.35
Leckesville	4.07	5.46	5.76	3.98	2.40	0.80	7.34	5.80	3.95	0.42	1.42	1.51	42.91
Louisville	5.27	7.35	6.58	3.84	1.19	2.07	5.76	5.08	6.10	0.43	1.31	2.25	47.23
McNeill	8.00	7.22	6.91	2.95	0.70	1.42	6.33	3.16	4.01	0.22	1.15	3.00	45.07
Macon	5.33	5.92	8.06	3.58	2.21	0.70	4.74	5.04	3.22	0.86	1.79	1.77	43.22
Magnolia	8.42	6.82	6.83	4.39	0.77	4.34	5.49	9.87	3.14	0.98	0.71	2.81	54.57
Meadville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.60	.....
Mendenhall	.....	.....	.....	.....	.....	.....	.....	.....	0.79	0.51	1.43	3.82	.....
Meridian	5.89	5.89	6.92	4.16	0.89	0.21	5.12	1.77	2.25	0.46	2.37	1.95	37.88
Merrill	6.09	7.17	5.66	3.68	2.15	3.40	7.00	8.19	6.23	0.95	2.00	3.55	56.07
Monticello	8.56	6.04	5.48	3.89	0.56	1.23	7.16	6.26	1.08	1.16	1.18	2.89	45.49
Moorhead	6.34	4.14	5.10	5.57	.....	.....	.....	.....	.....	.....	1.75	1.81	.....
Natchez	5.04	6.48	3.97	6.41	1.06	0.49	4.00	2.51	2.26	0.96	1.25	3.43	37.80
Okolona	5.35	6.80	9.29	4.85	4.95	5.70	5.10	3.04	2.30	2.20	3.42	1.25	54.25
Pascagoula	3.02	2.61	2.08	3.27	0.74	0.57	3.19	8.28	8.07	0.35	1.21	2.17	34.96
Pearlington	4.55	3.30	3.69	4.13	1.38	0.57	5.46	8.97	4.77	0.59	0.69	2.61	40.71
Pontotoc	6.98	2.74	7.70	5.11	2.66	6.02	2.95	3.23	1.80	2.15	2.27	.....	.....
Port Gibson	4.83	6.21	4.04	6.31	0.60	2.93	3.96	4.35	2.62	1.48	1.42	2.57	41.32
Rosedale	5.41	1.79	7.07	6.67	1.17	3.00	5.35	1.34	0.57	2.80	0.82	2.25	38.24
Shubuta	9.62	4.86	6.91	3.03	1.03	1.04	6.78	0.67	4.62	1.57	1.34	1.48	48.95
Stoneville	5.21	3.07	3.84	5.21	0.79	2.30	.....	5.35	4.42	2.82	1.66	1.56	.....
Suffolk	6.98	8.05	4.40	4.71	0.80	0.65	4.86	5.20	1.10	0.99	.....	.....	.....
Swan Lake	4.25	3.71	8.07	7.81	1.70	3.28	.....	.....	.....	.....	1.66	1.40	.....
Tchula	6.17	8.41	9.32	3.51	1.19	2.23	5.10	5.98	0.59	1.88	1.65	1.75	47.78
Tupelo	5.27	4.05	9.20	3.21	3.03	4.01	1.90	2.85	4.65	.....	.....	1.13	.....
University	5.00	1.31	7.05	6.70	3.50	7.25	4.20	3.70	4.30	2.85	1.25	.....	.....
Utica	4.43	4.81	2.83	4.67	1.53	1.27	3.70	3.28	2.19	1.65	1.36	1.93	33.65
Vicksburg	4.21	6.49	5.31	7.75	2.15	0.80	4.97	3.65	0.50	1.55	0.71	1.85	39.94
Water Valley	6.88	2.47	9.64	7.56	3.31	5.90	4.07	4.75	2.35	4.00	1.59	1.46	53.98
Waynesboro	8.73	5.60	9.48	3.23	0.45	1.52	4.40	7.86	5.99	0.79	1.29	3.07	52.41
Woodville	7.37	6.96	3.17	6.76	0.61	2.52	3.30	6.35	1.25	1.31	1.74	3.97	45.31
Yazoo City	5.91	5.91	7.40	5.03	1.54	3.18	2.75	4.67	1.60	1.69	1.45	2.06	43.79
Missouri.													
Amoret	1.01	0.07	3.02	3.47	4.91	0.51	3.38	6.49	4.41	0.61	T.	0.50	28.38
Appleton City	0.33	0.11	1.97	4.11	6.30	0.66	3.64	.....	3.35	0.77	0.27	0.22	.....
Arlington	1.80	T.	2.33	5.71	4.31	2.48	4.43	6.38	3.04	0.88	1.25	0.50	33.11
Avalon	0.70	T.	2.63	7.20	4.65	2.25	2.58	2.85	3.28	1.65	0.05	0.52	28.36
Bethany	0.50	0.65	1.31	6.83	2.87	12.08	0.57	3.37	3.52	1.13	T.	0.10	32.33
Birchtree	3.34	0.63	1.27	9.93	4.09	6.74	3.44	8.15	1.48	1.11	3.62	0.87	44.67
Bolivar	1.34	0.20	2.25	3.87	5.02	1.36	4.60	4.35	3.97	0.30	0.95	1.36	29.57
Boonville	0.59	0.16	3.92	5.51	5.84	2.93	1.13	5.50	4.11	1.24	0.10	0.25	31.28
Brunswick	0.71	0.05	2.78	6.09	5.25	2.15	2.67	2.89	2.47	1.35	T.	0.50	26.91
Cape Girardeau	3.40	1.70	3.63	8.97	3.47	2.74	3.22	.....	.....	.....	.....	1.20	.....
Cardwell	.....	.....	.....	.....	.....	.....	.....	1.49	.....	.....	.....	.....	.....
Caruthersville	5.54	2.76	4.63	5.05	2.32	5.07	6.40	5.34	0.97	1.53	1.48	1.60	42.60
Cassville	2.07	0.52	6.22	3.63	5.39	3.49	6.04	4.64	.....	.....	.....	.....	.....
Chillicothe	0.48	T.	1.87	5.20	4.35	7.70	2.54	3.04	4.24	0.98	0.00	0.17	30.57
Clifton Hill	0.57	0.10	3.16	7.19	2.93	1.34	1.84	2.04	2.90	1.00	0.14	0.69	23.90
Clinton	0.59	0.12	3.42	3.81	4.13	1.66	1.95	6.09	3.22	1.22	0.15	0.55	26.91
Columbia	1.05	0.25	3.52	4.04	4.89	2.66	0.93	5.27	2.38	0.72	0.10	0.44	26.85
Conception	0.45	T.	0.76	4.66	3.42	12.22	0.13	1.89	4.01	1.30	0.03	0.35	29.22
Crocker	.....	T.	.....	.....	4.79	0.09	2.70	7.55	5.00	0.04	0.97	.....	.....
Dean	0.12	0.82	2.42	4.34	5.16	2.19	7.73	5.55	3.55	0.99	5.83	1.15	39.85
Doniphan	3.10	2.20	2.60	10.74	3.16	5.20	4.86	6.66	0.11	1.56	2.59	1.87	44.57
Elkton	1.01	0.05	2.19	5.78	6.52	1.64	2.36	4.50	3.83	0.39	0.40	0.79	29.36
Fayette	0.54	0.16	4.02	5.88	4.32	3.18	1.24	4.07	4.15	1.12	0.05	0.54	29.27
Fruit City	3.65	0.30	3.58	8.44	4.55	4.10	3.71	5.33	1.28	2.10	3.22	1.25	41.51
Fulton	1.67	0.29	3.46	4.27	5.05	1.57	2.06	4.27	1.29	1.25	0.19	0.50	25.87
Gallatin	0.45	0.03	2.89	6.34	2.94	9.00	1.71	4.51	3.78	1.74	0.05	0.44	33.88
Gano	2.57	0.27	2.89	6.90	3.60	2.05	4.36	8.08	2.25	1.79	1.44	1.28	37.48
Glencoe	1.67	0.35	1.47	5.13	1.41	0.34	3.62	5.66	2.11	1.00	0.74	1.50	25.00
Goodland	3.35	0.12	2.28	8.54	5.10	2.58	3.18	7.20	1.21	1.24	2.62	0.92	38.34
Gorin	0.45	0.07	1.80	5.64	4.43	10.00	2.37	1.44	2.60	1.51	0.21	0.25	30.77
Grant City	0.50	T.	1.00	5.26	2.66	12.62	2.20	3.29	2.08	0.44	0.20	0.25	30.50
Hannibal	0.88	0.10	3.95	6.38	3.83	3.75	1.71	1.87	2.43	0.94	0.08	0.55	26.47
Harrisonville	0.46	0.07	3.19	4.80	6.23	0.67	0.67	5.66	3.25	1.36	0.16	0.30	26.82
Hermann	1.20	0.65	2.28	4.95	4.15	2.27	2.34	3.17	1.82	0.85	0.38	0.50	24.56
Hollister	1.50	0.10	1.40	9.25	5.84	3.85	6.60	3.85	3.00	0.80	7.75	1.40	45.34
Houston	1.58	0.15	1.86	6.58	2.25	3.18	3.35	3.27	3.24	0.89	2.55	1.75	30.65
Ironton	4.10	0.25	2.74	7.69	3.81	2.65	6.49	5.23	2.86	2.65	2.70	1.25	41.62
Jackson	3.02	1.21	2.13	8.71	3.63	4.66	5.36	11.46	1.23	1.75	2.81	0.76	46.73
Jefferson City	1.76	0.37	2.26	4.56	6.78	0.99	2.58	4.16	1.98	0.56	0.31	0.58	26.89
Kansas City	0.62	0.07	2.89	6.87	5.74	3.34	1.02	3.27	3.33	1.65	0.06	0.45	29.31
Keytesville	0.72	0.08	3.31	7.73	3.77	1.34	2.49	3.11	3.09	0.75	0.01	0.60	27.00
Kidder	0.52	0.00	2.16	5.11	4.05	3.52	1.16	5.68	3.30	1.60	0.02	0.27	27.39
Kirksville	.....	.....	.....	6.00	3.95	5.71	1.80	1.46	3.59	1.42	0.02	0.28	.....
Koshkonong	3.11	1.56	1.72	10.82	4.72	6.94	6.23	7.02	1.64	1.64	1.63	1.28	48.31
Lamar	0.82	0.14	1.53	4.63	6.28	2.28	6.19	1.49	4.16	0.29	1.23	1.30	30.34
Lamonte	0.46	0.10	3.25	5.40	5.30	1.53	1.17	4.94	3.39	1.40	T.	0.50	27.44
Lebanon	1.58	0.33	2.29	3.49	5.83	1.70	2.69	7.06	2.74	0.46	1.36	1.00	30.55
Lexington	0.71	0.04	2.69	7.43	3.90	2.91	0.47	2.83	2.59	1.57	0.08	0.54	25.76
Liberty	0.29	0.05	2.12	7.24	5.18	4.58	1.45	3.52	3.55	2.48	0.02	0.50	30.98
Lockwood	1.02	0.36	2.71	3.86	7.12	2.66	5.34	5.45	4.07	0.27	2.02	0.44	35.32

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Missouri—Continued.													
Louisiana	2.13	0.21	5.72	4.28	5.04	3.01	2.89	4.01	2.55	1.59	0.23	0.66	33.22
Macon	0.54	0.06	4.25	6.05	6.56	3.50	2.00	1.34	2.59	1.00	.....	.....	.....
Marble Hill	3.25	1.62	1.60	7.65	.....	5.15	5.71	6.33	1.15	0.90	3.08	0.42	.....
Marshall	0.20	0.12	4.31	6.92	4.06	1.46	0.61	4.26	4.46	1.16	0.08	0.50	28.14
Maryville	0.60	0.10	1.22	4.07	4.76	13.54	0.67	3.26	2.31	0.97	0.17	0.45	32.03
Mexico	1.25	0.36	4.05	5.11	5.20	1.80	1.12	4.69	2.24	1.08	T.	0.58	27.48
Mountain Grove	4.35	0.48	2.09	5.12	3.43	4.13	4.87	6.06	4.50	1.78	3.74	0.83	41.38
Mount Vernon	.....	0.50	1.13	5.30	.....	.....	.....	.....	5.23	.....	.....	2.84	.....
Neosho	0.53	0.78	1.84	5.43	5.64	5.55	6.24	6.70	2.09	0.38	4.24	0.81	40.23
Nevada	1.27	0.04	2.60	3.72	6.05	1.02	4.75	4.47	2.80	0.64	0.46	0.70	28.52
New Madrid	4.96	2.15	4.74	7.25	3.91	5.49	7.22	5.54	0.81	1.50	1.99	2.40	47.96
Oakfield	1.80	0.17	2.92	4.84	3.36	1.00	3.68	6.41	2.69	0.97	0.91	0.56	29.31
Osceola	.....	.....	.....	4.01	5.96	.....	3.30	5.27	3.92	0.58	0.35	0.07	.....
Oregon	0.40	0.40	1.06	4.53	2.82	9.07	1.38	3.91	2.96	0.83	T.	0.25	27.61
Pacific	1.76	0.21	1.75	6.05	3.45	0.52	1.95	5.66	1.49	0.97	1.15	0.74	25.70
Palmyra	0.91	0.07	3.05	5.82	4.12	6.43	2.29	0.98	3.22	1.03	0.08	0.42	28.42
Patton (near)	0.64	0.30	3.60	5.30	2.06	4.60	3.15	4.48	0.40	2.50	2.50	0.70	30.23
Poplar Bluff	3.06	1.59	2.53	8.74	2.43	4.59	5.62	5.54	0.21	1.09	2.56	1.07	39.03
Rolla	1.81	0.12	2.00	5.78	3.70	1.42	4.10	5.68	2.82	1.16	1.22	0.95	30.76
St. Catherine	0.48	0.01	2.02	5.97	3.26	7.16	2.06	2.87	2.82	1.13	0.05	0.27	28.10
St. Charles	1.26	0.98	1.83	3.70	4.34	2.16	1.91	5.29	1.98	1.56	0.50	0.44	25.95
St. Joseph	0.38	0.02	1.48	4.77	3.22	6.21	1.04	5.08	1.60	0.80	0.04	0.16	24.80
St. Louis (1)	1.72	0.35	1.80	4.64	3.78	0.62	3.17	1.99	3.50	1.87	0.78	0.78	25.00
St. Louis (2)	1.95	0.59	1.96	5.07	3.95	0.69	2.28	2.41	2.90	1.51	0.89	1.10	25.30
Shelbina	0.60	.....	3.01	7.47	3.19	.....	.....	1.34	4.33	0.97	0.00	.....	.....
Sikeston	4.46	2.00	3.27	7.77	2.12	4.05	3.34	4.40	0.05	.....	.....	.....	.....
Springfield	1.46	0.47	2.31	4.63	3.90	2.69	4.15	4.26	3.74	0.31	2.61	1.18	31.71
Steelville	0.58	0.42	4.33	6.78	3.73	5.90	1.44	1.00	3.70	1.05	0.05	0.39	29.37
Stockville	1.75	0.05	2.69	6.66	1.10	.....	3.83	6.02	1.86	.....	1.18	0.50	.....
Tarkio	0.33	T.	1.17	3.87	3.95	7.47	0.37	2.41	1.88	0.05	0.18	T.	22.58
Trenton	0.96	0.37	3.09	7.26	2.89	8.39	1.52	4.36	3.58	1.85	T.	0.17	34.44
Union	1.57	0.27	1.67	6.24	4.19	0.93	2.85	6.52	1.45	1.26	1.06	0.60	28.61
Unionville	0.85	0.16	2.12	6.43	5.65	10.98	1.94	3.01	3.85	1.98	0.08	0.36	37.41
Valley Park	2.06	0.50	2.11	5.75	4.72	0.57	2.61	3.95	1.76	1.19	0.99	0.58	26.79
Warrensburg	0.58	0.04	3.30	6.00	4.11	3.91	1.68	4.22	3.89	0.98	0.07	0.21	28.99
Warrenton	1.44	0.11	3.59	4.55	4.21	0.98	1.56	3.51	1.38	1.00	0.27	0.86	23.46
Warsaw	1.34	0.38	4.56	5.71	5.06	0.78	2.47	6.38	4.75	0.99	0.39	0.80	33.61
Waverly	0.68	0.08	2.74	8.25	5.48	2.07	0.71	4.02	3.79	1.61	T.	0.48	29.91
Montana.													
Adel	2.10	4.29	2.32	2.41	4.44	4.76	4.40	1.96	2.62	3.14	0.09	3.11	27.64
Agricultural College	1.87	1.01	0.81	1.72	2.37	2.46	0.36	0.53	2.64	0.42	0.31	1.18	15.68
Anaconda	1.02	2.04	1.42	1.16	3.82	1.23	0.26	0.18	1.37	1.17	0.51	1.67	15.85
Augusta	T.	0.96	0.80	0.56	6.50	0.55	0.00	0.63	2.64	0.40	0.00	.....	.....
Babb	1.28	1.00	0.90	2.87	2.20	2.57	0.23	1.93	1.47	0.91	T.	1.79	17.15
Belton	3.36	1.82	1.75	3.49	0.67	4.40	0.38	0.40	1.14	1.26	0.14	9.48	28.29
Big Ox	0.72	3.43	1.04	1.25	3.36	0.62	0.16	0.53	1.40	1.30	0.46	4.19	18.46
Big Timber	0.77	1.07	0.95	3.16	5.07	1.10	0.85	0.50	2.89	0.35	0.60	1.62	18.93
Billings	0.35	0.48	0.65	1.99	4.01	2.17	1.00	0.26	1.36	1.03	0.14	1.54	14.98
Blackleaf	.....	0.71	1.08	3.36	4.95	1.07	0.21	0.61	1.04	.....	.....	.....	.....
Bowen	1.39	0.89	1.17	0.84	1.57	0.93	0.35	0.05	1.20	0.65	0.64	1.95	11.63
Brenner	.....	0.40	1.03	1.11	1.61	0.37	T.	0.19	0.85	0.47	0.52	1.34	.....
Bridger	0.18	0.22	0.92	1.23	3.56	0.97	T.	0.11	2.10	1.31	0.27	0.69	11.56
Broadview	.....	.....	.....	1.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
Browning	0.06	0.47	0.96	1.48	3.05	1.90	0.22	1.09	1.07	0.31	0.03	2.73	13.37
Busby	0.39	0.25	0.89	1.14	2.54	1.87	0.20	0.08	0.28	0.36	0.04	1.61	9.65
Bosteed	0.37	0.80	0.91	2.94	4.07	2.12	0.33	0.56	1.85	0.95	.....	1.59	.....
Butte	0.84	1.52	1.08	0.94	2.21	2.08	0.47	T.	1.50	1.36	0.16	1.70	13.86
Canyon Ferry	0.30	0.41	0.24	0.51	1.64	1.30	0.16	0.18	2.17	0.38	0.19	1.09	8.57
Cascade	0.30	1.41	0.67	1.59	3.85	1.26	0.17	1.14	3.15	0.82	0.08	1.03	15.47
Chester	0.22	0.35	0.68	1.10	0.77	.....	.....	.....	.....	.....	.....	.....	.....
Chinook	0.42	0.50	0.25	1.20	0.35	1.25	0.48	0.43	2.57	0.31	0.00	1.65	9.41
Christensen	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.31	0.00	1.38	.....
Clear Creek	0.68	0.48	0.16	1.38	0.29	1.37	0.32	0.84	3.43	0.40	0.00	1.72	11.07
Clyde Park	.....	.....	0.12	0.90	1.50	1.40	0.20	0.50	3.10	0.10	T.	0.70	.....
Columbia Falls	2.04	2.63	1.94	3.13	1.67	3.38	0.24	0.30	1.16	0.92	0.20	5.53	23.14
Como	0.73	1.55	0.87	1.26	1.75	0.64	0.04	0.78	1.71	1.04	1.83	2.13	14.33
Copper	1.30	1.60	0.78	2.01	3.07	1.95	0.03	0.23	2.42	0.93	0.18	2.01	16.51
Crow Agency	.....	.....	.....	.....	.....	.....	0.00	0.11	0.37	1.96	0.00	1.45	.....
Culbertson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.02	0.67	.....
Cut Bank	.....	.....	.....	.....	.....	.....	T.	T.	0.50	T.	0.00	.....	.....
Dayton	0.45	0.90	0.50	1.22	1.19	1.61	0.05	0.22	1.22	0.54	0.15	3.75	11.80
Deer Lodge	1.51	0.88	0.62	0.39	1.64	1.45	0.14	0.21	1.52	0.80	0.13	1.10	10.39
Dell	.....	.....	.....	.....	2.25	1.00	0.47	0.09	1.02	0.08	0.24	0.10	.....
Denton	1.00	0.84	0.34	0.58	2.17	1.57	0.15	0.63	3.41	0.56	T.	1.53	12.78
Dillon	1.05	0.54	1.53	2.03	2.68	1.45	0.01	0.26	1.33	0.46	0.20	0.62	12.16
Dunkirk	0.16	0.72	0.00	0.42	1.82	2.51	0.21	0.77	0.91	0.12	0.00	1.20	8.84
East Anaconda	0.98	2.12	0.63	0.96	3.43	.....	0.05	0.03	1.18	.....	0.02	4.00	.....
Ekalaka	0.71	0.30	0.29	1.15	2.18	1.55	0.15	0.57	0.12	0.49	T.	0.34	7.85
Farmington	.....	0.67	0.10	0.80	3.50	1.78	0.22	.....	.....	.....	.....	.....	.....
Findon	0.95	1.35	0.65	3.20	3.84	2.05	0.42	0.25	2.06	0.71	0.40	2.17	18.05
Flatwillow	0.10	0.84	0.95	1.56	3.07	1.03	0.79	0.20	2.10	0.45	T.	2.38	13.47
Fortine	.....	.....	3.49	1.83	1.36	3.24	0.11	0.44	2.05	0.39	.....	.....	.....
Fort Shaw	0.12	0.52	0.39	0.59	2.23	1.40	0.04	0.86	2.43	0.33	0.05	0.89	9.85
Foster	0.34	0.39	0.86	0.54	2.87	2.14	0.14	0.32	0.66	0.86	0.50	.....	.....
Geyser	0.03	0.79	0.29	0.80	4.44	0.51	0.13	0.37	1.55	0.39	T.	.....	.....
Glacier Park	2.56	1.45	2.00	1.47	.....	1.94	.....	.....	1.28	.....	.....	12.87	.....
Glasgow	0.47	0.49	0.71	1.44	0.08	1.22	0.89	0.32	1.01	0.13	0.00	1.07	7.83
Glendive	0.62	0.25	0.49	1.56	1.47	2.87	0.51	1.06	0.19	0.24	T.	1.46	10.72
Glentana	2.21	0.81	0.07	1.10	.....	.....	.....	0.63	.....	.....	.....	.....	.....
Goldbutte	0.62	0.63	0.03	0.48	0.60	1.84	0.15	0.57	0.68	0.35	0.00	1.52	7.47
Graham	0.25	0.39	0.63	1.64	4.02	1.31	0.44	1.05	2.71	0.49	.....	0.83	.....
Great Falls	0.28	1.52	1.16	2.76	4.20	3.85	1.31	0.97	2.90	0.94	0.00	2.49	22.38
Hamilton	0.44	1.60	.....	.....	1.77	0.22	0.00	0.32	.....	.....	.....	.....	.....

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Montana—Continued.													
Harlowton	0.80	0.44	0.15	1.10	2.72	0.85	0.00	0.00	3.15	0.04	0.16	1.73	11.14
Hat Creek	2.40	1.54	2.14	3.78	4.81	1.15	0.28	0.12	3.98	3.29	0.53	4.21	28.23
Haugan	4.27	2.92	3.45	1.33	1.77	1.20	0.19	T.	2.13	1.07	0.86	13.04	32.23
Havre	0.97	0.90	0.18	1.35	0.33	1.43	0.45	0.43	4.58	0.38	0.02	2.64	13.66
Hebgen Dam	2.63	2.35	1.79	3.14	1.77	1.82	0.32	0.50	2.71	0.38	0.99	3.78	22.18
Helena	0.92	1.66	0.55	1.51	3.34	1.25	0.28	0.20	1.45	0.74	0.32	3.28	15.50
Hercules Ranch	0.80	0.84	1.25	1.28	2.36	0.59	0.33	0.45	0.00	0.84	T.	1.87	10.61
Heron	3.43	2.72	1.89	3.63	1.95	1.14	0.00	0.00	2.45	1.13	1.34	13.12	32.80
Highwood	1.11	2.01	1.47	1.54	1.26	1.04	0.38	0.76	4.23	1.41	0.40	1.41	17.07
Huntley	0.40	0.37	0.75	1.16	3.72	2.06	1.04	0.13	0.87	0.39	0.00	0.94	11.83
Jordan	1.86	0.97	0.72	0.68	2.18	1.09	0.45	0.51	0.22	0.53	T.	3.70	12.91
Kalispell	1.05	1.82	1.09	1.26	0.97	2.76	0.09	0.32	0.83	0.54	0.51	4.78	16.02
Knobles Ranch	0.36	0.38	0.24	1.82	0.99	2.44	0.29	0.75	0.90	0.44	0.00	0.99	9.60
Knowlton	1.19	0.83	0.84	1.38	2.84	2.24	0.20	0.27	0.17	1.08	T.	2.37	13.41
Lewistown	0.59												
Libby	1.52	0.85	1.47	1.75	1.49	1.18	0.01	0.25	1.26	0.48	0.49	6.83	17.58
Lindsay	0.71	0.68	0.50	0.53	1.93	1.69	0.46	1.26	0.20	0.26	0.00	1.05	9.27
Livingston	0.70	0.80	0.36	2.64	2.86	1.33	0.72	0.38	1.71	0.78	0.27	1.07	13.62
Lytle	0.50	1.00	0.37	1.58	2.13	2.66	0.26	0.65	2.55	0.95	T.	1.78	14.43
Malta	0.46	1.15	0.09	1.49	0.13	1.01	0.21	0.68	1.84	0.13	T.	1.54	8.73
McClary's Ranger Station								1.10	0.30				
Medicine Lake	0.45	0.89	0.45	1.97	0.16			0.53	1.14				
Melstone	0.39	0.31	0.21	0.71	4.19	1.52	0.56	0.35	0.53	0.32	0.00	1.06	10.15
Mildred	0.36	0.15	0.32	0.83	1.70	1.87	0.23	0.52	T.	T.	0.00	0.75	6.73
Miles City	0.81	0.75	0.65	1.02	2.29	1.99	0.63	0.56	T.	0.72	0.04	2.50	11.96
Missoula	0.66	1.08	0.36	1.16	3.06	0.62	0.00	0.00	1.98	0.92	0.28	7.09	17.21
Norris	0.55	0.81	0.61	2.45	3.20	2.09	0.73	0.13	3.08	1.34	0.25	0.23	16.47
Ovando	1.91	1.81	1.33	1.00	2.18	0.74	0.07	0.10	1.71	1.43	0.71	7.46	20.45
Philipsburg	0.87	1.23	1.59	1.38	2.40	1.24	0.26	0.25	2.25	0.72	0.32	1.53	14.04
Pinegrove	1.71	1.76	2.30	4.68	7.15	3.36	0.80	0.96	1.91	0.96	0.03	1.71	27.33
Plains	0.59	1.40	0.50	0.47	1.82	0.28	T.	0.21	1.30	0.79	0.45	7.23	15.04
Plevna	0.56	0.59	0.45	1.17	1.27	1.61	0.34	0.77	0.50	0.19	0.02	0.63	8.10
Polson	0.37	0.85	0.55	1.18	2.62	2.19	0.08	T.	1.10	0.35	0.16	6.03	15.48
Popiar	0.28	0.15	0.10	1.27	0.81	1.54	0.35	0.57	0.25	0.25	0.00	0.78	6.35
Red Lodge	0.58	0.92	0.48	3.26	3.97	1.46	0.21	0.10	3.12	2.07	0.28	1.04	17.49
Renova	0.30	0.32	0.41	2.53	3.39	1.82	0.22	0.48	1.70	0.23	0.22	0.45	12.07
Ringling	0.93	1.42	0.70	0.57	1.55	1.64	0.24	0.10	2.61				
Rock Springs	1.61	0.42	1.56	0.78	1.27	1.65	0.04	1.56	0.12	0.63	0.02	2.84	12.50
Roundup	0.29	0.78	0.81	2.79	3.74		0.28	0.42	1.25	0.61	0.05	1.67	
Rudyard	0.11	0.64	T.	0.56	0.83	1.07	0.36	0.74	3.66	0.09	0.00	1.69	9.75
Ryegate	0.02	0.42	1.04	1.50									
St. Ignatius	0.67	1.09	0.11	1.02	2.86	2.53	0.10	0.03	2.20	0.80	0.11	2.80	14.32
St. Marys Lake	2.16	2.96	2.38	4.16									
Savage	0.75	0.32	0.59	1.49	0.59	2.22	0.19	0.84	0.36	0.54	T.	1.04	8.93
Shelby	0.15	0.52	0.48	1.01	2.22	1.62	0.03	0.97	1.47	0.04	0.00	1.45	9.96
Sidney	0.25	0.26	0.32	0.78	0.47	2.11	2.25	0.76	0.67				
Snowbelt	0.48	0.76	0.90	1.30	3.49	2.56	0.29	0.88	0.85	0.99	T.	1.54	14.04
Springbrook	1.13	0.71	0.60	1.47	1.24	1.94	0.06	0.62	0.14	0.48	0.04	2.63	11.06
Stacey				2.27									
Stevensville	0.40	1.57	0.54	0.62	1.99	0.26	T.	0.05	1.87	0.51	0.66	2.19	10.66
Stryker	2.57	1.20	2.57	2.04	1.05	2.31	0.25	0.45	1.12	0.82	0.35	4.86	19.59
Suffolk	0.28	1.52	0.49	1.61	2.88	2.13	0.32	0.54	3.00	0.49	0.01	1.33	14.60
Sula	1.53	1.49	2.05	1.75	2.94	1.49	0.05	0.42	1.86	1.09	0.73		
Sunlit Farm				1.33									
Sun River Canyon	0.32	1.62	1.46	1.94	4.90	0.55	0.33	1.10	1.89	0.92	0.05	4.32	19.40
Sunset Orchard	0.55	1.78	1.58	0.94	1.99	0.31	0.00	T.	1.04	0.45	0.36	1.43	10.43
Superior	1.19	2.09	1.83	2.13		0.72	0.29	0.36	2.25	0.84	0.92	7.74	
Thompson Falls	1.44	1.48	1.39	1.62	2.13	1.42	0.06	T.	1.78	1.31	0.50	9.32	22.45
Three Forks	0.65	0.42	0.31	0.97	2.18	1.33	0.11	0.46	1.90	0.17	0.19	0.45	9.14
Trout Creek	3.56	3.06	4.78	2.18	2.91	1.81	0.01	0.25	1.40	1.62	0.90	14.26	36.74
Upper Yaak River	1.35	1.30	1.85	1.93	1.03	1.58	0.21	0.77	0.96	0.86	1.02	6.05	18.91
Utica	0.20	0.86	0.69	1.67	3.43	1.65	0.31	0.47	2.21	0.76	T.	1.02	13.27
Valentine	0.12	0.74	0.07	0.27	2.15	1.03	0.53	0.35	1.50	0.29	0.00	0.62	7.67
Valier	0.10	0.33	0.30	1.22	2.42	1.92	0.42	1.23	2.32	0.21	0.01	0.57	11.05
Vananda										0.86	0.00	2.22	
Victor	1.46	2.65	1.48	1.12	1.25	0.13	0.00	0.11	1.30	1.07	0.83	7.35	18.75
Virginia City	0.47	0.56	T.	1.05		2.06	0.50	0.16	1.93	0.09	0.57	0.93	
Wheaton	0.40	1.92	1.12	1.25	3.51	0.75	0.42	0.47	2.58	0.77	0.08	0.92	14.19
White Sulphur Springs	0.29	0.98	0.27	1.04	1.32	1.28	0.10	0.12	1.94	0.33	0.10	0.73	8.50
White Water	0.45	0.65	0.19	0.75	0.03	1.16	0.55	0.31	1.81	0.03	0.04	1.17	7.14
Wibaux	0.72	0.40	0.40	4.05	1.20	2.98	0.40	1.40	0.40	0.50	0.10	1.09	13.55
Wilder	0.30	0.84	0.29	1.09	1.73	1.10	0.26						
Wolf Creek	1.98	2.19	0.43	1.39	3.37	1.36	0.38	1.78	2.17	0.84	0.06	1.40	17.35
Nebraska.													
Ainsworth	0.81	1.10	2.27	4.18	7.41	3.70	1.92	1.83	2.99		0.27	0.70	
Albion	1.40	0.30	1.09	6.11	4.63	3.89	1.52	5.05	2.41	0.27	0.75	0.70	28.12
Alliance	0.21	0.40	0.88	1.81	3.83	1.66	1.10	1.18	0.94	0.34	0.06	0.11	12.52
Alma	0.23	0.08	0.73	1.69	4.91	1.83	2.05	3.70	2.20	0.30	1.08	0.11	19.09
Arcadia	0.63	0.05	1.45	2.86		2.88	0.92	0.27	2.64	0.00	0.68	0.07	
Arden	0.96	0.44	2.78	2.90	4.67	3.38	1.32	3.50	2.57	0.11	1.01	1.01	24.65
Ashland	0.59	0.04	1.42	4.31	8.81	7.53	0.71	3.26	0.92	0.41	0.13	0.76	23.89
Atkinson	1.10	0.80	2.20	2.90	7.10	3.78	0.94	1.88	2.46	T.	0.69	0.75	24.50
Auburn	0.59	T.	1.01	3.47	6.05	11.80	0.77	3.28	2.81	0.96	T.	0.52	31.26
Beatrice	0.57	T.	1.38	4.58	2.73	4.11	2.10	4.99	3.03	1.06	0.21	0.25	25.01
Beaver City	0.17	0.00	0.78	1.87	5.92	3.09	0.22	3.18	3.46				
Benkelman	0.18	0.36	1.13	2.08	2.84	0.66	0.38	4.27	2.75		0.34	0.30	
Bertrand	0.23	0.15	0.38	2.51	4.12	1.22	1.10	1.49	3.70	0.36	0.66	0.10	16.02
Bigspring	0.46	0.00	1.09	2.04	5.01	3.22	1.02	0.49	1.51	0.86	0.40	0.30	16.40
Blair	0.59	0.26	1.45	5.71	4.02	7.65	1.12	4.29	0.88	0.39	0.38	0.43	27.17
Blake	0.56	0.31	0.72	2.34	3.92	2.09	1.92	2.82	1.37	T.	0.37	0.26	16.68
Bloomfield	0.70	0.30	2.30	2.84	4.47	2.98	1.57	2.76	2.22	T.	0.25	0.40	20.79
Bradshaw	0.92	T.	0.86	5.79	5.84	3.53	1.03	3.99	3.58	0.39	0.90	0.52	27.53
Brewster	0.70	0.40	1.10	5.88	7.92	2.82	2.38	1.88	4.10	0.40	0.48	0.89	28.86

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska—Continued.													
Bridgeport	0.50	0.05	1.40	1.34	4.70	2.52	0.49	0.72	1.87	0.17	T.	0.42	14.18
Broken Bow	0.73	0.39	1.20	2.89	6.86	2.80	2.09	2.55	3.43	0.09	1.85	0.28	25.16
Brownlee	0.46	0.22	0.93	1.82	4.54	2.33	1.84	1.57	2.45	0.31	0.09	0.33	16.43
Burning	0.72	T.	1.19	3.57	3.80	1.76	1.08	3.66	3.24	0.45	0.51	0.11	20.09
Burwell	0.67	0.17	2.00	4.85	5.15	1.96	1.72	0.72	2.35	0.00	0.92	0.49	21.00
Butte	0.68	0.35	1.10	3.09	8.42	3.32	1.48	1.55	2.18	T.	0.35	0.51	23.03
Cairo	.....	0.25	1.45	3.58	4.25	2.68	0.64	2.04	6.32	0.20	1.24	0.35	.....
Callaway	.....	0.35	0.80	2.07	4.51	2.21	2.69	.....	.....	.....	.....	.....	.....
Central City	.....	.....	.....	.....	.....	.....	.....	.....	4.21	0.18	0.75	0.26	.....
Chadron	0.55	0.13	1.56	2.07	4.48	1.72	0.40	1.12	1.48	1.15	0.07	0.71	15.44
Clay Center	0.78	0.10	0.80	3.38	4.90	3.67	1.39	0.92	3.83	0.32	0.89	0.20	21.18
Columbus	0.74	0.09	0.64	6.22	3.72	4.65	0.55	2.41	1.57	0.17	0.36	0.14	21.26
Crete	0.33	T.	1.03	4.66	4.44	3.44	4.21	2.81	3.21	0.35	0.03	0.20	24.77
Culbertson	0.40	0.00	0.40	1.73	1.96	1.71	0.32	2.85	4.09	0.43	0.69	0.28	14.86
Curtis	0.31	0.10	0.46	2.10	2.20	1.70	0.80	2.05	5.15	0.25	0.70	0.46	16.28
David City	0.56	0.03	1.18	4.93	5.68	5.66	0.89	2.00	1.06	0.50	0.26	0.35	23.10
Drexel	0.49	0.13	1.39	4.53	2.89	7.12	0.70	3.77	1.51	0.39	0.25	0.33	23.50
Dumas	0.42	0.20	0.64	2.50	5.05	2.79	2.24	2.43	3.02	0.05	0.50	0.32	20.16
Elm Creek	0.22	0.23	1.50	3.10	4.83	2.13	1.53	2.18	7.17	0.11	1.34	0.17	24.51
Elsie	0.33	0.04	0.84	1.78	4.62	3.17	1.82	2.40	3.61	0.38	0.68	0.09	19.76
Ericson	0.57	0.20	0.90	3.74	5.03	1.47	0.34	1.43	1.42	0.30	0.94	0.53	16.87
Ewing	0.62	0.45	1.75	4.08	5.09	7.56	0.92	2.07	2.10	0.03	0.91	0.95	26.53
Fairbury	0.38	0.92	1.01	3.68	5.25	1.91	1.93	1.91	0.78	0.64	0.12	0.24	17.87
Fairmont	0.93	T.	1.01	4.00	3.56	3.63	0.91	1.55	5.60	0.56	0.36	0.50	22.61
Falls City	0.51	0.14	0.83	4.42	4.30	3.48	0.31	5.86	4.30	1.19	T.	0.30	25.64
Fort Robinson	0.52	.....	1.88	2.29	3.09	1.48	0.11	0.92	0.57	0.60	0.10	0.41	.....
Fort Omaha	.....	.....	.....	.....	.....	.....	.....	4.04	1.18	0.74	0.19	0.17	.....
Franklin	0.40	0.08	0.73	2.26	6.56	1.27	0.41	2.03	4.73	0.26	1.32	0.14	20.19
Fremont	0.55	0.17	1.36	4.68	2.95	6.80	1.11	4.06	0.84	0.46	0.16	0.58	23.72
Fullerton	0.50	.....	1.32	.....	5.08	4.41	1.35	1.33	5.92	.....	1.07	0.75	.....
Geneva	0.51	0.05	0.61	4.07	6.14	3.16	0.88	1.54	4.31	0.63	0.45	0.39	22.74
Genoa	0.44	0.10	1.01	5.35	3.37	3.11	1.76	2.83	3.64	T.	0.46	0.24	22.31
Gordon	0.41	0.24	1.10	2.26	3.41	2.41	0.17	0.60	1.16	0.32	0.47	0.75	13.30
Gosper	0.30	T.	0.44	2.73	4.18	1.24	0.54	2.30	4.82	0.27	0.75	0.14	17.71
Gothenberg	0.45	0.40	1.60	2.35	3.63	1.60	1.65	2.67	6.60	0.37	0.50	0.45	22.27
Grand Island	0.38	0.20	1.75	2.37	6.28	2.79	0.80	1.90	5.69	0.10	1.64	0.40	24.30
Greeley	0.57	0.11	0.70	3.47	6.11	2.48	0.88	2.46	3.92	0.20	1.20	0.75	22.85
Gresham	0.07	0.05	.....	4.23	4.19	3.14	.....	3.61	2.54	0.22	1.00	0.26	.....
Guide Rock	0.49	0.08	0.71	3.41	6.19	2.01	0.19	1.65	4.53	0.41	1.07	0.25	20.99
Haigler	.....	0.45	.....	2.38	5.45	.....	.....	1.85	.....	.....	0.10	0.30	.....
Halsey	0.60	0.58	1.59	3.39	3.70	1.83	2.48	3.17	2.22	0.34	0.18	0.79	20.87
Harrison	0.75	0.19	2.33	4.33	7.55	0.88	0.06	2.29	0.37	0.35	0.15	0.55	20.10
Hartington	1.60	0.78	2.25	3.80	4.22	4.67	1.85	3.00	1.72	0.27	0.68	1.05	25.89
Hastings	0.30	0.10	1.20	3.30	5.68	2.88	0.96	1.16	4.22	0.18	1.40	0.40	21.78
Hayes Center	0.80	0.20	1.15	2.52	5.96	1.47	0.30	2.64	3.45	0.83	0.95	0.25	20.52
Hay Springs	0.70	0.35	1.28	2.57	4.66	1.85	1.10	1.12	2.40	0.55	0.15	0.75	17.48
Hebron	0.43	0.03	0.89	4.53	3.65	1.24	0.97	4.54	2.68	0.46	0.33	0.12	19.87
Hemingford	0.28	0.28	0.68	1.31	4.21	1.67	.....	0.74	0.71	.....	.....	.....	.....
Hershey	0.41	0.24	1.02	1.91	5.71	3.91	0.98	2.86	3.56	0.08	0.15	0.27	21.10
Hillside	0.29	0.60	1.47	1.08	4.95	2.63	2.38	2.05	2.54	0.52	0.22	0.13	18.86
Holdrege	0.27	0.23	0.32	2.14	5.56	1.53	0.53	1.23	3.48	0.42	1.75	0.08	17.54
Hull	0.15	0.38	1.21	1.73	8.26	3.01	0.94	1.38	1.25	0.30	0.08	0.45	19.14
Imperial	0.63	0.34	2.02	2.88	5.22	3.72	0.76	2.48	4.57	0.16	0.13	0.41	23.32
Kearney	0.04	0.04	1.75	1.70	4.94	1.08	0.83	2.52	4.44	0.63	1.51	0.50	19.98
Kimball	0.50	0.55	1.80	1.25	5.86	1.22	1.57	0.51	2.76	0.20	0.10	0.50	16.82
Kirkwood	0.62	0.45	1.13	2.84	7.65	2.59	1.63	0.53	2.60	0 41	0.09	0.31	20.85
Kola	0.45	0.20	.....	3.67	5.33	3.51	1.51	1.71	1.78	0.12	0.60	0.43	.....
Kowanda	0.42	0.27	1.17	1.52	4.55	1.82	1.21	1.33	2.30	0.51	0.08	0.51	15.69
Lexington	0.15	0.45	0.53	3.73	5.06	1.35	0.73	2.29	5.18	0.21	0.50	0.20	20.38
Lincoln	0.41	0.02	1.27	4.26	3.99	6.03	0.56	2.49	2.31	0.44	0.05	0.23	22.06
Lodgepole	0.70	0.30	1.20	1 96	3.92	2.44	1.28	1.55	1.20	0.64	0.08	0.25	15.52
Long Pine	.....	.....	.....	3.14	7.19	4.57	2.11	0.78	2.59	0.21	0.10	.....	.....
Loup City	0.45	0.27	1.33	3.61	4.80	2.10	1.22	0.87	4.63	T.	1.27	0.11	20.66
McCook	0.11	T.	0.42	1.44	2.69	1.34	1.15	2.37	4.84	0.93	.....	0.20	.....
McCool Junction	0.75	T.	0.97	4.34	4.67	4.60	1.19	3.52	6.45	0.46	0.45	0.50	27.90
Madison	0.70	0.42	1.65	5.86	3.81	7.38	0.40	3.69	1.95	T.	0.56	0.70	27.12
Madrid	0.36	0.34	1.30	2.23	3.72	3.91	0.52	2.31	3.01	0.71	0.07	0.13	18.61
Marquette	0.16	0.03	1.63	4.05	5.23	2.60	1.11	0.99	2.96	0.09	0.74	0.22	19.81
Mary	0.64	0.80	1.20	2.55	4.81	1.78	1.41	1.76	3.42	0.56	0.39	0.62	19.94
Mason City	0.58	0.35	1.21	4.25	4.45	1.85	0.90	0.70	1.22	0.10	0.72	0.40	16.73
Melbeta	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.51	0.03	0.18	.....
Merriman	.....	.....	.....	.....	5.41	1.67	2.48	1.08	1.68	0.17	0.35	0.45	.....
Minden	0.41	0.07	0.90	2.30	5.18	1.90	0.81	1.44	4.46	0.32	1.67	0.11	19.57
Mitchell	0.22	0.02	0.82	1.86	4.51	1.68	0.55	0.28	1.39	0.02	T.	0.40	11.75
Nebraska City	0.45	T.	1.80	3.74	5.40	7.47	0.81	4.03	.....	1.07	T.	0.45	.....
Nelson	0.57	0.05	0.64	3.24	4.40	1.42	0.18	2.78	1.94	0.31	0.57	0.05	16.15
Nenzel	0.28	0.38	0.70	2.82	4.87	2.35	0.90	1.10	0.99	0.21	0.10	0.38	15.01
Norfolk	0.75	0.44	1.37	4.63	5.08	6.26	1.20	3.59	1.63	0.33	0.79	0.50	26.87
North Loup	0.75	0.23	2.09	4.54	4.57	3.70	0.83	0.60	3.10	T.	1.12	0.35	21.88
North Platte	0.74	0.35	1.48	1.95	4.44	2.38	1.13	1.96	2.68	0.32	0.71	0.27	18.41
Oakdale	0.85	0.32	1.60	4.02	5.83	4.55	1.03	2.07	2.50	0.19	0.47	0.37	23.86
Ogallala	0.56	T.	1.40	3.11	4.02	1.95	1.34	1.13	0.99	0.45	0.27	T.	16.12
Omaha	0.58	0.20	1.35	3.96	3.85	6.19	0.78	3.65	0.91	0.55	0.12	0.48	22.62
O'Neill	0.91	.....	.....	2.65	5.47	4.44	0.35	1.87	2.55	0.05	0.68	0.44	.....
Ord	0.72	0.24	1.50	4.67	5.88	3.11	1.07	0.92	2.99	T.	1.09	0.61	22.80
Orleans	0.50	0.25	0.80	1.93	5.38	1.86	2.24	2.18	2.58	0.58	1.58	0.05	19.93
Osceola	0.30	0.01	1.30	2.93	3.45	.....	.....	.....	.....	.....	0.27	0.50	.....
Oshkosh	0.70	0.42	2.86	1.47	3.94	3.14	1.06	1.54	2.65	0.20	0.22	0.35	18.55
Palisade	0.19	0.00	0.68	2.11	4.41	1.91	0.31	2.68	2.24	0.25	0.74	0.40	15.92
Pawnee City	0.40	0.10	0.82	4.06	3.72	6.77	0.60	5.00	3.10	0.81	T.	0.15	25.59
Paxton	1.13	0.24	1.64	3.07	3.64	3.92	1.44	1.71	3.46	0.21	0.72	0.15	21.33
Plainview	0.80	.....	1.20	.....	4.90	3.43	1.15	2.15	1.78	.....	.....	.....	.....
Plattsmouth	.....	.....	1.02	2.75	.....	7.77	0.28	.....	.....	.....	.....	.....	.....
Purdum	1.01	0.50	1.87	2.24	4.28	2.00	1.64	3.06	2.16	0.26	0.09	0.93	20.04

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska—Continued.													
Ravenna	0.37	0.19	1.04	3.17	4.75	1.95	0.87	1.63	5.36	0.46	1.73	0.19	21.71
Red Cloud	0.46	T.	0.48	3.28	5.73	0.78	0.33	1.35	3.28	0.24	1.04	0.11	17.06
St. Libory	0.50	0.30	0.70	4.75	4.05	2.20	0.88	0.55					
St. Paul	0.28	0.04	0.94	3.66	4.54	3.01	1.09	1.37	5.92	0.28	1.57	0.14	22.84
Santee				2.03	6.34	3.94	1.15	2.03	1.86	T.	0.55	0.52	
Schuyler	0.54	T.	0.86	4.90	4.40	5.81	0.70	2.42	0.70	0.37	0.52	0.35	21.57
Scottsbluff	0.35	0.10	1.23	2.18	7.70	1.53	0.23	1.24	1.79	0.32	0.02	0.57	17.26
Seward	0.30	0.05	0.82	4.79	5.29	3.55	1.08	3.74	2.66	0.43	0.04	0.55	23.30
Sidney	0.38	0.16	1.40	1.77	4.33	1.23	1.32	3.48	1.55	0.30	0.03	0.60	16.55
Springfield	1.31	0.03	1.00	5.15	5.31	9.22	0.68	5.35	0.60	1.21	0.07	0.53	30.46
Stanton	0.90	0.50		5.58	3.39	7.06	1.93	4.14	1.77	T.	0.62	0.62	
Stratton	0.10	0.05		1.30	2.60	0.76	1.97	3.58	2.70	0.24	0.62		
Syracuse	0.57	0.05	1.47	4.95	5.45	7.33	0.51	4.49	2.34	1.42	0.05	0.55	29.18
Table Rock	0.46	0.04	1.27	3.42	4.21	8.36	0.35	6.00	4.63	1.22	0.03	0.18	30.17
Tecumseh	0.40	0.00	1.09	3.57	4.33	6.74	0.78	2.36	4.59	1.11	T.	0.32	25.29
Tekamah	0.60	0.35	1.65	6.30	4.73	5.55	2.25	3.91	1.36	0.28	0.95	0.50	28.43
University Farm		0.02	1.07	3.89	4.13	6.52	0.96	3.64	2.20	0.49	0.07	0.23	
Upland	1.00	0.00	0.55		7.49	0.20	1.15	1.64	5.80	T.	1.90	0.30	
Utica	0.56	0.00	0.82	3.95	3.97	2.86	1.54	5.63	3.19	0.42	0.54	0.20	23.68
Valentine	0.51	0.37	1.16	2.36	5.29	1.13	0.84	0.95	2.23	0.20	0.07	0.45	15.56
Wahoo	0.20	0.00	1.56	5.72	3.53	6.29	1.22	4.67	1.01	0.40	T.	0.30	24.90
Wakefield	0.76	0.53		3.00	2.96	3.70	3.34	4.34	1.22				
Walthill	0.65	0.70	1.99	4.87	3.78	5.47	1.59	4.84	1.47	0.32	1.01	1.00	27.69
Watertown	0.27	0.10	0.90	2.41	3.89	2.69	0.75	3.73	5.21	0.13	0.90	0.21	21.19
Wauneta	0.44	0.34	0.90	1.13	4.31	1.59	0.88	2.29	2.28	0.37	0.75	0.16	15.44
Weepingwater	0.31	0.04	2.07	5.24	6.80	8.82	0.86	5.07	2.12	0.58	0.20	0.31	32.42
West Point	0.20	0.40	1.12		3.94	6.51	3.39	5.31	1.25	0.30	0.80	0.70	
Whitman	0.75	0.50	1.34	1.00	5.98	1.93	2.25	1.81	1.87	0.42	0.50	0.55	18.90
Wisner	1.21	0.80	2.17	6.28	3.73	6.21	3.60	9.10	0.90	0.15	0.23	0.60	34.98
York	0.72	T.	0.72	4.74	4.84	2.76	0.94	3.91	3.75	0.39	0.74	0.13	23.64
Nevada.													
Arthur	0.46	2.35	1.38	1.53	3.84	0.12	1.34	0.86	0.80	0.00	0.62		
Austin	1.38	1.04	1.34	1.70	4.30	0.00	0.86	0.51	0.05	0.00	0.94	T.	12.12
Battle Mountain			T.	0.43		0.00	0.00		0.00	0.00	T.		
Beatty											0.36	0.00	
Beowawe	0.50	0.12	0.10	0.28	2.85	0.10	0.00	0.00	0.00	0.00	1.25	0.02	5.22
Cherry Creek	0.10	0.47	0.03	0.26	1.74	0.00	0.84						
Clover Valley	0.36	2.14	1.44	2.35	2.54	0.11	1.01	1.12	0.43	0.00	1.26	0.00	12.76
Duck Flat	0.52	1.98	0.36	0.14	0.77	0.10	0.00	0.48	0.06	0.00	0.34	0.13	4.88
Elko	1.10	1.30	0.98	0.20	3.55	0.30	1.05	T.	0.20	0.00	0.50	T.	9.18
Eureka	0.39	1.28	1.16	0.94	5.73	0.16			0.63	0.00	0.58	0.30	
Fallon	0.68	0.77	0.08	0.12	0.76	0.00	0.09	0.05	T.	T.	0.34	T.	2.84
Francis	0.24	1.61	0.48	0.19	0.89	0.33	0.35		0.00	T.	0.42	0.47	
Franktown	0.30							0.20					
Gardnerville	T.	1.54	0.37	0.48	1.30	0.00	0.41	0.13	0.00	0.00	0.71	0.22	5.16
Gerlach	0.41	0.19	0.36	0.02	1.20	0.20	0.00	0.10	0.00	0.00	0.01	0.00	2.49
Golconda	1.20	0.06	0.16	0.83	2.91	0.35	0.00	0.01	0.02	0.00	0.23	T.	5.77
Gold Creek	1.17	1.40		0.89	0.62	0.18	T.	0.05	0.15	0.00		0.40	
Goldfield	0.06	0.95	T.	0.69	1.13	0.00	0.89	0.54	0.04	0.07	0.96	0.00	5.33
Hamilton		1.74											
Hylton	0.50	1.71	1.81	1.35	4.36	0.39	0.71	0.00	0.78	0.00	0.88	0.12	12.61
Imlay	0.90	T.	T.	0.60	2.15	0.25	T.	T.	0.00	0.00	T.	T.	3.90
Indian Springs		0.28	0.99			0.00				0.00	0.41	0.09	
Jungo	1.05	0.11	0.13	0.15	1.26	0.00	T.	0.30				0.00	
Lahontan	0.45	0.90	0.09	0.09	0.96	0.00	0.06	0.14	0.00	0.00	0.22	T.	2.91
Lamoille	0.37	1.82	1.58	2.38	5.79	0.48	0.96	0.90	0.23	0.00	0.90	0.05	15.46
Las Vegas	0.92	0.10	0.01	0.18	0.84	0.00	1.54	0.32	0.36	0.00	0.06	T.	4.33
Lida	0.14	1.80	T.										
Logandale	1.76	0.10	0.24	0.32	0.58	0.00	1.36	0.00	0.34	0.00	0.23	T.	4.93
Lovelock	0.92	0.17	0.05	0.17	0.98	0.11	0.00	0.00	0.00	0.00	0.14	0.01	2.55
McDermitt	0.89	1.30	0.14	0.35	2.39	0.28	0.00	0.07	0.30	0.00	0.73	0.18	6.03
McGill	0.43	0.60	0.53	1.42	3.22	0.07	0.32	1.20	0.35	0.00	0.53	T.	8.67
Mahoney Ranger Station	0.75	1.55	1.47	3.68	4.50		0.79		1.26	0.00	1.24		
Marlette Lake	2.24	6.56	2.06	1.54	2.37	0.00	0.17	0.10	0.01	0.00	1.59	1.82	18.46
Metropolis	0.30	0.35	0.40	0.66	3.78	0.45	1.10	0.63	0.40	0.00	0.50	0.05	8.62
Millett	0.15	0.40	0.00	0.19	0.73	0.00	0.76	T.	T.	0.00	0.22	0.00	2.45
Mina	0.20	0.67	0.00	0.30	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16
North Fork	0.21	0.78	0.47	1.44	3.31	0.17	0.36	0.63	0.16	0.00	0.77	0.61	8.91
Oak Springs	0.29	0.15	0.24	1.19	2.32								
Oasis Ranch	T.	0.09	0.00	0.88	0.05	0.00	0.05	0.11	T.	0.00	0.24	0.00	1.42
Owyhee		1.55	2.04	2.69	3.11	0.52	1.08				1.62	0.60	
Pahrump	1.13	0.13	0.10	0.49		0.00							
Paradise Valley	0.55	0.83	0.54	0.65	2.07	0.15	0.06	0.63	0.24	0.00	0.13	0.08	5.93
Pioche			0.13	0.13	4.30	T.	2.15	1.50	1.51	T.	0.80	T.	
Potts	0.30	1.35	0.56	1.04	0.51	T.	0.11	T.	0.09	0.00	0.43	0.40	4.79
Quinn River Ranch	1.10	0.82			0.46	T.	0.00	T.	0.00	0.00	0.08	0.06	
Rebel Creek	0.90	0.58	0.39	0.94	3.26	0.44	0.07	0.30	0.33	0.00	0.47	0.10	7.78
Reno	0.05	2.01	0.74	0.28	1.18	0.06	0.04	0.12	T.	T.	0.68	0.27	5.43
Rhyolite	0.32	0.09											
Sand Pass	0.61	1.58	0.11	0.25	0.80	0.05	0.15	0.25	T.	0.00	0.55	0.22	4.57
San Jacinto	0.27	0.60	0.30	1.10	1.57	T.	0.71	0.50	0.56	0.03	1.48	0.33	7.45
Searchlight	1.36	0.26	0.04	0.47	1.09	0.00	0.50	2.49	0.07	0.00	0.04	0.00	6.32
Sharp	0.31	1.89	0.24	0.70	2.00								
Smith	0.25	1.91	0.28	0.97	1.76	0.00	0.90	0.46	T.	0.00	0.88	T.	7.41
Sulphur	0.77	0.22	0.02	0.08	1.50	T.	T.	T.	0.00	0.00	0.05	0.00	2.64
Tecoma	0.50	0.84	0.02	0.22	1.01	0.04	0.61	0.00	0.48	0.00	0.17	0.10	3.99
Thorne				T.	0.00						T.	T.	
Tonopah	0.50	0.42	0.03	1.22	0.39	0.00	0.31	0.58	0.13	T.	0.63	0.00	4.21
Vya	1.10	2.20	0.84	0.44	1.94	0.62	0.25	0.20	0.27	0.02	0.76	0.23	8.87
Winnemucca	0.90	0.20	0.58	0.68	2.49	0.35	0.06	0.57	T.	T.	0.25	0.05	6.13
Yerington	0.25	0.70	0.30	0.50	2.20	0.00		0.19		0.00	0.40	T.	

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Hampshire.													
Alstead Center	2.80	1.40	2.67	1.92	3.49	8.19	2.72	4.00	0.55	6.55	0.59	2.42	37.30
Berlin										5.90	0.41	4.18	
Bethlehem	2.36	1.31	2.66	2.43	2.00	7.02	2.39	5.02	1.49	5.60	0.60	2.15	35.03
Brookline	3.35	2.87	3.68	2.48	3.93	5.57	1.48	4.76	0.62	5.36	1.00	5.17	40.27
Concord	3.35	1.50	2.03	1.63	2.92	8.30	1.27	4.72	0.57	3.54	0.85	2.32	33.00
Durham	3.16	1.81	2.31	1.45	4.10	7.52	1.28	4.23	0.43	7.09	0.73	2.37	36.48
Franklin	3.73	1.73	3.16	2.65	3.21	7.51	2.92	3.46	0.87	4.89	1.03	3.86	39.02
Glencliff	2.69	2.17	5.19	3.16	3.69	7.26	2.77	2.84	1.68	6.81	0.72	2.15	41.13
Grafton	2.15	1.01	1.98	2.08	2.17	5.75	2.14	3.65	0.48				
Hanover	2.03	1.11	2.40	2.02	2.29	6.67	1.48	3.76	0.87	5.49	0.55	2.12	30.79
Keene	3.41	2.28	2.97	1.63	2.94	5.79	2.27	5.38	0.74	5.62	0.52	3.40	36.95
Newton	2.85	1.89	3.05	2.83	3.63	5.87	1.31	3.94	0.88	6.32	1.14	2.69	36.40
Plymouth	3.61	1.42	3.47	2.37	2.36	7.27	2.04	3.38	0.67	5.60	0.83	1.94	34.96
New Jersey.													
Asbury Park	2.35	1.60	4.29	2.49	2.72	3.78	3.47	4.06	2.92	6.75	0.31	3.17	37.91
Atlantic City	2.89	2.43	6.93	2.01	3.32	4.29	4.35	2.44	2.70	5.97	1.15	2.13	40.61
Belvidere			3.48	1.33	3.85	5.74	4.27	2.77	1.68	5.49	0.83	3.18	
Bergen Point	3.08		4.45	3.22	5.74	4.85	6.69	1.84	2.94	7.86	0.51	4.64	
Boonton	3.78	1.60	4.17	2.08	4.50	3.67	2.92	1.25	1.55	6.32	0.59	2.67	35.10
Bridgeton	3.26	2.37	6.48	2.97	4.37	3.68	5.70	2.64	2.19	8.79	0.31	2.20	44.96
Burlington	3.85	1.80	4.84	2.47	3.83	3.08	4.92	3.29	4.33	8.23	0.33	3.14	44.11
Cape May (City)	3.28	2.80	6.96	2.54	2.39	4.03	5.81	1.41	2.06	7.51	0.30	2.43	41.52
Charlotteburg	3.45	1.97	4.91	2.95	4.88	5.13	4.39	3.09	1.29	6.87	0.93	2.64	42.50
Chatham	3.76	2.12	4.08	2.21	4.09	4.24	4.08	0.99	1.86	6.23	0.54	3.44	37.64
Clayton	2.36	1.85	5.00	3.00	3.60	3.70	4.81	2.20	4.31	9.25	0.24	1.81	42.13
Colvers Lake	3.46	1.18	2.99	1.46	3.99	5.58	3.38	1.83	1.29	6.26	0.71	2.10	34.23
Dover	4.52	2.12	4.74	2.21	3.73	3.93	4.01	2.60	1.65	6.02	0.65	3.58	39.76
Elizabeth	3.43	2.05	4.53	3.19	3.92	3.24	6.06	1.74	2.73	7.86	0.56	5.14	44.45
Flemington	3.71	1.70	3.90	2.17	3.88	3.87	3.88	1.86	2.36	5.01	0.83	2.79	35.96
Hammonton				2.27	3.23	3.29	5.40	3.46	4.09	8.54	0.28	3.00	
Hightstown	3.35	1.33	4.95	2.08	3.54	3.53		2.36	3.31	7.19	0.41		
Highwood	2.53	1.58	4.02	2.44	4.09	5.00	2.39	2.28	1.45	7.93	0.60	4.08	38.39
Imlaystown		1.80		2.05					4.16	6.70	0.23	3.38	
Indian Mills	3.19	2.65	6.11	3.17	3.45	4.91	7.93	2.25	4.37	9.38	0.32	2.64	50.37
Jersey City	2.79	1.97	4.76	2.97	3.75	5.88	4.96	1.79	2.78	7.06	0.74	5.46	44.91
Lakewood	3.29	1.99	5.78	2.86	4.06	4.00	6.91	1.28	3.97	9.74	0.18	4.32	48.38
Lambertville	4.08	1.57	4.55	2.90	3.12	4.08	4.26	1.20	3.56	4.28			
Layton	3.66	0.92	3.57	1.92	3.34	5.20	2.38	1.74	1.14	6.50	0.92	2.55	33.84
Little Falls	3.31	1.67	4.02	2.32	4.00	3.85	3.03	0.91	1.43	7.41	0.79	3.06	35.80
Long Branch	3.38	2.27	5.81	2.61	6.83	7.14	6.98	5.68	5.19	8.23	0.47	3.14	57.73
Moorestown	2.97	1.84	5.10	2.32	3.09	3.50	5.64	3.90	3.95	7.59	0.32	2.57	42.79
Newark	2.92	2.00	3.52	2.17	3.08	3.80	3.99	1.27	2.21	7.05	1.13	3.52	36.66
New Brunswick		1.77	3.87	2.49	3.87	3.62	6.97	0.87	3.63	7.34	0.54	3.13	
Newton	3.40	1.24	2.28	1.31	3.94	5.84	4.32				0.93	2.39	
Northfield	2.83	2.19	7.14	2.37	4.36	4.76	7.63	1.48	2.92	6.03	0.20	2.79	44.70
Palisades Park	2.90	1.95	4.05	2.23	3.84	4.90	2.40	2.28	1.73	7.98	0.66	4.03	38.95
Paterson	2.89	2.22	4.24	2.02	4.28	2.93	2.71	0.86	1.41	6.39	0.58	3.94	34.47
Phillipsburg	3.84	1.79	4.09	1.19	3.15	4.55	5.62	4.16	2.28	4.96	0.80	2.55	38.98
Plainfield	3.14	1.91	4.06	2.55	4.89	4.05	6.08	1.12	2.84	6.84	0.40	3.99	41.87
Pleasantville	2.98	2.55	4.68	2.88	3.78	4.71	5.97	1.74	3.20	6.33	0.19	3.52	42.53
Pompton Plains	3.77	2.03	4.55	2.19	4.02	3.98	4.63	3.23	1.90	6.46	0.59	3.87	41.22
Sandy Hook	2.78	2.57	3.54	1.91	3.36	4.03	6.59	2.77	2.25	5.52	0.47	4.00	39.79
Somerville	3.07	1.61	4.25	2.17	4.03	3.93	4.31	2.43	2.65	5.28	0.61	3.68	38.02
South Orange	3.60	1.84	4.48	2.29	4.12	2.80	4.92	1.65	2.09	8.44	0.75	3.72	40.70
Trenton	3.10	1.47	3.45	2.29	2.90	3.15	4.24	2.11	3.89	5.30	1.02	1.55	34.47
Tuckerton	3.13	2.20	6.86	3.54	3.19	3.67	2.39	0.87	6.13	5.51	0.50	3.92	41.91
Vineland	2.77	1.87		3.30	2.08	3.61	4.76	2.64	2.76	8.60	0.25	2.27	
Woodbine	3.90	2.66		2.36	5.00	5.51	5.97	1.40	3.04	7.59	0.31	3.54	
New Mexico.													
Abbott	0.15	0.61	0.38	0.62	3.01	0.74	0.89	3.63	1.38	0.25	0.20	T.	11.86
Agricultural College	0.19	T.	0.01	0.01	0.34	T.	1.31	3.09	0.51	T.	0.12	T.	5.58
Alamogordo (No. 1)	0.34	0.04	0.01	T.	0.63	0.10	0.55	3.06	0.36	T.	0.11	0.00	5.20
Alamogordo (No. 2)	0.53	T.	T.	0.00	0.60	0.40	0.50	3.49	0.10	0.00	T.	0.00	5.62
Alamos Ranch			0.52	0.12	2.41	0.15	1.35						
Albuquerque	0.85	0.73	T.	0.12	0.50	0.18	0.25	0.56	0.60	T.	T.	0.00	3.29
Alma	2.78	0.60	T.	0.45	0.30	0.02	1.75	1.27	1.09	0.00	0.00	0.00	8.26
Ancho	0.62	0.31	0.08	0.10	0.55	0.50	1.85	2.63	1.92	T.	0.30	T.	9.06
Anchor Mine	2.14	1.42	1.86	3.65	5.38	0.58	6.02	4.06	2.03	0.55	0.73	0.49	28.91
Aragon	0.50	0.70	0.08	0.26	0.00	T.	2.20	0.95	1.10	0.00	0.00	0.00	5.79
Artesia	0.15	T.	0.18	0.00	0.27	T.	T.	1.35	1.74	0.00	0.28	0.00	3.97
Aspen Grove Ranch	2.79	2.83	2.27	0.60	3.54	0.10	2.38	1.20	1.08	0.30	T.	0.07	17.16
Aurora	0.20	0.54	0.32	0.78	1.62	0.22	3.29	3.11	2.65	0.56	0.64	0.00	13.93
Aztec	0.77	0.22	T.	0.44	1.04	0.09	0.20	0.05	0.09	T.	0.00	0.00	2.90
Baca Ranch Ranger Station	[1] 0.50	0.47	0.01	0.02	0.95	0.05	1.33	0.29	1.03	0.15	1.38	0.00	12.18
Baldwin Ranger Station	1.51	0.51	T.	0.40	0.05	0.01	3.15	1.72					
Barton	0.73	1.09	0.25	0.42	0.80	0.00	0.48	1.34	1.62	0.00	0.00	0.00	6.53
Bateman's Ranch	1.07	1.51	1.08	1.77	4.60	0.21	1.10	2.11	1.61	T.	T.	0.02	15.08
Bell Ranch	0.44	0.14	0.07	0.32	1.57	0.74	1.04	2.04	0.91	0.10	0.40	T.	7.77
Black Lake	0.22	0.80	0.36	0.60	1.15	0.39	2.61	3.77	1.64	0.14	1.05	0.03	12.16
Blackrock	1.09	0.56	0.11	0.68	1.19	0.07	1.55	0.24	0.77	0.12	0.00	T.	6.38
Bland (near)	0.78	1.00	0.49	T.	2.76	0.02	0.87	2.50	2.89	0.03	T.	0.00	11.34
Block Ranch Ranger Station	0.50	0.45	0.31	0.07	0.94	0.00	0.31	3.72	1.29	0.05	0.31	0.00	7.95
Bloomfield	0.64	0.12	0.62	0.58	0.84	0.90	0.86	0.58	0.33	0.04	0.00	0.00	4.91
Bluewater		4.00	0.00		1.54	0.03	1.48	0.63	1.40			0.02	
Boas	0.19	0.68	0.02	0.00	2.21	0.00	0.50	4.82	0.43	0.00	T.	0.00	8.25
Buchanan	0.44	0.35	0.20	0.34	1.33	0.52	0.69	3.41	1.95	0.07	0.10	0.06	9.46
Burrachi Ranger Station					1.41	0.03	1.90						

[1] Partly estimated.

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Cabeza	0.44	0.13	0.13	0.13	1.42	0.20	0.51	2.06	1.00	0.31	0.99	0.14	7.46
Cambray	0.48	0.00	0.00	0.00	0.20	0.00	0.71	3.25	1.10	0.00	0.00	0.00	5.74
Campana	0.39	0.07	0.19	0.25	1.79	0.50	0.47	2.78	0.89	0.32	0.46	0.06	8.17
Canyon de Chama						0.00	0.80	1.73	0.77				
Capitan	0.78	0.37	0.01	0.01	0.71	0.82	1.24	4.50	1.23	0.02	0.03	0.00	4.72
Capulin Ranger Station	1.16	1.45	0.50	0.42	1.39	0.25	2.17	1.46	3.37	0.00	0.01	0.00	12.18
Carlsbad	0.20	0.00	0.48	T.	0.64	0.17	0.05	2.19	1.50	0.00	0.50	0.00	5.73
Carrizozo	1.38	0.03	T.	T.	0.40	0.06	0.46	0.51	0.25	T.	0.16	0.60	3.25
Carson Seep Ranger Station	0.62	T.	0.31	T.	0.56	0.04	1.14	2.22	3.50	0.40	1.23	0.00	10.02
Chacon	0.40	0.86	0.37	0.47	4.89	0.15	2.27	3.38	1.84	T.	0.88	0.03	15.54
Chama	2.76	2.15	1.51	1.97	3.17	0.10	1.88	1.15	1.24	0.00	T.	T.	15.93
Cimarron (near)	0.55	0.77	0.09	1.17	2.56	0.74	2.14	2.14	0.47	0.43	0.36	T.	11.42
Clayton	0.35	0.59	0.57	0.70	1.96	0.77	1.82	4.23	1.06	0.28	1.42	0.03	13.78
Cloudcroft	1.58	2.00	0.21	0.14	1.12	0.72	3.40	4.85	0.95	0.04	T.	0.00	15.01
Cloverdale	2.53	0.55	0.00	0.00	0.83	0.00	3.32	1.00	2.40	0.00	0.00	0.00	10.63
Clovis	0.44	0.06	0.07	0.57	1.13	0.00	2.35	1.77	1.10	0.00	0.07	0.00	7.56
Columbus	0.32	0.05	T.	0.00	0.00	0.00	1.04	1.30	1.67	0.00	0.00	0.00	4.38
Corona	0.60	0.83	0.30	0.20	0.92	0.45	0.10	2.52	0.55	0.00	0.11	0.00	6.58
Costilla	0.65	1.00	0.65	0.20	2.15	0.00	1.54	0.73	0.67	0.00	0.00	0.00	7.69
Crown Point	0.65	0.35	0.17	0.35	T.	0.00	0.40	0.35	2.01	0.75	0.00	0.00	5.03
Crozier	0.90	T.	0.00	T.	1.10	0.00	0.88	0.11	0.55	0.00	0.00	0.00	3.54
Cuervo	0.28	T.	0.11	T.	1.15	T.	0.10	0.70	1.10	T.	0.00	0.02	3.46
Cundiyo	0.02	0.40	0.30	0.50	0.74	0.00	1.21	0.89	1.24	0.11	0.06	T.	4.79
Dawson	0.54	0.29	0.17	0.68	2.27	0.07	0.66	1.80	1.53	0.00	0.13	0.00	8.14
Deming	0.47	0.13	0.00	0.00	0.50	0.00	0.40	1.10	0.80	0.00	0.00	0.00	3.40
Demonstration Farm	0.54	0.68	0.15	0.39	0.86	0.12	2.31	1.92	0.81	T.	0.60	0.00	8.38
Des Moines	0.45	0.75	0.42	1.24	2.27	0.21	0.93	2.13	2.10	0.68	0.40	0.15	11.73
Dulce				1.96	2.24	0.30	1.85	1.50				0.00	
Duran	0.61	0.76	0.27	0.15	1.54	0.12	1.69	2.83	2.30	0.00	T.	0.00	10.27
Eagle Rock Ranger Station	0.83	0.45	0.23	0.80	3.09	0.00	2.06	1.03	2.10	0.23	0.04	0.05	10.91
Elephant Butte Dam	0.40	T.	0.00	0.05	0.19	0.04	1.64	2.24	0.97	0.00	0.00	0.00	3.53
Elida	0.18	0.00	0.00	0.28	1.89	0.00	0.20	4.93	0.36	0.00	0.00	0.00	7.84
Elizabethtown	1.33	0.43	0.60	0.69	3.02	0.82	1.85	0.85	0.81	0.12	0.18	T.	10 70
Espanola	1.02	0.62	0.38	0.10	1.20	0.00	0.70	0.41	1.34	0.00	0.08	0.00	5.85
Estancia	0.39	0.79	0.21	0.21	0.88	0.24	0.91	1.27	2.37	0.00	0.46	0.00	7.73
Farmington (near)	0.61	0.12	0.00	0.65	1.06	0.85	0.00	1.00	0.51	0.00	0.00	0.00	4.80
Felix				0.00	0.75	0.00	0.00	3.00	3.00		0.40	0.00	
Fort Bayard	2.45	0.12	0.02	0.59	0.31	0.06	1.24	1.19	1.35	0.21	0.00	0.00	8.04
Fort Stanton	0.49	0.56	0.31	0.08	0.74	0.48	1.59	4.38	0.81	0.00	0.35	0.00	9.79
Fort Sumner	0.72	0.20	0.29	0.22	2.32	0.12	1.37	4.59	1.91	0.18	[1] 0.08	0.00	12.00
Fort Union	0.27	0.28	0.05	0.32	1.50	0.84	3.06	2.20	3.37	0.15	0.47	T.	12.51
Fruitland	0.68	0.15	T.	T.	0.45	0.00	0.30	T.	0.62	0.00	T.	0.00	2.20
Gage	0.41	0.48	0.00	0.05	0.37	T.	1.72	0.59	1.24	0.00	0.00	0.00	4.83
Gallinas Planting Station	0.94	1.90	0.37	0.36	2.53	0.18	5.03	2.80	3.27	0.06	0.83	0.00	18.27
Gallinas Ranger Station	1.33	1.05	0.45	0.49	1.03	T.	1.26	1.94	0.75	0.00	0.30	0.00	8.60
Gila	3.04	0.26	0.00	0.31	0.90	0.02	2.10						
Gila Planting Station	2.44	0.59	0.06	0.76	1.02	0.04	2.35	2.84	2.51	0.16	0.00	0.00	12.77
Glorieta Ranch	0.47	0.05	0.02	0.04	0.83	0.18	3.29	1.08	3.55	0.02	0.00	0.00	9.53
G. O. S. Ranch				0.72	0.87	0.72	4.35	1.36	2.26	0.11	0.00	0.00	
Grogan's Ranch	2.40	0.00	0.00	0.08	0.13	0.34							
Hachita	0.30	0.10	T.	T.	0.05	T.	1.66	0.60	2.44	0.00	0.00	0.00	5.15
Harvey's Upper Ranch	1.60	1.92	0.38	0.93	4.00	0.12	4.07	3.89	5.99	0.38	0.27	0.00	23.55
Hayden (near)	0.56	0.47	0.13	0.33	2.26	0.57	1.14	2.29	1.33	0.01	0.68	T.	9.77
Haynes	0.51	0.38	0.26	0.08	1.26	0.25	1.32	1.33	0.87	0.52	0.00	0.00	6.78
Hermanes	0.79	T.	0.00	0.00	0.98	0.00	1.29	0.92	1.63	0.00	0.00	0.00	5.61
Hermosa	1.26	0.53	T.	0.27	0.61	0.15	1.99	1.22	3.29	0.00	0.00	0.00	9.32
Hobbs	0.11	T.	0.25	T.	0.40	0.93	0.04	2.22	0.75	0.00	0.58	0.00	5.28
Hollene	0.39	0.14	0.10	1.00	1.38	T.	0.23	3.45	T.	T.	0.50	0.05	7.24
Hondo Reservoir	0.12	0.05	0.04	T.	0.80	T.	0.01	4.19	0.38	T.	T.	0.00	5.59
Hood Ranger Station	2.37	0.89	T.	0.73	0.34	0.10	3.05	0.77	1.70	0.17	0.00	0.00	10.12
Hoosier Ranch	0.16	0.18	0.18	0.22	1.30	0.59	0.68	2.79	0.36	0.20	0.45	T.	7.12
Ima	0.30												
Ingleville				0.27	1.93	0.25	0.49	1.17	1.11	T.			
Ione	0.26	0.26	0.17	0.10	2.30	0.25	2.02	3.24	0.97	0.61	0.94	0.00	11.12
Jemez Springs	1.39	0.85	0.08	0.12	2.10	T.	2.23	0.97	1.41	0.10	T.	0.00	9.25
Johnson's Park											0.53	0.00	
Kappus	0.16	0.25	0.25	0.26	2.69	1.31	1.86	5.15	1.11	0.46	0.76	0.00	14.26
Kingston Ranger Station	2.18	0.54	0.22	0.12	0.49	0.08	3.05	2.37	2.63	0.20	0.00	0.00	11.88
Knowles (near)	0.13	T.	0.10	T.	0.53	0.07	0.43	1.11	2.67	T.	0.11	0.00	5.15
Laguna				0.00								0.00	
Lagunita	0.32	0.37	0.22	0.65	1.93	0.04	0.67	2.61	2.13	0.06	T.	T.	9.00
Lake Alice (near)	0.45	0.26	0.24	2.21	2.32	1.30	1.01	2.21	1.55	0.14	3.05	0.25	14.99
Lake Avalon	0.13	0.00	0.14	0.00	0.33	0.66	0.00	0.00	0.70	0.00	0.20	0.00	2.16
Lake Valley	1.21	0.20	0.09	0.01	0.53	T.	0.69	1.26	0.98	0.04	0.00	0.00	5.01
Lakewood (near)	0.06	0.00	0.12	T.	0.12	T.	T.	3.40	1.97	0.00	0.11	0.00	5.78
Lanark	0.07	0.00	T.	0.00	0.11	0.00	0.01	3.27	1.00	0.00	0.00	0.00	4.46
Las Vegas	0.64	0.84	0.13	0.41	1.20	0.38	2.10	1.57	0.85	0.05	0.36	0.00	8.53
Logan	0.23			0.14	1.56	0.70	2.50	4.37	1.00	0.00	0.73	0.00	
Lordsburg	1.25	0.50	0.00	0.46	1.24	0.26	0.96	0.92	[1] 2.69	0.00	0.00	0.00	8.28
Los Lunas (near)	T.	0.38	T.	T.	T.	0.00	T.	0.25	1.52	0.00	0.00	0.00	2.15
Loving											0.85	0.00	
Lulu			0.00	0.00	0.06	0.00	0.11	2.06					
Luna	[1] 2.50	1.75	0.01	0.05	0.25	0.37	3.79	1.46	2.12	0.00	0.00	0.00	12.30
Lykins (near)	0.62	T.	T.	0.70	2.43	0.00	0.35						
Magdalena	0.53												
Maxwell (near)	0.13	0.28	T.	0.38	2.01	0.48	1.30	2.45	0.88	0.06	0.61	0.00	8.58
Mayhill Ranger Station	[1] 1.22	0.29	0.04	0.05	0.80	0.40	3.00	8.12	3.16	0.10	1.10	T.	18.28
Meek	1.20	0.72	0.57	0.26	1.43	0.00	1.47	3.66	4.31	0.04	3.96	0.00	17.62
Melrose	0.90	0.08	T.	1.08	1.54	T.	1.06	2.01	0.55	0.00	0.08	0.00	7.30
Miami Ranch	0.12	0.54	0.05	0.79	3.78	0.88	1.80	4.39	0.85	0.45	0.53	0.12	14.30
Mills (No. 1)	0.26	0.54	0.26	T.	2.36	1.19	0.18	2.84	0.89	0.54	0.60	T.	9.66
Mills (near)	0.32	0.44	0.20	0.29	2.05	1.06	1.33	2.40	1.13	0.20	0.79	0.19	10.31
Mimbres	2.31	0.41	0.05	0.37	0.45	0.43	3.20	2.47	1.71	0.78	0.00	0.00	12.18
Mineral Hill	0.88	1.33	0.28	0.70	1.40	0.80	1.77	3.63	3.74	0.07	0.15	0.00	14.75
Mogollon Ranger Station	2.81	0.99	T.	0.62	0.70	0.28	3.92	1.21	1.74	0.00	0.00	0.00	12.27

[1] Partly estimated.

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Montoya	0.16	0.20	0.30	0.09	1.66	0.51	0.03	3.45	1.40	T.	1.03	0.07	8.90
Moriarty (near)	0.25	0.59	0.11	0.20	0.66	0.12	0.39	1.63	4.09	0.00	0.00	0.00	8.04
Mosquero	0.42	0.35	0.12	T.	1.50	0.69	0.88	4.60	0.47	0.27	0.95	0.02	10.77
Mountainair	0.63	1.74	0.27	0.53	0.97	T.	3.01	2.37	1.28	T.	T.	0.00	10.80
Mountain Park	1.58	0.49	T.	0.17	1.60	0.26	5.90	4.87	1.44	T.	0.25	0.00	16.47
Nara Visa	[1] 0.21	0.67	0.54	0.15	2.37	0.74	1.38	4.20	1.83	0.31	0.47	T.	12.87
Newman	T.	0.00	0.00	0.00	T.	0.00	0.43	3.25	1.20	0.00	T.	0.00	4.88
Nogal (near)	2.53	1.65	0.35	0.65	1.26	0.52	0.76	4.72	1.80	0.00	0.63	0.00	14.87
Noria	0.33	0.00	0.02	0.00	0.35	0.54	0.21	2.90	0.41	0.00	0.00	0.00	4.76
Orogrande	0.06	T.	0.25	0.00	0.13	0.00	0.86	2.84	T.	0.00	T.	0.00	4.24
Oscura (No. 1)	0.62	0.07	0.00	0.00	0.47	0.17	0.59	1.68	0.13	0.00	0.31	0.00	4.04
Oscura (No. 2)	0.63	0.04	0.02	0.00	0.35	0.16	0.29	1.47	T.	0.00	0.30	0.00	3.26
Palma	0.36	0.62	0.22	T.	1.00	T.	1.01	1.26	1.48	T.	0.20	0.00	6.15
Palo Verde	0.18	0.44	0.19	0.28	2.12	1.26	1.43	4.26	1.10	0.31	0.45	0.05	12.07
Pasamonte	0.38	0.43	0.49	0.61	1.59	0.73	1.19	2.85	0.00	0.00	0.00	0.00	8.27
Pastura	0.28	0.55	0.12	0.08	1.21	T.	0.10	1.75	1.12	0.00	T.	T.	5.21
Pearl (near)	0.55	0.01	0.05	0.00	0.38	0.00	0.36	2.49	1.58	0.00	0.46	0.00	5.88
Pecos	.....	0.59	0.14	0.49	1.06	0.01	1.00	.....	1.74	.....	T.	0.00	.....
Perea	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pinon (near)	0.78	T.	0.07	T.	0.16	T.	.....	7.02	.....	.....	.....	.....	.....
Pinos Altos (near)	3.02	1.73	0.11	0.90	2.26	0.15	2.63	4.51	2.69	0.25	0.00	0.00	18.25
Pleasant View	0.30	0.57	0.18	0.34	1.03	0.69	0.53	3.11	0.70	0.31	0.50	0.02	8.28
Portales (near)	0.54	0.08	0.02	0.21	1.19	T.	1.19	3.77	0.38	T.	0.02	T.	7.40
Quemado	.....	.....	.....	.....	.....	.....	2.94	2.24	0.55	0.05	.....	.....	.....
Raton (near)	0.43	0.35	0.20	1.09	1.33	1.54	0.71	2.59	4.93	0.17	1.82	0.10	15.26
Red River Canyon	1.29	0.31	1.31	2.37	3.70	1.16	4.55	1.58	1.12	0.25	0.33	T.	17.97
Red Rock	2.98	0.46	T.	0.48	1.29	T.	1.84	1.11	1.02	0.00	0.00	0.00	9.18
Regina	0.37	0.37	T.	0.50	1.25	0.40	2.10	1.30	4.45	0.30	T.	0.00	11.04
Richland (near)	0.24	0.00	T.	0.00	0.93	0.00	0.44	3.88	2.00	0.00	0.35	T.	7.84
Rincon	.....	.....	.....	0.16	.....	.....	1.34	1.19	0.26	0.00	0.00	0.00	.....
Rociada	1.28	0.64	0.16	0.51	2.88	0.33	1.81	1.33	1.23	0.00	0.60	0.00	10.77
Rodeo	1.96	0.12	0.00	T.	1.07	T.	5.10	0.40	0.80	T.	0.00	0.00	9.45
Rio Grande Industrial School	0.22	0.60	T.	0.00	0.33	0.19	0.79	0.40	0.69	0.01	0.00	0.00	3.23
Rosedale	0.70	0.37	T.	T.	0.60	T.	2.26	3.58	2.47	0.17	0.00	0.00	10.15
Roswell	0.19	0.26	0.29	0.00	0.97	T.	0.07	3.25	1.11	0.01	0.06	0.00	6.21
Roy	0.85	0.41	0.37	0.62	2.88	1.01	1.68	3.78	0.70	0.41	0.45	0.06	13.22
Saint Vrain (near)	0.70	0.08	0.08	0.63	2.38	0.06	2.84	3.54	0.64	0.00	0.12	T.	11.07
San Antone Ranger Station	[1] 1.37	1.62	0.59	0.59	1.12	T.	1.03	1.61	0.85	0.01	T.	T.	8.59
San Jon	0.30	0.03	0.16	0.20	2.14	0.79	1.49	2.23	1.90	0.11	0.19	0.02	9.56
San Marcial	0.65	T.	0.00	0.10	0.30	0.10	0.70	0.30	1.10	0.00	0.00	0.00	3.25
Santa Fe	0.55	0.23	0.27	0.15	0.84	0.06	0.45	1.37	0.64	0.19	0.26	0.02	5.03
Santa Rosa (No. 2)	0.65	T.	T.	T.	1.85	0.09	0.00	2.86	2.57	0.04	T.	T.	8.06
Schuster Spring Ranger Station	1.65	0.92	0.70	1.95	1.28	T.	0.65	0.85	2.75	0.30	T.	0.10	11.15
Senorito (near)	1.38	0.50	0.34	0.80	1.87	0.15	3.83	1.28	[1] 2.98	0.00	T.	0.00	13.13
Silver City	2.04	0.51	0.05	0.49	0.97	0.12	1.21	3.10	2.06	0.04	0.00	0.00	10.59
Skeleton Canyon Ranger Station	.....	0.85	0.02	0.63	0.86	0.38	1.79	2.68	.....	0.00	0.00	0.00	.....
Socorro	0.58	0.28	0.14	0.16	0.48	0.00	0.35	0.94	1.73	0.03	0.00	0.00	4.69
Soham	0.54	0.72	0.64	0.21	1.13	0.13	2.13	3.19	1.32	0.04	0.30	0.00	10.35
Solano (No. 1)	0.56	0.57	0.28	0.33	2.45	0.60	1.65	3.65	0.53	0.22	1.12	T.	11.96
Solano (No. 2)	0.60	0.47	0.33	0.30	2.53	0.94	1.69	4.60	0.53	0.31	1.50	0.02	13.82
Springer	0.10	0.83	0.01	0.42	3.28	1.30	1.24	4.35	.....	0.08	.....	0.02	.....
Stanley	0.42	0.50	0.00	0.17	1.15	0.75	0.40	1.59	2.62	0.00	T.	0.00	7.60
Tajique (near)	2.11	4.46	1.22	1.80	1.78	0.20	1.14	1.95	1.96	.....	.....	.....	.....
Taos	0.86	0.28	0.55	1.06	2.33	0.15	2.14	0.53	0.34	0.26	0.21	T.	8.71
Taos Canyon	0.93	0.44	0.62	1.71	2.71	0.18	2.51	1.50	1.30	0.23	0.06	0.02	12.21
Taos Junction	.....	.....	.....	.....	.....	0.00	.....	1.48	0.99	0.00	T.	.....	.....
Taylor	0.26	1.46	0.32	0.51	2.96	1.22	1.53	3.90	1.34	0.39	0.10	0.00	13.99
Tecolote	2.73	1.90	0.55	0.15	0.73	0.09	1.94	2.72	0.74	0.00	0.12	0.00	10.77
Texico (near)	0.30	T.	0.10	0.50	0.86	0.00	4.44	3.57	0.99	0.00	0.17	0.00	10.93
Three Rivers	0.55	0.19	0.00	0.00	0.39	T.	1.08	0.94	0.08	0.00	0.17	0.00	3.40
Tijeras Canyon	0.79	1.10	0.12	0.50	0.70	0.21	2.99	1.24	1.22	T.	0.06	T.	8.93
Tohatchi	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.00	.....
Torrance	0.53	0.53	0.32	0.04	1.80	0.20	0.72	5.77	0.29	T.	0.00	0.00	10.20
Trementina	0.94	0.10	0.26	0.27	1.30	0.45	1.90	4.23	1.33	0.31	0.65	T.	11.74
Tres Piedras	0.85	1.58	0.07	.....	.....	.....	.....	1.01	1.03	0.02	0.12	T.	.....
Trujillo (near)	0.87	0.31	0.09	0.05	1.80	0.46	2.44	3.52	3.19	0.00	0.58	.....	.....
Truchas	0.42	0.53	0.63	0.99	1.18	0.00	1.50	0.77	0.98	0.30	0.09	T.	7.39
Turney's Ranch	0.47	T.	T.	0.02	0.39	0.05	0.57	1.52	0.25	0.11	0.16	0.00	3.54
Tucumcari (near)	0.58	0.11	0.12	0.32	1.82	0.90	0.74	6.11	2.74	0.16	0.62	0.04	14.26
Tucumcari (No. 2)	1.05	0.21	1.09	0.03	0.90	0.30	0.90	6.49	2.89	0.23	0.25	.....	.....
Tularosa	0.25	0.10	0.00	0.00	1.00	0.00	0.05	3.72	0.15	0.00	0.30	0.00	5.57
Tyrone	1.02	1.12	0.00	0.75	0.84	0.75	0.25	3.45	0.30	0.05	0.00	0.00	8.53
Valley	0.06	0.21	0.02	0.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
Valmora	.....	.....	0.22	0.21	1.79	0.53	2.15	3.90	1.67	0.14	0.30	0.30	.....
Vance (near)	0.28	0.30	0.50	0.69	1.60	1.74	1.56	2.49	1.30	0.06	0.88	T.	11.60
Vaughn	0.60	0.50	0.10	0.12	0.70	T.	1.12	3.15	2.83	0.00	T.	0.00	9.12
Vermejo Park	0.60	0.50	0.54	1.66	1.33	0.08	2.21	1.74	1.02	0.20	0.24	0.28	10.40
Virsylvia	0.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wagon Mound (near)	.....	0.54	0.13	0.64	2.17	0.83	0.76	4.31	1.43	0.03	0.32	.....	.....
Weed Ranger Station	1.29	0.42	0.11	0.00	0.90	0.23	1.74	7.85	1.79	0.00	1.04	0.00	15.37
Whitetail	1.25	0.71	0.17	0.27	1.54	0.37	4.44	6.74	2.67	0.03	0.26	T.	18.45
Willard	0.28	0.27	0.13	0.27	0.71	0.05	1.31	2.43	1.93	0.00	0.04	0.00	7.12
Winsor's Ranch	1.43	1.57	0.15	0.71	2.73	0.20	4.91	2.43	2.07	T.	1.02	T.	17.22
New York.													
Adams Center	4.46	4.52	3.64	3.85	4.19	5.15	2.39	2.61	3.16	11.93	3.20	5.20	54.30
Addison	1.34	0.59	1.79	1.45	3.52	6.47	6.17	6.93	1.80	5.90	0.49	1.23	37.58
Albany	1.67	2.41	3.14	1.38	2.83	3.00	1.70	2.70	1.36	5.63	0.93	1.91	28.66
Alfred	1.54	1.27	2.57	1.50	3.85	6.32	6.92	5.00	3.07	7.20	0.53	1.13	40.90
Amsterdam	2.45	2.33	2.94	1.32	4.05	7.52	3.60	4.05	1.49	5.62	1.36	1.80	38.53
Angelica	1.74	1.52	2.18	.....	3.56	4.96	3.88	3.54	2.62	7.18	0.66	.....	.....
Appleton	2.48	1.58	1.40	2.79	2.59	5.68	4.64	1.53	1.15	6.07	0.86	0.82	31.59
Athens	2.89	1.94	2.84	1.42	3.65	3.70	1.83	5.15	1.07	5.33	0.40	2.26	32.48
Auburn	2.13	2.30	2.21	2.76	3.52	5.69	3.93	3.15	2.70	4.75	0.85	2.57	36.56
Avon	1.06	1.19	0.77	2.07	3.08	3.17	3.89	2.76	3.17	4.95	0.72	0.79	32.53

[1] Partly estimated.

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New York—Continued.													
Bainbridge	1.49	1.05	2.24	2.02	4.20	7.58	3.33	4.30	1.37	7.42	0.70	1.32	37.02
Ballston Lake	2.33	2.47	2.24	1.47	3.27	4.21	3.45	3.26	1.25	5.90	1.43	3.00	34.33
Bedford Hills	3.57	1.95	4.63	.....	4.79	.....	.....	2.46	1.10	.....	T.	.....	.....
Beerston	2.91	1.14	2.05	1.01	3.42	7.73	4.04	5.17	1.57	8.65	0.37	2.66	41.22
Binghamton	2.36	0.81	1.89	0.99	3.15	6.63	3.55	7.50	0.94	5.95	0.81	1.69	36.27
Bolivar	2.15	3.61	3.11	1.69	4.92	5.33	8.48	4.00	2.55	9.71	0.71	2.38	48.64
Boyds Corners	2.98	1.99	4.20	1.66	4.00	3.21	2.92	2.93	0.89	6.60	0.66	3.23	35.27
Brockport	3.35	1.79	.....	3.09	5.13	.....	6.08	2.00	1.92	5.83	1.15	1.86	.....
Buffalo	2.79	1.97	2.69	2.45	2.88	5.28	4.46	1.86	2.29	6.90	1.17	3.93	38.67
Canisius College	3.13	1.76	2.62	2.58	2.72	5.57	4.76	.....	.....	8.21	1.45	.....	.....
Canton	3.33	1.63	1.98	1.92	2.28	3.58	2.23	4.50	2.02	5.64	1.74	1.76	32.61
Cape Vincent	2.62	1.48	2.32	2.94	2.83	3.97	1.59	1.26	1.61	6.92	1.47	1.76	30.77
Carmel	2.51	2.10	3.49	1.63	3.87	2.95	2.46	1.98	0.94	6.25	0.70	2.90	31.78
Cazenovia	2.89	2.69	3.59	3.37	5.99	9.16	2.47	5.05	2.21	7.78	1.49	2.90	49.59
Chatham	1.67	.....	2.77	1.81	2.77	4.05	1.99	4.49	0.91	5.43	0.40	2.72	.....
Chazy	0.95	0.15	0.90	1.45	1.86	3.09	5.73	4.15	3.79	3.40	0.73	1.37	27.57
Cooperstown	3.75	2.19	3.14	1.81	3.86	9.96	7.97	4.98	2.01	8.34	1.52	1.50	51.03
Corinth	3.85	2.82	3.43	1.59	3.11	8.03	1.74	4.76	1.58	8.11	1.91	2.51	43.44
Cortland	2.41	1.51	1.98	2.17	4.23	8.66	4.82	5.17	4.12	5.54	1.15	2.28	44.02
Cutchogue	3.67	1.72	6.02	4.03	3.11	4.26	4.11	2.25	3.31	6.13	0.16	2.67	41.49
Dannemora	4.10	3.28	4.10	2.73	3.22	4.49	5.60	3.66	3.95	4.70	1.39	2.02	43.24
Dansville	.....	.....	.....	.....	.....	.....	4.61	2.59	2.42	4.87	0.45	.....	.....
De Ruyter	2.63	2.30	2.56	1.17	4.77	8.71	3.04	6.47	2.31	7.23	1.17	3.99	46.35
Elba	3.95	4.50	3.20	2.76	4.28	5.62	4.01	2.04	2.90	6.27	1.50	.....	.....
Elmira	1.94	0.53	1.75	1.08	3.60	6.47	4.79	7.33	2.07	4.55	0.24	1.28	35.63
Farmingdale	2.13	1.60	7.49	.....	.....	2.43	4.31	3.49	2.34	4.80	0.31	2.52	.....
Fayetteville	1.22	1.13	2.11	1.64	4.40	5.46	3.94	2.85	1.61	5.81	0.86	2.88	33.91
Fishs Eddy	3.93	.....	.....	.....	.....	.....	.....	.....	1.15	.....	.....	.....	.....
Flushing	2.65	1.89	4.89	2.76	3.82	5.62	2.89	1.40	2.87	6.66	0.52	5.45	41.42
Fredonia	1.46	1.90	2.63	3.45	4.31	7.14	2.80	2.94	1.61	8.86	1.19	1.65	39.94
Gabriels	3.65	2.83	2.98	2.68	3.06	6.04	1.99	3.17	3.39	6.02	0.69	1.80	38.30
Geneva	1.97	1.90	2.77	2.92	3.74	7.07	3.16	1.99	1.82	4.37	0.71	3.08	35.45
Glens Falls No. 1	3.84	1.74	2.91	1.55	2.87	5.80	1.78	3.70	1.28	7.04	1.78	2.60	36.89
Glens Falls No. 2	3.82	2.07	2.74	1.35	2.93	5.05	1.88	4.71	1.61	7.15	1.75	2.42	37.48
Gloversville	3.49	3.47	4.06	1.77	4.89	7.07	3.53	1.68	1.53	6.34	1.69	2.46	42.48
Greenfield Center	1.89	1.63	2.00	1.55	2.86	5.86	2.08	2.48	1.33	6.26	1.95	3.52	33.41
Harkness	1.46	0.90	1.27	2.30	1.93	3.75	1.39	3.18	4.96	4.04	0.52	1.92	27.62
Haskinville	0.80	1.13	1.81	2.28	3.84	6.31	6.64	6.13	4.00	4.97	0.36	1.67	39.94
Hemlock	1.26	0.97	1.51	1.53	2.50	3.75	5.83	2.33	3.71	5.79	0.46	1.01	30.65
Homestead Sanatorium	3.30	2.27	3.08	1.81	3.72	7.59	2.58	4.22	1.61	.....	2.21	2.20	.....
Hoosick Falls	.....	1.40	.....	1.56	.....	3.79	2.85	4.00	0.83	4.73	1.01	1.76	.....
Hunt	1.51	1.27	1.42	1.62	4.06	5.08	5.31	2.66	3.31	7.36	0.33	1.02	34.95
Indian Lake	3.56	1.21	2.65	2.65	5.07	7.61	.....	4.17	1.90	8.33	0.64	2.35	.....
Ithaca	1.82	0.70	1.59	1.83	4.41	7.35	3.25	8.45	2.22	4.84	0.64	2.48	39.58
Jamestown	.....	.....	.....	.....	.....	.....	4.27	3.76	1.59	6.25	1.30	1.77	.....
Jeffersonville	2.94	2.08	3.63	1.09	2.95	7.19	5.43	6.54	1.17	5.66	1.31	1.43	41.42
Keene Valley	3.05	1.79	3.48	1.29	3.55	5.76	0.59	3.82	3.23	7.49	.....	.....	.....
Lake George	3.51	2.21	3.61	2.44	4.73	11.96	6.90	3.98	1.90	8.54	1.25	2.93	53.86
Lake Placid Club	5.63	3.49	4.94	4.39	4.13	4.49	0.65	2.15	3.99	4.54	0.72	1.61	40.73
Lauterbrunnen	0.58	0.66	.....	1.12	4.10	5.43	4.79	2.97	3.09	6.89	0.82	1.65	.....
Liberty	2.84	1.92	3.20	2.88	6.20	8.30	.....	7.74	.....	.....	.....	1.28	.....
Little Falls	2.47	1.85	3.34	1.27	4.22	9.06	3.98	3.50	2.04	5.64	0.80	2.05	40.22
Lockport	2.50	1.44	.....	3.62	4.23	6.05	6.22	2.43	2.04	7.28	0.74	1.24	.....
Lowville	3.35	2.42	1.81	2.60	3.75	4.68	1.95	3.57	1.87	7.32	0.84	3.18	37.34
Mechanicsville	1.85	1.59	2.17	1.39	3.39	5.09	2.13	3.27	1.19	6.85	0.92	1.44	31.28
Medford	2.30	1.98	5.03	2.94	3.00	1.97	5.45	5.18	2.74	5.68	0.76	1.82	38.85
Mohonk Lake	4.21	3.08	4.95	2.05	2.76	4.37	2.88	2.04	0.64	3.16	1.20	3.80	35.14
Moira	6.48	2.83	2.63	1.18	3.23	3.21	1.89	3.80	2.07	3.88	1.66	1.80	34.66
Morrisville	1.73	1.53	1.84	3.50	5.90	10.14	3.76	6.39	2.13	6.50	0.65	3.44	47.51
Mount Hope	3.25	3.51	4.55	2.58	4.43	.....	2.73	3.97	1.43	7.53	0.75	4.11	.....
Mount McGregor	4.08	1.94	4.09	1.78	3.39	8.08	1.41	4.65	1.48	7.44	1.91	4.22	44.47
Mount Vernon	3.18	2.39	5.24	2.66	3.92	3.44	2.78	1.17	1.80	6.45	1.71	4.97	39.71
Newark Valley	2.36	0.79	1.80	1.58	4.19	6.42	7.11	8.59	2.14	.....	1.08	3.29	.....
New Berlin	2.60	1.21	1.85	1.99	4.49	7.91	5.49	6.63	2.21	5.88	.....	1.61	.....
New Lisbon	2.53	1.54	1.87	1.68	3.54	8.04	6.10	4.56	1.85	7.20	0.83	1.61	41.35
New York City	2.44	1.70	3.38	2.35	3.29	5.57	5.96	1.79	2.74	5.68	0.68	3.70	39.28
North Lake	4.87	3.16	5.08	2.84	5.22	9.78	1.55	4.10	2.90	9.21	1.58	3.41	53.70
Northville	4.17	2.73	3.56	1.83	4.06	7.22	1.85	2.93	1.43	7.17	1.56	2.61	41.12
Norwich	2.77	1.57	2.47	1.94	4.10	8.82	5.22	5.91	2.30	6.26	0.80	2.67	44.83
Ogdensburg	3.09	1.70	1.98	2.42	2.13	3.61	2.36	4.44	1.10	6.08	1.50	.....	.....
Olean	2.46	1.44	3.50	2.27	5.25	6.01	4.95	4.47	1.45	8.24	0.90	1.87	42.81
Oneonta	3.12	1.69	1.73	2.06	3.72	9.13	5.27	6.13	0.86	7.93	0.63	2.25	44.52
Oswego	2.42	1.52	2.02	3.21	3.20	3.79	1.49	2.05	1.72	4.90	1.34	1.02	28.68
Palermo	3.34	2.91	1.80	2.43	2.26	3.12	2.21	1.78	1.29	4.59	1.54	2.57	29.84
Penn Yan	.....	.....	.....	.....	5.46	4.36	2.99	3.28	.....	5.01	0.73	2.87	.....
Perrysburg	2.98	2.65	4.07	2.15	4.55	6.47	3.15	2.65	3.19	8.86	1.56	2.57	44.95
Philadelphia	3.39	1.76	2.57	3.43	3.84	5.29	2.39	3.67	2.48	7.08	1.44	3.43	40.71
Port Jervis No. 1	2.93	1.51	3.49	1.49	3.54	5.57	2.56	1.36	0.97	5.99	0.70	3.14	33.26
Port Jervis No. 2	2.59	.....	.....	.....	.....	.....	.....	.....	0.70	.....	.....	.....	.....
Raquette Lake	4.82	2.43	3.93	1.97	4.51	7.30	2.09	4.85	4.48	7.55	1.70	3.45	49.08
Rhinebeck	3.24	3.29	2.77	1.84	3.24	3.76	2.24	5.08	0.78	5.36	0.94	1.93	34.37
Rochester	3.04	1.67	2.96	2.80	3.16	6.40	4.23	2.51	1.52	4.99	1.14	2.47	36.89
Rome	3.14	2.53	3.15	2.81	4.36	8.06	2.77	5.95	1.58	6.04	1.39	.....	.....
Romulus	1.34	0.95	1.46	1.48	3.07	.....	2.73	2.04	1.33	4.99	0.62	1.55	.....
Roslyn	3.38	2.44	5.35	2.63	3.69	4.10	.....	2.18	2.32	6.83	0.86	3.90	.....
Roxbury	2.65	1.74	2.54	1.85	3.77	6.95	3.14	6.58	1.62	8.15	1.14	2.28	41.41
Saltsbury	2.89	1.96	3.46	3.09	6.02	8.55	4.48	7.09	1.66	7.51	1.14	3.16	51.01
Scarsdale	3.25	2.55	4.75	2.40	4.60	2.73	2.99	2.50	1.21	7.13	1.63	2.55	38.29
Setauket	3.18	1.81	5.79	2.65	4.22	2.75	2.92	2.03	1.93	5.42	0.43	3.15	36.28
Sharon Springs No. 1	2.66	3.06	3.09	2.02	4.06	6.78	4.20	2.82	1.53	6.68	0.73	1.90	38.55
Sharon Springs No. 2	3.10	1.67	3.13	1.52	3.43	6.62	4.62	2.82	1.20	6.71	0.62	2.89	38.18
Sherburne	1.48	1.39	1.97	1.37	.....	.....	3.40	6.29	1.28	7.54	0.95	1.39	.....
Shortsville	1.32	1.16	1.13	2.74	3.35	8.20	4.09	1.61	2.70	4.94	0.58	1.45	34.07
Skaneateles	2.05	2.48	2.99	.....	4.18	5.52	3.19	2.86	2.74	7.11	1.32	3.71	.....
Southampton	3.14	2.52	6.59	3.19	2.65	2.95	3.33	1.92	3.64	4.87	0.21	2.15	36.70
Southeast Reservoir	2.59	2.34	3.63	2.09	3.91	3.12	3.57	2.22	0.98	6.62	0.70	3.99	35.76

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New York—Continued.													
Spier Falls	3.01	1.91	3.04	1.54	3.17	6.37	2.14	4.41	1.07	7.29	2.13	2.88	38.96
Syracuse	2.45	2.73	2.42	2.27	3.65	4.46	1.80	2.88	1.50	4.67	0.91	4.03	33.77
Trenton Falls	2.30	1.37	3.87	1.69	3.90	8.29	3.63	4.84	2.03	9.53	1.02	3.26	45.73
Tribes Hill	2.87	2.65	4.65	1.88	4.31	7.85	3.91	4.38	1.15	7.03	1.70	2.80	45.18
Troy	2.57	1.82	2.14	1.45	2.63	3.23	1.78	3.63	1.50	5.75	0.72	1.76	27.98
Utica	2.60	2.52	2.86	3.30	5.09	9.52	3.79	3.71	2.12	6.45	0.70	1.34	44.00
Volusia	1.70	2.29	2.47	2.92	5.28	5.93	4.04	3.14	2.81	8.79	1.14	2.10	42.61
Wanakena	3.29	3.35	5.14	.....	.....	.....	.....	.....	3.28	7.09	1.41	2.22	.....
Wappinger Falls	3.49	3.48	2.84	1.62	4.10	5.13	2.72	4.48	0.70	5.53	0.52	2.60	37.21
Warwick	2.96	1.73	2.76	1.22	3.32	3.64	3.90	4.51	1.34	6.60	0.44	2.92	35.34
Watertown	3.20	2.01	2.02	3.81	3.62	4.39	2.51	2.18	2.08	7.92	1.51	2.31	37.56
Wedgwood	1.71	0.60	1.91	1.40	4.51	6.71	4.87	5.65	2.20	5.30	0.64	1.38	36.88
West Berne	2.30	1.59	2.12	.....	4.42	4.52	2.25	5.27	1.17	6.58	1.25	2.14	.....
Westfield	2.50	4.63	3.98	2.10	5.62	7.32	3.38	.....	2.75	9.74	0.68	4.04	.....
West Point	2.12	2.31	6.21	1.32	3.34	2.38	3.70	4.35	1.36	5.94	0.43	3.07	36.53
York	1.79	1.11	1.40	1.84	4.11	5.86	3.35	2.42	2.32	5.51	0.63	0.80	31.14
North Carolina.													
Albemarle	3.53	3.94	6.29	3.17	3.20	4.87	5.36	4.20	5.47	2.16	1.56	1.99	45.74
Altapass	4.39	5.57	6.25	4.15	1.40	3.32	8.36	6.24	1.44	2.58	0.10	1.00	44.80
Andrews	8.64	8.94	19.39	3.78	3.76	7.52	4.93	3.76	.....	.....	.....	.....	.....
Asheville	2.58	2.21	5.76	2.80	1.30	4.43	3.84	4.58	4.42	1.81	0.27	1.48	35.48
Banners Elk	4.29	2.56	7.08	4.28	2.04	3.09	6.58	2.58	3.38	4.65	0.30	2.05	43.88
Beaufort	3.99	0.81	3.89	1.93	1.74	7.94	6.44	4.46	11.03	3.30	1.75	2.70	49.98
Belhaven	3.80	1.53	2.60	1.70	1.63	9.15	6.91	3.55	12.95	2.25	1.10	2.00	49.17
Brevard	4.28	3.96	12.99	4.63	4.17	2.56	8.43	6.63	7.11	.....	0.50	1.47	.....
Brewers	3.62	2.10	6.07	3.00	2.11	3.13	8.33	2.95	4.02	4.10	0.47	1.62	41.61
Bryson City	7.04	7.12	16.12	4.89	3.06	7.27	5.42	3.46	4.25	2.06	0.91	1.60	63.20
Caroleen	2.98	5.15	8.57	4.13	2.56	2.25	.....	5.57	6.31	1.65	0.37	1.44	.....
Chapel Hill	4.32	3.34	7.48	3.39	3.42	8.43	.....	.....	.....	.....	1.90	.....	.....
Charlotte	3.08	3.78	6.42	2.54	2.45	4.70	5.85	4.84	3.29	1.95	0.75	1.69	41.34
Chimney Rock	3.01	3.79	6.95	1.26	1.55	1.39	8.33	2.58	6.28	3.21	0.92	1.76	41.03
Cullowhee	5.83	6.50	11.94	2.80	2.13	5.86	3.62	4.00	5.42	2.21	0.74	1.98	53.03
Durham (near)	3.85	3.07	7.06	2.92	3.15	7.27	6.87	2.32	3.52	2.08	1.45	2.31	46.47
Eagle Nest	.....	.....	.....	.....	.....	4.92	4.72	2.68	.....	.....	.....	.....	.....
Eagletown	4.31	3.22	4.88	4.06	3.31	7.33	10.11	6.23	9.14	4.20	0.64	2.81	60.24
Edenton	4.25	1.80	2.74	4.26	3.30	8.40	13.10	4.90	11.50	2.50	1.00	3.81	61.56
Elizabeth City	4.06	2.33	4.51	4.35	3.11	9.00	10.32	5.50	8.22	3.20	0.90	3.47	58.97
Elizabethtown	4.78	2.06	3.97	3.15	3.00	11.38	9.15	4.40	12.98	1.04	0.76	3.59	60.26
Elkin	3.29	2.11	6.81	2.57	2.48	3.25	8.31	3.55	6.19	3.45	0.56	1.76	44.33
Ellijay	4.59	5.89	11.89	3.24	2.71	6.61	7.12	6.32	6.17	3.24	0.80	1.79	60.37
Enfield	3.74	2.72	4.33	3.24	3.49	4.67	9.13	1.15	7.49	5.08	0.62	1.87	47.53
Fayetteville	3.52	3.48	2.98	1.49	4.58	8.88	8.47	1.62	7.41	1.22	1.17	1.60	46.42
Goldsboro	3.67	2.91	3.54	3.24	4.67	7.69	7.77	3.49	15.66	1.48	1.45	1.80	57.37
Gorge	3.25	2.23	6.83	3.43	1.73	6.42	8.41	3.18	3.28	4.32	1.17	2.14	46.39
Graham	3.88	3.30	7.36	2.69	3.96	4.78	8.49	3.15	6.13	2.34	1.02	1.61	48.71
Greensboro	4.01	2.89	7.63	3.04	3.28	4.51	7.96	6.55	6.32	2.16	1.08	2.00	51.43
Greenville	3.61	2.06	2.88	4.22	2.68	6.58	11.08	5.49	14.15	2.86	1.25	2.00	58.38
Hatteras	3.12	1.29	2.39	2.08	0.85	8.02	3.83	2.48	14.19	1.23	2.43	3.07	44.92
Henderson	4.44	2.29	7.27	3.17	4.54	4.21	9.54	3.72	3.84	2.73	1.07	2.26	49.08
Hendersonville	4.19	4.23	8.76	3.27	3.40	3.35	5.39	3.97	7.87	3.55	0.30	2.06	50.34
Hickory	3.69	3.81	8.28	3.44	2.42	3.96	4.07	6.19	4.61	3.03	0.31	1.10	44.91
Highlands	7.63	9.13	16.30	4.08	3.82	6.91	10.76	6.34	9.53	5.15	1.10	0.85	81.60
Hot Springs	4.48	2.59	9.81	4.05	2.00	3.74	5.79	5.67	3.66	2.10	0.75	1.76	46.40
Jefferson	4.89	1.75	6.98	3.69	3.21	3.40	4.51	3.58	3.10	3.57	0.48	1.74	40.90
Kinston	4.36	2.29	3.03	3.18	3.01	9.74	9.72	2.00	10.77	3.27	0.77	3.82	55.96
Lenoir	3.73	2.02	7.52	2.85	1.70	4.08	6.51	2.61	4.82	3.19	0.89	1.80	41.72
Lillington	3.47	3.57	4.66	3.20	3.03	5.85	11.52	0.40	4.79	1.45	1.09	1.19	44.22
Lincolnton	3.32	4.83	7.49	4.49	2.28	2.30	4.35	5.69	2.63	1.78	0.23	1.25	40.64
Louisburg	2.19	2.62	6.76	3.90	3.01	7.97	10.48	2.92	5.45	2.97	0.96	1.59	50.82
Lumberton	3.35	2.30	3.41	2.22	3.66	9.28	5.09	1.77	9.05	1.06	1.03	2.90	45.12
Manteo	3.88	1.90	3.46	5.28	2.23	3.92	7.86	2.66	10.83	3.40	1.22	2.62	49.26
Marion	3.45	3.69	7.26	3.53	2.36	4.45	8.31	1.98	6.32	3.33	0.57	2.25	47.50
Marshall	2.21	2.03	7.54	4.49	2.57	2.66	5.00	3.15	6.18	2.17	0.21	1.50	39.71
Moncure	3.71	3.16	4.94	4.29	3.35	6.50	6.77	1.02	5.35	2.72	1.79	1.55	45.15
Monroe	2.67	4.45	4.56	3.92	4.07	6.75	4.46	2.36	4.97	3.94	1.24	1.59	44.98
Montreat	.....	4.26	8.37	3.47	2.28	3.10	6.68	3.50	6.56	3.20	0.40	1.56	.....
Morganton	3.00	3.14	8.47	3.61	2.82	3.76	10.43	2.49	8.43	3.33	0.60	1.95	52.12
Mount Airy	3.32	2.53	5.42	3.75	3.19	5.24	9.83	2.65	3.11	4.57	0.67	1.23	45.51
Mount Holly	4.19	4.98	7.88	3.88	2.73	3.64	6.76	4.07	5.28	2.03	0.67	1.44	47.55
Murphy	7.76	6.77	15.34	3.45	2.13	4.99	5.31	4.21	3.57	2.21	0.58	1.68	58.00
Nashville	3.74	3.41	5.27	4.17	2.79	4.31	8.83	1.99	8.01	4.98	0.55	2.09	50.14
Neuse	3.84	2.98	6.06	3.82	4.00	5.51	9.74	1.95	3.24	3.30	1.20	1.95	47.59
Newbern	4.48	2.13	4.45	4.47	2.27	10.70	10.01	4.18	12.27	1.28	1.27	3.34	60.85
New Holland	5.28	1.93	4.04	5.41	2.80	12.90	8.69	5.52	14.23	4.32	1.04	3.45	69.61
Parker	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.39	0.55	2.35	.....
Pinehurst	3.84	3.45	5.43	4.52	3.18	7.54	12.46	1.87	6.42	5.56	1.76	1.26	57.08
Raleigh	4.09	3.19	5.70	4.92	2.94	5.92	7.82	1.30	5.05	4.30	1.46	1.98	48.67
Randleman	4.70	3.97	8.71	3.05	2.90	4.45	10.32	4.39	4.21	1.93	1.20	2.30	52.13
Reidsville	4.31	2.09	7.36	2.19	3.00	3.34	4.17	3.27	4.89	2.75	1.06	2.49	40.92
Rock House	7.73	7.22	16.74	4.79	3.09	5.53	8.17	7.67	8.23	5.76	0.70	1.62	76.85
Rockingham	4.05	4.38	4.42	5.61	3.20	6.02	8.59	2.47	4.41	1.70	1.95	.....	.....
Rocky Mount	4.17	3.43	5.05	4.00	2.88	3.83	6.44	2.30	5.96	4.87	0.65	1.85	45.43
Rougemont	3.80	2.53	6.85	3.10	3.10	3.65	6.10	1.25	4.40	2.40	0.65	0.45	38.28
Salisbury	3.47	4.32	8.77	2.20	2.97	3.70	5.82	4.13	4.78	2.10	0.89	1.33	44.48
Sanatorium	2.77	2.90	4.10	2.40	2.67	7.91	7.30	2.25	4.90	1.30	1.22	1.47	41.19
Scotland Neck	3.44	2.56	4.97	3.43	2.76	4.19	8.09	3.37	6.21	2.66	0.75	1.70	44.13
Settle	3.25	3.43	9.18	3.59	2.69	3.46	6.91	5.79	3.07	1.87	0.60	1.76	45.60
Siler City	4.36	3.86	6.10	3.40	3.49	5.73	6.78	2.40	3.56	2.36	1.58	1.89	45.51
Sloan	3.85	2.11	3.01	3.67	2.00	15.27	6.39	3.32	13.17	1.26	0.81	2.87	57.73
Smithfield	3.14	2.63	4.33	3.24	3.43	8.64	5.02	2.70	7.67	3.42	0.86	1.85	47.13
Southern Pines	4.00	.....	.....	.....	3.25	9.55	11.82	2.95	7.45	2.55	1.95	2.25	.....
Southport	3.76	1.79	4.17	2.15	3.28	7.86	7.00	1.77	9.25	0.77	0.49	2.53	44.82
Statesville	3.99	3.92	8.19	3.50	2.01	3.98	7.08	7.71	3.29	1.95	0.46	1.61	46.99
Tarboro	3.83	2.58	4.48	4.29	2.77	5.73	9.37	2.25	12.00	3.52	0.74	2.55	53.61

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
North Carolina—Continued.													
Todd									2.00	1.86	1.30		
Tryon	4.36	5.62	10.29	3.55	2.63	2.22	6.57	5.52	9.14	2.80	0.88	1.93	55.51
Waynesville	2.26	2.36	3.75	0.67	1.48	4.14	3.68	3.17		1.49			
Weldon	3.83	2.48	7.35	2.71	4.21	4.46	13.13	1.65	4.61	4.48	1.07	2.09	52.07
Wenona	5.39	1.89	3.56	5.13	2.54	11.09	13.30	5.80	13.46	3.93	1.36	2.09	69.54
Willard	3.35	2.05	4.19	2.24	1.87	14.17	7.80	2.35	12.35	1.48	0.67	1.45	53.97
Wilmington	3.09	1.18	4.00	2.55	2.26	6.97	12.37	2.26	9.28	0.34	0.66	2.45	47.41
Wilson	3.85	2.95	4.58	4.56	2.06	8.22	8.17	1.54	9.33	2.84	0.71	1.77	50.58
Winston-Salem	4.08	3.43	8.46	2.71	2.82	6.34	7.53	3.55	2.80	1.97	1.01	1.51	46.21
North Dakota.													
Alexander	0.66	0.53	0.32										
Amenia	0.45	0.85	0.15	2.21	0.17	2.18	1.57	1.41	1.78	0.48	0.22	0.22	11.69
Ashley	1.20	0.50	1.50	1.76	0.41	1.55	1.98	0.93	0.80	0.30	0.20	1.60	12.73
Beach	0.16	0.10	0.33	0.94	0.50	1.43	0.21	1.49	0.15	0.25	0.06	0.40	6.02
Berthold Agency	0.76	0.90	0.10	2.57	0.10	1.56	1.55	0.61	0.93	0.33	T.	0.40	9.81
Bierman	0.51	1.46	0.67	1.53	2.08	2.44	0.73	0.96	0.05	0.83	0.15	1.14	12.55
Bismarck	0.65	0.44	0.60	1.87	0.26	2.15	1.50	1.37	1.75	0.21	0.04	0.59	11.43
Bottineau	0.39	0.51	0.10	1.43	0.02	1.91	1.87	0.95	0.44	1.15	0.14	0.41	9.32
Bowbells	0.34	0.99	0.38	1.92	0.00	1.76	1.39	1.51	1.44	1.38	0.18	0.58	11.87
Bowman	1.30	T.	0.70	1.63	1.20	1.41							
Buford	0.95	0.30	0.07	1.72	0.21	2.00	0.14	T.	0.92	0.88	0.00	0.08	7.27
Cando	0.10	0.55	0.23	1.33	0.61	2.99	1.83	0.77	0.46	0.87	0.12	0.26	10.12
Carson	0.52	0.11	0.80	1.67	1.30	1.85	1.53	0.20	0.81	0.39	0.09	0.84	10.11
Colgate	0.25	0.51	1.36	0.97	T.	1.90	1.90	1.36	1.84	0.28	0.20	0.45	11.02
Cooperstown	0.50	0.50	T.	1.60	0.00	2.15	1.90	0.10	1.45	0.65	0.30	0.70	9.85
Crosby	0.47	0.47	0.15	1.25	0.13	2.14	0.79	0.92	1.02	1.38	0.02	1.05	9.79
Devils Lake	0.55	0.68	0.30	1.40	T.	1.69	1.60	1.12	0.83	1.32	0.32	0.66	10.47
Dickinson	0.60	0.23	0.48	1.18	0.36	2.54	1.40	1.43	0.20	0.22	T.	0.61	9.25
Donnybrook	0.30	0.25	0.23	1.59	0.00	1.41	1.31	0.69	0.75	2.15	0.03	0.55	9.26
Dunseith	0.30	0.60	T.	2.00	T.	3.61	2.58	0.84	0.43	1.13	0.16	0.55	12.20
Eckman	1.30	1.00	T.	1.61	0.08	2.67	0.97	1.14	0.54	0.98	0.11	0.60	11.00
Edgeley	0.28	0.45	0.30	1.93	0.18	2.90	1.97	1.01	0.89	0.24	0.10	0.16	10.41
Ellendale											0.25	0.91	
Energy	0.25	0.11	0.10	0.95	0.88	0.92	1.38	0.56	0.80	0.33	T.	0.24	6.52
Epping	0.32	0.90	0.22	1.37	T.	1.84	0.83	1.25	0.81	0.98	0.02	0.52	9.06
Fessenden	1.09	1.08	0.65	1.54	0.08	2.97	2.84	0.85	1.96	0.45	0.17	0.95	13.94
Forman	0.34	0.40	0.30	3.08	0.20	2.09	1.30	0.70	3.79	0.50	0.10	0.30	13.10
Fullerton	2.37	1.32	1.45	2.70	0.49	2.55	1.43	0.40	0.78	0.58	0.18	0.77	15.02
Garrison	0.40	1.50	0.24	2.12	0.54	1.09	1.52	0.77	0.82	0.86	0.19	1.12	11.17
Grafton	0.48	0.91	0.14	1.52	0.15	1.82	2.72	0.83	0.69	0.97	0.17	0.65	11.05
Grand Forks	0.68	1.12	0.34	1.37	0.23	1.95	2.84	1.58	0.88	1.15	0.24	1.27	13.65
Grand Rapids	1.50	0.50	1.00	1.85	0.55	6.20	0.50	0.75	2.89	0.30	0.05	0.15	16.24
Granville	0.40	1.45	0.04	0.76	0.17	1.16	1.50	0.58	0.87	0.70	0.15	0.80	8.58
Hannah	1.40	1.00	0.30	0.92	0.09	2.77	3.34	0.52				0.90	
Hansboro	2.80	0.50	0.50	1.98	0.00	2.70	2.95	1.00	0.65	1.05	0.10	0.47	14.70
Hettinger	0.69	0.07	0.40	0.78	1.10	1.72	1.28	0.94	0.09	0.13	T.	0.17	7.37
Hillsboro	0.60	1.40	0.05	2.03	0.18	2.04	2.65	0.25	2.83	1.20	0.20	0.78	14.21
Howard	0.80	0.60	1.17	3.05	0.03	1.75	0.34	0.05	1.15	1.65	T.	0.72	11.31
Jamestown	0.80	0.49	0.30	1.16	0.10	1.30	1.30	1.31	0.43	0.80	0.30	0.45	8.74
Lakota	0.22	1.48	0.20	1.18	T.	1.87	2.24	1.30	1.00	0.66	0.16	0.72	11.09
Lamoine	0.10	0.40	0.10	1.56	0.27	2.13	0.98	0.38	0.51	0.60	0.20	0.10	7.33
Langdon	2.40	1.10	0.30	1.37	0.16	2.67	2.58	1.59	0.77	1.99	0.10	0.25	15.28
Larimore	0.40	1.12	0.10	2.06	0.20	3.45	2.36	0.47	1.04	0.93	0.15	0.40	12.68
Linton									1.44	0.40	T.	0.35	
Lisbon	1.90	0.55	0.42	1.53	0.77	2.46	2.58	3.40	2.67	0.70	0.10	0.12	17.20
McClusky									0.79	0.40	0.10	0.70	
McHenry	1.04	1.59	0.30	1.31	T.	3.32	1.90	0.49	1.53	1.36	0.20	1.28	14.32
McKinney	0.25	0.37	T.	0.70	T.	1.30	0.81	1.08	0.79	1.56	0.20	0.55	7.61
McLeod	0.75	1.30	0.75	4.22	0.33	2.37	2.03	0.46	2.39	1.26	0.20	0.40	16.46
Maddock	0.15	0.66	0.18	2.57	T.	1.85	2.55	0.44	2.17	0.60	0.13	0.51	11.81
Mandan	0.28	0.19	0.35	1.87	0.35	2.56	1.58	0.89	1.97	0.04	0.03	0.19	10.30
Manfred	0.64	0.52	0.24	1.28	0.22	2.74	1.80	1.04	1.58	0.81	0.22	0.62	11.71
Manning			0.27	1.31	0.24	2.68	1.52	0.67	0.40	0.10	0.00	0.15	
Marmarth	0.28	0.64	0.32	1.13	1.96	2.55	0.35	0.44	0.17	0.20	0.11	0.40	8.55
Marstonmoor	0.55	0.60	0.20	1.37	T.	2.15	0.83	0.46	1.62	0.44	0.40		
Mayville	0.75	0.80	0.13	1.98	0.10	2.03	3.36	0.56	2.12	0.62	0.26	0.80	13.51
Melville	0.60	0.50	T.	1.72	T.	2.27	2.30	0.40	1.96	0.70	0.30	0.40	11.15
Milnor	0.78	0.37	0.80	3.17	0.36	2.07	1.39	1.24	2.77	0.75	0.25	0.22	14.17
Minot	0.30	0.70	T.	1.87	0.06	0.97	2.62	1.14	1.24	1.46	0.35	0.96	11.66
Minto	0.51	0.29	0.13	1.51	0.16	2.62	2.19	0.37	0.74	1.55	0.32	0.67	11.06
Mott	1.78	0.83	1.36	1.82	0.79	1.97	2.89	0.21	0.41	0.21	0.09	1.32	13.59
Napoleon	0.25	0.15	0.40	2.27	0.10	1.81	2.08	0.84	1.07	0.40	0.15	0.15	9.67
New England	1.10	0.30	0.60	1.05	0.71	1.64	1.69	0.25	0.12	0.40	0.00	0.90	8.76
New Salem	0.81	0.65	0.72	1.82	0.62	1.47	0.68	0.24	0.68	0.48	0.01	0.83	9.01
Orange	0.60	0.10	0.50	0.97	0.92	1.71	1.04	0.00	0.23	0.40	0.19	0.60	7.26
Oriska	0.95		0.20	1.81	0.03	2.55	1.70	0.12	1.95				
Park River	1.00	1.18	0.90	1.94	0.01	1.87	1.82	0.73	0.68	1.59	0.40	0.51	12.63
Parshall	0.15	0.00	0.00	1.24	0.28	2.34	0.56	0.39	1.26	0.32	0.00	T.	6.63
Pembina	0.70	0.80	0.57	0.24	0.08	3.56	2.64	1.10	0.30	0.48	0.38	0.10	10.95
Powers Lake	1.83	1.10	0.07	1.95	T.	1.98	0.90	1.70	1.42	1.30	0.10	1.08	13.52
Sanish	0.16	0.55	0.55	1.40		2.34	1.26	0.53	0.88	1.38	0.00	0.60	
Searing				1.78	0.09	1.96	0.51	0.88	0.53	0.65	T.		
Steele	1.21	0.43	1.36	2.75	0.04	1.94	1.32	0.74	0.83	0.78	0.41	1.46	13.27
Taylor	1.06	0.45	0.43	1.40	0.53	1.54	1.22	0.60	0.45	0.48	T.	0.79	8.95
Towner	0.45	0.40	T.	1.02	0.27	0.98	1.82	0.78	0.69	0.76	0.05	1.00	8.22
Turtle Lake	0.20	0.40											
Wahpeton	0.56	0.39	0.30	3.02	0.51	1.03	1.36	0.82	2.00	0.57	0.03	0.15	10.74
Walhalla	1.10	0.80	0.25	2.20	T.	2.26	1.55	0.70	0.54	0.99	0.10	0.30	10.68
Washburn	0.60	0.84	0.00	1.10	0.34	0.80	1.55	0.00	0.74	0.13	0.00	0.52	7.22
Watford				2.44	0.27	1.46							
Westhope	0.05	0.25	T.	2.31	T.	1.40	0.98	1.24	0.61	1.38	0.10	0.40	9.22
Williston	0.47	0.67	0.47	1.78	0.08	2.36	0.36	0.21	0.72	1.00	0.01	1.00	8.63
Willow City	1.60	0.75	0.20	1.12	0.10	1.01	3.66	0.28	0.30	0.99	0.20	0.30	10.81
Zap	0.26	0.36	0.21	1.04	0.44	2.05	1.13	0.54	0.82	0.46	T.	0.24	7.55

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Ohio.													
Akron	2.82	0.93	1.75	2.34	3.05	4.25	2.19	2.19	1.67	6.46	0.66	1.08	29.39
Amesville	5.30	2.11	4.77	4.10	4.62	4.46	4.82	2.20	2.82	6.14	0.68	1.27	43.09
Ashland	2.54	1.29	3.54	3.28	3.81	4.70	1.91	2.37	1.48	5.23	0.36	1.11	31.62
Bangorville	3.56	2.15	2.76	3.29	3.24	5.14	3.52	2.56	1.46	4.46	0.79	1.20	34.13
Batavia	4.51	1.59	3.93	3.73	4.44	3.03	4.12	1.84	2.23	3.00	0.63	1.48	34.53
Bellefontaine	2.75	1.50	3.22	2.24	3.25	6.40	6.02	1.86	2.07	5.26	0.41	0.89	35.87
Bellpoint	2.83	0.90	2.63	3.08	3.96	4.24	5.52	2.93	0.97	3.85	0.09	1.32	32.32
Benton Ridge	2.92	1.28	3.16	3.97	4.32	5.42	1.56	3.01	2.44	6.73	.....	.....	.....
Beverly	5.00	2.10	4.45	5.14	3.80	5.51	3.92	2.17	1.01	6.33	0.61	1.19	41.23
Bowling Green	2.51	1.03	3.74	3.70	3.69	5.38	2.28	3.44	1.43	5.51	0.94	1.14	34.79
Brilliant	4.61	.....	3.55	2.38	2.60	3.71	4.07	6.50	1.40	6.70	0.63	1.70	.....
Bucyrus	1.55	1.55	2.48	3.10	3.95	5.28	2.19	3.33	2.05	5.95	1.05	1.90	34.38
Cadiz	4.75	1.19	4.57	2.82	3.02	4.24	4.85	4.81	1.04	6.95	0.77	2.11	41.12
Cambridge	3.84	1.12	3.93	3.45	2.99	5.98	3.72	2.32	1.23	5.96	0.37	1.34	36.25
Canfield	2.33	1.05	1.91	1.97	2.74	5.41	3.63	2.39	2.19	5.74	0.73	1.23	31.32
Canton	3.36	1.81	3.62	2.55	4.12	6.01	3.03	3.13	2.49	5.14	0.50	1.32	37.08
Cardington	.....	.....	.....	2.73	.....	5.28	4.90	2.11	1.42	.....	.....	.....	.....
Catawba Island	.....	0.50	3.00	3.98	4.01	3.37	0.81	2.57	2.30	5.43	0.67	0.73	.....
Chillicothe	4.57	2.16	4.51	3.37	4.91	3.78	5.89	1.50	1.43	3.11	0.38	1.58	37.19
Cincinnati	4.74	1.50	4.06	4.07	4.62	2.96	4.04	1.70	2.97	2.79	0.31	1.56	35.32
Circleville	5.41	1.78	3.89	4.04	5.32	7.71	3.88	1.42	1.16	2.93	0.56	1.62	39.72
Clarington	6.22	2.70	4.92	4.78	3.29	5.03	6.08	6.52	1.27	6.14	0.63	1.74	49.32
Cleveland	2.55	1.22	2.14	3.24	2.89	3.59	3.60	4.65	2.74	5.09	1.37	1.41	34.49
Cleveland Case School	2.44	1.16	1.88	3.04	5.09	.....	.....	.....	.....	.....	.....	.....	.....
Cleveland St. Ignatius	2.60	1.40	2.65	3.07	3.57	3.46	3.40	4.46	2.63	5.84	1.28	1.14	35.50
Clyde	.....	0.58	2.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Columbus	3.74	1.09	3.59	3.15	2.80	6.29	4.09	3.10	0.55	3.05	0.18	1.31	32.94
Columbus Reservoir	3.17	.....	3.71	3.26	.....	4.47	4.84	1.62	0.38	2.63	.....	.....	.....
Coshocton	2.03	.....	4.69	4.10	4.37	6.02	5.53	2.46	1.42	5.09	1.20	1.79	.....
Dam No. 28	4.85	3.17	7.05	2.54	6.16	5.19	3.22	3.37	4.81	4.78	0.97	1.59	47.70
Danbury	2.22	0.78	2.86	4.21	3.78	3.31	0.41	3.19	1.33	5.36	0.56	0.68	28.69
Dayton, No. 1	4.04	1.09	3.95	3.68	3.81	4.20	3.34	3.74	0.85	3.51	0.34	1.15	33.70
Dayton, No. 2	4.20	1.19	4.32	3.87	5.42	5.36	5.18	3.81	1.14	4.18	0.39	1.31	40.37
Delaware	3.18	1.44	2.77	3.54	4.26	6.37	7.53	3.14	1.76	4.06	0.20	1.76	40.01
Demos	4.64	2.33	3.30	3.97	3.21	5.79	3.87	6.86	1.61	5.58	0.41	1.50	43.07
Dennison	4.37	.....	4.07	2.28	2.79	4.28	4.29	3.18	2.32	6.31	0.50	1.35	.....
Dover	4.38	0.89	3.46	2.30	3.04	6.50	2.80	2.63	1.50	5.12	0.12	1.11	33.85
Eaton	3.77	1.49	3.86	3.72	4.99	5.13	3.01	3.27	1.94	4.31	0.31	1.62	37.42
Fernbank	4.49	1.08	3.96	3.33	3.99	3.56	3.44	1.79	6.33	3.48	0.32	1.36	37.13
Findlay	2.85	1.60	3.09	4.59	4.60	5.73	0.75	4.23	2.19	7.28	0.46	1.34	38.71
Frankfort	4.50	1.88	3.95	3.79	5.81	2.63	5.80	1.15	1.73	2.42	0.25	1.15	35.06
Fremont	2.51	0.64	2.72	4.17	4.38	3.87	1.13	2.77	1.96	5.95	0.75	1.24	32.11
Gallipolis	5.13	3.18	6.64	2.70	5.44	4.06	3.39	2.23	3.31	4.51	0.72	1.03	42.34
Gambier	.....	.....	4.35	.....	.....	.....	.....	.....	.....	.....	0.44	.....	.....
Geneva	2.76	0.97	3.42	3.72	6.46	4.00	2.55	4.38	1.40	7.32	0.66	1.53	39.17
Germantown	4.14	1.56	4.31	3.27	4.11	4.37	3.43	3.56	1.82	3.77	0.50	1.95	36.79
Granville	3.90	0.83	3.75	3.45	2.36	6.40	4.76	1.35	1.09	3.39	0.32	1.71	33.31
Green	5.88	2.88	6.32	2.67	5.51	5.78	6.94	2.19	4.10	2.96	1.38	1.80	48.41
Greenfield	.....	.....	.....	.....	.....	.....	.....	2.36	0.49	3.60	0.37	.....	.....
Green Hill	3.22	0.78	2.28	1.65	4.96	5.23	5.54	2.18	1.31	5.74	0.29	1.17	34.35
Greenville	4.18	1.49	4.03	4.34	2.86	5.61	4.23	1.50	3.40	4.10	0.42	1.10	37.26
Hamilton	5.25	1.79	4.01	2.58	6.11	5.09	5.15	2.01	2.22	3.77	0.49	1.27	39.74
Haydenville	5.00	.....	4.36	.....	4.30	.....	.....	.....	.....	.....	.....	.....	.....
Hillhouse	2.24	1.40	3.03	2.88	6.46	5.23	3.25	3.25	3.01	7.19	2.28	1.46	41.68
Hillsboro	.....	.....	4.51	3.73	4.42	4.13	3.27	5.13	0.48	3.28	0.37	1.64	.....
Hiram	2.57	1.14	2.73	2.65	4.96	3.98	3.35	3.07	2.67	5.90	1.11	1.31	35.44
Hudson	1.94	1.45	2.90	2.39	3.91	3.41	3.00	2.77	2.60	6.40	1.02	1.44	33.23
Ironton	5.19	3.51	6.62	2.47	5.68	4.41	4.58	1.01	.....	.....	.....	1.62	.....
Jackson	5.51	2.38	5.87	2.31	5.32	5.06	5.10	1.49	1.90	4.30	0.45	.....	.....
Kenton	2.07	0.65	2.31	3.24	3.05	4.60	2.95	3.19	1.64	4.53	T.	0.80	29.03
Killbuck	3.79	1.65	3.10	2.60	3.28	3.55	7.47	2.57	2.10	5.25	0.42	1.28	37.06
Kings Mills	4.98	1.89	4.93	4.15	5.75	3.45	4.85	1.58	1.77	2.99	0.41	.....	.....
Kingsville	.....	1.18	2.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lakeview	4.51	1.65	3.53	3.07	5.15	5.18	5.28	1.20	1.33	4.43	0.13	1.30	37.06
Lancaster	5.66	1.48	5.19	3.72	4.42	6.07	6.11	2.78	1.27	3.61	0.20	1.62	42.13
Larue	.....	.....	.....	.....	.....	.....	.....	.....	1.19	5.06	0.10	1.22	.....
Lima	3.50	1.39	3.44	3.66	3.15	5.72	2.55	2.00	1.46	4.33	0.37	1.60	33.17
Lima (St. Rose School)	3.11	0.70	2.95	3.84	3.51	.....	.....	.....	.....	.....	.....	.....	.....
Loudenville	4.08	1.04	4.73	2.95	3.88	5.53	2.97	2.58	1.48	5.03	0.69	1.47	36.43
McArthur	4.73	2.35	4.99	3.30	3.72	4.94	5.73	1.50	2.11	2.03	0.52	1.40	37.32
McConnellsville	4.83	1.90	4.30	4.64	3.53	7.68	5.59	3.80	1.34	5.88	0.62	1.53	45.64
Mansfield	3.08	1.44	3.42	4.06	4.50	4.87	1.57	3.42	1.62	5.74	0.68	1.24	35.64
Marietta, No. 1	6.13	2.38	4.49	4.96	5.11	5.40	4.09	2.62	1.33	6.08	0.70	1.22	44.51
Marietta, No. 2	5.57	2.48	4.45	4.86	5.04	5.05	3.54	2.34	1.48	5.77	0.68	0.82	42.08
Marietta (Experiment Farm)	4.50	1.96	4.07	4.55	4.49	6.36	3.91	3.04	1.69	5.50	0.73	0.91	41.71
Marion	2.95	1.50	2.98	3.90	3.95	5.89	2.65	1.74	1.75	4.15	0.51	1.49	33.37
Marysville	3.64	1.14	3.62	3.37	4.83	5.92	6.60	2.56	0.86	3.81	0.07	1.02	37.44
Medina	2.59	0.80	2.38	2.81	4.20	3.38	3.90	3.44	1.81	4.91	0.72	0.86	31.80
Milfordton	2.66	1.20	2.35	2.68	3.41	2.85	5.00	2.06	1.74	3.75	0.50	1.26	29.46
Millersburg	3.17	1.25	2.89	2.64	4.60	3.94	3.25	2.47	2.66	4.55	0.32	1.43	32.57
Milligan	5.31	1.70	4.17	4.28	3.30	7.37	3.65	.....	.....	4.63	.....	1.85	.....
Millport	2.89	1.03	2.65	2.00	4.07	6.50	5.54	2.22	2.07	7.02	0.50	1.39	37.88
Milton Dam	3.10	1.10	2.12	1.86	3.87	6.17	2.26	1.03	2.61	5.38	0.44	0.65	30.59
Montpelier	2.03	1.39	4.49	3.78	4.73	5.20	2.76	2.33	2.07	6.60	0.85	2.20	38.43
Mount Healthy	5.04	1.61	3.67	4.45	5.13	4.81	4.61	1.41	3.79	4.50	0.36	2.38	41.74
Mulberry	6.37	1.79	5.19	3.57	4.60	3.09	3.68	1.87	2.66	2.26	0.19	2.97	37.34
Napoleon	2.46	1.02	3.93	4.83	4.25	5.15	4.58	3.12	2.24	6.05	0.57	1.14	39.34
New Bremen	2.93	1.21	2.60	4.20	3.99	4.11	3.60	1.24	2.35	2.91	0.14	0.83	30.11
New Carlisle	4.64	1.26	3.85	3.16	4.41	6.69	5.18	2.47	1.74	4.58	0.18	1.21	39.37
North Bass Island	.....	.....	.....	3.33	4.30	5.06	1.21	3.38	2.33	5.23	.....	0.58	.....
North Royalton	2.45	1.63	2.11	1.98	5.42	3.54	4.48	3.40	2.24	6.26	1.42	0.96	35.89
Norwalk	2.84	1.51	2.27	3.16	3.91	2.95	3.00	3.43	3.16	7.25	1.08	0.92	35.48
Oak Harbor	2.20	0.28	3.07	4.60	3.06	4.16	.....	.....	1.96	6.08	0.95	0.65	.....
Oberlin	2.35	0.83	2.16	3.53	5.59	3.05	5.86	2.93	1.71	6.25	0.81	0.85	35.94
Ohio State University	3.70	1.00	3.72	3.16	3.58	5.55	5.80	3.14	0.31	2.88	0.13	1.17	34.13
Ottawa	2.70	0.86	4.00	3.78	4.15	3.56	2.89	2.33	0.42	5.72	0.37	0.96	31.74

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Ohio—Continued.													
Oxford	4.51	1.43					5.11	1.84	2.24	4.27	0.55	1.11	
Pataskala	4.96	1.37	4.28	3.72	3.06	7.53	5.27	1.77	1.59	3.78	0.37	1.61	39.31
Paulding		0.52	3.98	3.85	4.82	4.14	3.29	1.70	1.67	6.39	0.49	0.59	
Peebles	5.89	2.38	4.69	3.23	5.07	4.75	2.61	1.44	1.35	3.05	0.49	1.85	36.80
Philo, No. 1	3.58	1.83	3.37	3.13	3.07	6.17	4.91	1.60	0.77	3.87	0.43	1.31	34.04
Philo, No. 2	5.18	2.31	4.45	3.73	3.73	5.15	4.77	1.66	0.81	5.31	0.87	1.19	39.16
Piqua	3.60	0.88	3.95	4.38	4.21	6.32	4.04	2.25	1.04				
Plattsburg	3.30	1.18	3.49	3.08	4.68								
Portsmouth, No. 1	6.00	2.71	6.03	2.76	4.61	5.94	4.91	1.93	2.50	3.64	0.48	1.39	42.90
Portsmouth, No. 2	5.71	2.39	6.17	2.60	4.74	5.31	3.67	1.15	2.47	3.46	0.48	1.35	39.50
Prospect	2.00		1.60	2.73	4.23	8.34	3.34	2.80	2.10	3.36	0.10	1.20	
Put-in Bay	2.07	0.54	2.90	4.71	4.32	5.52	1.52	3.91	3.08	5.98	0.64	1.24	36.43
Roxabell	5.64	1.97	4.90	3.53	5.53								
Saint Paris	3.76	1.20	3.80	3.43	3.40	7.63	3.41	2.29	1.20	5.08	0.36	1.42	36.98
Sandusky	2.66	0.73	2.72	3.66	3.13	4.21	0.46	3.99	2.34	6.22	0.79	1.12	32.03
Sidney	3.26	1.15	3.90	3.53	4.73	5.20	5.14	2.00	1.61	4.29	0.18	1.32	36.31
Somerset	3.58	1.41	2.44	3.37	1.61	6.59	4.85	1.72	1.61	4.64	0.63	1.93	34.38
Springfield, No. 1	3.13	0.94	1.82	3.16	4.76	5.46	2.93	2.50	0.62	4.85	0.31	1.18	31.66
Springfield, No. 2			2.32	2.90	3.28		3.97		0.68	2.79	0.28	1.27	
Summerfield	3.96	2.01	3.97	4.75	3.53	5.27	4.60	4.57	2.51	8.05	0.74	1.42	45.38
Syracuse	5.88		7.10										
Tadmor	3.56	0.92	3.37		3.93	5.56	4.07	2.13	0.85		0.12	0.77	
Thurman	5.80	3.25	5.10	1.95	4.98	7.71	7.66	1.70	2.70				
Tiffin	3.71	1.03	3.27	3.47	4.61	3.19	1.73	4.37	3.37	6.71	0.99	1.53	37.98
Toboso	5.44	1.60	4.32		2.84	4.68	5.75	1.82	1.00	4.11	0.33	1.69	
Toledo	2.64	0.63	4.25	3.39	4.58	5.32	1.51	1.83	1.27	5.51	0.36	0.90	32.19
Upper Sandusky	3.46	2.17	2.75	3.45	5.32	7.71	3.25	6.83	1.05	6.16	0.78	1.30	44.23
Urbana	3.86	1.28	4.74	4.04	4.87	6.27	4.80	2.28	1.13	4.28	0.24	1.45	39.24
Valley Crossing	4.83	1.48	3.25	3.81	2.99	5.56	4.72	2.23	0.86	2.93	0.37	1.51	34.59
Versailles	3.33	1.03	3.99	4.60	3.81	6.16	4.90	1.22	1.94	3.50	0.11	1.32	35.91
Vickery	2.53	0.42	2.71	4.11	3.38	3.60	0.90	3.43	1.88	6.61	0.69	0.96	31.22
Walhonding	2.80	1.17	1.62	2.03	2.51	3.50	3.97		1.16	3.89	0.13	1.60	
Wapakoneta	3.53	1.56	2.63	3.68	3.63	5.01	3.55	1.63	2.13	4.42	0.26	1.22	33.25
Warren, No. 1	3.08	1.48	3.10	2.18	4.11	4.49	3.34	4.39	2.82	6.21	0.90	0.84	36.94
Warren, No. 2	4.07	1.12			3.56	3.87		3.91	2.84	6.16	0.20	0.77	
Washington C. H	4.40	1.82	3.56	3.49	4.91	3.83	4.31	2.71	2.30	2.60	0.33	1.60	35.86
Wauseon	2.17	0.46	3.98	4.87	4.97	5.61	4.00	2.27	1.37	5.55	0.45	1.05	36.75
Waverly	5.57	2.38	4.91	2.96	4.74	5.29	4.09	1.47	1.75	2.97	0.53	1.34	37.90
Waynesville	4.10	1.24	3.85	3.71	4.81	4.76	3.07	2.52	1.00	3.44	0.35	1.43	34.28
West Manchester	4.13	0.87	4.72	4.69	5.43	3.89	2.73		1.47	3.55	0.10	0.80	
West Milton	3.40	0.71	3.49	2.66	3.34	4.32	3.34	2.88	2.24	4.38	0.26	0.38	31.40
Wickliffe	2.17	0.84	2.17	3.07	6.51	3.97	3.93	4.22	3.42	6.46	2.24	1.08	40.08
Wilmington	6.03	2.04	5.36	3.46	5.90	4.30	4.21	2.82	0.96	3.09	0.50	2.50	41.17
Wooster, No. 1	3.12	1.30	3.66	2.00	3.94	4.84	2.20	2.44	1.48	4.76	0.43	1.64	31.86
Wooster, No. 2	2.56	1.04	2.77	2.50	3.82	4.66	2.14	2.39	2.02	4.38	0.37	1.14	29.79
Xenia	4.39			3.49	4.08	5.20	2.72	4.00	0.86	3.46			
Youngstown	2.75	1.22	1.82	1.27	2.87	6.07	2.66	1.98	2.43	5.03	0.27	1.37	29.74
Zanesville	3.89	1.52	3.70	3.44	2.22	5.14	4.30	1.16	1.61	4.25	0.41	0.96	32.60
Oklahoma.													
Ada	0.99	0.83	0.82	4.76	2.57	2.34	5.21	5.04	0.42	0.32	1.08	0.07	24.45
Altus	0.30	0.50	0.18	3.05	2.06	0.30	1.47	4.56	1.11	0.35	0.14	T.	13.92
Alva	0.47	0.24	0.57	2.15	2.72	1.99	1.45	11.10	0.93	0.02	0.77	0.20	22.61
Antlers												T.	
Apache	0.48	0.75		1.35	2.15	1.18	2.46	3.18	1.40	0.11	1.09	0.08	
Arapaho	0.54	0.50	1.66	3.52	1.12	0.84	3.01	2.47	0.71	0.99	0.70	T.	15.07
Ardmore	0.76	0.97	0.45	4.59	2.01	2.76	2.38	2.64	1.46	0.08	1.05	0.09	19.24
Arnett									2.99	0.25	0.73	0.02	
Bacone	0.45	0.55	0.73	6.64	2.36	30.8	1.30	8.30	1.57	0.54	3.25	0.10	28.87
Bartlesville	0.51	0.46	0.96	4.34	1.79	1.19	3.37	5.23	1.40	0.04	2.67	1.70	23.66
Beaver	0.10	0.60	0.08	2.15	1.44	2.33	0.83	5.64	1.93	0.11	0.77	0.05	16.03
Billings	0.20	0.74	0.67	3.75	1.13	3.46	1.42	6.09	4.26	T.	1.25	0.23	22.11
Blackwell								5.36	5.51	0.07	0.67	0.27	
Bristow	0.13	0.40	1.77	1.35	2.38	4.13	3.16	2.98	0.20				
Broken Bow											2.89	0.40	
Buffalo	1.00	0.55	0.50	1.42	1.13	0.90	0.88	6.66	1.50	T.	0.72	0.10	15.36
Calvin	0.72	0.78	1.38	6.25	2.92	3.04	4.90	6.17	1.83	0.17	1.44	0.12	29.72
Camargo			1.00	2.50	0.87	0.43	0.94	6.63	3.57	0.16			
Canton			0.56	3.06	1.46	1.29	1.69	7.03	2.09	T.	1.00	0.10	
Carnegie	0.83	1.15	0.16	1.90	1.80	0.73	2.47	3.94	1.88	0.27	2.10	T.	17.23
Chandler	0.46	0.25	1.26	2.23	1.70	1.12	2.53	4.02	0.65	T.	1.55	T.	15.77
Chattanooga	0.35	0.40	1.20	0.70	2.65	0.61	2.85	4.85	0.95	0.19	1.28	T.	16.03
Cherokee	0.37	0.50	0.39	3.32	2.12	2.12	1.32	10.55	0.87	0.2	0.98	0.16	22.72
Chickasha	0.22	0.34	2.02	3.57	2.74	1.49	2.32	4.12	2.60	0.45	1.04	T.	20.91
Claremore	0.37	0.65	2.71	4.36	4.74	4.65	1.33	5.34	1.39	0.14	4.38	0.31	30.37
Cleveland	0.19	1.05	2.06	2.81	2.43	2.81	3.43	6.23	0.93	0.07	3.63	0.03	25.67
Cloud Chief	0.50	0.22	0.15	4.01	2.09	0.75	1.01	3.73	0.69	0.35	1.09	T.	14.61
Durant	0.88	1.45	1.54	8.92	4.57	3.75	4.52	5.19	3.41	0.10	1.78	T.	36.41
Eldorado	0.26		0.83	0.74	1.73	0.39	2.71	0.74	1.25	0.33	1.01	T.	
Enid	0.45	0.60	0.52	4.06	1.45	2.78	0.90	9.65	2.46	T.	0.70	0.20	23.77
Erick	0.30	0.25	0.20	2.67	0.86	0.73	2.11	6.67	2.78	0.25	0.45	T.	17.27
Eufaula	2.00	0.23	1.00	6.19	1.75	4.31	4.18	7.99	1.53	0.37	2.43	0.30	32.18
Fairland	0.37	0.40	3.30	6.87	3.95	1.30	3.81						
Fort Gibson	0.54	0.55	0.70	5.36	2.66	3.88	1.78	10.98	1.62	0.44	2.61	0.40	31.52
Fort Reno		0.55		2.36	1.88	1.29	1.61	9.12	2.20	0.60	1.23	T.	
Frederick	0.54	0.42	1.67	0.72	3.72	0.69	2.04	2.55	0.36	0.27	1.36	0.01	14.55
Geary	0.36	0.61	0.22	3.04	2.02	1.19	0.66	5.15	1.09	0.06	0.71	0.05	15.16
Goodwell	0.50	0.25	0.20	0.38	2.75	1.03	2.36	5.89	2.48	0.20	0.52	0.00	16.56
Guthrie	0.35	1.20	0.15	5.26	1.97	2.70	2.58	7.33	0.97	T.	1.98	0.05	24.54
Hammon	0.55	0.40	0.28	1.66	0.33	0.91	2.08	5.09	4.70	0.22	0.43	0.05	16.61
Healdton	0.81	0.60	0.95	4.20	3.03	3.57	3.45	5.35	2.49	0.10	1.57	0.25	26.37
Heavener		0.59											
Hennessey	0.40	0.60		4.53	1.11						1.37	0.10	
Hobart	0.29	0.63	T.	2.12	2.31	1.13	2.62	3.51	2.21	0.22	0.76	T.	15.80
Holdenville	0.57	0.61	0.45	4.74	3.46	1.46	4.37	6.72	1.00	T.	1.17	0.05	24.60
Hooker	0.25	0.20	T.	1.70	1.44	1.58	1.21	5.69	1.62	0.33	0.60	0.05	14.67

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oklahoma—Continued.													
Hugo	1.63	1.86	2.82	5.53	2.30	2.46	3.33	2.86	1.60	T.	3.95	0.12	28.46
Hurley	1.10	0.50	1.50	2.39	2.30	3.30	3.67	7.70	3.78	0.84	1.57	T.	28.65
Jefferson	0.50	0.54	.....	2.96	1.51	0.52	1.36	6.83	4.27	0.06	0.65	0.40	.....
Kenton	1.05	0.92	0.75	1.94	2.26	0.57	1.58	4.75	3.39	0.65	1.29	0.06	19.21
Kingfisher	0.35	0.60	0.38	3.72	1.66	1.86	1.72	7.70	0.79	T.	1.00	T.	19.78
Lawton	0.42	0.50	2.36	0.71	4.48	1.45	3.65	2.38	0.59	0.25	1.19	0.03	18.01
Lawtonka Lake	0.32	0.87	1.50	0.50	1.66	0.70	2.32	4.24	0.84	T.	.....	.....	.....
McAlester	1.74	0.90	1.04	3.99	1.62	5.57	3.13	8.11	1.78	0.15	2.94	0.15	31.12
Mangum	0.70	0.35	T.	2.38	3.50	0.23	2.41	3.79	1.09	0.05	0.83	T.	15.33
Marlow	0.60	1.43	1.38	0.19	4.77	2.13	2.64	4.12	1.64	T.	2.27	T.	21.17
Meeker	0.42	0.34	1.73	3.83	1.70	2.54	4.06	8.51	3.21	T.	2.58	0.05	28.97
Miami	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.20	.....
Muskogee	0.24	0.56	0.64	6.63	2.84	2.91	1.70	9.06	1.53	0.55	3.32	0.32	30.30
Mutual	0.28	0.40	0.47	1.42	1.06	0.90	1.44	7.07	3.29	T.	0.58	T.	16.91
Newkirk	0.60	T.	1.49	3.53	5.06	2.71	2.13	5.58	3.74	0.12	0.92	1.00	26.88
Norman	0.29	0.85	.....	2.64	2.01	2.69	3.55	4.14	2.11	0.13	1.55	0.05	.....
North Muskogee	0.51	0.55	0.33	6.16	3.33	2.44	2.25	10.49	1.69	0.64	3.29	0.26	31.94
Oakwood	0.57	0.50	0.71	3.79	1.12	1.17	0.92	5.85	1.85	0.06	0.63	0.24	17.41
Okeene	0.37	0.60	0.22	2.49	1.45	0.81	1.92	7.19	1.72	T.	1.16	0.04	17.97
Okemah	0.61	0.55	0.60	3.34	2.31	3.21	3.15	7.77	2.38	0.00	3.62	0.10	27.64
Oklahoma	0.37	0.84	1.20	2.11	2.14	1.83	2.96	4.50	1.55	0.02	0.80	0.04	18.36
Okmulgee	0.43	0.57	3.01	2.65	1.89	5.39	4.67	3.28	2.03	T.	2.94	0.02	26.88
Pauls Valley	0.83	0.95	0.50	3.58	3.17	2.80	2.85	3.84	3.83	0.10	1.36	0.02	23.83
Pawhuska	0.40	0.60	0.97	5.08	1.45	1.28	0.89	5.45	2.06	0.24	1.65	0.30	20.37
Perry	0.45	0.80	0.12	3.59	1.35	1.72	0.84	7.65	0.41	T.	2.20	0.23	19.36
Poteau	.....	.....	.....	.....	.....	.....	.....	.....	1.57	T.	1.30	.....	.....
Rankin	0.50	0.30	1.27	0.98	1.20	1.81	4.75	1.72	0.46	0.69	T.	.....	.....
Ravia	0.95	1.32	0.49	3.17	4.07	3.03	4.31	1.71	3.78	0.00	1.88	0.00	24.71
Reno Junction	.....	.....	1.08	2.21	1.31	1.58	2.30	6.78	1.33	.....	.....	.....	.....
Sac & Fox Agency	0.20	0.23	0.33	3.14	1.77	2.31	3.27	6.57	3.00	T.	2.79	T.	23.61
Sallisaw	1.85	0.65	1.40	5.52	2.24	3.23	3.22	6.22	1.82	0.07	2.60	0.20	29.12
Shawnee	0.42	1.00	1.15	4.72	2.91	1.94	4.71	7.08	1.50	T.	1.61	0.07	27.11
Snyder	0.34	0.74	0.27	1.61	2.02	1.10	1.91	5.42	0.49	0.33	0.98	T.	15.21
Stillwater	0.27	0.90	0.34	3.26	2.80	2.58	2.34	9.19	0.50	T.	2.45	0.03	24.66
Sulphur	.....	0.80	0.17	4.68	2.28	3.04	3.12	2.15	3.09	T.	1.32	T.	.....
Tahlequah	.....	.....	.....	5.27	3.42	3.74	3.97	.....	.....	0.76	2.65	0.31	.....
Tamaha	2.27	0.80	1.94	4.12	1.62	2.45	3.22	4.12	1.00	0.08	2.20	0.60	24.42
Tulsa	0.48	0.70	1.26	4.56	3.88	5.07	1.47	6.23	1.86	0.16	3.10	0.22	28.99
Tuskahoma	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.20	0.03	.....
Union City	.....	.....	0.59	2.13	1.20	1.27	1.30	8.26	.....	.....	.....	.....	.....
Vinita	0.75	1.07	2.67	4.72	5.52	2.70	1.85	3.54	1.71	T.	4.10	1.09	29.72
Wagoner	0.60	0.65	1.46	7.31	4.71	2.89	3.03	7.09	2.09	0.49	4.60	0.11	35.03
Walter	0.45	0.61	0.61	1.06	1.43	1.64	4.31	3.24	.....	.....	.....	.....	.....
Wewoka	0.27	0.50	0.47	4.65	1.28	2.05	0.60	7.05	1.99	T.	1.11	0.10	20.27
Wewoka	0.54	0.97	0.28	2.72	4.18	1.82	5.15	4.60	1.88	0.14	1.20	0.05	23.53
Weatherford	0.93	0.70	0.33	4.75	1.37	1.00	1.24	4.72	0.50	0.15	0.90	0.01	16.60
Webbers Falls	2.30	0.55	4.72	4.27	1.12	2.28	7.38	7.03	1.68	T.	2.54	0.13	34.00
Whiteagle	.....	.....	.....	4.84	.....	3.46	2.39	8.69	3.02	T.	1.76	0.30	.....
Wichita National Forest	0.30	.....	.....	0.65	2.16	1.25	2.38	.....	.....	.....	.....	.....	.....
Woodward	0.43	0.22	0.34	1.93	1.39	1.89	1.33	7.90	1.90	T.	0.77	0.18	17.38
Wyandotte	0.54	1.00	2.18	5.22	3.69	1.92	4.70	5.24	2.00	0.00	4.36	1.00	31.85
Oregon.													
Agency Plains	0.52	1.44	0.98	0.54	0.96	T.	T.	0.06	0.82	0.00	3.01	1.21	9.53
Agness	6.04	6.66	10.54	6.17	1.98	0.17	0.00	0.00	1.03	0.00	12.21	7.60	52.40
Albany	3.20	4.08	4.74	4.97	1.81	0.89	0.00	0.00	1.55	0.03	4.39	13.84	39.50
Aloha Ranch	2.47	3.57	2.69	1.61	1.17	.....	.....	.....	.....	.....	.....	.....	.....
Ana River	0.34	1.26	0.10	0.28	.....	.....	.....	.....	.....	.....	.....	.....	.....
Andrews	0.49	0.98	0.37	0.59	1.32	0.09	0.15	0.03	0.01	0.00	1.05	0.26	5.34
Ashland	2.52	4.18	2.35	1.61	2.43	0.09	0.30	0.35	0.30	0.00	3.47	1.46	19.06
Astoria	9.03	5.76	10.61	10.73	2.01	4.98	0.47	0.02	4.37	1.25	4.52	.....	.....
Austin	2.66	2.50	.....	.....	1.38	0.56	0.17	0.09	1.21	T.	2.91	3.30	.....
Baker	1.35	1.06	0.72	1.59	0.71	0.23	0.04	0.02	2.44	0.07	0.92	1.14	10.29
Bear Creek	1.36	1.72	0.81	1.15	1.11	0.10	T.	0.06	0.95	0.00	1.16	1.02	9.44
Bear Valley	2.19	0.68	1.88	1.52	1.87	0.62	0.19	T.	1.31	0.00	1.00	1.48	12.74
Beech Creek	2.49	2.69	1.39	3.35	2.88	0.40	0.62	0.00	1.55	0.00	2.20	1.83	19.40
Bellfountain	5.38	4.49	8.05	4.88	1.59	0.96	T.	.....	.....	.....	.....	.....	.....
Bend	0.64	1.54	0.88	0.74	1.65	0.05	0.15	0.06	0.65	0.00	1.62	0.82	8.80
Big Eddy	0.81	1.07	0.43	0.64	0.31	0.04	T.	0.00	0.34	0.00	2.69	5.60	11.93
Blitzen	0.77	1.06	0.41	0.52	1.51	0.25	0.00	0.01	0.98	0.00	0.57	0.28	6.36
Blue Mountain Sawmill	6.13	3.20	5.54	9.23	4.03	1.35	.....	.....	.....	.....	.....	.....	.....
Brookings	7.23	8.31	14.40	8.28	3.52	0.18	0.00	0.00	2.48	0.00	16.95	12.29	74.34
Bue	.....	3.47	2.45	1.45	1.61	0.34	0.25	0.22	3.72	0.51	2.66	8.70	.....
Burns	.....	.....	0.84	0.67	0.90	0.73	0.30	0.00	0.85	0.00	2.27	0.43	.....
Butte Falls	3.42	4.24	2.34	3.38	2.57	0.17	0.04	.....	.....	.....	.....	.....	.....
Cascade Locks	9.21	5.42	9.79	10.19	2.39	1.72	0.30	0.00	1.90	0.30	9.43	35.14	85.79
Cascadia	8.52	5.98	9.66	7.42	4.61	2.84	0.12	0.00	1.91	0.11	9.10	16.89	67.16
Cazadero	5.67	3.22	8.36	7.89	4.69	3.48	0.12	0.00	2.88	0.06	5.51	22.03	63.91
Chiloquin	2.46	2.96	1.27	2.46	2.27	0.03	0.00	0.30	0.65	0.00	3.63	1.13	17.16
Columbia Mine	4.39	4.02	2.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Conder	.....	.....	.....	2.41	1.43	0.23	0.00	0.00	0.78	0.00	1.31	2.04	.....
Condon	0.69	0.92	0.48	1.74	2.55	0.33	T.	0.00	1.28	0.00	2.64	2.75	13.38
Coquille River L. H.	4.49	4.40	7.20	5.77	2.66	0.61	0.13	0.00	2.51	0.04	7.19	7.78	42.78
Cornucopia	5.65	5.40	6.41	5.96	1.60	0.86	T.	0.27	4.19	0.17	4.29	14.87	49.67
Corporation R. S.	5.80	2.15	.....	.....	.....	.....	0.21	T.	1.98	0.23	.....	.....	.....
Corvallis	3.14	3.84	4.85	4.23	1.59	0.86	T.	0.01	2.19	T.	4.85	13.66	39.13
Cottage Grove	3.90	5.32	5.58	5.34	2.82	0.82	.....	.....	.....	0.00	9.04	7.46	.....
Cove	.....	.....	3.89	3.44	2.05	0.48	T.	0.00	4.50	0.18	2.11	6.69	.....
Crescent	1.99	3.44	1.48	1.37	1.84	0.02	0.07	0.00	0.23	0.00	3.47	2.15	16.06
Dayville	0.91	1.43	0.60	1.83	2.56	0.24	T.	T.	1.13	0.00	1.40	1.29	11.39
Deadwood	10.45	7.86	16.02	10.35	2.90	1.85	0.00	0.17	4.02	0.00	12.45	32.72	98.79
Detroit	5.61	7.23	8.14	8.05	3.76	2.88	0.64	T.	2.08	0.65	9.45	25.84	73.73
Doraville	4.99	3.02	7.39	5.21	2.88	2.13	0.14	0.08	2.60	0.84	3.18	19.10	51.06
Drain	4.10	6.18	6.73	4.03	2.34	0.44	0.00	0.03	0.85	T.	8.31	7.35	40.36
Drewsey	0.61	1.78	0.70	0.42	2.08	0.70	0.03	0.11	0.85	0.00	1.24	0.65	9.17

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oregon—Continued.													
Dufur	1.13	1.43	1.04	0.86	0.69	0.19	T.	T.	0.49	0.00	2.28	4.61	12.72
Echo	0.65	1.19	0.28	1.52	1.42	0.24	0.00	0.00	0.88	0.00	0.93	2.27	9.38
Eugene	3.22	5.80	4.67	3.77	2.68	1.04	T.	T.	1.57	0.04	7.75	10.63	41.17
Fir Glen	6.70	7.37	9.67	5.12	2.80	0.51	0.00						
Florence	5.89	4.26		7.98	2.65	1.04	0.23	0.16	3.19	0.34	7.55	21.84	
Foothills Orchard	2.22	3.79	2.32	1.47	1.17	0.11	0.01	0.07	0.48	0.00	4.68	2.52	18.84
Forest Grove	2.35	3.49	7.91	5.33	2.28	0.92	0.00	0.00	1.62	T.	3.76	15.49	43.15
Fort Rock	0.12	1.53	0.27	0.26	0.55	0.06	0.07	T.	0.44	0.00	0.43	0.72	4.45
Gardners Ranch	1.83	2.37	2.20	1.19	1.38	0.21	0.30	T.	0.53	0.00	3.31	1.09	14.41
Glencoe	0.34	1.34	0.23	2.00	2.97	0.10	0.00	0.00	1.55	0.00	1.32	2.17	12.02
Glendale	3.72	5.97	3.38	3.72	1.39	0.01	0.00	0.00					
Glenora									4.51	1.27	12.62	52.78	
Gold Beach (See Wedderburn).													
Gold Hill						0.05	0.02	0.01	0.28	0.00	7.95	4.07	
Golden Falls	12.79	8.86	17.68	10.94	4.72	1.20	0.18						
Government Camp	11.76	5.78	14.98	5.46	1.38	1.92	0.40	0.00	2.65	1.90	9.00	37.90	93.13
Grants Pass	2.20	6.15	2.18	2.60	0.88	0.00	0.07	0.00	0.19	0.00	6.88	4.40	25.55
Grass Valley											2.40	3.30	
Gumboot	2.14	4.05	1.61	4.18	1.45	1.24	T.	0.28	3.51	0.16	2.10	5.61	26.33
Halls Ranch	2.14	3.42	1.89	1.51	1.24	0.03	0.00	T.	0.39				
Harriman	1.07	0.86	0.62	0.80	0.99	0.05	0.00	0.00	1.12	0.00	1.49	0.88	7.88
Hay Creek									1.05	0.00	3.52	1.55	
Hazeldell	4.98	4.98	6.26	6.18	3.53	0.51	0.00						
Headworks	8.32	5.29	10.75	10.13	5.32	4.17	0.18	T.	5.40	0.57	6.61	24.97	81.71
Heppner	0.83	1.31	1.05	2.80	2.78	0.34	0.05	T.	1.18	T.	1.58	2.70	14.62
Hermiston	0.35	0.85	0.27	1.22	1.35	0.43	0.00	0.00	0.40	0.00	1.01	2.01	7.89
Hilgard	3.35	2.45	4.40	2.21	3.37	0.93	0.04	0.10	1.60	0.09	1.85	9.60	29.99
Hillcrest Orchard	2.56	4.05	2.26	1.78	1.35	0.10	0.00	0.01	0.30	0.00	4.45	2.57	19.43
Holloway Orchard	1.98	2.83	1.93	1.31	1.13	0.05	0.03	0.03	0.39				
Hood River	2.92	2.44	4.03	2.94	0.95	0.18	0.07	0.00	0.70	0.00	4.30	13.72	32.25
Howardville	4.05	2.54	3.26	3.87	2.40	1.07	0.05	0.28	3.62	0.24	2.82	8.98	33.18
Huntington		1.11	0.54	0.38					0.77	T.	0.60	0.68	
Ibex Mine	4.31	4.75	3.76	3.90	2.32	0.46	0.67	0.57	2.28	0.32	3.16	5.74	32.24
Jacksonville	2.78	4.75	2.47	1.93	1.09	0.03	0.02	0.05	0.24	0.00	5.48	3.84	22.68
Joseph	2.80	1.90	2.60	4.67	3.79	1.28	0.25	0.32	4.72	0.18	1.98	4.17	28.66
Klamath Falls	1.36	1.91	0.92	1.24	0.73	0.03	T.	0.46	0.52	0.00	2.60	0.45	10.22
La Grande	3.07	2.18	1.18	2.46	2.00	0.44	0.00	0.00	2.20	0.22	1.55	5.40	20.70
Lake Creek								0.00	0.15	0.00	2.87	1.80	
Lakeview	0.79	2.08	0.56	1.40	1.14	0.15	T.	0.36	0.44	0.00	1.96	1.16	10.04
Lapine	1.47												
Lebanon	2.69	2.88	3.87	4.37	2.07	1.10	0.00	0.00	2.27	0.01	5.44	7.96	32.66
Lilyglen	4.43	5.16	4.99	3.88	3.15	0.00	0.21	0.12	0.42	0.00	5.16	1.61	29.13
Longwood	3.28	2.39	3.03	2.65	0.89	0.46	0.03	0.00	0.71	0.00	3.36	2.65	19.45
McKinley	8.14	6.40	10.22	7.12	4.10	0.58	0.05	0.00	0.84	0.00	10.24	9.32	57.02
McMinnville	3.27	2.84	6.52	4.49	2.09	0.37	0.00	0.00	0.97	0.00	4.37	17.65	42.57
Marshfield	6.86	6.84	10.51	7.60	3.49	0.88	0.06	0.01	1.72	0.02	10.35	11.62	59.96
Maury	1.51	1.86	0.88	0.84	1.77	0.13	0.30	0.60	0.60	0.00	1.28	0.87	10.64
Medford	1.94	3.37	1.88	1.25	1.01	0.06	T.	0.09	0.30	0.00	4.26	2.75	16.91
Merrill	1.82	1.63	0.99	1.98	1.02	0.11	0.00	0.09	0.41	0.00	2.74	0.40	11.79
Mikkalo	0.38	1.02	0.30	1.37	0.97	0.01	T.	0.00	0.32	0.00	1.59	2.14	8.10
Milton	1.11	1.20	1.05	3.70	3.18	0.72	T.	T.	1.45	T.	1.15	2.35	15.91
Miramonte Farm	3.26	3.09	5.60	5.81	2.24	1.19	T.	0.00	1.90	0.05	3.62	16.53	43.29
Mira Vista	2.41	3.38	2.70	1.68	1.70						4.83	3.30	
Modoc Orchard	2.15	4.26	2.63	1.96	1.09	0.02	T.	T.	0.36	0.00	5.10	3.51	21.08
Monument (near)		1.40	0.83	2.84	1.97	0.66	T.	0.00	0.99	0.00	2.95	2.86	
Moro	1.00	1.05	0.67	1.31	0.74	0.12	T.	0.00	0.27	0.00	2.40	3.77	11.33
Mountain Home	6.81	5.20	8.65	4.85	2.14	1.91	0.05						
Mount Angel	3.42	4.10	5.92	5.90	3.42	1.73	T.	0.00	1.57	0.00	4.83	19.64	50.53
Nahalem	9.10	8.80	9.98	9.46	2.93	4.13							
Newhalls Orchard	2.19	4.13	2.26	1.74	1.12	0.03	0.00	0.00	0.34	0.00	4.91	3.43	20.15
Newport	6.48	5.20	11.64	7.43	2.37	2.14	0.14	0.15	3.56	0.48	6.64	26.15	72.38
Nyssa	0.68	0.82	0.85	1.38	1.43	0.17	T.	T.	1.05	0.00	0.84	0.88	8.10
Oakridge	4.36	4.69	5.61	6.00	3.42	0.49	0.00	T.		T.	7.22	5.88	
Ochoco	1.40	1.18	1.31	2.81	2.00	0.16	0.00	0.00	1.06	0.00	3.22	1.27	14.41
Ochoco Creek	1.67	1.64	1.10	2.37	1.71	0.28	0.27						
Orchard Home	2.08	3.44	2.00	1.24	0.94	0.06	T.	0.12	0.38	0.00	4.44	2.66	17.36
Ortley	1.85	1.58	2.19	1.66	0.76	0.10	0.00	0.00	0.48	0.00	3.35	9.03	21.00
Paisley (near)	0.26	4.59	0.57	1.25	1.02	0.47	T.	0.29	0.69	0.00	3.83	0.39	13.36
Parkdale	4.58	2.48	4.64	3.80	0.93	0.84	0.07	0.00	0.91	0.00	4.84	16.51	39.60
Pendleton	0.85	1.43	0.66	2.47	2.78	0.26	T.	0.02	1.46	T.	0.84	2.88	13.65
Persist	4.71	6.42	5.78	4.85	3.98								
Pilot Rock		1.25	0.90	3.32	1.83	0.12	0.04	0.03	0.00	0.00	1.08	2.15	
Portland	2.54	3.32	5.33	5.36	2.31	1.17	0.01	T.	1.96	0.03	4.24	14.23	40.50
Port Orford	4.53	3.80	9.75	4.30	3.65	0.00	0.00	0.00		0.00	7.30	10.23	
Post	1.18	2.05	0.86	1.54	1.56	0.22	0.00						
Power House	0.99	1.14	0.04	4.72	2.85	1.62	0.00	0.00	1.50	0.00	1.54	4.31	18.71
Prairie City	1.64	1.06	0.98	1.83	1.76	0.58	0.28	0.01	1.22	0.00	1.86	2.73	13.95
Princeton		1.55	1.05	1.40	1.55	0.53	0.00	0.00	0.09	0.00	1.12	0.74	
Prineville	0.08	1.12	0.54	0.76	1.48	0.04	0.15	0.00	0.73	0.00	1.64	0.69	7.23
Prospect	4.32	4.59	4.39	4.59	3.64	0.04	0.65	T.	0.58	0.00	7.46	6.75	37.01
Ramsey	1.05	1.40	0.96	0.98	0.64	0.12	0.00	0.00	0.63	0.00	2.29	4.51	12.58
Range	1.31	1.01	2.22	3.11	1.73	0.00	0.20	0.00	1.01	T.	1.56	5.92	19.27
Ray Creek	0.48	1.11	0.37	2.29	2.84	0.10	0.00	0.00		T.	1.98	1.89	
Redmond	0.08												
Reservoir No. 3	0.67	1.15	0.37	0.81	1.41	0.78	0.55	0.00	1.53	0.00	0.72	0.79	8.78
Reston	5.43	6.88	8.26	4.09	2.26	0.34	T.						
Richland	0.75	1.05	0.70	0.86	0.99	0.36	0.00	0.55	2.62	0.00	0.57	2.26	10.71
Riddle	1.77	5.04	2.78	1.94	2.20	0.24	0.00	0.00	0.41	0.05	6.94	2.51	23.83
Rio Hermoso					1.75	0.12	0.00	0.25	0.35	0.17	3.92	1.96	
Riverside	0.70	1.48	1.14		2.22	0.40	T.	T.	1.60	0.00	1.13	1.10	
Roseburg	2.25	4.90	3.74	3.37	2.75	0.26	0.01	T.	0.73	0.02	6.27	3.71	28.01
Salem	1.30	2.83	3.73	3.62	1.60	1.13	0.02	0.00	1.32	0.00	3.24	14.03	32.82
Salem, No. 2				4.13	1.24	0.88	0.00	0.00	1.35	0.08	3.82		
Sherman	0.77	1.58	0.49	1.09	0.48	0.09	0.01	0.36	0.87	T.	1.04	0.56	7.34
Silver Lake	0.60	2.35	0.25	0.39		0.09	0.06		0.59	0.00	1.12	0.69	
Siskiyou	5.55	7.31	4.77	3.31	3.55	0.07	1.06	0.07	0.34	0.00	3.40	2.09	31.52

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oregon—Continued.													
Sisters	1.08	2.49	1.43	1.13	1.03	0.07	0.02	0.02	0.64	0.00	3.72	3.12	14.75
Sparta	2.71	1.43	3.35	1.79	1.14	0.36	T.	0.75	2.68	0.31	1.66	2.88	19.06
Stafford	2.78	3.15	6.14	6.09	3.06	1.18	0.00	0.00	2.14	0.00	4.19	17.31	46.04
Stanfield	0.40	0.93	0.20	1.47	1.39	0.24	T.	0.00	0.76	0.00	0.94	1.99	8.32
Starkey	2.03	1.83	1.22	1.82	2.40	0.87	0.59	0.19	2.34	0.12	1.52	2.13	17.06
Summit	7.46	5.49	10.89	7.29	2.11	1.66	0.10	.....	.....	.....	.....	.....	.....
Sunrise Valley	0.63	0.88	0.55	1.22	.....	0.30	0.05	0.00	0.43	0.00	0.64	0.21	.....
Sunset Valley	0.52	0.89	0.29	0.53	0.84	0.45	.....	.....	.....	.....	.....	.....	.....
Talent	2.09	3.31	2.00	1.13	1.65	0.12	0.33	T.	0.68	0.00	3.44	1.60	16.35
The Dalles	0.68	1.08	0.71	2.05	0.33	0.10	0.00	0.00	0.37	0.00	2.53	4.99	12.84
Tillamook	10.00	6.41	14.95	11.94	2.76	3.65	0.24	0.17	3.53	1.67	8.68	31.87	95.87
Toledo	7.79	6.16	13.10	10.57	2.45	2.10	0.12	0.12	3.57	0.89	.....	28.23	.....
Tule Lake	1.66	1.79	0.92	1.90	0.57	0.12	T.	0.70	0.55	0.00	2.36	0.92	11.49
Umatilla	0.31	0.53	0.20	1.37	0.77	0.14	0.00	T.	0.36	0.00	0.88	2.12	6.68
Umpqua	7.51	7.69	9.82	5.74	4.24	1.40	0.18	0.06	3.79	0.32	10.02	13.70	64.47
Union	1.62	0.61	0.79	2.09	1.53	0.34	0.03	T.	2.97	0.17	0.98	3.89	15.02
Vale	0.70	1.00	0.87	0.70	1.41	0.00	0.00	0.08	1.40	0.00	.....	.....	.....
Valley Falls	0.29	2.72	0.73	1.40	1.36	0.62	0.00	0.02	0.97	0.00	1.32	0.58	10.01
Vida	8.31	6.90	10.13	8.34	4.57	.....	.....	.....	.....	.....	.....	.....	.....
Vistillas	2.11	4.25	1.28	2.46	0.88	0.24	0.10	0.76	0.11	0.00	3.20	1.15	16.54
Waldo	7.34	7.82	5.06	7.01	1.49	0.00	0.00	T.	0.49	0.00	11.87	6.08	47.16
Wallace Orchard	2.46	3.16	5.24	4.57	1.25	1.02	T.	T.	1.60	T.	4.35	16.87	40.52
Wallowa	2.97	1.96	1.70	4.17	1.27	0.16	0.12	0.00	3.20	0.11	1.40	4.17	21.23
Wamic	1.41	1.27	1.95	0.89	0.87	T.	T.	0.00	.....	.....	2.65	4.44	.....
Warmspring	0.48	1.15	0.58	0.37	0.82	0.27	0.00	0.00	0.18	0.00	3.43	0.78	8.06
Wasco	0.82	0.87	0.28	1.66	0.70	0.20	T.	0.00	0.28	0.00	2.63	4.40	11.84
Wedderburn	5.50	6.49	11.48	8.93	2.91	0.22	T.	T.	2.33	0.00	6.08	6.13	53.07
Welches (near)	10.33	4.84	13.18	10.45	5.01	4.57	0.25	0.00	3.41	0.32	8.06	31.16	91.58
Weston	1.02	1.46	1.09	5.16	3.10	0.96	T.	T.	2.49	T.	1.72	4.01	21.01
Williams	2.79	5.78	2.61	2.54	0.70	T.	.....	T.	0.30	0.00	6.11	3.66	.....
Yoncalla	1.33	1.77	0.98	1.64	0.31	0.06	0.08	0.29	0.55	0.00	2.36	0.68	10.05
Pennsylvania.													
Aleppo	4.76	2.09	4.00	3.22	3.05	5.72	5.65	4.57	1.49	5.30	0.46	1.15	41.46
Allentown	3.70	1.45	4.54	1.90	2.27	5.47	5.27	4.08	2.88	5.87	0.65	2.58	40.66
Altoona	2.05	0.96	1.86	2.67	4.12	.....	2.70	3.35	2.88	4.64	0.32	1.31	.....
Ansonia	2.17	1.00	2.09	1.90	4.38	5.49	4.17	6.58	1.39	6.83	0.65	1.51	38.16
Austin	3.85	1.40	2.60	2.13	2.13	4.82	7.94	8.01	1.99	5.07	0.42	1.95	42.31
Baldwin	4.29	1.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Beaver Dam	3.61	1.22	2.98	2.03	3.07	4.11	4.36	3.58	1.43	5.48	0.42	1.46	33.73
Beaver Falls	3.46	0.93	2.80	1.51	2.87	4.27	4.58	3.05	2.02	5.34	0.46	1.66	32.95
Bellefonte	3.61	1.58	3.35	2.02	3.05	4.29	3.27	3.55	1.96	7.07	0.93	1.06	35.74
Bethlehem	4.24	1.95	4.79	1.28	3.03	5.89	4.46	1.39	1.42	5.37	0.68	2.60	37.10
Bloserville	4.36	1.25	3.31	1.07	2.62	4.72	9.76	17.50	6.34	8.28	0.87	2.60	62.68
Bradford	3.05	2.03	4.28	2.23	6.00	6.17	5.66	3.21	2.18	9.45	0.84	1.96	47.06
Brookville	2.71	.....	1.43	0.66	4.04	5.00	2.97	2.15	1.39	6.98	0.48	1.56	.....
Browers Lock	3.86	1.88	5.08	2.70	3.19	4.25	4.55	2.75	2.69	6.05	0.48	2.30	39.78
Carlisle	4.40	1.78	4.01	1.99	2.50	3.32	5.50	7.07	4.46	6.14	0.68	2.24	44.09
Catawissa	3.48	1.15	3.16	1.33	3.20	4.66	2.79	5.54	1.83	8.03	0.62	1.38	37.17
Center Hall	2.16	0.44	2.40	1.93	2.42	3.75	2.03	3.21	1.67	5.70	0.12	1.77	27.60
Chambersburg	4.41	2.13	3.67	1.96	1.74	3.69	5.16	3.14	3.06	5.88	0.75	1.63	37.22
Clarion	2.99	2.22	3.72	2.12	.....	7.39	4.55	4.28	1.90	8.83	1.10	2.43	.....
Claysville	4.01	1.62	3.90	3.61	2.76	3.65	4.66	5.57	2.64	5.18	0.67	1.49	39.76
Clearfield	4.68	1.30	4.62	2.52	4.71	6.67	5.70	6.76	0.54	6.51	0.30	2.21	46.52
Coatesville	4.26	1.67	5.33	2.10	2.72	5.59	3.29	1.58	3.86	6.27	1.01	2.69	40.37
Colebrook	3.93	1.58	4.71	2.10	3.21	4.43	3.47	6.39	3.40	6.09	0.60	2.16	42.07
Confluence	5.66	3.24	5.23	2.71	3.28	3.93	2.54	3.26	2.39	3.62	0.55	1.31	37.72
Coraopolis	4.24	0.73	3.58	2.27	2.16	4.38	2.62	4.70	2.14	5.26	0.33	1.10	33.51
Corry	1.75	1.12	2.84	2.64	8.09	9.85	4.73	5.30	2.31	7.87	0.80	1.85	49.15
Davis Island Dam	4.41	0.82	3.78	2.68	2.50	4.42	2.67	3.88	2.32	5.32	0.31	0.92	34.03
Derry	4.38	1.60	3.30	2.90	2.68	5.93	5.29	4.37	1.69	6.05	0.56	1.28	40.03
Doylestown	3.23	1.75	4.61	2.19	2.66	4.17	4.42	1.55	2.84	5.94	0.53	3.16	37.05
Drifton	3.20	1.73	4.07	1.57	4.19	8.24	3.15	9.22	1.23	7.77	0.64	2.35	47.36
Ebensburg	.....	.....	.....	.....	.....	.....	.....	.....	2.55	4.45	0.16	0.60	.....
Edinboro	2.59	1.33	2.23	3.10	7.49	6.60	3.55	3.83	1.57	9.80	1.30	2.50	45.89
Elk Lick	.....	.....	.....	2.55	3.31	3.28	4.12	2.72	1.86	3.33	0.50	1.23	.....
Emporium	3.64	1.71	3.66	1.63	4.62	4.97	6.66	7.38	1.96	7.30	0.76	1.51	45.80
Ephrata	3.35	1.84	3.97	1.27	2.82	5.19	3.61	3.54	3.29	5.09	0.51	1.94	36.42
Erie	2.34	0.92	3.13	3.01	6.74	6.35	4.33	3.69	1.51	7.88	0.82	1.53	42.25
Everett	3.65	1.71	3.95	2.17	2.79	6.59	3.84	5.33	1.99	4.98	0.45	0.90	38.35
Franklin	3.48	1.60	3.47	2.14	5.15	7.09	5.05	3.58	1.94	8.93	0.67	1.50	44.60
Freeland	3.24	1.15	3.56	1.59	4.36	6.36	2.37	8.23	1.36	7.07	0.44	2.04	41.77
Freeport	4.29	0.88	4.25	2.56	4.09	5.53	5.20	6.12	1.66	7.68	0.40	1.26	43.92
George School	3.17	1.26	4.29	2.51	3.03	2.39	4.34	1.63	3.72	6.67	0.35	2.54	35.90
Gettysburg	3.72	1.86	4.06	2.89	3.06	4.23	4.92	5.10	3.24	7.57	0.38	2.00	43.03
Girardville	4.77	2.16	5.77	2.06	3.33	8.44	4.38	6.48	2.57	8.50	1.10	2.48	52.04
Gordon	4.52	1.48	4.55	2.11	2.73	5.12	3.86	5.89	2.17	8.32	1.37	2.01	44.13
Gouldsboro	2.75	0.40	3.76	2.14	3.85	7.03	2.43	7.93	0.80	8.34	0.95	2.05	42.43
Greensboro	4.73	1.88	4.24	2.72	3.84	5.84	3.92	2.84	3.72	4.48	0.54	0.70	39.45
Greensburg	3.76	1.47	3.37	2.73	2.64	5.97	4.49	6.65	1.45	5.41	0.55	0.89	39.38
Greenville	3.20	1.52	3.24	2.11	3.71	7.57	3.13	1.73	3.06	7.48	0.94	1.40	39.09
Grove City	2.31	1.02	1.93	1.58	3.90	7.03	5.74	4.32	3.40	7.02	0.33	1.05	39.63
Hamburg	4.50	2.20	5.87	1.57	2.45	6.14	6.17	6.96	2.42	4.99	0.89	4.15	48.31
Hanover	3.45	1.88	4.01	1.90	2.27	3.43	4.51	5.48	3.83	5.79	0.43	1.43	38.41
Harrisburg	4.20	2.38	3.48	1.65	1.95	3.17	3.12	6.39	4.23	5.28	0.45	2.91	39.21
Herrs Island Dam	4.18	1.08	3.81	2.07	2.94	4.93	2.67	4.54	2.12	5.26	0.25	1.31	34.28
Holtwood	3.81	1.38	3.21	1.24	2.95	3.59	4.91	2.71	4.58	4.55	0.75	2.29	35.97
Honesdale	3.79	1.82	3.00	.....	2.38	6.59	.....	.....	.....	6.15	0.80	.....	.....
Huntingdon	3.79	1.48	3.35	1.77	2.35	4.90	7.18	3.65	2.63	5.08	0.28	1.28	37.74
Hyndman	6.31	3.37	3.34	3.07	3.18	4.87	2.18	5.23	1.55	4.46	0.68	1.05	39.29
Indiana	4.66	2.16	4.32	2.99	4.23	7.29	7.08	4.37	2.80	6.71	0.89	1.69	49.18
Irwin	3.88	1.27	2.46	2.05	2.12	6.11	5.44	3.05	1.19	5.31	0.42	0.65	33.95
Johnstown	5.14	2.20	4.29	2.14	2.96	5.85	3.54	4.44	1.92	5.36	0.45	1.63	39.92
Lancaster	3.50	0.89	3.94	1.38	2.18	5.03	3.80	2.25	3.17	5.51	0.96	0.76	33.37
Lansford	4.21	1.12	4.07	1.50	2.57	8.64	3.79	9.49	1.40	5.86	0.95	2.72	46.32

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Pennsylvania—Continued.													
Lawrenceville	1.40	0.70	1.63	0.95	4.01	7.83	4.35	8.70	1.88	4.82	0.40	1.35	38.02
Lebanon	5.34	1.18	4.35	1.66	2.28	4.94	3.29	3.11	3.15	5.52	0.62	1.22	36.66
Le Roy	2.89	1.11	2.82	1.70	3.78	4.41	1.90	.....	.....	.....	.....	.....	.....
Lewisburg	3.92	1.08	2.87	2.06	2.68	4.52	3.29	6.47	1.95	6.65	0.53	1.80	37.82
Linesville	.....	1.08	2.68	3.08	.....	6.26	4.48	5.33	1.68	7.77	0.91	1.60	.....
Lloyd	2.72	1.19	2.54	2.05	3.94	4.59	3.03	6.98	0.58	5.87	0.42	1.39	35.30
Lock Haven	3.11	1.70	3.26	2.08	3.06	4.61	3.87	8.06	1.55	5.36	0.45	1.55	38.66
Lock No. 4	4.05	1.21	2.95	2.47	2.46	5.34	2.44	3.39	1.98	4.92	0.27	0.81	32.20
Lycippus	5.25	2.23	3.89	2.80	3.40	6.98	7.05	5.07	1.96	6.21	1.00	1.28	47.21
Lykens	3.51	1.43	3.31	2.24	2.79	3.63	3.07	4.76	2.83	8.65	0.76	1.64	38.62
Mauch Chunk	4.17	1.53	5.07	1.87	3.81	7.14	4.84	8.22	1.69	6.03	1.37	2.56	48.30
Media	3.18	1.64	4.64	2.62	4.52	3.13	4.54	4.02	3.94	4.57	0.88	1.46	39.14
Mifflintown	3.50	0.94	3.03	2.52	2.45	4.83	5.79	4.91	3.08	6.84	0.60	1.27	39.76
Milford	1.54	0.35	1.77	0.41	1.90	4.94	2.87	1.06	0.63	5.10	0.61	2.47	23.65
Montrose	1.42	1.05	1.80	1.20	4.66	7.04	3.30	6.57	1.27	8.00	1.17	1.50	38.98
Mosgrove	3.06	1.53	3.49	1.26	4.45	5.40	4.60	4.08	2.74	7.90	0.33	1.31	40.15
Mount Pocono	4.27	0.90	5.64	1.65	4.57	8.61	3.49	7.63	1.46	9.13	0.49	5.16	53.00
Muncy Valley	3.21	1.12	2.51	2.11	3.99	5.54	5.34	7.88	1.02	7.81	0.81	1.23	42.57
Neshaminy Falls	3.85	1.46	4.44	2.54	3.42	2.44	5.94	2.37	3.36	7.18	0.23	2.59	39.82
New Castle	2.82	0.57	1.89	1.58	3.43	8.17	4.71	3.10	2.64	7.71	0.52	0.98	38.03
Palmerton	.....	.....	.....	1.53	2.54	6.13	5.65	8.21	1.55	5.53	1.15	1.16	.....
Parkers Landing	3.78	1.25	4.05	2.87	4.06	6.59	3.26	5.40	2.34	7.60	0.63	1.38	43.21
Philadelphia (a)	1.90	2.20	5.46	2.47	2.96	2.25	5.63	3.82	3.27	6.04	0.86	2.53	39.39
Philadelphia (c)	.....	2.48	6.06	2.65	.....	.....	.....	.....	.....	.....	.....	.....	.....
Philadelphia (d)	3.31	.....	5.03	2.15	3.21	3.84	6.89	4.60	3.92	6.47	0.49	1.50	.....
Phoenixville	3.82	1.52	4.76	2.29	3.36	5.34	4.35	3.81	2.74	6.80	0.37	2.11	41.06
Pittsburgh	4.33	0.99	3.36	2.20	2.65	3.65	2.33	4.75	1.90	5.27	0.28	1.19	32.90
Pottstown	3.14	1.36	3.90	2.52	2.20	3.79	5.23	2.36	2.07	5.05	0.55	2.69	34.86
Pottsville	4.40	1.45	4.87	1.76	2.63	4.95	2.80	8.07	2.70	7.17	1.04	2.15	43.99
Punxsutawney	4.95	1.30	5.14	2.73	3.90	5.48	5.01	5.43	2.16	7.57	0.92	2.50	47.09
Quakertown	4.39	1.34	4.45	1.82	3.72	4.50	4.82	5.29	2.64	5.58	0.67	2.97	42.19
Reading	4.14	1.74	4.63	2.12	3.01	3.26	2.76	3.00	2.42	5.07	0.85	2.24	35.24
Renovo	2.01	1.80	2.10	1.53	3.78	4.85	2.82	6.08	3.64	6.43	0.21	1.37	36.62
Ridgway	2.74	1.20	4.02	1.85	4.75	8.38	5.17	6.45	1.51	6.55	0.39	1.37	44.42
Sadsburyville	4.45	1.58	5.31	2.01	2.80	6.05	4.36	1.78	3.52	5.97	0.88	2.37	41.08
Saegerstown	2.63	1.50	3.80	2.64	6.45	5.98	4.11	5.23	1.48	8.54	1.10	1.46	44.92
Saltsburg	3.82	1.68	3.01	1.88	2.35	5.57	2.91	5.02	2.08	6.68	0.74	1.49	37.23
Scranton	3.15	1.84	2.99	1.06	3.25	4.48	2.27	3.94	0.91	6.07	0.89	2.15	33.00
Selinsgrove	2.93	1.39	4.05	2.13	3.13	5.08	3.21	6.33	3.49	7.73	0.71	.....	.....
Sharon	2.34	0.71	2.04	1.80	3.10	6.30	4.34	3.12	2.71	6.41	0.37	1.13	34.37
Shawmont	4.06	1.77	5.32	2.36	2.82	3.95	4.88	2.15	4.58	5.64	0.40	2.74	40.67
Somerset	6.69	3.31	5.43	4.89	3.92	7.22	7.44	5.54	3.18	4.83	0.66	2.09	55.20
Springdale	4.80	1.10	3.39	1.93	2.91	3.75	4.06	5.03	1.94	6.90	0.39	1.16	37.39
State College	3.79	1.11	2.91	2.12	2.94	5.30	3.32	3.89	2.19	4.62	0.43	0.66	33.09
Stroudsburg	4.84	1.22	3.67	1.70	3.58	6.43	4.89	3.02	1.64	6.94	0.54	2.07	40.54
Sunbury	3.22	1.57	4.31	1.94	1.65	.....	4.20	3.83	0.94	7.53	1.04	2.40	.....
Towanda	1.97	0.85	1.96	1.04	3.50	4.53	6.25	8.87	0.70	5.76	0.52	1.60	37.55
Uniontown	4.64	1.71	3.95	2.28	3.35	4.31	3.12	5.13	2.38	4.97	0.49	1.11	37.34
Vandergrift	4.45	0.90	3.43	2.27	2.93	5.22	6.05	6.58	1.89	7.34	0.80	1.10	42.96
Warren	2.09	1.79	3.47	2.10	6.36	8.01	7.08	3.40	2.28	8.22	1.09	1.53	47.42
Waterville	2.47	1.02	2.87	1.31	3.59	4.62	3.59	5.10	1.37	6.51	0.40	1.24	34.09
Weikert	3.09	0.99	2.35	2.44	2.93	5.73	5.28	4.46	2.13	6.22	0.55	1.35	38.06
Wellsboro	1.87	0.99	1.96	1.55	3.90	5.17	3.14	7.80	1.93	5.70	0.48	1.16	35.65
West Bingham	1.06	1.64	3.15	1.35	4.01	6.98	6.01	4.60	.....	8.00	0.40	1.27	.....
West Chester	4.23	1.89	5.56	2.76	4.12	7.41	5.46	1.74	3.90	8.12	0.74	3.13	49.16
West Newton	4.57	1.45	3.59	2.42	2.74	6.04	3.05	3.72	2.08	5.61	0.52	1.35	37.14
White Haven	4.25	1.25	4.25	1.78	3.73	7.40	2.76	7.12	1.46	7.31	0.35	2.25	43.91
Wilkes-Barre	2.47	0.91	2.51	0.89	3.43	5.31	2.98	2.76	0.89	6.35	0.48	1.33	30.31
Williamsport	2.98	1.14	2.93	2.26	3.03	4.46	3.91	7.97	1.71	6.16	0.53	2.01	39.09
York	3.02	1.20	3.46	1.93	2.72	3.10	5.16	4.47	3.55	5.80	0.75	1.37	36.53
Porto Rico.													
Aibonito	1.85	2.52	1.11	4.66	3.08	6.67	5.55	5.96	5.03	4.02	12.02	6.22	58.69
Anasco	0.00	3.95	1.28	4.08	8.01	9.46	15.64	18.85	14.53	13.99	5.36	1.59	96.74
Arecibo	3.52	3.05	0.50	3.31	4.00	8.90	4.73	2.80	4.02	5.70	24.05	8.35	72.93
Bacupey	.....	.....	.....	.....	.....	.....	5.10	9.48	12.04	8.92	.....	2.19	.....
Barceloneta	2.81	2.76	2.45	2.50	5.85	2.69	5.49	2.00	3.27	1.86	16.01	3.00	50.69
Bayamon	3.34	1.82	3.19	3.90	12.52	7.56	9.44	9.03	8.72	4.03	10.32	5.73	79.60
Cabo Rojo	1.68	3.08	3.56	6.55	5.00	13.25	10.48	8.71	7.84	7.81	3.90	1.80	73.66
Caguas	1.07	0.85	0.42	5.68	.....	10.10	5.04	.....	3.39	0.59	7.24	8.68	.....
Camuy	2.63	4.99	2.69	2.35	2.69	3.20	4.09	6.08	2.86	2.18	16.77	6.92	54.45
Cangrejo	3.61	1.09	2.43	2.38	11.27	7.03	3.13	4.44	2.68	7.80	8.50	5.11	59.47
Canovanas	3.89	2.06	2.14	3.94	10.70	9.21	7.65	5.30	4.63	4.40	13.69	5.14	72.75
Carite Camp	1.41	2.86	1.96	3.83	5.75	7.82	8.85	7.89	7.01	3.46	3.41	3.16	57.41
Cayey	1.35	1.43	0.83	2.88	3.56	4.25	4.32	3.35	4.84	2.75	5.12	5.60	40.48
Central Aguirre	0.27	0.27	0.35	2.94	1.32	4.39	3.78	4.06	9.07	2.44	2.21	1.69	33.29
Cepero	3.05	1.28	1.50	5.07	13.35	9.70	7.22	7.96	8.39	4.52	12.29	6.92	84.80
Coamo	.....	.....	0.96	6.55	1.84	4.47	2.01	4.50	4.64	.....	2.00	.....	.....
Coloso	.....	1.90	2.12	4.60	13.31	10.25	.....	.....	3.37	5.88	7.12	2.28	.....
Comerio Falls	3.11	1.99	1.27	5.59	8.49	6.45	9.62	6.29	8.49	2.59	17.60	7.67	79.16
Corozal	3.06	2.67	2.24	4.86	12.79	13.29	8.16	6.72	6.29	3.30	19.34	12.64	95.36
Destino	0.10	0.00	0.00	4.00	0.55	3.55	1.15	1.97	6.68	1.35	1.65	1.60	22.60
Dorado	3.13	2.62	2.56	4.41	8.71	7.28	4.57	7.11	5.30	2.91	19.75	5.36	73.71
Fajardo	1.89	2.11	1.30	2.77	11.01	5.50	6.78	4.56	6.73	2.75	11.31	3.93	64.34
Guanica Central	0.18	1.16	0.52	6.65	0.88	3.15	2.67	2.44	4.46	2.25	2.82	2.99	30.17
Guayama	0.61	0.16	0.53	2.55	3.18	4.45	5.45	6.27	5.49	5.51	2.38	1.46	38.64
Humacao	2.89	2.34	2.47	1.99	7.12	7.47	6.12	10.30	10.17	10.14	13.21	5.11	79.43
Inabon Falls	4.00	2.75	2.50	10.25	6.50	18.50	3.75	7.75	15.12	14.00	17.00	8.25	133.12
Isabela	3.30	.....	2.87	2.19	4.03	2.88	3.77	5.88	4.36	7.07	13.71	7.17	.....
Isadora	0.00	0.00	0.00	2.12	0.45	3.33	2.15	2.45	5.11	0.37	1.24	0.83	18.05
Jajone Alto	1.50	0.91	0.94	3.64	5.24	12.22	11.35	13.00	27.71	3.03	4.01	4.01	87.56
Jayuya	1.96	1.69	0.81	11.41	5.88	11.32	5.05	8.89	10.56	10.41	12.18	7.88	88.04
Josefa	.....	0.21	0.15	2.30	2.31	6.40	5.46	6.60	9.19	4.09	2.48	2.16	.....
Juana Diaz	0.02	2.27	0.16	6.58	1.86	5.81	2.60	4.30	10.17	4.54	3.38	2.26	44.65
Juncos	.....	.....	.....	.....	.....	9.00	.....	7.25	7.27	4.51	11.27	3.67	.....

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Porto Rico—Continued.													
Lares	0.71	3.70	0.43	9.03	13.82	21.00	2.29	12.79	11.01	14.59	11.25	4.53	105.15
Las Marias	0.45	3.15	1.20	8.30	11.45	12.85	10.10	6.35	12.35	17.05	5.45	2.00	90 70
Manati	3.58	2.76	2.82	2.50	6.66	7.34	6.67	4.22	3.95	5.80	15.15	5.22	66.67
Maricao	1.30	3.59	2.90	7.28	10.25	8.30	.....	.....	13.12	9.69	2.56	4.10	.....
Mayaguez	1.16	4.18	1.86	3.80	8.76	9.43	9.23	11.26	9.51	11.91	2.99	0.74	74.83
Naguabo	1.58	1.10	1.49	1.85	12.45	7.35	5.78	7.96	6.57	9.92	9.81	6.43	72.29
Patillas Dam	1.10	1.64	1.05	2.29	4.93	5.77	7.82	7.00	5.86	7.17	3.88	1.82	50.33
Peñuelas	0.56	1.40	0.60	4.65	1.55	6.25	1.77	3.95	7.18	6.15	3.71	2.87	40.04
Ponce	0.03	0.09	0.14	3.87	1.12	3.47	1.83	2.39	5.25	3.89	3.16	0.78	25.82
Potala	0.00	0.05	.....	4.01	0.00	4.94	1.53	2.04	4.68	2.15	1.85	1.67	.....
Rio Blanco	3.19	3.56	3.43	3.97	11.20	11.60	7.32	10.95	9.42	11.62	13.57	9.16	98.99
Rio Grande	5.95	4.56	5.11	4.19	13.10	10.75	14.06	11.30	9.40	5.74	18.76	16.39	119.31
Rio Piedras	3.67	1.35	1.69	5.35	16.41	9.01	5.95	4.63	9.79	3.86	11.73	6.53	79.97
Sabana Grande	0.00	1.60	1.90	4.30	1.25	.....	.....	.....	.....	6.05	4.98	7.77	.....
San German	0.18	2.72	2.33	8.42	1.60	.....	3.89	8.55	8.24	3.68	4.08	3.15	.....
San Juan	2.52	2.86	1.25	2.82	7.80	4.87	4.67	3.97	4.64	3.22	10.09	3.01	51.72
San Salvador	0.88	2.39	1.32	8.66	8.45	9.96	5.17	8.94	7.87	14.00	10.18	8.46	86.27
Santa Isabel	.....	.....	.....	.....	.....	.....	1.47	.....	.....	.....	.....	.....	.....
Toro Negro Dam	0.97	1.53	1.24	15.36	9.05	8.93	4.36	9.03	13.60	13.75	13.91	3.95	95.68
Vieques	1.33	0.40	1.29	1.36	2.78	2.63	4.10	2.59	5.18	1.10	4.61	6.17	33.54
Yabucoa	2.94	1.07	1.12	2.21	10.87	9.04	1.30	9.78	14.08	8.61	10.97	3.97	75.96
Rhode Island.													
Block Island	2.98	2.70	4.85	2.14	3.01	2.51	2.90	0.73	2.80	5.02	0.19	1.90	31.73
Bristol	2.74	2.32	4.76	2.75	5.00	4.25	1.18	3.69	2.91	5.09	0.39	2.27	37.35
Greene	2.89	2.20	4.73	1.74	3.33	4.27	1.66	7.52	2.87	5.71	0.28	2.65	39.85
Hope Valley	4.11	2.78	6.53	3.41	3.78	5.13	2.85	7.41	4.02	4.51	2.85	.....	.....
Kingston	4.05	3.38	6.22	3.01	5.48	5.25	1.71	2.85	3.80	6.46	0.41	2.30	44.92
Narragansett Pier	3.86	4.10	5.83	2.94	3.95	3.51	1.79	3.64	3.81	5.52	0.34	2.23	41.52
Pawtucket	3.17	2.19	6.27	3.16	4.69	5.01	1.09	5.83	2.54	6.48	0.31	2.94	43.68
Providence	3.01	1.97	4.14	2.62	3.39	4.33	1.09	5.90	2.28	5.02	0.31	2.10	36.16
Wallum Lake	3.75	2.00	3.56	1.78	4.23	5.06	1.94	5.70	2.03	6.25	1.03	3.10	40.43
South Carolina.													
Aiken	4.30	3.94	5.29	4.04	2.44	2.97	6.92	3.59	7.17	1.32	0.97	1.21	44.06
Allendale	3.84	2.87	6.05	2.55	1.68	2.87	8.84	4.22	5.30	0.36	0.68	1.37	40.63
Anderson	3.94	6.60	8.84	4.25	3.14	1.33	3.53	6.24	5.43	2.24	0.52	1.52	47.58
Batesburg	5.80	7.09	5.39	3.75	3.79	5.62	5.35	2.10	3.42	1.52	0.51	2.48	46.82
Beaufort	2.51	3.87	3.41	1.98	.....	6.13	4.47	6.21	4.85	0.75	.....	.....	.....
Blackville	2.80	4.08	3.40	3.67	2.31	4.49	7.12	2.30	7.32	1.30	0.75	1.26	40.80
Blairs	2.75	4.19	4.70	2.79	2.33	3.05	4.40	1.78	3.70	3.12	1.12	1.32	35.25
Bowman	5.72	2.89	4.90	2.89	3.71	2.20	8.43	3.00	7.12	0.04	0.85	0.34	42.09
Calhoun Falls	4.01	5.71	7.86	2.96	5.06	1.81	4.24	5.87	5.85	1.95	0.41	1.34	47.07
Camden	3.23	3.49	3.43	4.32	2.13	8.35	3.25	1.23	5.48	0.96	0.76	0.79	37.42
Catawba	2.72	4.77	5.05	3.18	4.70	4.67	9.99	3.04	5.64	4.03	0.94	1.25	49.98
Centenary	3.78	2.14	2.68	2.01	2.90	6.43	9.47	3.13	5.39	0.48	0.87	0.80	40.14
Chappells	3.89	4.82	6.04	2.80	2.50	2.42	6.19	2.23	6.24	2.29	1.04	1.57	41.83
Charleston	2.69	2.07	3.05	0.97	3.80	1.92	9.95	5.06	2.34	0.33	0.31	1.08	33.57
Cheraw	3.08	4.07	2.55	3.42	5.16	9.34	6.63	2.38	4.52	1.42	2.46	1.97	47.00
Clemson College	4.52	7.86	10.19	3.71	3.14	4.47	3.83	3.24	5.57	1.73	1.08	1.05	50.39
Columbia	2.90	3.07	2.54	2.82	2.72	4.95	4.41	1.52	3.07	0.81	0.92	1.24	30.97
Conway	5.42	1.88	4.07	2.65	1.74	6.86	9.39	8.62	6.99	0.27	0.68	3.35	51.92
Darlington	2.38	1.06	3.13	3.90	2.63	5.03	6.01	0.70	7.66	0.83	2.27	1.18	36.78
Edgefield	4.43	4.75	6.78	4.18	3.90	4.04	7.37	3.79	5.17	1.05	0.80	0.88	47.09
Edisto	4.94	3.38	4.36	2.83	3.01	4.31	9.06	3.42	6.64	0.22	0.56	1.28	43.96
Effingham	4.37	2.85	2.77	3.45	2.84	5.50	6.43	2.36	9.23	1.72	0.88	1.52	43.92
Ferguson	4.14	3.11	5.26	3.97	4.55	6.93	11.41	2.31	.....	.....	0.20	1.27	.....
Florence, No. 1	4.36	2.50	2.71	3.19	3.28	8.02	6.04	6.56	6.67	0.99	0.90	0.73	46.55
Florence, No. 2	3.95	2.64	2.63	2.79	3.21	7.10	7.95	1.44	5.37	1.00	1.30	1.87	41.25
Floyd Dale	.....	.....	.....	.....	3.06	10.10	7.81	2.70	8.13	.....	.....	.....	.....
Gaston Shoals	3.01	5.48	5.91	3.21	2.83	4.81	4.18	2.02	4.16	2.12	0.26	1.38	39.97
Georgetown	1.90	0.60	3.45	1.90	4.40	3.30	10.33	3.00	6.70	T.	0.35	1.48	37.41
Greenville, No. 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.98	0.59	1.00	.....
Greenville, No. 2	4.48	6.34	10.79	3.98	3.35	3.22	8.19	5.95	7.83	2.35	0.58	1.28	58.34
Greenwood	3.27	5.17	6.55	2.80	3.52	2.32	2.26	3.05	6.54	3.25	0.73	1.44	40.90
Heath Spring	3.07	5.68	3.21	4.43	1.77	6.32	6.66	1.55	3.00	1.84	0.87	1.15	39.55
Kershaw	3.61	4.70	3.40	3.80	3.08	7.81	4.63	1.32	3.71	1.46	0.99	1.57	40.08
Kingstree	3.66	3.10	4.23	2.96	1.54	6.11	8.36	2.51	7.23	1.05	0.28	2.37	43.40
Landrum	4.06	4.69	11.61	3.99	3.45	.....	.....	.....	.....	.....	1.02	1.83	.....
Liberty	3.30	8.35	10.99	4.25	2.36	2.60	5.12	3.15	7.88	2.12	0.94	1.74	52.80
Little Mountain	3.18	3.80	3.57	3.21	2.10	3.50	5.24	2.48	3.36	1.85	0.89	1.47	34.65
Meriwether	4.24	4.55	4.31	3.88	3.96	2.73	3.58	1.39	.....	1.13	1.11	0.90	.....
Monetta	4.02	5.28	5.08	3.88	3.91	5.58	5.98	2.48	2.94	1.40	0.57	1.79	42.91
Mountain Rest	5.89	7.06	12.42	4.42	2.70	4.16	6.19	6.08	6.20	3.89	1.11	0.82	61.54
Newberry	3.42	5.00	5.02	3.02	2.92	2.55	4.88	2.45	3.86	2.74	0.63	1.66	38.20
Oaks	5.05	2.04	4.09	2.76	2.88	6.01	7.55	5.44	7.49	0.20	0.70	2.38	46.59
Orangeburg	4.96	2.60	4.62	3.45	1.50	2.96	9.06	3.17	5.17	T.	0.61	1.10	39.19
Pelzer	4.40	6.56	9.56	4.32	3.04	2.66	5.95	2.64	8.61	3.00	0.40	1.28	52.42
Pinopolis	2.25	2.39	4.45	4.05	3.64	2.23	14.11	2.82	6.64	1.02	1.90	2.10	47.59
Rimini	4.08	4.05	6.13	2.53	2.11	5.28	8.11	1.01	9.76	0.70	0.77	2.25	46.78
St. George	2.57	2.77	4.41	2.79	3.09	4.16	8.75	2.00	7.42	0.35	0.42	1.41	40.14
St. Matthews	4.43	2.46	3.24	3.44	2.02	5.49	9.64	1.07	8.88	0.60	1.15	1.99	44.41
Saluda	4.14	5.41	5.43	3.13	3.02	2.05	6.43	1.95	3.29	2.00	1.03	2.47	40.35
Santuck	2.91	4.74	6.21	3.17	2.10	2.45	5.03	1.23	3.69	1.52	0.48	1.20	34.73
Society Hill	3.54	3.16	3.11	3.26	3.89	5.93	6.94	3.52	7.21	1.36	2.08	1.85	45.85
Spartanburg	3.59	4.36	9.03	3.87	2.96	2.62	2.82	2.51	4.70	2.19	0.42	1.15	40.23
Summerville	2.97	2.17	3.99	2.95	3.71	3.74	6.22	1.97	5.86	0.04	0.30	1.49	35.41
Trenton	3.95	5.13	6.59	3.75	4.94	2.40	2.97	4.75	3.59	1.75	.....	.....	.....
Walhalla	5.32	7.95	11.56	4.23	3.21	4.26	6.00	6.51	6.08	3.50	0.56	1.34	60.52
Walterboro	.....	2.44	5.00	4.57	3.36	4.74	7.66	4.17	5.43	1.04	0.40	1.50	.....
Whitehall (near)	.....	.....	.....	3.02	2.80	3.31	5.26	4.32	.....	.....	.....	.....	.....
White Oak	3.02	3.96	3.78	3.44	2.87	4.58	5.02	5.77	5.82	3.54	1.10	1.09	43.99
Winthrop College	2.02	4.07	5.73	3.15	2.43	4.35	7.25	2.32	3.56	2.55	1.46	1.70	40.61
Yemassee	2.74	2.52	4.51	2.76	3.37	3.40	5.46	3.55	5.47	0.24	0.44	1.63	36.19

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Dakota.													
Aberdeen	1.23	1.47	1.64	3.44	0.82	3.45	1.98	0.77	3.53	0.05	0.16	0.37	18.91
Academy	1.00	0.43	2.26	3.19	5.60	2.55	2.87	0.87	1.95	0.21	0.26	0.93	22.12
Alexandria	1.65	.....	.....	.....	3.94	2.03	1.84	1.11	2.76	0.03	0.74	0.45	.....
Ardmore	0.47	0.09	1.02	2.74	5.34	1.71	0.47	1.99	0.43	0.67	0.18	0.70	15.81
Armour	1.10	0.17	2.00	3.15	7.14	1.47	4.29	1.46	1.61	0.09	0.32	0.83	23.63
Belle Fourche	0.34	0.20	0.84	1.75	2.16	0.93	.....	0.40	0.20	0.20	0.00	0.85	.....
Bison	1.10	0.35	0.60	1.73	1.96	2.32	1.44	1.91	0.44	0.20	0.75	0.55	13.35
Britton	0.36	0.79	0.65	2.62	0.04	2.35	0.94	2.24	2.01	0.22	0.08	0.45	12.75
Brookings	1.45	0.50	1.20	3.19	3.08	3.49	2.03	1.20	2.89	0.12	0.07	0.31	19.53
Bryant	.....	0.20	0.75	3.73	0.65	2.59	3.19	4.20	3.04	0.35	0.10	0.40	.....
Camp Crook	0.31	0.24	0.85	0.85	3.02	1.51	0.95	0.60	0.10	0.00	T.	0.30	8.73
Canton	1.60	0.20	2.00	3.85	2.95	4.57	1.92	1.71	1.55	0.15	0.15	0.50	21.15
Castlewood	0.43	0.38	0.24	3.92	1.42	3.85	1.95	2.09	3.65	0.25	0.20	0.41	18.79
Cedar Canyon	1.45	1.00	1.05	0.83	2.19	0.77	0.40	1.09	.....	.....	.....	.....	.....
Centerville	1.82	0.62	2.13	2.98	3.53	5.94	3.28	1.80	2.07	0.15	0.34	0.75	25.41
Chamberlain	.....	.....	.....	2.65	3.45	0.39	2.75	0.63	1.85	0.00	T.	.....	.....
Clark	2.15	0.63	2.53	3.64	0.85	4.65	2.16	2.20	2.26	0.23	0.32	0.55	22.17
Cottonwood	1.45	0.40	0.31	1.98	3.30	0.62	0.90	2.00	1.17	0.14	0.39	0.50	13.16
Crow Creek	1.35	T.	.....	2.36	3.29	1.82	.....	.....	.....	.....	.....	.....	.....
Custer	0.59	1.00	.....	.....	3.25	1.88	1.00	2.72	0.50	.....	0.00	0.43	.....
Deadwood	0.50	0.95	1.70	3.65	3.95	2.05	0.55	1.62	1.30	2.70	0.00	1.55	20.52
Deerfield	0.65	0.31	0.52	2.36	3.92	2.28	0.54	3.26	0.50	0.34	0.07	0.85	15.60
De Smet	.....	.....	.....	.....	.....	.....	.....	1.81	.....	T.	.....	.....	.....
Dowling	1.80	0.84	0.93	2.36	4.03	1.32	1.77	3.60	2.37	0.03	1.22	1.35	21.62
Dumont	1.17	1.95	1.67	1.85	4.78	2.19	0.60	1.24	0.24	2.47	0.09	1.51	19.76
Eagle Butte	0.60	0.20	2.20	2.04	3.27	0.91	0.95	0.17	0.69	0.17	0.09	0.34	11.63
Eales	1.25	0.59	0.39	1.87	1.85	1.46	0.87	0.83	0.75	0.16	0.05	0.66	10.73
Elk Mountain	0.40	0.22	0.37	1.30	1.29	2.24	0.13	1.45	0.21	0.15	0.07	0.46	8.29
Ellingson	0.36	T.	1.11	1.05	1.14	1.19	0.23	1.16	T.	0.06	T.	0.80	7.10
Eureka	0.60	0.20	1.46	2.18	1.30	1.61	1.04	0.93	0.67	0.26	0.20	0.75	11.20
Fairfax	0.65	0.40	2.70	3.20	9.31	2.21	2.03	2.39	2.55	0.25	0.08	0.70	26.47
Faulkton	1.87	2.12	1.66	3.45	1.61	1.07	1.95	1.56	2.85	0.10	0.14	0.41	18.79
Flandreau	1.21	0.15	1.52	3.82	2.41	4.04	2.60	1.10	1.83	0.03	0.13	0.21	19.05
Forestburg	1.87	0.22	1.55	2.58	2.93	1.22	1.50	0.66	2.43	0.07	0.58	0.29	15.90
Fort Meade	0.27	0.87	1.05	3.28	6.11	1.66	0.65	0.76	0.74	0.74	0.00	0.36	16.49
Gamvalley	0.30	0.05	0.55	2.36	2.52	1.58	2.09	1.52	2.15	T.	0.17	0.55	13.84
Goldfield	0.43	1.47	1.23	5.45	4.98	2.45	1.28	.....	.....	.....	.....	.....	.....
Greenmont	0.76	1.42	1.86	1.82	2.90	1.78	0.40	0.67	0.66	1.32	T.	1.35	14.94
Hardingrove	0.65	0.18	0.90	2.66	4.22	1.03	1.59	3.36	1.62	T.	0.74	0.71	17.66
Hardy Ranger Station	1.22	1.46	1.25	2.97	2.17	2.23	0.64	1.18	0.20	1.75	0.50	1.88	17.45
Harveys Ranch	1.25	1.64	1.35	1.80	5.50	1.90	2.05	1.50	1.05	2.08	T.	1.06	21.18
Hermosa	0.78	0.03	0.78	4.06	6.40	1.84	0.46	1.45	1.06	0.04	0.04	0.29	17.23
Highmore	1.12	0.52	1.27	2.79	2.04	2.04	1.91	0.68	2.03	0.06	0.07	0.27	14.80
Hopewell	1.40	0.80	1.05	1.80	2.76	0.43	1.30	2.83	1.26	0.18	0.24	0.97	15.02
Hot Springs	.....	0.11	0.94	1.76	.....	2.23	0.86	0.79	1.19	0.39	0.08	1.71	.....
Howard	.....	0.15	1.15	2.36	4.50	2.58	1.57	3.28	.....	.....	0.15	.....	.....
Howell	1.22	0.66	1.44	3.23	1.66	1.82	1.52	1.60	2.47	0.01	0.10	0.18	15.91
Huron	2.21	0.44	1.02	3.01	1.99	2.40	3.65	0.79	1.87	0.07	0.26	0.30	18.01
Interior	.....	0.30	0.21	2.09	3.13	0.85	0.65	0.77	1.70	0.01	0.73	0.50	.....
Ipswich	0.81	0.23	0.69	2.64	0.65	2.92	1.04	1.36	1.94	0.10	0.10	0.33	13.41
Jefferson	1.26	0.85	2.89	2.79	1.50	1.63	0.44	0.64	0.02	0.55	T.	0.94	13.51
Kadoka	0.30	0.26	0.40	1.86	4.18	0.99	1.20	1.04	0.55	T.	0.35	1.67	12.80
Kennebec	1.65	0.45	1.25	1.61	3.13	1.01	0.89	1.04	1.17	0.10	0.10	1.30	13.70
Kimball	.....	T.	.....	3.35	3.23	2.34	1.38	0.66	.....	.....	.....	.....	.....
La Delle	0.65	0.16	1.33	4.02	1.32	2.90	1.55	3.77	4.56	.....	0.74	0.23	.....
Lead	0.89	1.59	1.53	3.13	3.61	2.13	0.43	1.56	0.84	2.68	0.03	2.16	20.58
Lemmon	1.50	0.70	1.10	2.08	1.28	1.45	1.16	0.45	0.27	0.32	0.24	0.55	11.10
McIntosh	1.00	0.60	1.10	2.05	1.14	2.42	1.51	1.04	1.12	0.40	0.49	1.10	13.97
Marion	1.32	0.47	5.78	3.78	5.28	3.47	4.16	1.28	2.02	T.	0.44	0.32	29.32
Marston	2.84	0.29	1.25	1.69	2.44	1.85	1.60	1.66	0.55	0.02	0.01	0.50	14.70
Meadow	1.00	0.35	1.05	1.26	2.51	0.91	0.56	0.82	0.46	0.20	0.78	0.60	10.50
Mellette	1.90	1.00	3.10	4.02	0.72	1.35	2.15	0.90	3.45	0.02	0.05	0.50	19.16
Menno	1 12	0.90	2.53	3.51	4.69	3.46	1.55	3.20	2.67	T.	0.15	0.50	24.28
Milbank	1.64	1.25	3.09	1.81	1.16	3.06	2.09	1.70	3.78	1.56	0.16	0.89	22.19
Mitchell	1.56	1.18	2.22	3.28	4.70	2.00	1.64	1.35	3.27	0.18	0.89	0.19	23.46
Mobridge	2.38	0.50	1.00	.....	2.27	1.49	1.35	1.05	1.17	0.18	T.	0.55	.....
Murdo	1.86	0.25	1.30	2.15	3.85	0.65	1.47	1.73	0.90	0.20	0.25	0.40	15.01
Oelrichs	0.60	0.30	1.30	3.03	4.41	2.99	0.28	0.42	0.60	0.66	0.45	0.84	15.88
Onaka	1.20	0.45	0.90	3.40	1.15	1.07	2.03	1.33	2.07	T.	0.24	0.25	14.09
Onida	2.05	0.58	1.30	2.31	3.37	0.61	1.91	1.83	0.65	T.	T.	0.61	15.12
Orman	0.50	0.36	0.94	2.14	2.90	0.95	0.25	0.95	0.25	0.51	0.00	1.10	10.75
Ottumwa	1.30	1.00	1.20	4.71	3.69	0.30	2.19	4.42	1.19	0.23	0.33	1.00	21.56
Parkston	1.99	0.52	2.40	3.18	7.31	2.01	0.79	.....	.....	.....	.....	.....	.....
Pearl Creek	1.06	.....	0.42	2.92	2.11	1.45	1.99	0.48	1.60	T.	.....	0.52	.....
Pierre	0.84	0.37	0.53	2.39	2.72	0.84	2.68	1.93	1.83	0.02	T.	0.72	14.87
Pine Ridge	0.19	0.20	1.02	1.75	3.42	2.09	0.72	0.56	1.37	0.50	0.05	0.55	12.42
Pollock	1.17	0.34	0.62	2.20	1.33	1.49	2.03	0.76	1.37	0.20	0.00	0.85	12.36
Rapid City	0.65	0.33	0.96	3.96	4.65	2.13	0.98	1.36	0.99	0.15	0.01	0.71	16.37
Redfield	2.38	0.80	2.25	3.25	1.48	1.93	1.00	0.79	1.97	0.00	0.00	0.06	15.93
Redig	0.77	0.53	1.12	1.51	1.78	0.58	0.50	0.57	0.06	0.32	T.	0.88	8.62
Rockford	0.41	0.62	1.02	3.14	3.73	2.15	0.95	1.73	0.58	1.04	0.01	1.18	16.59
Rosebud Agency	0.91	0.06	1.30	2.40	5.05	1.99	0.70	1.23	2.52	0.10	0.13	0.75	17.14
Roslyn	0.55	0.32	1.47	3.47	0.39	4.67	1.07	0.87	2.25	0.20	0.18	0.37	15.79
Sioux Falls	2.10	0.12	3.40	2.94	2.51	3.11	1.41	1.16	1.58	0.10	0.32	0.70	19.45
Spearfish	0.20	0.72	0.82	2.40	2.17	1.52	0.27	1.15	0.86	0.59	T.	0.85	11.55
Stephan	1.15	0.20	1.20	2.13	2.64	1.60	2.71	0.99	2.16	T.	T.	0.20	15.03
Timber Lake	1.40	.....	0.31	.....	.....	.....	0.52	1.25	2.19	.....	.....	.....	.....
Tyndall	0.44	0.08	1.67	4.34	6.31	5.52	2.38	2.49	2.40	T.	0.39	0.43	26.45
Vale	0.32	0.30	0.91	2.12	3.93	0.91	T.	1.27	0.43	0.33	0.00	1.02	11.53
Vermillion	1.50	0.70	1.84	3.08	3.51	4.94	1.99	1.99	1.32	0.27	1.00	1.17	23.31
Vivian	1.35	0.18	1.00	2.98	4.20	1.18	1.02	2.01	0.74	T.	0.00	0.32	14.88
Wagner	1.12	0.67	2.65	3.38	6.47	2.54	2.45	1.67	2.13	.....	.....	0.30	.....
Waters Ranch	0.56	0.59	1.16	3.09	2.37	1.38	0.33	1.35	0.48	0.85	T.	1.49	13.65
Watertown	1.43	0.18	1.52	3.03	0.46	2.94	2.21	1.21	3.28	0.20	0.08	0.44	16.98
Wentworth	1.00	0.78	1.66	3.32	3.76	3.43	1.46	2.92	4.47	0.13	0.19	0.41	23.53

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Dakota—Continued.													
White Lake	.....	0.43	1.21	3.03	3.72	.....	2.79	1.54	2.57	0.36	0.12	1.02	.....
Wood	1.23	0.42	1.59	1.75	5.54	1.13	1.60	1.96	1.36	T.	T.	0.53	17.11
Wososo	0.75	0.65	1.24	2.62	4.90	1.71	1.49	1.42	2.41	.....	.....	.....	.....
Yankton	1.64	0.39	2.36	2.89	3.90	5.05	1 96	2.98	3.32	0.13	0.45	0.77	25.84
Tennessee.													
Arlington	5.45	0.95	8.08	4.55	4.12	3.56	6.04	1.89	0.96	2.01	1.74	0.65	40.00
Ashwood	7.40	2.50	8.81	4.70	4.57	4.77	5.55	3.15	3.55	1.82	1.30	2.05	50.17
Bluff City	6.30	4.31	9.15	2.51	2.85	2.84	8.29	3.32	3.46	2.30	0.87	2.01	48.21
Bolivar	5.60	1.85	8.44	6.64	3.77	2.99	5.38	1.18	1.93	1.81	1.12	1.14	41.85
Brownsville	5.18	1.61	9.27	4.48	5.41	5.09	7.04	1.57	1.20	1.94	1.12	2.16	46.07
Byrdstown	7.84	5.50	10.67	4.96	2.64	4.32	7.02	5.28	2.72	3.51	0.68	2.35	57.49
Carthage	6.05	2.70	9.05	4.85	3.63	4.65	3.86	7.76	4.65	2.41	0.66	1.78	52.05
Cedar Hill	7.02	3.71	8.79	5.25	3.23	6.68	7.66	2.40	1.03	2.03	1.46	2.85	52.11
Celina	7.91	4.99	9.53	4.86	3.54	6.29	6.24	3.86	3.93	3.46	0.91	2.24	57.76
Charleston	6.83	4.95	10.59	3.13	2.07	5.11	6.07	5.81	4.29	2.90	0.89	1.45	54.09
Chattanooga	7.42	4.30	13.91	3.89	2.95	5.71	4.84	5.71	4.16	1.94	0.77	2.13	57.73
Clarksville	5.91	3.48	5.63	4.90	3.53	4.64	5.92	3.26	0.59	2.42	0.93	1.97	43.18
Clinton	9.32	3.83	14.76	2.73	3.05	3.60	11.37	5.58	2.49	2.12	0.90	2.09	61.84
Cookeville	7.44	3.94	9.11	4.22	3.09	4.55	9.75	5.75	3.99	4.49	1.26	1.53	59.12
Copperhill	8.00	6.01	14.90	4.40	2.49	3.08	6.61	6.79	4.02	2.29	0.65	1.32	60.56
Covington	6.32	1.58	7.33	4.97	4.25	4.58	4.72	2.91	1.42	1.79	1.60	2.53	44.00
Crossville (near)	7.85	4.12	13.13	3.36	4.24	4.78	5.90	4.61	4.45	3.66	1.10	1.84	59.04
Dandridge	6.20	3.62	14.08	2.10	2.73	5.94	9.65	4.30	4.04	2.99	0.51	1.55	57.71
Decatur	5.76	3.54	11.50	2.62	2.45	5.67	10.43	7.64	2.42	2.17	1.14	1.83	57.17
Dickson	6.56	2.53	8.31	4.30	3.75	5.63	5.13	2.65	3.16	4.19	0.58	1.45	48.24
Dover	8.06	3.75	5.62	5.81	2.23	4.36	3.73	2.94	0.27	1.84	0.78	1.70	41.09
Dunlap	6.11	2.03	12.23	3.63	2.29	6.20	6.60	6.74	3.35	2.50	1.01	2.45	55.14
Dyersburg	5.55	3.27	5.66	4.46	2.48	4.79	2.54	5.81	0.93	2.80	2.26	1.65	42.20
Elizabethton	6.47	3.69	8.32	3.00	3.33	4.22	7.51	4.08	2.44	2.96	0.91	2.10	48.93
Erasmus	8.39	4.25	13.80	4.94	4.70	6.14	6.28	5.34	4.13	4.07	1.06	1.97	65.97
Florence	5.24	2.73	9.00	4.36	4.14	4.13	5.70	4.33	5.60	1.66	1.33	1.80	50.02
Franklin	5.38	2.01	8.08	6.14	3.03	4.89	2.82	1.83	3.07	1.37	1.17	1.69	41.28
Greeneville (near)	5.10	3.68	11.19	2.56	2.66	3.83	6.70	3.99	2.64	2.02	0.72	1.60	46.69
Halls Hill	6.37	2.52	10.59	3.90	3.35	6.34	7.20	3.64	3.85	2.39	1.34	2.59	54.08
Henderson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.61	0.98	.....
Hohenwald	7.84	1.89	9.65	5.52	6.95	5.67	6.33	2.78	1.59	2.30	1.51	1.20	53.23
Huntingdon	.....	.....	.....	.....	.....	.....	.....	.....	0.98	1.91	0.92	1.60	.....
Jackson	6.10	1.71	5.53	3.95	4.01	5.37	4.68	1.90	1.46	2.20	1.24	1.62	39.77
Jefferson City	7.14	3.97	12.45	3.37	2.44	2.64	7.86	7.23	2.21	3.24	0.66	2.06	55.27
Johnson City	5.83	3.22	8.89	1.73	3.28	4.42	6.08	2.85	3.99	2.44	1.05	1.89	45.67
Johnsonville	5.52	2.35	7.15	3.62	2.85	6.90	5.87	2.88	1.78	2.50	0.84	1.89	44.15
Kenton	6.53	2.09	6.42	5.46	2.65	5.34	6.60	4.12	0.13	2.37	1.46	2.50	45.67
Kingsport	.....	.....	.....	3.36	2.19	3.99	6.00	3.78	3.53	2.08	.....	0.88	.....
Kingston	6.02	3.39	13.70	2.22	3.35	4.65	12.17	3.86	3.58	2.21	0.31	1.66	57.12
Knoxville	6.82	3.53	13.35	2.13	2.52	5.49	13.16	4.20	3.13	3.54	0.47	1.38	59.72
Lebanon (near)	5.49	2.62	6.33	4.71	5.49	4.70	4.23	5.12	3.34	2.25	1.01	1.75	47.04
Lewisburg	6.24	3.18	11.11	4.80	4.77	3.60	5.28	3.01	5.97	1.94	1.02	1.91	52.83
Liberty	6.38	2.97	11.07	4.40	4.47	4.98	10.32	3.76	4.74	2.26	0.90	2.50	58.75
Lookout Mountain	6.26	5.59	14.21	3.43	.....	6.70	4.84	7.64	6.04	2.12	1.27	2.01	.....
Loretto	6.20	4.38	11.25	4.69	3.83	4.11	7.27	4.34	4.49	1.80	0.97	1.76	55.09
Loudon	6.75	3.71	13.18	1.75	3.27	4.63	11.43	4.53	4.19	3.12	0.65	1.55	58.76
Lynnville	6.10	4.52	11.40	3.99	4.22	4.15	6.39	3.69	5.35	1.93	1.47	1.75	54.96
McGhee	5.91	3.95	13.19	2.55	2.73	5.05	8.67	3.56	2.38	3.50	0.42	1.53	53.44
McMinnville	6.51	3.80	12.28	3.21	2.49	6.29	9.89	4.61	4.07	3.27	1.26	2.10	59.78
Memphis	5.37	1.97	7.51	4.13	2.91	2.51	5.96	2.55	1.88	1.72	1.14	1.33	38.98
Milan	4.95	2.60	7.17	4.36	2.26	4.80	7.14	5.20	0.14	1.92	1.46	2.33	44.33
Mountain City	4.34	.....	.....	.....	.....	.....	7.82	2.63	2.39	2.77	0.82	2.55	.....
Nashville	7.27	2.76	8.06	4.05	4.75	8.03	3.25	3.02	1.51	2.25	0.85	1.46	47.26
Newport	5.62	4.31	13.13	2.07	2.46	3.88	7.18	3.55	3.34	1.60	0.81	1.69	49.64
New River	7.56	3.16	14.17	2.67	2.41	3.54	6.24	5.81	4.73	1.35	0.44	1.75	53.83
Palmetto	6.10	3.22	11.90	4.61	4.67	3.95	5.81	1.26	4.11	2.15	2.27	1.17	51.22
Perryville	8.46	2.05	8.44	.....	.....	4.35	8.13	2.17	1.45	3.61	1.50	1.38	.....
Pinewood	8.78	2.54	6.93	5.27	2.79	4.48	4.64	2.62	1.12	2.78	0.93	1.87	44.75
Rogersville	7.14	4.52	12.61	2.53	2.35	1.80	9.59	4.04	2.92	2.21	0.34	1.41	50.86
Rugby	8.16	2.78	12.16	3.43	2.69	4.66	9.25	3.78	3.93	4.12	0.75	1.86	57.57
Savannah	6.68	2.59	8.79	5.70	4.48	4.48	9.53	1.94	0.40	2.65	1.63	1.88	50.75
Sevierville	5.77	4.10	15.05	2.31	2.51	4.90	7.92	5.56	3.09	2.35	0.04	1.31	54.91
Sewanee	8.69	3.94	13.56	3.91	4.19	7.19	8.71	6.61	3.69	3.43	1.68	1.21	66.81
Sparta	5.72	2.55	9.18	1.97	4.75	6.16	8.08	2.82	2.68	3.65	0.97	1.57	50.10
Springville	6.54	3.27	6.52	4.56	2.80	7.28	3.41	3.39	0.45	2.26	0.78	2.74	44.00
Tazewell	7.89	5.36	14.17	2.85	2.21	3.72	5.96	6.23	2.52	3.27	0.68	2.23	57.09
Trenton	6.00	2.97	6.52	5.14	2.63	3.33	4.52	5.30	0.53	3.04	2.00	1.81	43.85
Tullahoma	8.19	3.82	13.81	4.65	4.43	5.98	8.09	4.06	0.71	2.45	1.31	2.09	65.59
Union City	4.53	2.29	4.70	5.35	1.68	6.10	4.66	4.44	0.60	2.51	1.54	2.89	41.29
Walling	5.98	2.98	14.29	3.35	2.54	7.39	6.98	4.21	4.97	3.59	0.99	1.94	59.21
Waynesboro	8.25	2.96	10.52	7.17	4.12	4.87	6.48	2.89	1.63	2.74	2.18	1.76	55.57
Wildersville	5.71	1.57	6.50	4.51	.....	.....	.....	.....	.....	.....	.....	.....	.....
Worsham	8.61	2.95	6.45	4.66	3.00	6.25	2.92	3.04	1.72	1.76	0.84	1.35	43.55
Yukon	5.45	3.92	12.33	4.76	3.07	3.31	6.44	3.20	4.53	2.00	2.10	1.53	52.64
Texas.													
Abilene	0.71	1.00	0.27	0.93	3.31	0.69	0.90	1.24	1.48	0.15	0.16	0.01	10.85
Albany	0.70	0.97	0.31	1.02	2.62	0.21	2.46	1.61	0.84	0.22	0.07	0.00	11.63
Alice	0.44	0.05	0.18	1.55	1.28	0.15	0.40	1.40	1.62	0.50	0.28	T.	7.85
Alpine	0.00	0.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alvin	2.55	1.93	1.08	3.04	3.19	1.72	1.17	3.64	1.24	2.34	0.73	0.78	23.41
Amarillo	0.69	0.22	0.25	0.71	2.49	0.83	2.68	6.17	2.05	0.34	0.89	0.04	17.06
Anahuac	3.45	1.88	1.30	2.00	2.75	0.16	4.72	5.22	1.14	1.87	1.58	0.47	26.54
Anderson	2.54	2.02	1.36	2.36	2.07	0.03	2.23	1.69	1.58	0.40	0.67	0.14	17.69
Angleton	2.38	2.98	0.75	2.37	6.04	0.44	3.12	1.66	1.15	0.49	0.84	0.56	22.78
Antelope	0.41	1.07	2.37	1.20	3.51	0.05	3.35	1.82	2.94	0.12	1.57	0.03	18.44
Archer City	0.18	0.74	0.41	2.31	2.96	2.91	2.50	0.60	2.22	0.11	1.33	T.	16.27
Arthur City	1.26	3.35	3.10	3.83	3.23	2.70	3.73	4.45	2.52	0.35	3.89	0.00	32.41
Aspermont	0.40	0.20	0.32	1.39	1.22	0.15	2.13	.....	1.93	0.00	0.25	T.	.....

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Austin	0.55	0.82	0.31	2.62	3.63	2.26	0.10	0.16	2.19	0.31	2.61	0.02	15.58
Austwell	0.83	0.10	0.43	2.90	1.69	0.00	2.16	1.10	3.66	0.75	0.25	0.40	14.27
Ballinger	0.90	T.	1.60	1.52	3.78	0.42	0.95	1.02	0.40	0.00	0.10	T.	10.69
Barstow	0.05	0.00	0.05	0.05	T.	T.	T.	1.15	0.95	0.00	T.	0.00	2.25
Bay City	1.62	3.25	0.43	1.65	3.88	1.21	0.73	.....	.....	.....	.....	.....	.....
Beaumont	3.18	3.01	1.19	4.02	1.50	0.14	3.22	6.44	2.23	0.95	1.35	1.67	28.90
Beeville	0.46	0.15	0.29	1.60	3.11	1.24	0.88	1.64	1.37	0.17	1.18	T.	12.09
Big Spring	0.38	0.00	0.04	0.98	0.75	0.88	0.81	0.03	0.83	0.01	0.09	0.00	4.80
Big Wells	0.34	0.00	0.04	0.00	1.47	0.65	0.47	0.71	1.88	0.04	0.24	0.00	5.84
Blanco	0.92	1.05	0.12	1.90	4.79	1.19	1.50	1.01	3.82	0.40	0.87	0.00	17.57
Boerne	1.05	1.30	0.28	1.14	6.85	3.65	0.58	0.13	3.05	0.95	0.79	0.05	19.82
Bonham	3.08	1.35	3.22	4.40	2.15	5.35	3.10	1.78	0.51	0.07	2.51	0.05	27.57
Bovina	.....	.....	.....	.....	.....	.....	.....	3.35	2.90	0.00	0.00	0.00	.....
Bowie	0.48	0.96	0.44	2.65	2.73	0.37	3.68	2.56	1.63	0.20	2.02	0.12	17.84
Brazoria	2.12	2.70	0.84	1.20	3.53	2.32	2.20	2.77	3.56	0.47	1.00	0.47	23.18
Brazos	0.82	0.50	1.45	3.56	4.18	2.27	2.41	3.14	2.49	0.22	0.56	0.00	21.60
Brenham	2.26	2.47	1.12	2.12	3.44	0.72	1.50	0.77	2.80	0.45	1.12	0.25	19.02
Bridgeport	0.81	1.78	2.48	4.57	5.33	0.83	7.86	1.87	1.13	0.05	1.81	T.	28.52
Brighton	1.60	0.10	0.25	1.24	2.93	0.14	0.49	0.18	1.03	0.48	0.59	0.00	9.03
Brownfield	0.35	0.18	0.15	.....	0.53	0.25	1.45	1.59	1.22	0.00	0.07	T.	.....
Brownsville	0.28	0.20	1.51	0.43	2.57	0.71	4.52	0.29	1.03	T.	0.29	0.32	12.15
Brownwood	0.76	T.	1.15	2.03	5.64	0.50	T.	2.01	3.60	0.45	1.50	0.00	17.64
Bryan	1.81	1.91	0.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Buena Vista	0.20	T.	0.32	1.08	0.08	T.	1.25	0.90	1.79	T.	T.	T.	5.62
Cameron	1.00	0.89	1.14	2.29	3.11	.....	1.71	1.07	5.29	0.22	2.27	0.22	.....
Canadian	0.46	0.18	0.03	2.30	0.80	0.58	0.97	5.02	1.44	0.40	1.00	0.03	13.21
Carrizo Springs	T.	T.	T.	0.00	0.85	0.45	2.00	2.50	.....	.....	.....	.....	.....
Childress	0.40	0.80	0.50	1.52	2.26	0.50	2.20	T.	3.00	0.42	0.96	0.01	12.57
Chillicothe	0.32	0.25	0.40	0.75	2.32	0.22	3.12	1.44	1.02	0.31	1.12	0.51	11.78
Clarendon	0.26	T.	T.	1.02	2.26	0.54	2.00	6.33	2.46	0.40	0.34	T.	15.61
Clarksville	1.38	2.20	4.56	5.77	2.92	1.81	3.60	5.50	4.35	0.50	2.27	0.17	35.03
Claude	0.30	0.41	T.	0.78	2.01	0.00	1.47	5.41	1.30	0.00	0.92	0.00	12.60
Claytonville	0.29	0.05	0.38	1.79	1.61	1.01	0.53	0.82	1.25	0.00	T.	0.00	7.73
Cleburne	0.03	1.45	2.04	3.21	4.48	2.38	1.55	1.77	1.35	0.36	2.24	0.05	22.31
Clifton	0.73	0.41	1.57	1.91	4.71	1.29	2.53	1.06	3.06	0.13	2.62	0.03	20.05
Coleman	1.31	0.23	1.36	1.84	3.99	1.43	0.97	1.07	0.88	0.09	0.15	T.	13.32
College Station	1.90	2.37	0.58	2.81	1.86	0.05	0.81	2.06	2.23	0.22	0.03	0.24	16.66
Colorado	.....	.....	.....	.....	.....	.....	.....	0.57	.....	0.07	T.	0.00	.....
Columbus	1.15	1.32	1.31	1.81	4.08	T.	1.60	0.62	2.77	0.52	0.56	0.13	15.92
Comanche	0.48	0.03	1.35	1.77	3.40	0.35	1.15	0.32	.....	.....	.....	.....	.....
Copperas Cove	0.40	0.65	1.44	3.25	3.12	1.74	2.01	2.00	1.72	0.00	1.11	0.00	17.44
Corpus Christi	0.23	T.	0.14	1.07	0.48	0.26	0.95	0.41	0.82	0.44	0.58	T.	5.38
Corsicana	1.12	0.91	1.18	2.37	3.68	1.27	2.73	1.76	0.72	1.19	2.16	0.21	19.36
Cotulla	.....	.....	.....	0.65	0.22	0.00	0.25	.....	1.98	T.	0.31	0.00	.....
Crockett	2.53	3.56	1.38	3.01	2.81	3.14	2.41	0.16	.....	.....	.....	.....	.....
Crosbyton	0.45	0.30	0.08	1.45	1.47	0.35	1.04	4.62	2.53	0.15	0.06	T.	12.50
Crowell	0.35	0.26	0.10	0.72	2.79	0.10	3.68	1.10	1.17	0.20	0.00	0.00	10.47
Cuero	1.30	0.87	0.36	1.68	2.44	T.	2.84	0.68	0.77	0.39	1.47	0.03	12.83
Dalhart	0.14	0.09	0.03	0.37	2.60	1.03	1.64	2.28	1.28	0.31	1.02	0.00	10.79
Dallas	1.00	1.31	3.40	5.24	3.25	0.46	2.35	2.67	1.90	0.11	1.99	0.04	23.72
Danevang	.....	0.30	0.65	3.15	3.95	0.00	4.01	2.50	.....	0.00	1.50	0.70	.....
Del Rio	0.09	0.11	0.05	2.36	1.44	1.29	0.37	0.92	0.99	0.00	0.00	0.03	7.65
Denison (near)	1.10	1.96	1.90	7.04	2.22	.....	.....	.....	.....	.....	.....	.....	.....
Denton	0.69	1.41	1.73	5.85	5.87	1.28	4.45	4.26	2.38	0.19	0.81	0.03	28.95
Devine	.....	.....	.....	2.70	2.30	0.00	2.00	.....	.....	.....	.....	.....	.....
Dilalville	2.10	2.10	1.80	4.00	4.12	2.50	5.50	0.20	3.20	0.60	1.61	0.70	28.53
Dilley	0.00	T.	0.19	0.00	0.25	T.	3.10	T.	1.62	0.00	0.80	0.00	5.96
Dublin	0.69	0.35	1.62	3.17	5.07	0.56	3.38	0.86	2.04	0.09	1.10	T.	18.94
Eagle Pass	0.48	0.15	0.18	0.00	1.53	0.76	0.77	3.68	0.76	0.00	0.22	0.00	8.53
Eastland	0.65	1.00	0.80	1.80	4.38	1.38	1.25	1.37	1.33	0.05	0.40	T.	14.41
Edna	0.81	2.14	1.29	2.28	1.84	0.11	2.73	1.47	0.72	0.00	1.26	0.00	14.68
El Paso	0.32	T.	0.07	T.	0.14	0.36	0.41	4.39	0.76	T.	0.04	0.00	6.49
Encinal	0.34	0.00	0.24	1.17	0.25	0.41	0.58	0.03	3.30	0.00	0.40	0.00	6.72
Fairland	.....	.....	.....	.....	3.15	1.31	1.49	2.28	1.42	0.02	2.56	0.00	.....
Falfurrias	0.27	0.00	T.	0.35	1.69	0.87	1.89	2.18	1.21	0.45	T.	0.07	8.98
Finley	2.20	2.10	3.15	6.08	0.95	0.00	3.05	1.75	2.53	T.	1.70	0.50	24.01
Flatonia	1.43	1.90	0.70	2.54	3.69	0.42	2.33	0.53	2.03	0.11	0.63	0.00	16.31
Flint	2.36	2.56	2.75	5.94	3.58	1.24	6.26	1.01	1.87	0.59	1.95	0.52	30.63
Floresville	0.90	0.55	T.	1.15	2.26	T.	0.33	0.00	1.24	0.00	1.45	0.00	7.88
Fort Clark	0.25	0.16	0.02	2.41	1.30	0.91	1.16	0.25	2.03	0.00	0.00	0.00	8.49
Fort Davis	0.53	0.00	0.00	0.00	0.32	0.59	1.00	4.14	2.77	0.00	0.00	0.00	9.35
Fort McIntosh	0.05	0.00	0.15	0.32	1.55	0.00	0.00	4.59	0.54	0.10	0.00	0.00	7.30
Fort McKavett (near)	0.20	0.00	0.50	1.26	4.56	0.61	0.89	0.36	0.85	0.55	0.03	0.00	9.81
Fort Stockton	0.20	0.00	0.15	0.47	0.37	T.	0.50	2.02	2.15	0.00	T.	0.00	5.86
Fort Worth	1.43	1.47	2.42	4.11	3.92	1.97	2.65	1.92	2.41	0.17	1.35	0.05	23.87
Fowlerton	.....	.....	.....	0.45	0.15	0.10	0.15	T.	T.	0.00	0.73	0.00	.....
Gainesville	0.85	1.31	1.41	5.17	3.79	1.87	3.99	4.65	1.78	0.00	1.65	0.00	26.47
Galveston	2.21	2.51	0.91	1.45	3.47	0.65	0.46	2.71	3.60	1.49	0.97	1.00	21.43
Garden City	0.30	0.01	0.10	1.55	0.52	0.73	0.31	1.12	1.10	0.00	0.02	0.00	5.76
Gatesville	0.60	0.40	0.70	2.42	4.20	0.52	0.95	1.65	2.03	0.00	0.95	0.00	14.42
Georgetown	0.84	0.81	0.37	1.57	3.27	0.81	2.09	0.45	1.38	0.36	0.75	0.03	13.22
George West	0.65	0.00	0.00	1.53	1.17	0.00	1.15	0.58	1.42	0.00	1.15	0.00	7.65
Goliad	0.68	0.27	0.51	1.92	1.54	0.06	1.28	1.18	1.54	0.12	0.63	0.00	9.73
Gonzales	1.14	1.50	0.19	3.00	2.60	0.74	1.73	0.56	3.10	0.35	1.33	T.	16.24
Gorham	0.75	0.50	1.40	2.33	4.73	0.73	2.82	T.	1.84	T.	2.45	0.06	17.55
Graham	0.70	1.28	0.50	1.52	4.34	0.00	.....	1.95	2.30	0.10	0.56	T.	.....
Grand Falls	T.	0.00	0.00	0.12	0.03	0.06	0.50	0.23	1.84	0.00	0.00	0.00	3.18
Grapevine	1.12	2.09	1.10	4.64	2.39	0.71	1.61	2.20	4.10	0.05	1.50	0.00	21.51
Greenville	0.85	0.58	3.91	6.80	3.81	1.05	3.35	0.55	1.96	0.00	3.30	T.	26.25
Hallettsville	1.01	1.58	0.79	2.05	3.38	0.01	3.68	0.00	2.37	0.51	1.28	0.05	17.31
Hamilton	0.75	0.35	1.65	2.40	4.57	1.90	3.15	0.37	1.85	0.30	1.45	0.00	18.74
Hamlin	0.55	0.30	0.83	2.41	0.92	0.33	2.66	0.90	0.64	T.	0.14	.....	.....
Haskell	0.50	0.25	0.36	2.54	2.78	0.32	2.66	1.25	1.01	0.21	0.48	T.	12.36
Hebbronville	0.41	0.06	0.07	0.75	1.10	0.55	1.98	0.60	.....	.....	.....	.....	.....
Hempstead	1.84	1.16	1.20	1.78	4.38	T.	3.93	1.79	1.26	T.	1.46	0.50	19.30
Henderson	2.63	2.63	2.20	3.83	4.34	0.73	3.26	1.74	3.45	0.79	1.28	0.78	27.86

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Henrietta	0.15	0.75	0.50	1.23	2.68	2.20	5.25	4.63	2.27	T.	0.80	T.	20.46
Hewitt	0.83	0.57	0.47	3.20	3.67	0.51	1.54	0.80	1.61	0.09	1.26	T.	14.55
Hico	0.93	0.42	1.42	2.03	4.80	3.01	1.62	1.42	0.88	T.	1.61	0.00	18.14
Highbank	0.74	0.69	0.84	2.43	2.73	0.25	2.77	0.23	2.95	0.60	1.56	T.	15.79
Hillsboro	0.60	0.65	1.73	2.67	5.60	1.35	0.35	1.83	2.93	0.54	2.00	T.	20.25
Hill's Ranch	0.70	1.43	0.16	1.53	3.87	2.08	0.52	0.36	1.03	0.42	1.47	T.	13.57
Hitchcock				2.72	3.45	0.94	3.55	3.93	1.24	1.60	1.35	0.85	
Hondo	1.34	0.62	0.03	2.50	3.77	0.20	1.35	0.63	2.90	0.21	0.90	T.	14.45
Honey Grove	1.03	1.72	3.00	6.92	2.51	1.70	5.03	2.70	3.40	0.17	3.47	0.03	31.68
Houston	1.29	1.56	0.65	2.30	2.21	0.83	3.30	1.13	1.95	0.32	0.93	1.19	17.66
Huntsville	3.60	2.88	0.94	3.22	1.55	0.90	1.05	0.45	1.57	0.60	1.17	T.	17.93
Index									1.97	0.92	2.16	0.85	
Jayton	0.40	0.00	0.20	0.07	0.68	0.45	1.50	0.75	1.55	0.05	T.	0.00	5.65
Jefferson	3.29	1.65	3.66	3.22	1.50	0.61	8.14	8.14	2.95	0.54	1.92	1.70	37.32
Jewett	2.50	T.	2.10	5.05	3.55	1.00	2.30	2.00					
Jourdanton	0.78	0.16	0.02	0.85	2.09	0.43	2.01	0.04	0.32	0.33	1.23	0.00	8.26
Junction	0.00	0.00	0.00	0.44	3.58	0.00	1.66	1.28	2.01	0.05	0.00	0.00	9.02
Kaufman	1.64	2.23	4.49	4.55	4.80	0.58	1.53	1.98	3.20	0.54	4.23	0.21	29.98
Kerrville	0.56	0.83	0.04	0.81	2.92	1.60	0.73	0.50	3.91	0.18	0.25	T.	12.33
Knickerbocker	0.52	0.14	1.10	1.70	2.25	0.42	0.12	0.70	1.86	0.00	0.25	0.00	9.06
Kopperl	0.70	0.60	1.44	2.74	4.24	2.10	0.64	0.84	2.40	T.	2.50	T.	18.20
Lagrange	1.35	1.95	0.92	1.53	5.47	0.22	1.56	2.40	0.73	0.31	0.89	0.04	17.37
Lamesa	0.21	0.31	0.10	0.52	0.36	0.00	0.23	0.19	1.11	0.00	0.19	0.00	3.22
Lamkin			1.61	2.84	4.58	1.20	1.19	1.15	3.37	0.14	1.05	0.00	
Lampasas	0.35	0.64	0.54	2.29	2.47	1.18	2.35	0.75	4.47	0.03	1.00	T.	16.07
La Parra	0.44	0.22	0.45	1.60	5.30		0.80	0.10			0.30	0.00	
La Pryor	0.70	0.18	0.04	0.00	1.76	1.36	0.77	0.97	0.40	0.20	0.13	0.00	6.51
Laredo	0.20	0.00	0.09	0.25	1.47	0.00	0.15	1.47	0.97	0.06	0.00	0.00	4.66
Laureles Ranch	1.17				1.49	0.00	0.00	0.00	0.93	0.00	0.51		
Liberty	2.12	2.08	2.72	4.28	2.66	0.13	5.88	3.96	0.81	2.31	0.92	1.95	29.82
Lieb (near)	0.55	0.26	0.08	0.43	2.62	0.66	3.25	3.75	3.38	0.32			
Littlefield	0.40	0.03	0.20	0.08	1.03	0.10							
Llano	0.32	0.52	0.69	1.30	2.74	1.08	0.90	0.48	1.39	T.	0.74	0.00	10.16
Lobo	0.26	0.00	T.	0.00	0.14	0.40	0.55	2.24	2.16	0.00	0.00	0.00	5.75
Long Lake	1.95	2.28	1.93	3.00	3.20	2.62	9.51	0.40	5.18	0.05	1.40	0.00	31.52
Longview	3.70	2.82	3.51	3.25	2.01	0.82	7.51	0.80	1.26	0.30	2.02	1.28	29.28
Lubbock	0.35	0.05	0.21	0.58	1.07	0.64	1.42	1.16	3.03	0.14	0.08	T.	8.73
Lufkin	2.50	4.83	1.96	3.25	3.35	0.25	4.56	1.61	2.08	1.05	1.08	0.81	27.83
Luling	1.92	1.39	0.32	2.82	6.85	0.74	3.03	0.94	0.95	0.51	1.03	0.03	20.53
McGregor	0.71	0.50	0.58	1.83									
McKinney	1.44	0.61	3.35	6.59	6.21	0.16	2.93	0.86	1.80	0.24	2.62	T.	26.81
Marble Falls	0.59	0.40	0.28	1.10	2.59	0.45	T.	1.04	2.73	T.	0.48	T.	9.66
Marshall	3.32	3.05	3.12	3.56	2.18	1.02	9.47	4.59	1.75	1.11	1.25	1.09	35.51
Matagorda	2.06	0.06	0.23	3.82	2.29	0.09	0.00	2.00	0.27	0.07	1.24	0.43	12.56
Mathis		0.10	0.11	0.79	2.19	0.60	0.06	4.63	1.50	0.40	1.04	T.	
Memphis	0.25	0.05	0.12	1.16	1.74	0.44	1.98	3.05	2.04	0.40	0.69	T.	11.92
Mercedes	0.35	0.40	1.32	0.27	4.98	0.92	2.80	1.13		T.	0.22	0.06	
Mexia	0.83	0.67	1.02	3.46	4.32	0.30	1.23	3.03	5.19	0.08	2.14	0.16	22.43
Miami	0.30	0.30	0.02	2.01	1.33	0.84	3.62	5.37	2.11	0.27	1.35	0.05	17.57
Midland	0.18	0.00	0.00	0.83	0.20	1.32	0.45	1.79	0.60	0.00	0.15	0.00	5.52
Mission	0.31	0.72	0.34	0.14	1.28	0.13	0.32						
Mont Belvieu	1.99	1.53	2.16	3.38	3.62	1.09	6.36	2.58	2.13	1.81	1.24	0.57	28.46
Montell	0.33	0.28	0.05	0.77	3.73	2.59	0.73	1.37	4.78	0.00	0.00	0.00	14.63
Munday	0.75	0.20	1.05	1.26	3.31	0.04	2.66	0.89	0.86	0.20	0.92	0.02	12.16
Nacogdoches	3.79	4.26	1.91	2.27	3.25	0.77	5.83	0.06	3.74	1.38	0.69	0.11	29.06
Navasota	2.57	2.02	1.15	1.98	2.44	0.56	1.71	1.91	1.48	0.36	1.40	0.22	17.80
New Braunfels	1.23	1.29	0.24	0.64	4.51	0.11	3.31	T.	1.39	0.57	0.00	0.00	13.29
Ochiltree	0.25	0.35	0.16	1.68	1.48	0.35	1.55	6.33	0.92	0.00	1.15	0.00	14.22
Orange	2.95	4.95	2.15	3.88	2.28	1.30	4.65	2.45	6.40	0.80	1.10	1.55	34.46
O 2 Ranch	1.12	T.	0.60	T.	0.10	0.35	0.65	0.60	1.40	T.	T.	0.00	4.22
Paducah	0.40	0.33	0.43	0.92	2.55	0.85	2.10	1.69	2.03	0.21	0.29	T.	11.80
Palestine	1.66	1.95	1.27	3.49	3.88	2.95	7.73	0.07	2.35	0.31	1.50	0.45	27.61
Panhandle	0.65	0.00	0.20	0.65	1.65	0.65	1.00	3.30	2.75	0.00	0.50	0.00	11.35
Panter	0.75	0.70	2.33	3.26	3.31	2.73	1.40	1.93	1.69	0.06			
Paris	1.26	1.48	3.83	8.05	3.65	1.05	4.19	6.59	2.91	0.30	2.70	0.10	36.01
Pearsall	0.50	0.13	0.08	0.18	1.70	0.00	1.70	0.24	3.23	0.02	2.09	0.00	9.87
Pierce	1.24	1.64	0.71	0.92	1.99	0.59	5.30	2.06	3.56	0.51	1.39	0.63	20.54
Plainview	0.25	0.05	0.10	0.78	1.10	0.47	2.41	3.16	1.17	0.29	0.42	T.	10.20
Port Arthur	3.28	3.09	2.29	3.05	2.89	1.93	6.42	6.79	2.65	1.35	1.02	1.07	35.78
Port Lavaca						0.00	0.62	1.24			0.78		
Post	0.40	0.50	0.30	1.56	1.16	0.63	2.45	1.38	2.46	T.	0.94	T.	10.88
Putnam	0.60	0.00	0.45	3.30	3.95	0.00	2.02	0.00	1.65	0.00	0.00	0.00	11.97
Quanah	0.30	0.46	0.40	1.38	3.09	0.25	2.41	1.61	1.55	0.32	0.83	T.	12.60
Ratcliff	2.47	4.38	1.85	2.88	2.49	1.15	3.43	0.23	3.29	1.52	0.90	0.74	25.33
Raymondville	0.24	0.72	0.34	0.05	1.85	0.27	3.48	0.05	1.52	0.08	0.03	0.05	8.78
Ricardo	0.30	0.00	0.12	1.05	6.58	0.65	1.57	T.	3.05	0.40	0.00	T.	13.72
Ringo Crossing	1.91	2.40	5.01	7.00	4.08	0.38	4.58	3.77	4.14	0.00	2.90	0.00	35.27
Rio Grande	0.30	0.20	0.00	0.30	5.70	0.20	0.00	0.00	2.20	1.40	0.00	0.00	10.30
Riverside	5.89	2.94	1.72	5.48	1.89	1.45	1.67	0.15	4.04	1.17	0.77	0.35	27.32
Rochelle	0.50	T.	0.50	1.98	2.98	T.	0.59	2.24	1.04	0.20	1.24	T.	11.27
Rockland	1.90	2.37	1.83	1.88	1.31	0.80	3.18	1.10	1.40	0.70	0.89	1.12	19.43
Rockport	1.70	T.	0.75	0.87	1.11	0.00							
Rosenberg	2.41	1.59	0.44	2.06	2.20	0.60	6.21	2.57	1.37	0.50	0.78	1.00	22.33
Rossville	1.37	0.27	0.24	1.61	1.82	0.27	2.88	0.00	0.29	T.	0.75	T.	9.50
Runge	1.27	0.48	0.17	2.69	1.81	1.23	2.91	1.52	0.94	0.00	0.58	0.00	13.60
Sabinal	0.80	0.22	0.12	0.25	2.29	0.36	0.53	0.42	4.66	0.86	1.60	0.00	12.11
Salado	0.39	0.70	0.13	1.74	2.16	0.69	2.17	0.32	1.55	0.00	1.62	T.	12.17
San Angelo	0.50	0.10	0.22	0.55	2.81	0.90	0.90	0.41	1.90	T.	T.	T.	8.29
San Antonio	0.95	0.49	0.16	0.28	3.30	0.02	2.19	0.10	1.39	0.48	0.75	T.	10.11
San Augustine	2.96	5.67	1.57	5.70	3.09	0.20	5.27	0.33	3.23	1.85			
San Marcos	1.20	1.67	0.11	0.47	7.06	0.10	2.57	0.30	0.54	0.35	1.40	0.00	15.77
San Saba	0.46	0.24	0.65	3.10	4.08	0.35	0.38	0.75	2.96				
Santa Gertrudes	0.93			0.74	6.21	0.00	1.94	2.83	0.67	1.53			
Scaly	1.28	1.20	0.37										
Sherman	1.19	1.99	2.64	5.41	3.12	3.59	3.18	3.86	2.68	0.00	1.68	T.	29.34

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Smithville	.....	.....	.....	.....	5.20	0.00	3.34	0.68	1.51	0.00	0.97	T.	.....
Snyder	.....	0.00	.....	0.88	0.99	0.83	1.04	2.18	1.53	T.	.....	0.00	.....
Somerville	1.60	2.05	0.30	2.63	2.55	0.00	2.13	2.35	2.15	T.	1.20	0.00	16.96
Spur	0.50	0.43	0.28	1.26	1.77	0.27	1.62	1.47	3.23	0.09	0.00	0.00	10.92
Stamford	.....	.....	.....	1.31	2.37	0.00	1.36	1.23	1.46	0.24	.....	T.	.....
Stiles	0.15	0.00	0.10	0.48	1.45	0.41	0.64	0.76	1.33	0.00	0.00	0.00	5.32
Stratford	.....	0.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sugarland	1.09	0.87	1.35	1.45	2.34	0.04	6.10	0.86	1.51	0.21	1.17	0.60	17.59
Sutherland Springs	.....	0.65	0.37	0.36	2.79	0.30	1.88	.....	.....	.....	.....	.....	.....
Sweetwater	0.41	0.25	0.24	1.14	0.88	0.51	1.00	1.11	1.11	0.18	0.08	0.00	6.91
Tahoka	0.51	0.10	0.02	1.14	1.05	0.16	1.16	1.48	.....	.....	.....	.....	.....
Taylor	0.42	0.78	0.16	2.56	1.70	0.31	1.84	1.00	3.87	0.74	1.18	0.63	14.59
Teague	1.04	0.76	1.50	4.60	3.74	1.38	.....	.....	.....	.....	.....	.....	.....
Temple	1.16	0.77	0.37	2.74	2.89	2.35	2.06	0.85	1.86	T.	1.94	0.05	17.04
Thurber	0.72	0.68	2.20	2.54	4.65	1.21	1.14	1.03	3.18	0.19	0.74	T.	18.28
Trinidad	0.85	1.20	1.43	2.75	4.35	0.20	5.20	0.55	1.90	1.15	2.15	0.20	21.93
Troup	2.93	2.51	2.15	4.58	3.04	0.95	6.11	0.72	3.59	0.73	1.80	0.71	29.82
Tulia	1.04	0.00	0.20	1.02	2.30	0.10	2.55	3.71	1.46	0.05	0.15	T.	12.58
Uvalde	0.86	0.16	.....	0.20	1.89	5.29	1.00	0.60	1.06	0.27	0.98	0.00	.....
Valley Junction	1.60	0.90	0.85	2.16	1.82	0.60	0.55	0.00	0.60	0.00	1.80	0.20	11.08
Victoria	0.57	0.92	0.74	2.27	1.76	0.00	1.47	0.34	1.63	0.00	1.23	0.22	11.15
Waco	0.49	0.36	1.11	2.47	4.04	0.45	1.46	0.11	1.55	6.06	1.29	T.	13.39
Waxahachie	0.40	1.75	2.28	3.05	3.90	1.20	2.10	3.43	2.35	0.70	3.85	0.00	25.01
Weatherford	0.98	0.67	2.01	3.61	3.65	1.06	3.55	5.15	1.42	0.22	1.07	0.05	23.44
Wellington	0.12	0.05	0.05	1.82	2.53	0.88	1.67	3.54	1.94	0.17	0.90	0.00	13.67
Whitsett	0.47	0.10	0.13	0.31	1.09	T.	0.46	0.42	0.95	0.20	1.06	0.00	5.19
Wichita Falls	0.30	1.00	0.32	1.50	3.55	1.40	3.85	3.05	1.15	0.00	1.65	0.10	17.87
Wills Point	1.02	2.17	2.84	3.81	3.71	0.88	4.98	1.67	0.79	1.04	4.12	0.68	27.71
Winfield (near)	3.27	2.65	3.10	5.90	2.06	0.08	7.78	3.15	2.35	0.30	2.80	0.80	33.64
Winters	.....	0.10	0.00	1.75	2.85	.....	0.49	0.90	1.65	0.00	0.31	0.00	.....
Woodsboro	0.25	0.00	0.55	2.05	1.50	T.	1.11	0.00	0.53	0.53	1.02	0.06	7.02
Woodville	.....	.....	.....	5.11	1.92	0.77	1.10	3.53	2.25	0.97	1.77	2.26	.....
Utah.													
Alpine	1.80	1.60	1.60	2.09	3.36	0.25	1.13	0.10	1.05	0.05	2.01	2.10	17.14
Alton	1.76	1.62	0.29	3.05	1.62	0.01	1.57	0.76	1.32	0.05	0.17	0.00	12.22
Alunite	.....	.....	.....	.....	1.91	0.06	2.06	0.38	1.49	0.07	0.45	0.18	.....
Beaver Creek Nursery	.....	.....	.....	.....	3.07	0.77	1.75	0.61	2.07	0.10	.....	.....	.....
Benmore	0.66	1.12	0.88	1.16	3.52	0.08	0.81	0.31	0.53	0.00	0.83	0.14	10.04
Big Plains	.....	.....	.....	3.65	1.73	0.00	1.85	0.58	0.56	0.00	.....	.....	.....
Black Rock	1.30	1.40	0.60	0.60	1.70	0.00	1.35	0.10	0.82	0.00	0.83	T.	8.70
Blacks Fork	1.00	1.60	1.31	2.91	.....	.....	.....	.....	2.47	0.52	0.32	1.48	.....
Blanding	1.93	0.60	0.20	2.22	0.79	0.00	2.03	0.43	0.40	T.	0.10	0.00	8.70
Bluff	.....	.....	.....	0.74	0.45	0.03	.....	0.64	0.52	0.00	.....	.....	.....
Brigham City	0.96	3.31	0.83	1.81	3.60	0.36	1.36	0.01	1.89	0.00	1.35	0.49	15.97
Burrville	.....	.....	.....	1.31	1.01	0.10	1.69	0.40	1.15	0.15	0.00	0.06	.....
Canaan	1.61	1.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Castle Dale	0.30	T.	0.00	1.97	1.33	0.12	0.32	0.68	1.63	0.00	0.10	0.00	6.45
Castle Rock	0.95	4.00	1.80	1.20	2.59	T.	2.35	0.37	1.17	.....	.....	.....	.....
Cedar City	1.14	0.15	1.30	2.01	2.03	0.11	2.75	0.82	0.79	0.00	0.77	0.04	11.91
Cedar Fort	0.65	1.01	1.20	0.56	2.83	.....	.....	.....	.....	.....	.....	.....	.....
Clarkston	0.70	3.90	1.55	1.40	3.00	0.65	1.10	0.00	1.90	0.00	2.40	0.70	17.30
Corinne	1.80	3.30	0.41	1.59	3.20	T.	1.62	T.	1.13	0.00	1.30	0.40	14.75
Cottonwood Nursery	.....	.....	.....	.....	.....	0.45	1.21	1.67	2.40	0.74	.....	.....	.....
Cottonwood Sevier	.....	.....	.....	.....	.....	0.07	3.48	0.95	.....	.....	.....	.....	.....
Cottonwood Weir	.....	.....	.....	.....	4.37	0.31	0.91	0.07	1.04	0.06	1.21	0.09	.....
Deseret	0.55	0.90	0.26	0.91	1.73	T.	1.61	0.44	0.79	0.00	1.44	0.43	9.06
Dry Gulch Ranger Station	.....	1.90	0.40	2.50	.....	0.24	1.35	0.41	2.16	.....	0.48	0.14	.....
Duchesne	0.76	0.22	0.14	1.79	2.89	0.24	1.30	0.58	1.52	0.05	0.14	0.07	9.70
East Fork	.....	.....	.....	.....	.....	0.00	0.74	0.88	.....	.....	.....	.....	.....
East Portal	1.02	1.52	0.74	1.70	2.93	0.32	1.48	0.59	1.14	0.08	0.47	0.64	12.63
Elberta	0.53	0.95	.....	0.73	1.77	0.00	.....	.....	.....	.....	.....	0.17	.....
Elkhorn-Ashley	.....	.....	.....	.....	.....	0.28	2.51	0.79	2.11	0.12	0.05	0.13	.....
Emery	0.38	0.30	0.10	2.00	2.23	0.20	1.75	0.15	1.72	0.00	0.00	0.00	9.43
Enterprise	0.59	1.71	0.87	1.23	2.05	0.03	0.27	0.03	0.40	0.00	0.11	0.20	7.49
Erekson	0.66	.....	0.11	0.38	2.82	0.00	0.84	0.24	.....	.....	.....	.....	.....
Escalante	1.13	1.00	T.	1.00	1.56	0.00	1.09	0.82	1.53	0.00	.000	0.00	8.73
Farmington	2.41	3.39	3.29	1.62	2.39	T.	1.67	T.	1.55	0.10	1.71	0.73	18.86
Fillmore	1.14	0.82	1.20	2.40	2.40	0.05	0.58	1.11	0.32	0.00	1.21	0.29	11.52
Fishlake	.....	.....	.....	.....	.....	.....	1.53	1.51	0.73	.....	.....	.....	.....
Fort Duchesne	.....	0.26	0.22	0.69	2.98	0.00	1.05	0.08	1.67	0.00	0.00	0.00	.....
Fruitland	1.01	0.41	0.18	1.45	2.21	0.27	1.35	0.20	.....	.....	.....	.....	.....
Garland	0.36	1.63	1.31	0.93	3.64	0.31	0.70	0.03	1.22	0.13	1.32	0.33	11.91
Garrison	0.30	0.29	0.51	2.05	.....	0.00	0.04	0.30	.....	.....	.....	.....	.....
Gooseberry Ranger Station	.....	.....	.....	.....	.....	.....	2.66	.....	1.53	.....	.....	.....	.....
Government Creek	0.95	0.67	0.81	1.02	3.23	0.07	0.88	0.98	0.55	0.05	1.21	0.22	10.64
Grantsville	0.51	0.87	0.82	2.05	2.83	T.	1.16	0.32	0.84	0.00	0.09	0.16	9.65
Great Basin Experiment Station	3.42	3.47	2.04	5.91	5.63	0.55	1.78	1.46	1.46	0.05	2.80	.....	.....
Great Basin Experiment Station (Alpine)	2.60	1.63	1.93	6.04	4.74	0.35	0.97	1.54	1.23	0.04	2.18	.....	.....
Green River	0.80	0.40	0.18	1.20	1.10	0.02	T.	0.06	0.62	0.00	0.00	0.00	4.38
Hanksville	0.67	0.00	0.08	1.12	1.56	0.00	0.80	0.40	1.38	0.00	0.00	0.00	6.01
Hatch	0.53	0.43	0.36	1.31	1.96	T.	1.52	0.62	1.34	0.05	0.19	T.	8.31
Hayden	0.84	0.64	0.68	1.44	3.19	0.10	0.95	0.46	.....	.....	0.07	.....	.....
Heber	0.70	2.11	0.82	1.40	3.40	0.45	0.77	0.12	1.37	0.05	0.67	0.30	12.16
Henefer	1.33	2.99	1.52	0.78	3.92	0.14	0.75	0.03	1.64	0.15	1.05	1.01	15.31
High Line City Creek	2.44	2.05	5.02	2.79	4.67	0.26	0.74	0.32	1.41	T.	1.57	1.24	22.51
Hole-in-the-Rock	1.10	1.00	0.70	2.60	3.70	0.32	1.50	1.00	0.96	0.23	0.67	.....	.....
Holstein Ranger Station	1.22	2.74	1.93	2.10	2.59	0.40	2.19	0.55	1.57	.....	.....	.....	.....
Howell	1.00	1.30	1.20	1.30	1.70	T.	0.85	.....	.....	.....	.....	.....	.....
Huntsville	.....	3.52	1.53	0.55	2.23	0.42	2.98	0.56	1.86	0.22	1.74	0.82	16.33
Hurricane	1.12	0.45	0.15	3.30	1.80	.....	.....	.....	1.67	.....	0.50	.....	.....
Ibapah	0.82	0.87	0.54	0.68	3.82	0.07	0.05	0.75	1.00	0.00	0.66	0.02	9.28
Indian Farm	0.65	0.63	0.62	1.34	4.19	0.02	1.09	0.29	0.47	T.	1.05	0.02	10.37
Iosepa	1.23	0.98	0.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Utah—Continued.													
Joseph		0.10	0.26	0.58	1.52		1.19	0.83	0.54	0.00	0.14	0.18	
Jozella Ranch	0.30	1.20	T.	1.71	2.35	T.	1.97	0.14	0.25	0.18	0.07	0.41	8.58
Kanab		0.79	0.13	3.30	1.50	0.00	4.23		0.71				
Kanosh	1.35	0.42	1.90	3.35	3.15	0.00	1.12	0.80	0.30	0.00	0.90	0.02	13.31
Kelton	0.38	0.90	1.00	1.00	1.55	T.	0.31	T.	0.84	0.00	0.74	0.06	6.78
Koosharem Ranger Station						0.00	0.84	1.30	1.12	0.23			
Lakestown	0.32	2.17	0.74	1.10	2.66	0.37	0.95	0.25	0.77	0.08	0.38	0.46	10.25
Lake View Farm	0.93	1.55	0.55	3.42	2.69	0.02	0.40	0.85	0.58	0.26	0.72	0.33	12.30
La Sal	0.82	0.24				0.00		1.54	1.21	0.00	0.00	0.00	
Leeds (near)	1.10	1.28	T.	3.62	1.87	0.00	1.02	0.42	0.42	0.00	0.60	T.	10.33
Lehi	2.19	0.98	0.20	1.59	2.97	0.00	1.17	0.27	1.02	0.08	1.66	0.05	12.18
Lemay	0.45	0.44	T.	T.	1.22	0.05	0.45	T.	0.86	0.00	0.53	0.00	3.20
Levan	1.08	1.52	0.42	1.83	3.56	0.01	0.46	0.65	0.94	0.09	1.77	0.50	12.83
Lockerby		2.79	0.97	4.98	1.36	0.14	0.65		0.22	0.35	0.02	0.01	
Logan	0.91	4.51	1.88	2.84	4.21	0.48	0.48	0.00	1.34	0.07	0.77	0.65	18.14
Lone Tree	0.61	0.37	0.31	0.67	2.23				1.10				
Low								0.00	0.00	0.00	0.00	0.00	
Lowder Ranger Station							3.32	2.10	1.36				
Lower American Fork	1.27	1.20	0.93	1.76	3.48	0.20	0.88	0.12	1.22	0.14	1.17	1.03	13.40
Lower Mill Creek	1.46	1.95	3.43	2.48	4.52	0.28	1.66	0.15	1.34	0.14	1.80	0.61	19.82
Lucin	0.14	0.41	0.17	0.45	2.46			0.00	0.97	0.00	0.20	0.06	
Mammoth Ranger Station								1.65	1.60				
Manila	0.67	1.15	0.33	2.60	3.62	0.20	1.86	0.22	0.88	0.22	0.54	0.30	12.59
Manti	0.78	0.88	0.73	2.49	4.07	T.	0.46	0.74	0.71	0.11	0.83	0.20	12.00
Marysvale		0.15	0.25	0.60								0.00	
Midlake	0.45	0.16	0.04	0.30	2.38	T.	0.25	0.00	0.15	0.00	0.10	0.10	3.93
Midvale	0.91	1.66	1.78	1.13	3.15	0.21	0.78	0.09	0.66	0.17	1.69	1.06	13.29
Milford	0.97	0.33	0.64	0.99	1.33	0.04	1.67	0.35	0.70	0.15	1.19	0.65	9.01
Millis	0.47	0.66	0.06	1.31	2.05	0.04	0.72	0.59	0.99	0.00	1.05	0.32	8.26
Millville	0.78	3.28	1.49	2.55	3.62	0.61	1.13	0.00	1.80	0.35	0.70	0.61	16.92
Minersville	0.65	0.12	0.65	0.95	1.06	0.01	1.06	0.43	0.76	T.	1.02	0.30	7.01
Moab	1.66	0.10	0.54	2.78	1.47	0.17	0.55	0.03	0.78	0.02	0.13	0.06	8.29
Modena	1.06	0.83	0.68	1.17	2.23	T.	1.03	0.26	0.79	0.00	0.16	0.20	8.41
Mobrland	0.20	1.39	0.00	0.94	2.61	0.00	0.79	0.93	1.90	0.00	0.60	0.00	9.36
Monticello	1.81	1.90	0.85	4.05	2.07	0.25	1.73	2.01	0.96	0.00	0.15	0.15	15.93
Monticello Ranger Station	1.66	1.93		3.85	1.91	0.00	1.66	1.78	1.33	0.00	0.05	0.00	
Morgan	0.65	1.79	0.75	1.09									
Moroni	0.59	1.21	0.43	2.22	2.77	0.09	0.87	0.16	1.22	T.	1.22	0.19	10.97
Mosida	0.46	0.60	0.25	0.16	3.25	0.14	1.30	0.59					
Mountain Home					1.83				1.85	T.			
Mountain Ranch Ranger Station						0.12	1.13	1.44	1.17				
Myton	0.53	0.17	0.03	0.93	2.22	0.26	0.89	0.39		0.00	0.17	0.05	
Nada	1.29	0.83	1.29	1.28	1.21	0.08	2.45	0.32	0.51	0.12	0.72	0.36	10.46
Nephi (near)	0.24	0.90	0.33	1.46	3.28	0.21	0.44	0.29	0.81	0.07	1.06	0.54	9.63
New Harmony	0.36	1.34	0.38	1.04	3.12		2.26		1.12		0.00		
Oak City				1.72	2.88	0.07	0.58	0.72	1.27	0.00	1.25	0.35	
Ogden	0.76	1.89	0.95	2.26	1.82	0.26	2.20	0.26	1.64	T.	1.60	0.50	14.14
Orderville	1.58	1.84	0.16	3.32	1.56	T.	2.67	0.58	1.38	0.00	0.32	0.00	13.41
Panguitch	0.51	0.16	0.50	1.44	1.64	T.	0.76	0.88	0.70	0.00	0.00		
Panguitch Lake							0.94	1.40	0.57				
Park City	0.90	2.40	2.40	2.40	0.80	T.	T.	0.58	1.07	T.	1.10	0.90	12.55
Park Valley	0.57	1.13	0.30	0.61	2.55	0.05	0.90	0.69	0.77	0.09	0.81	0.10	8.57
Parowan	1.49	0.30	1.05	2.15	3.12	0.16	1.98	1.14	0.74	0.21	0.85	0.21	13.40
Pasadena Ranch	2.35	1.30	1.80	1.37	1.39	0.03	1.32	0.93	0.48	0.00	0.68	0.37	12.02
Payson	1.10	1.05	1.33	1.73	3.86	0.38	4.45	0.27	0.69	0.00	1.35	0.63	16.84
Pine Crest	2.50	3.58	6.80	2.96	3.80	0.15					1.59	1.02	
Pine Valley	1.12	1.40	0.90		1.15								
Pine View			0.30				1.05		1.61				
Pinto	0.34	0.51	1.67	1.34	2.72	0.05	2.43		0.80		0.71	0.10	
Piute Dam	0.71	0.04	0.17	1.27	0.96	0.00	1.53	0.69	0.86	0.29	0.20	0.03	6.75
Price		0.77	0.03	0.52	0.87	T.	0.47	1.06	1.22	0.04	0.20	T.	
Provo	1.22	1.00	1.00	2.36	3.25	0.42	1.91	0.14	1.29	T.	0.95	0.85	14.39
Provo Bench	1.11	0.92	1.26	1.78	3.68	0.49	1.25	0.29	1.29	T.	1.02	0.80	13.89
Randolph	0.51	1.27	0.95	0.38	2.27	T.	1.16	1.65	1.20	0.85	0.00	0.50	10.74
Richfield	0.80	0.05	0.10	1.28	1.32	T.	0.61	0.34	0.65	0.00	0.03	T.	5.18
Richmond	1.78	2.82	1.76	2.10	4.24	0.62	0.86	0.38	1.78	0.23	1.57	0.86	18.95
Riverdale	1.08		1.40	0.90	1.08	0.22	1.82	0.00	1.92	0.00	1.56	0.32	
Rozel	0.60	1.71	1.10	1.38	1.68	0.26	0.26	0.00	0.97	T.	1.07	0.15	9.18
St. George	0.36	1.12	0.16	1.77	1.44	0.00	1.31	0.85	0.40	0.00	0.17	0.00	7.58
St. John	1.10	0.76	0.50	1.36	2.94	0.00	2.11	0.85	0.64	T.	0.75	T.	11.01
Saltair	0.92	1.33	1.26	1.94	2.19	0.19	1.28	0.39	1.58	0.02	1.55	0.50	13.15
Salt Lake City	0.91	1.22	2.61	1.49	3.48	0.19	0.68	0.71	1.16	0.03	1.31	0.38	14.17
Santaquin	1.17	1.13	1.78	1.42	3.43	0.15	2.11	T.	0.28	0.01	1.27	0.16	12.91
Scipio	0.87	2.11	0.19	1.51	2.22	0.02	0.59	0.70	1.15	0.42	0.30	0.29	10.37
Scofield	0.04	1.42	1.06	2.09	2.58						1.51		
Silver City	1.98	1.08			4.26		1.17						
Silver Lake	2.13	5.23	4.14	3.27	4.10	0.53	1.17	1.57	2.26	0.96	1.51	2.65	29.62
Snake Creek	1.24	4.12	1.79	2.37	2.72	0.30	1.03	1.50	1.25	0.43	1.34	1.34	19.53
Snowville	0.92	1.85	0.60	0.73	2.89	0.20	0.18	0.25	0.90	0.00	1.46	0.00	9.98
Spanish Fork	2.35	0.44	1.70	2.27	5.25	0.02	1.23	T.	0.46	0.03	1.07	0.51	15.33
Springdale	0.95		0.91	5.42	2.13		0.30						
Standard	0.87	1.30	0.35	1.07	1.52	0.39	2.46	0.44	1.26	0.02	1.21	0.40	11.79
Sunnyside	0.61	1.70	0.55	2.00		0.00	2.53						
Teasdale	0.63	0.11	0.62	1.65	2.06	T.	1.49		1.72	0.00	0.00	0.00	
Thistle	1.65	1.35	1.57	2.38	3.59	0.19	1.05	0.01	1.09	0.04	0.86	0.60	14.38
Toole	1.36	1.49	1.58	2.79	4.23	0.15	1.60	0.12	1.03	0.04	1.69	0.25	16.33
Tremonton	0.48	2.89	1.10	1.46	3.38	0.44	0.71	0.37	1.19	T.	1.48	0.45	13 95
Tropic		2.00					0.39	0.89	0.00	0.00	0.00	0.00	
Trout Creek Ranger Station							0.90				1.35		
University of Utah	1.17	0.97	2.38	1.25	3.51	0.19	0.89	0.70	1.44	0.00	1.51	0.48	14.49
Vernal	0.70	0.58	0.64	0.54	2.53	0.02	0.57	0.00	1.46	0.02	0.05	0.24	7.35
Victor	0.30	0.50	0.00	0.53	1.15	0.00	1.25	0.19	1.56	0.00	T.	0.00	5.48
Watson (near)	0.98	0.35	1.21	1.59	2.13	0.02	0.80	0.36	1.42	0.00	0.19	0.00	9.05
Warner Ranger Station							1.52	0.37	1.32				
Wendover	0.08	0.75	0.00		2.17	0.00	0.26	0.00	0.47	0.00	0.70	T.	

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Utah—Continued.													
Whiskey Creek	0.87	0.75	0.41	1.53	2.38	0.03	0.11	0.24	0.71	0.00	0.80	0.13	7.76
Widtsoe	0.67	2.60	0.42	0.20	1.26	0.10	2.31	0.13	0.82	.....	.....	0.00	.....
Woodruff	0.45	1.84	0.25	0.35	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yellow Pine	.....	.....	.....	.....	.....	.....	0.90	0.85	1.14	.....	.....	.....	.....
Vermont.													
Bloomfield	2.94	1.29	2.86	1.79	1.62	5.84	3.38	7.64	2.24	7.08	0.45	1.83	38.96
Burlington	2.18	1.60	2.99	2.42	2.00	3.69	1.88	3.52	3.62	5.76	0.95	1.10	31.71
Cavendish	3.04	2.16	2.87	2.80	4.24	4.56	1.52	2.08	0.87	5.37	1.16	4.57	35.24
Chelsea	2.21	0.94	2.29	.....	2.23	4.81	2.52	5.16	1.51	5.67	0.76	2.35	.....
Cornwall	1.87	1.08	2.51	1.95	2.08	3.72	2.15	3.56	1.86	6.60	0.89	1.42	29.49
Enosburg Falls	2.33	1.54	1.13	2.27	2.38	4.21	5.62	4.44	3.41	7.09	0.99	1.51	37.92
Hyde Park	2.85	1.10	2.12	3.16	2.00	7.59	6.45	7.23	2.10	6.54	1.38	2.13	44.65
Northfield	3.20	0.74	2.20	2.05	2.28	5.40	3.08	3.18	1.40	5.82	1.04	1.90	32.29
Norwich	3.64	1.24	2.20	2.14	2.63	5.85	1.88	4.18	1.05	5.41	0.64	2.85	33.71
Rutland	2.29	1.65	1.50	1.74	1.70	3.76	2.17	4.00	1.12	5.79	0.42	1.32	27.46
Somerset	4.70	3.54	4.70	2.05	4.89	4.57	4.01	6.83	1.21	8.26	0.91	3.63	49.30
St. Johnsbury	2.84	1.21	2.13	2.29	1.82	6.13	3.10	7.86	1.61	5.68	1.04	1.77	37.43
Vernon	3.37	1.92	2.63	1.52	3.10	4.48	1.16	3.39	0.64	5.07	0.60	1.71	29.59
Wells	2.47	1.49	2.22	1.83	2.05	4.04	2.70	4.36	1.06	6.15	1.28	1.98	31.63
Woodstock	3.05	1.09	1.79	1.66	4.19	5.69	1.83	2.26	0.98	5.49	0.89	2.26	31.18
Virginia.													
Arcola	2.23	2.38	4.68	3.46	1.99	4.05	7.05	3.20	1.54	5.62	0.74	1.03	38.06
Ashland	3.13	1.87	6.48	3.07	4.20	5.82	8.22	5.37	4.20	4.59	0.51	1.26	48.72
Blacksburg	4.09	3.14	6.62	3.54	3.58	1.34	5.60	1.16	2.36	3.59	0.62	3.17	38.90
Buchanan	3.06	2.99	7.75	4.36	2.64	4.06	4.85	2.44	1.91	3.82	0.35	1.65	39.88
Burkes Garden	4.89	5.29	9.27	3.15	2.63	2.48	3.47	1.52	2.48	4.45	0.47	1.80	41.90
Callaville	3.64	2.46	7.41	2.77	4.09	4.05	12.62	2.12	4.88	3.44	1.05	2.23	50.76
Cape Henry	2.27	1.85	4.08	2.07	2.09	5.68	8.67	2.47	3.74	3.07	0.63	2.78	39.40
Catawba Sanatorium	3.17	3.11	6.91	3.32	2.88	1.85	4.78	2.09	2.56	3.67	0.43	1.54	36.31
Charlottesville (near)	2.10	1.53	6.66	3.81	2.67	5.49	3.78	8.11	2.28	4.83	0.34	1.37	42.97
Clarksville	3.15	1.31	6.34	1.05	3.80	7.31	8.85	1.80	5.22	3.06	0.75	1.53	44.16
Columbia	3.07	2.[illegible]	5.44	3.82	3.55	3.05	3.72	2.27	3.15	4.71	0.29	2.10	37.22
Culpeper	.....	.....	.....	.....	.....	4.60	4.80	4.20	2.50	4.05	0.60	1.60	.....
Dale Enterprise	1.97	1.92	5.26	3.32	3.25	2.59	3.50	2.21	2.17	3.45	0.26	1.72	31.62
Dante	.....	.....	.....	.....	.....	.....	.....	3.68	4.75	2.22	0.45	1.36	.....
Danville	4.37	2.01	6.61	2.33	4.11	5.36	3.56	5.96	4.75	2.89	0.62	1.98	44.55
Diamond Springs	1.95	2.35	4.97	3.14	2.40	5.71	13.57	2.01	5.33	5.49	0.93	2.86	50.71
Doswell (near)	1.26	1.15	5.89	.....	2.86	4.73	6.44	3.47	3.57	4.37	0.39	1.28	.....
Dry Bridge	3.02	2.34	4.63	2.67	4.42	4.07	6.94	2.80	.....	3.48	0.50	1.12	.....
Elk Knob	7.24	4.70	12.08	3.45	2.26	3.04	6.17	4.68	2.73	3.56	0.33	1.36	51.90
Fredericksburg (near)	2.33	1.79	6.69	2.80	3.03	3.79	4.77	3.85	1.83	3.23	0.62	1.72	36.45
Gordonsville	2.40	1.37	6.50	3.55	3.20	6.45	5.85	6.45	3.35	4.40	0.50	1.45	45.47
Hawfield	.....	.....	.....	.....	.....	.....	.....	3.98	2.90	4.03	0.73	1.71	.....
Hopewell	.....	2.60	6.02	2.69	4.53	.....	.....	.....	.....	.....	0.66	.....	.....
Hot Springs	2.64	3.32	6.77	3.75	3.90	1.05	3.32	2.89	1.81	3.04	0.25	1.64	34.47
Ivanhoe	3.38	1.43	4.96	2.16	1.78	1.13	2.83	1.08	2.19	1.99	0.31	2.38	25.62
Ivor	3.29	1.01	10.07	2.35	3.60	7.75	9.02	2.40	6.26	5.91	1.45	2.60	55.71
Kindrick[1]	3.21	1.82	5.28	2.76	3.38	1.85	.....	1.60	.....	1.12	1.00	1.98	.....
Lassiter	2.78	1.59	5.77	1.88	3.53	4.53	6.09	2.31	5.43	2.77	0.95	1.39	39.02
Leeds Manor	1.78	2.22	5.28	4.41	2.05	2.67	6.55	5.25	2.08	6.17	0.41	1.18	40.05
Lexington	2.88	2.03	5.97	4.04	2.02	.....	4.23	2.03	1.17	2.97	0.24	1.21	.....
Lincoln	1.22	.....	2.03	2.02	2.01	3.61	5.06	4.56	1.38	5.69	0.66	0.93	.....
Lynchburg	2.69	1.66	4.97	3.10	2.21	5.17	2.97	3.53	1.96	2.24	0.25	1.70	32.45
Mayhurst	2.26	1.69	6.24	3.99	3.44	3.32	5.41	4.37	2.66	4.56	0.85	2.04	40.82
Mendota	6.78	3.88	10.35	3.58	2.36	4.02	4.48	4.33	3.44	3.37	0.85	2.05	49.49
Mineral	2.07	1.45	6.38	3.55	3.11	4.24	5.11	5.67	3.01	4.57	0.50	1.47	41.13
Mount Moriah Farm	1.34	1.60	5.49	.....	2.76	4.99	5.13	.....	.....	.....	.....	.....	.....
Mount Weather	1.94	2.05	3.59	2.33	2.76	3.55	7.20	2.82	1.51	7.32	0.43	1.04	36.84
Narrows	2.25	2.83	6.43	2.06	2.09	2.19	3.37	0.65	1.54	3.46	0.22	2.53	29.62
New Canton	2.72	1.74	5.82	3.96	3.21	4.12	3.47	4.45	5.01	5.03	0.27	1.77	41.57
Newport News	2.56	2.56	6.75	2.67	3.25	8.35	9.41	2.81	3.86	3.54	0.77	2.37	49.00
Norfolk	2.28	1.88	4.60	2.61	1.98	4.65	11.73	4.54	5.26	2.89	0.59	2.62	45.63
North Holston	6.28	4.73	8.97	2.96	2.69	4.25	6.49	1.95	2.27	3.11	0.86	1.79	46.35
Radford	3.17	2.43	5.18	1.77	3.69	1.04	5.36	0.36	2.90	2.60	0.49	1.85	30.84
Randolph	4.14	3.49	8.35	2.69	4.10	6.46	4.92	0.57	2.65	3.27	0.16	1.69	42.43
Richmond	2.98	2.28	5.97	2.56	4.59	5.31	6.28	2.74	4.62	3.78	0.44	1.72	43.27
Roanoke	2.80	2.08	5.62	3.25	2.09	2.67	3.96	0.76	1.71	2.63	0.49	2.22	30.28
Rocky Mount	3.35	1.95	5.05	3.67	2.63	2.81	5.87	2.13	1.87	3.73	0.53	1.69	35.28
Runnymede	2.90	2.32	8.95	3.08	3.04	6.52	11.86	1.79	6.10	5.22	1.04	2.89	55.72
Speers Ferry	4.51	3.29	10.01	2.44	2.57	3.76	7.31	2.55	1.75	1.91	0.27	1.70	42.07
Staunton	1.79	1.70	6.24	4.36	2.88	1.83	4.82	3.49	2.47	2.97	0.22	1.26	34.03
Swansonville	.....	.....	.....	.....	.....	.....	.....	.....	1.19	1.96	0.61	1.69	.....
Wachapreague	3.34	2.31	7.29	.....	4.05	6.37	5.55	.....	.....	5.50	0.85	2.00	.....
Warsaw (near)	3.60	2.28	.....	3.35	3.45	3.40	7.11	2.55	2.60	.....	0.85	0.85	.....
Washington, D. C	2.57	1.97	5.12	2.16	1.84	6.25	9.41	0.77	1.34	4.81	0.53	1.47	38.24
West Point	4.55	1.83	5.60	2.90	4.07	7.06	9.21	1.80	6.15	6.16	0.90	1.53	51.78
Widewater[2]	2.18	2.32	6.42	3.09	2.70	.....	.....	.....	.....	.....	.....	1.00	.....
Williamsburg	3.57	3.09	7.47	2.88	3.95	6.11	7.93	1.54	5.54	4.97	1.07	2.55	50.57
Winchester	2.73	2.01	4.84	2.40	2.25	2.96	3.31	3.99	3.24	5.60	1.04	1.38	35.75
Woodstock	2.18	1.80	4.10	2.09	2.19	0.27	3.92	4.03	3.34	4.93	0.18	0.99	29.77
Wytheville	3.77	2.56	4.58	2.40	2.18	2.17	3.68	2.34	1.80	2.82	0.39	2.22	30.91
Washington.													
Aberdeen	10.20	7.73	10.61	9.20	0.94	3.60	0.55	0.50	3.91	1.03	5.10	24.43	78.43
Anacortes	4.19	3.00	3.03	4.00	0.94	4.29	0.34	0.34	1.70	1.24	2.29	12.46	37.32
Anatone	5.90	1.70	3.00	2.97	3.60	1.16	T.	T.	3.40	T.	1.20	6.54	30.07
Attalia	0.42	0.74	0.23	1.63	1.25	0.14	0.00	0.00	0.22	0.00	0.91	2.00	7.54
Bellingham	5.23	3.04	3.23	5.23	0.75	4.94	0.34	0.52	2.85	2.06	3.77	13.32	45.27
Blaine	.....	.....	.....	.....	.....	.....	.....	.....	2.28	2.67	4.02	13.36	.....

[1] Mouth of Wilson-Edgewater.

[2] Quantico for January to May, inclusive.

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington—Continued.													
Blewett	2.06	1.90	2.75	2.15							2.55	11.17	
Bremerton	1.33	1.64	3.36	4.27	0.80	2.50	0.27	0.00	1.38	0.16	3.99	11.00	30.70
Brewster	0.09			1.52	1.16	1.11	0.10	T.	0.11	0.00	1.21	1.32	
Buckley	5.41	3.02	4.31	8.39	1.13	6.66	0.33	0.03	1.93	0.63	4.31	17.03	53.23
Bumping Lake	4.11	3.13	5.39	4.58	0.93	2.21	0.19	0.00	1.01	0.72	3.80	25.83	51.90
Castle Rock							T.	0.08	1.99	0.29	4.14	25.56	
Cedar Lake	18.10	9.00	14.15	15.60	2.55	12.80	0.50	0.35	3.75	4.30	9.90	46.80	137.80
Centralia	4.27	2.33	5.60	5.41	1.38	2.91	0.03	0.20	2.62	0.33	3.27	17.36	45.71
Clearbrook	6.40	3.80	5.15	7.08	0.85	6.21	0.69	0.92	2.19	3.21	5.38	14.15	56.03
Cle-Elum	2.89	2.28	5.21	2.05	0.67	0.59	0.34	0.00	0.45	0.70	1.44	13.64	30.26
Colfax	2.00	2.27	1.17	4.04	1.83	1.05	0.00	0.00	0.50	0.00	0.65	6.27	19.78
Colville	1.08	0.65	0.33	1.02	1.75	0.70	0.01	0.03	0.69	0.19	0.55	2.33	9.33
Conconully	0.10	1.58	1.67	2.28	1.56	1.01	0.05	0.10	0.15	0.01	1.04	2.46	12.01
Coupeville	3.51	2.00	1.37	1.87	0.70	3.32	0.07	0.16	0.91	0.65	1.28	6.73	22.57
Cowiche	0.14	0.92	0.44	0.42	0.44	0.30	0.00	0.00	0.40	0.00	1.44	2.58	7.08
Darrington	11.74	5.07	12.02	9.02	1.47	6.12	1.05	0.13	2.74	2.51	5.74	28.09	85.70
Davenport	0.82	0.90	1.29	2.57	2.80	0.73	T.	0.00	0.46	T.	1.22	1.74	12.53
Davis Ranch			9.22	6.28	0.81	4.71	1.20	0.13	3.13	4.59	7.71	29.75	
Dayton	1.36	1.13	0.47	3.95	2.24	0.84	T.	T.	1.51	T.	1.33	6.25	19.08
Deer Park	1.97	1.71	2.14	3.76	2.51	0.99	T.	0.00	0.48	0.15	1.59	3.84	19.14
Detroit	4.88	2.54	6.19	6.80	1.17	2.55	0.06	0.03	2.09	0.45	4.25	21.22	52.73
Dirtyface Mountain	5.05	2.77	7.62	4.09	0.51	1.09	0.36	0.03	0.80	0.85	3.39	19.37	45.93
Douglas Lake	4.86	2.84	2.48	3.15	0.81	3.93	0.14	0.29	1.44	1.06	2.13	11.87	35.00
Dryden	0.92	1.78	2.42	3.44	0.61	0.40	T.	0.00	0.27	T.	2.43	7.90	20.17
Ellensburg	0.70	0.67	0.38	0.53	0.18	0.38	0.02	0.00	0.55	T.	1.34	3.06	7.81
Eureka	0.87	0.64	0.43	2.03	1.39	0.22	0.00	0.00	0.69	0.00	1.09		
Everett	5.51	2.13	5.25	5.76	1.36	5.20	0.36	0.11	1.35	0.97	2.52	8.29	38.81
Fairfax	8.80	4.17	7.29	8.00	1.87	7.40	0.44	T.	2.59	0.71	4.60	24.33	70.20
Forks	12.40	11.76	14.62	12.12	2.00	3.53	0.83	1.15	3.93	5.79	8.98	31.34	108.45
Fort Simcoe	0.65	0.85	0.27	1.05	0.60	T.	0.00	0.00	0.45	0.00	1.50		
Glacier	6.79	4.91	7.05	4.65	1.40	4.14	0.73	0.75	2.82	3.39	7.30	24.81	68.74
Glenoma				7.03	1.36	4.80	0.24	0.00	2.47	1.34		23.72	
Goat Lake	8.44	6.74	12.22	4.14	1.87	5.04	1.50	1.36	3.36	3.68	7.32	27.99	83.66
Gold Creek	2.08	0.82	1.60	2.29	1.20	0.70	T.	0.00	0.50	0.05	1.50	8.20	18.94
Goldendale	1.45	1.42	1.32	2.13	0.81	0.26	0.00	0.00	0.19	0.00	2.80	6.00	16.38
Granger	0.30	1.65		0.61	0.68	0.12	T.	0.00	0.37	0.00	1.26	1.24	
Granite Falls	9.95	3.60	9.13	9.08	1.95	8.41	0.95	0.01	2.74	2.75	3.69	18.71	70.18
Hanford	1.00	0.28	0.31	0.72	0.57	0.09	T.	0.00	0.07	0.00	0.81	0.50	4.35
Harrington	0.61			2.32	2.08	1.68	0.00	0.00	0.45	T.	1.07	2.04	
Hatton	0.62	0.65	0.64	2.22	1.47	0.18	0.03	0.00	0.33	0.00	0.76	1.69	8.59
Headworks			5.42	5.86	1.42	3.88	0.16	T.	1.76	0.27	3.55	16.67	
Hunters	0.68	0.73	1.09	2.81	1.34	0.85	T.	0.00	0.57	0.04	1.08	2.05	11.24
Huntsville	1.17	1.18	0.96	3.47	2.14	0.52	T.	T.	1.31	T.	1.26	5.02	16.93
Irene Mountain	0.46	1.11	0.33	1.38	3.07	0.50	0.24	T.	0.84	0.25	0.67	1.35	10.20
Kahlotus	0.55	0.86	0.51	1.72	1.65	0.42	0.00	T.	0.72	T.	0.77	2.13	9.33
Kalama (near)			10.67	10.43	2.10	2.74	0.18	0.02	3.25	0.69	6.13	21.83	
Kennewick	0.53	0.39	0.16	0.92	0.75	0.37	0.00	0.00	0.26	0.00	0.87	1.87	6.12
Kent (near)	3.10	2.44	4.15				0.09	0.07	1.48	0.32	4.27	11.62	
Kettle Falls	0.77	1.06	1.25	3.54	2.54	0.94	0.04	T.	0.30	0.15	1.24	3.13	14.96
Keystone	0.33	0.48	0.35	2.68	1.69	0.42	T.	0.00	0.57	T.	0.92	2.33	9.77
Kiona	0.39	0.30	0.36	1.08	0.50	0.09	0.02	0.00	0.39	0.00	1.19	2.09	6.41
La Center	4.09	3.08	6.50	7.75	2.14	2.36	T.	T.	2.48	0.69	4.56	15.50	49.15
Lacrosse	1.50	1.21	0.93	3.16	2.32	0.96	T.	T.	0.73	T.	1.17	3.42	15.40
Lake Cle-lum	2.41	3.15	6.34		0.38	1.46	0.36	0.00	1.60		1.74	24.08	
Lake Kachess	9.09	4.34	9.53	3.65	0.72	2.65	0.32	0.13	1.14	2.06	2.66	28.12	64.41
Lake Keechelus	11.23	4.63	11.23	7.26	1.15	3.98	0.63	0.08	2.14	3.10	4.93	34.28	84.64
Lakeside	0.34	1.02	1.49	2.20	0.77	0.55	0.09	T.	0.15	T.	1.24	3.84	11.69
Landsburg	7.51	3.94	5.76	10.85	1.48	5.39	0.21	0.00	2.20	1.25	5.14	17.98	61.71
Laurel	2.66	3.17	5.06	4.41	1.49	0.36	0.01	0.00	1.21	0.00	4.64	18.33	41.36
Laurier	2.17	1.52	0.98	2.23	2.46	1.32	0.21	0.03	0.74	0.70	0.76	5.72	18.84
Leavenworth	1.77	1.27	3.41	3.02	0.52	0.27	0.17	0.00	0.50	0.16	2.97	12.71	26.77
Lind		0.45			1.77	0.47							
Lone Tree	7.82	5.02	8.21	9.19	0.75	2.21	0.50	0.67	3.18	0.76	6.06	20.02	64.39
Longmire's Springs	12.62	6.08	10.57	9.03	1.81	6.85	0.34	T.	2.94	3.82	5.60	37.72	97.38
Lost Creek	0.30	0.98	0.40	1.49	2.92	1.06	0.20	0.03	0.67	T.	1.65	1.39	11.09
Lowden	0.48	0.86	0.31	2.24	1.60	0.13	T.	T.	0.71	T.	1.04	2.70	10.07
Marietta	4.35	2.23	2.31	4.44	0.66	4.88	0.33	0.43	2.24	1.11	4.01	14.65	41.64
Marybill	1.28	1.08	0.24	1.66	0.80	0.00	0.00			0.00	2.52	4.98	
McConihe's Ranch	0.29	0.36	0.33	2.16	1.12	0.26							
McCumber's Ranch	1.47	2.41	2.83	2.73	0.72	0.25	0.01	0.00	0.62	0.00	2.64	16.43	30.11
Mill Creek	4.83	2.18	2.03	7.18	3.44	2.56	T.	T.	2.22	0.16	2.49	13.19	40.28
Mold	0.55	0.75	1.52	2.21	1.30	0.46	0.00	0.00	0.35	0.00	4.22		
Mottinger	0.51	0.82	0.26	1.56	1.97	0.47	0.00	0.00	0.50	0.00	0.84	2.34	9.27
Moxee	0.50	0.24	0.57	0.65	0.93	0.38	0.01	0.00	0.45	T.	0.94	1.61	6.28
Neppel	0.25	0.10	0.30	0.45		0.31							
Nespelem	0.76	0.52	0.50	1.15	1.27	0.59	0.04	T.	0.29	0.00	1.04	1.79	7.95
Newport	2.15	1.85	2.38	3.53	2.34	1.22	0.05	T.	0.46	0.38	1.90	5.27	21.53
North Head	5.01	4.22	6.17	6.06	1.67	2.26	0.24	0.57	2.33	0.83	4.99	13.22	47.57
Oakville	5.29	2.22	7.48	5.74	1.35	2.20	0.02	0.18	3.04	0.36	3.75	22.39	54.02
Odessa	0.55	0.64	0.69	2.11	2.30	0.30	T.	T.	0.39	0.02	0.81	1.75	9.56
Olga	4.02	2.09	2.50	3.72	1.05	3.52	0.29	0.50	1.31	1.33	3.08	13.88	37.89
Olympia	5.39	4.77	7.38	6.14	1.20	2.29	T.	0.13	2.74	0.27	4.39	19.85	54.55
Omak	0.35	0.93	0.94	1.40	1.26	0.43	0.06	0.07	0.20	0.02	1.69	1.88	9.23
Oroville	0.18	0.75	0.53	1.97	1.49	0.80	0.10	0.00	0.85	T.	0.78	2.68	10.13
Peola	3.36	1.88	4.36	4.66	2.74	1.21	0.22	T.	2.33	0.12	1.30	10.19	32.37
Pomeroy	1.44	0.79	0.21	3.07	0.71	0.69	0.00	0.00	0.63	0.00			
Port Angeles	2.98	2.46	2.19	1.95	0.28	0.95	0.09	0.03	1.11	0.51	1.81	11.44	25.80
Port Crescent	3.63	2.10	3.97		0.73	1.84	0.22						
Port Townsend	2.42	0.93	1.04	1.99	0.69	3.31	0.40	0.12	0.89	0.22	1.08	4.88	17.97
Poulsbo	1.74	1.78	3.63	4.49	1.04	2.97	0.08	0.00	1.19	0.11	3.54	9.60	30.26
Prosser	0.33	0.64	0.21	0.96	0.59	0.09	0.02	0.00	0.34	0.00	1.11	1.37	5.66
Pullman	3.50	1.00	1.01	4.21	2.25	0.56	0.00	0.00		0.00	1.72	6.79	
Puyallup	3.43	2.58	4.19	6.49	0.76	4.18	0.11	0.07	1.43	0.43	4.27	14.19	42.11
Queets River	14.35	9.56	11.02	13.34	1.51	3.77	1.27	1.51	6.53	4.69	9.74		

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington—Continued.													
Quinlault			15.44	14.42		3.17		1.15	6.72		10.03	31.52	
Reardan	0.88	1.28	1.13	3.20	1.88	1.11	T.	0.00	0.50	0.01	1.30	1.90	13.19
Rimrock							T.	0.00	0.69	0.02	2.22	17.10	
Ritzville	0.40	0.50	0.63	3.01	2.22	0.39	0.03	0.00	0.58	0.00	0.83	2.70	11.29
Rock Island	T.	0.72	0.48	2.80	1.12	0.27	T.	T.	0.14	T.	1.18	1.70	8.41
Rosalia	1.05	1.30	1.15	3.35	1.76	0.87	T.	0.00	0.48	0.06	1.25	4.70	15.97
Russel's Ranch	2.05	0.86	3.26	2.50									
Seattle	2.02	1.43	2.96	4.48	0.83	3.70	0.09	0.03	1.29	0.16	2.70	9.21	28.90
Sedro-Wooley	8.17	4.81	5.30	5.11	1.58	6.57	0.69	0.54	1.98	3.50	4.91	18.50	61.66
Sequim	1.85	1.03	1.40	1.25	0.40	1.31	0.11	T.	1.29	0.27	1.24	6.05	16.20
Silverton						6.52	2.25		4.40				
Sixprong	0.79	0.62	0.24	1.18	0.53	0.08	T.	0.00	0.33	0.00	1.36	2.28	7.41
Snohomish	5.38	2.11	6.52	6.68	2.39	6.61	0.56	0.25	1.63	0.91	2.73	10.66	46.43
Snoqualmie Falls	5.53	2.77	7.09	8.16	1.19	5.69	0.46	T.	1.45	0.75	3.89	20.10	57.08
Snoqualmie Pass	16.30	8.96	10.90	6.34	0.65	5.80	0.15	0.00	0.92	2.45	5.13	29.72	87.32
Snyder's Ranch	0.79	1.32	2.09	1.68	1.21	0.21	0.01	0.00	0.29	0.12	1.21	8.28	17.21
South Bend	12.37	6.29	13.26	10.59	1.42	4.76	0.42	0.29	3.79	1.58	6.56	31.13	92.46
Spokane	0.98	1.28	1.07	1.71	1.62	1.00	T.	T.	0.34	0.08	0.95	2.85	11.88
Sprague	0.63		1.06	2.83	1.77	0.58	0.00	0.00	0.54	0.00	1.35	1.74	
Starbuck	0.19	0.49			0.86	0.45	T.						
State University		1.47	2.85	4.94	1.09	3.61	0.10	0.01		T.	2.51	8.19	
Stehekin	3.50	2.35	6.13	3.10	0.51	0.48	0.14	0.05	0.78	0.30	2.97	16.87	37.18
Stoke's Ranch	0.51	1.42	2.24	1.16	1.33	0.34	0.17	0.03	0.47	T.	1.34	5.17	14.18
Sullivan Lake	3.11	2.40	2.68	3.14	3.57	1.80	0.17	0.25	1.04	0.62	0.77	2.22	21.77
Sumner	3.91	2.92	4.44	7.78	0.91	4.34	0.14	0.19	1.93	0.55	4.51	14.29	45.91
Sunnyside	0.35	0.27	0.31	0.87	0.85	0.13	0.00	0.00	0.24	0.00	1.25	1.22	5.49
Tacoma	3.39	2.17	4.23	5.78	0.75	3.07	0.12	0.04	2.01	0.13	3.31	15.31	40.31
Tatoosh Island	9.81	8.54	7.83	10.76	1.97	2.91	0.90	1.39	6.34	5.35	7.66	18.91	82.37
Tieton Canyon	0.85	1.36	0.93	0.65	0.54	0.24	0.02	T.	0.90				
Touchet Ridge	4.57	2.38	3.79	6.03	4.44	2.96	0.00	0.10	2.12	0.02	2.25	13.36	42.02
Trinidad	0.78	1.10	0.22	2.53	0.95	0.19	T.	0.00	0.24	0.00	0.98	2.64	9.63
Twenty-five-mile Creek	0.99	1.25	1.92	3.23	0.82	0.39	0.09	0.04	0.20	0.10	1.59	7.09	17.71
Vancouver	1.69	2.43	3.89	4.81	1.99	1.30	T.	T.	2.33	0.10	3.88	11.92	34.34
Vashon	3.77	2.49	5.24	5.88	0.82	3.51	T.	T.	1.79	0.10	3.50	16.26	43.26
Wahluke	0.29	0.30	0.90	1.21	0.93	0.20	0.00	0.00	0.06	0.00	0.98	1.00	5.87
Wallace	0.50	1.82	1.64	2.95	2.96	0.96	0.14	1.43	0.87	0.05	1.16	2.13	16.61
Walla Walla	1.05	1.12	0.52	3.68	2.48	0.57	T.	T.	1.31	0.01	1.05	4.11	15.90
Wapato	0.23	0.36	0.33	0.52	0.43	0.26	T.	0.00	0.20	0.00	1.22	1.53	5.08
Washougal	5.95	4.28	6.29	7.86	3.93	3.07	0.00	0.00	3.71	0.29	6.42	18.66	60.46
Waterville	0.33	1.00	1.03	2.31	0.74	0.61	T.	0.04	0.11	T.	1.27	2.59	10.03
Wenatchee	0.49	0.64	0.50	1.62	1.42	0.41	0.14	T.	0.17	T.	0.86	3.57	9.82
Wenatchee (near)	0.40	0.69	0.89	2.34	1.79	0.45	0.01	T.	0.29	0.04	1.26	5.55	13.71
White Bluffs	0.29	0.26	0.37	0.78	0.71	0.61	T.	0.00					
White Salmon	3.93	2.42	4.66	3.10	1.15	0.36	0.10	0.00	0.54	T.	4.95	15.48	36.69
Wilbur	0.49	0.80	0.72	2.14	2.05	0.52	0.12	0.00		0.00	1.25		
Wind River	8.67	6.99	14.03	10.75	2.14	2.17	0.16	0.00	2.20	0.25	8.52	43.22	99.10
Winthrop	0.32	1.23	1.42	1.28	0.60	0.17	0.09	0.12	0.13	0.00		5.32	
Yacolt	10.13	6.00	12.85	13.24	3.05	2.95	0.07	0.00	2.77	0.79	7.07	28.77	87.69
Yale	17.42	7.76	15.45	14.15	2.81	3.45	0.06	T.	3.14	1.61	8.88		
Yakima[1]	0.23	0.47	0.31	0.59	0.70	0.28	0.01	0.00	0.34	T.	1.28	1.96	6.17
West Virginia.													
Bancroft	4.96	3.72	6.97	2.82	6.31	4.65	3.61	2.38	2.49	4.97	0.91	2.09	45.88
Bayard	6.39	2.95	4.33	3.04	5.10	2.64	4.95	3.85	3.78	3.56	0.64	0.79	42.02
Beckley		3.24	8.90	3.48	5.09	3.14	3.87	2.34	3.12	4.97	3.10	1.91	
Bens Run	6.10	2.56	5.42	4.97	3.99	4.80	4.96	4.71	1.28	6.28	0.78	1.34	47.19
Bluefield	4.17	1.65	1.72		1.54	2.10	5.13	2.84	2.75	3.74	0.76	2.57	
Brandonville	5.73	2.31	4.20	2.46	4.40	5.61	4.99	5.06	3.80	2.87			
Brandywine	1.82	2.50	6.01	2.08	2.90	1.38	2.49	2.16	2.16	3.31	0.29	0.81	27.91
Buckhannon	6.34	4.51	7.01	3.16	6.40	4.09	5.90	4.37	3.05	3.57	1.07	1.70	51.17
Burlington	4.07	2.35	4.95	2.62	4.24	2.12	3.73	3.65	3.03	2.90	0.30	0.80	34.76
Camden-on-Gauley	5.74	4.78	13.55	3.47	8.45	6.18	7.03	1.32	1.74	1.18	2.40	1.36	57.20
Charleston	5.29	5.20	8.26	3.12	5.71	3.39	5.08	4.26	3.65	5.00	1.65	2.98	53.59
Clay	4.28	3.98	9.66	2.86	6.24	3.33	1.91	0.94	1.98	3.96	0.38	1.69	41.21
Cortland	5.18	3.39	4.81	2.12	4.30	3.29	2.73	2.35	3.04	3.33	0.79	1.50	36.83
Creston	4.55	2.92	7.21	4.79	6.02	4.65	6.57	5.70	3.54	4.55	0.72	1.18	52.40
Cuba	4.62	2.65	4.90	5.23	4.19	4.66	4.82	1.93	1.47		0.52	0.47	
Dam No. 19, Ohio River	4.80	1.90	5.18	3.91	5.26	3.85	4.65	1.54	2.15	5.45	0.68	0.78	40.11
Dam No. 20, Ohio River							4.82	2.31	2.42	5.48	0.45	0.75	
Dam No. 22, Ohio River	4.83	3.36	6.00	4.39	5.44	4.25	7.64	1.49	3.00	4.86	0.50	0.59	46.35
Dam No. 26, Ohio River	4.46	2.97	7.15	2.08	4.02	4.21	5.38	1.75	1.68	5.08	0.78	1.32	40.83
Davis	6.87	4.03	9.29	2.92	4.97	3.43	6.68	1.58	2.45	5.17	1.34	2.04	50.75
Dunlow	5.44												
Elizabeth	5.31	2.36	7.50	4.55	5.36	3.95	7.54	4.06	2.88	6.04	0.60	1.07	51.22
Elkhorn		4.27	7.94	2.01						3.31	1.85	3.20	
Elkins	4.58	3.79	7.12	2.72	4.35	3.52	2.69	3.28	2.83	2.97	1.23	1.17	40.23
Evans	5.17	3.39	6.77	3.29	5.27	3.90	4.48	3.60	2.68	5.77	0.84	1.79	46.95
Fairmont	5.19	2.31	5.50	2.83	4.03	4.20	4.13	1.46	1.02	4.04	0.60	0.98	36.89
Gary						4.38	7.50	6.17	4.54	3.11	1.17	1.42	
Glenville	5.03	3.01	8.17	2.77	6.65	5.16	4.09	3.19	2.99	4.29	0.92	0.97	47.24
Grafton	4.49	3.37	4.60	2.90	4.60	3.27	6.95	1.58	1.16	4.25	0.60	1.92	39.69
Green Sulphur Springs	5.03	5.20	8.00		5.06	4.50	4.50					2.40	
Harpers Ferry	2.18	1.83	4.02	2.50	2.81	3.05	8.27	4.54	1.21	6.19	0.20	1.20	38.00
Hinton	3.28	4.04	8.47	2.10	3.88	2.34	5.02	1.96	4.94	3.28	0.72	1.64	41.65
Holcomb	4.92	4.73	8.72	2.02	6.07	4.80	7.86	1.84	2.75	4.68	1.96	1.75	52.70
Huntington	5.31	3.88	8.53	2.58	5.66	4.60	2.26	5.57	4.60	4.66	1.20	1.78	59.53
Kayford	4.66	4.75	9.03	3.24	6.28	5.09	5.19	3.42	6.62	3.51	1.16	1.84	54.79
Lewisburg	2.71	4.07	7.26	2.13	3.88	2.09	3.45	2.95	3.83	2.26	0.75	1.53	36.91
Lost Creek	4.26	3.10	4.22	2.73	4.85	5.82	4.97	2.77	2.17	3.91	0.62	1.10	40.52
Logan		4.03	6.11		5.43								
Mannington	5.25	2.34	5.22	3.31	4.44	6.58	5.43	6.09	1.30	4.57	0.61	1.10	46.24

[1] Formerly North Yakima; name changed by act of legislature.

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
West Virginia—Continued.													
Martinton	4.63	3.62	9.40	2.70	4.09	2.23	7.22	2.07	3.37	3.29	0.94	2.11	45.67
Martinsburg	2.66	2.13	4.50	2.53	3.21	3.58	3.79	5.58	2.60	6.08	0.70	1.35	38.71
Moorefield	2.52	2.25	3.72	2.27	2.95	1.90	1.25	.....	1.31	3.46	0.22	1.30	.....
Morgantown	4.19	1.97	3.10	1.29	4.99	3.63	3.54	3.60	2.57	4.30	0.64	0.83	34.65
Moundsville	3.49	.....	.....	3.01	.....	3.90	5.95	8.80	2.12	5.85	0.24	1.22	.....
New Cumberland	4.22	1.26	4.26	2.07	3.06	5.76	4.30	4.91	2.77	6.29	0.20	1.43	40.53
New Martinsville	4.98	2.78	4.47	4.58	3.40	5.94	5.35	5.86	1.41	6.25	0.85	1.10	46.97
Nuttallburg	.....	.....	.....	1.83	5.38	.....	.....	.....	.....	.....	0.61	2.53	.....
Parkersburg	5.71	2.44	4.46	4.29	5.06	3.17	6.17	2.18	1.41	4.77	0.60	0.90	41.16
Parsons	5.23	3.77	3.53	2.39	5.13	4.58	3.45	5.22	1.96	4.21	0.87	1.05	41.39
Philippi	4.63	3.69	6.26	2.60	6.65	.....	4.77	2.90	.....	.....	0.90	.....	.....
Pickens	7.67	7.73	14.20	4.20	7.07	4.80	7.28	2.10	4.36	5.25	3.65	3.07	71.38
Piedmont	3.80	2.46	7.67	2.53	3.26	2.25	4.11	5.53	2.62	2.17	0.25	0.79	37.44
Point Pleasant	5.48	3.62	6.84	3.14	6.13	4.59	4.68	1.82	3.78	5.16	0.69	1.38	47.31
Powellton	.....	5.05	7.18	2.30	7.34	4.62	.....	.....	.....	.....	.....	.....	.....
Rainelle	.....	.....	.....	2.88	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raleigh	5.40	4.00	9.35	2.35	3.14	2.51	4.40	2.07	5.77	3.83	1.36	1.78	45.96
Renick	4.62	3.34	8.25	3.51	2.64	2.89	2.13	3.00	2.80	3.43	0.38	0.81	37.80
Robertsburg	4.96	2.91	6.59	2.82	5.78	4.53	4.23	2.53	1.72	4.18	1.16	1.21	42.62
Romney	3.16	2.44	4.05	3.53	.....	3.52	3.07	4.90	2.79	3.38	0.55	1.30	.....
Rowlesburg	6.04	3.29	7.22	2.92	7.28	2.95	5.22	2.80	4.57	4.02	1.29	1.77	49.37
Ryan	4.81	4.61	7.82	3.45	6.68	4.35	3.77	2.88	2.20	5.19	1.25	1.56	48.57
Saint Marys	5.75	1.93	5.34	5.31	4.33	3.48	5.48	4.15	2.14	6.06	0.63	1.40	46.00
Sissonville	4.28	3.31	8.35	2.84	5.48	3.41	4.49	1.37	2.53	.....	0.93	.....	.....
Smithfield	6.66	3.35	4.98	3.81	4.53	5.43	7.67	6.01	1.59	5.25	1.05	2.40	52.73
Spencer	5.30	1.95	6.20	.....	7.30	2.80	2.95	5.54	1.55	.....	.....	.....	.....
Sutton	.....	.....	.....	.....	7.00	3.15	4.40	2.25	3.60	3.78	1.37	2.37	.....
Terra Alta	4.15	3.10	4.06	3.07	5.70	3.22	4.73	3.06	2.72	3.20	0.70	0.95	38.66
Union	2.75	5.10	8.00	2.00	3.60	2.64	3.27	3.10	2.75	3.03	0.40	1.98	38.62
Upper Tract	1.72	2.20	4.75	2.21	3.23	1.60	5.53	2.30	2.63	2.60	0.05	1.30	30.12
Wellsburg	3.30	1.29	3.17	1.84	3.08	3.50	4.51	6.21	1.85	.....	.....	.....	.....
Weston	4.13	3.05	6.80	3.00	5.96	4.25	4.18	3.80	2.67	3.67	0.70	1.25	43.46
Wheeling	4.81	1.75	4.22	3.22	2.45	3.59	8.17	7.04	2.05	6.50	0.38	1.61	45.79
White Sulphur Springs	3.07	3.85	7.55	2.55	4.15	1.70	6.80	2.05	4.40	3.85	0.30	3.32	43.39
Williamson	5.38	4.75	9.26	3.04	3.82	3.78	2.94	3.90	4.93	3.80	1.00	2.52	49.12
Wisconsin.													
Antigo	2.00	1.20	1.97	1.72	0.41	3.67	2.59	5.84	2.68	2.22	0.21	0.51	25.20
Appleton	2.02	0.52	2.52	2.62	1.51	5.06	3.70	1.51	3.71	4.10	0.20	0.53	28.00
Ashland (near)	0.27	0.23	2.56	1.92	1.81	5.26	2.67	2.15	3.59	4.19	0.19	0.91	25.84
Baraboo	1.89	0.67	2.99	2.77	4.38	7.83	2.25	2.77	2.41	3.38	.....	T.	.....
Barron	1.42	1.34	3.79	2.14	2.52	3.52	3.73	1.96	2.36	3.30	0.36	0.74	27.18
Beloit	0.70	0.13	.....	3.15	3.33	5.09	2.02	0.62	3.24	4.06	0.28	0.68	.....
Big St. Germain Dam	1.12	0.99	2.20	2.67	1.00	4.23	1.21	4.07	3.12	3.34	0.25	0.70	24.90
Brodhead	0.80	0.10	1.72	3.74	5.01	6.58	2.45	0.65	3.60	4.30	0.28	0.65	29.88
Burnett	1.80	0.59	1.29	2.89	2.79	7.31	2.49	1.35	4.79	4.52	0.15	0.28	29.96
Cecil	2.20	0.92	1.53	1.73	1.26	4.02	0.24	2.39	1.62	1.98	0.54	0.91	19.34
Cornucopia	0.60	0.51	3.14	1.54	1.77	3.94	1.70	2.63	2.22	2.82	0.17	1.12	22.16
Crandon	1.30	0.68	2.44	1.81	1.18	5.15	1.49	4.53	2.46	2.16	0.31	0.46	23.97
Darlington	1.05	0.30	1.05	1.35	3.95	5.60	1.50	1.45	2.60	2.60	0.15	0.70	22.30
Deerskin Dam	1.61	0.44	1.06	2.33	1.35	4.45	1.40	2.40	2.10	2.27	0.43	0.37	20.21
Delavan	0.53	0.44	1.09	3.99	2.90	4.83	4.70	0.70	4.16	4.78	0.28	0.47	28.87
Dodgeville	1.65	1.01	1.67	2.39	3.74	6.27	0.38	2.12	2.04	2.65	.....	.....	.....
Downing	4.20	1.10	1.63	2.13	2.88	5.13	6.40	2.25	2.37	4.14	0.10	0.15	32.48
Eau Claire	2.21	0.86	2.79	2.63	3.02	4.38	2.73	5.21	2.08	2.72	0.23	0.71	29.48
Florence	1.40	0.61	1.56	1.93	0.65	4.96	1.10	4.82	0.63	0.45	0.20	0.77	19.08
Fond du Lac	1.74	1.28	1.43	2.24	2.77	6.73	1.72	1.07	3.86	4.03	0.41	0.36	27.64
Glen Flora	1.50	0.95	.....	2.40	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Rapids	1.80	1.40	2.80	3.19	2.06	4.81	3.23	3.91	2.16	3.31	0.15	0.57	29.39
Grand River Locks	1.21	0.90	2.67	3.49	2.64	7.17	3.55	2.60	4.18	3.47	0.13	0.79	32.80
Grantsburg	1.35	0.69	2.85	1.29	1.48	2.06	5.27	1.59	3.64	2.63	0.58	0.62	24.05
Green Bay	1.96	0.50	2.45	2.32	1.12	4.92	1.52	2.07	1.95	2.38	0.70	0.38	22.27
Hancock	1.99	0.80	2.80	5.25	2.30	6.38	1.30	3.53	2.45	4.27	0.17	0.40	31.55
Hatfield	1.85	0.65	1.61	3.08	2.59	4.46	2.91	4.23	2.06	2.18	0.27	0.40	26.29
Hayward	0.75	1.14	4.22	2.04	1.01	2.87	4.90	2.14	2.22	1.70	0.12	0.27	23.38
High Falls	2.42	0.85	2.36	2.20	1.68	3.67	2.20	5.91	1.88	2.39	0.54	0.37	26.47
Hillsboro	1.50	0.45	1.80	4.38	4.87	7.05	4.54	3.25	2.76	3.88	0.13	0.80	35.41
Iron River	0.50	0.90	3.97	2.07	1.56	2.25	2.34	1.53	5.20	.....	.....	.....	.....
Kewaunee	2.27	2.20	2.42	2.48	2.46	5.45	1.09	1.61	2.60	2.40	1.16	0.35	26.49
Koepenick	2.15	1.70	1.90	1.80	0.70	4.50	1.40	4.70	2.70	0.52	0.40	0.50	22.97
La Crosse	1.58	0.58	2.01	3.35	3.14	5.79	6.94	2.51	3.36	2.64	0.14	0.42	32.47
Lake Mills	0.95	0.31	0.73	4.25	4.34	8.23	1.92	0.90	5.10	5.79	0.21	0.37	33.10
Lancaster	1.35	0.25	.....	.....	.....	6.55	1.85	1.70	2.59	2.71	0.33	0.75	.....
Long Lake	1.23	0.61	1.77	3.06	0.94	5.85	2.31	2.37	2.46	3.10	0.54	0.57	24.81
Madison	1.04	0.64	2.60	3.29	3.33	6.47	3.10	2.72	2.98	3.08	0.30	0.45	29.40
Manitowoc	1.87	0.70	2.31	2.94	2.82	6.05	1.91	1.69	2.90	3.26	0.90	0.57	27.92
Marshfield	2.97	0.55	1.10	2.24	2.14	4.21	6.05	8.41	1.33	3.00	0.15	0.48	32.63
Mather	2.15	0.95	1.92	2.47	3.23	6.30	2.67	4.31	2.50	3.54	0.10	0.50	30.64
Mauston	2.21	.....	.....	5.05	4.15	5.85	3.20	2.50	1.35	3.55	0.20	.....	.....
Meadow Valley	1.85	0.36	2.30	2.16	2.19	5.51	2.84	2.84	2.15	2.83	0.11	0.45	25.59
Medford	1.60	0.70	2.35	2.07	1.52	3.45	2.79	5.50	2.43	3.67	0.25	0.40	25.83
Menasha	0.67	0.96	1.62	2.45	2.38	5.01	2.32	1.89	3.50	3.43	0.43	0.43	25.09
Merrill	0.94	0.92	2.51	2.17	1.42	3.45	2.01	4.31	2.85	3.28	0.16	0.69	24.71
Milwaukee	1.42	0.56	1.53	3.08	3.54	10.03	1.53	0.58	4.08	4.88	0.39	0.87	33.39
Minocqua	0.60	0.86	1.77	2.45	0.90	4.03	1.41	3.62	3.03	3.29	0.21	0.55	22.72
Mondovi	2.70	0.70	2.95	2.55	4.06	3.67	2.33	3.22	2.79	3.98	0.05	0.70	28.80
Mount Horeb	1.10	0.30	2.23	2.65	3.92	8.06	1.64	1.87	3.70	3.33	0.15	0.80	29.75
Muscoda	0.52	0.50	2.57	2.28	3.64	5.89	4.44	1.97	2.24	3.51	.....	.....	.....
Nellsville	1.92	0.82	2.45	2.78	2.19	5.17	4.47	3.83	2.16	2.90	.....	.....	.....
New London	2.53	0.66	3.39	2.61	1.88	6.04	2.46	2.39	3.61	3.49	0.30	0.49	29.70
New Richmond	2.30	1.30	2.47	0.48	1.49	2.50	2.41	0.57	1.58	2.44	T.	0.30	19.34
Oconto	2.90	1.60	0.77	1.71	1.77	3.76	1.33	2.70	2.54	2.84	1.05	0.70	23.75
Osceola	1.50	1.03	3.13	1.57	3.17	4.72	4.71	2.35	2.64	2.06	0.20	1.05	28.13
Oshkosh	3.38	0.70	2.63	2.29	3.18	6.87	3.81	1.37	3.46	3.59	0.36	0.41	32.05

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wisconsin—Continued.													
Park Falls	1.22	0.61	2.11	3.41	1.31	4.19	3.26	2.74	3.38	4.45	0.62	0.86	28.16
Pine River	1.69	0.63	3.87	4.57	2.11	6.21	1.30	3.46	2.98	4.36	0.25	0.38	31.81
Plum Island	2.30	1.20	2.38	1.40	1.80	5.60	2.00	3.50	1.40	1.90	1.70	1.40	26.58
Plymouth	1.32	0.52	1.39	1.98	2.66	6.16	1.74	1.50	2.77	4.75	0.72	0.24	25.75
Portage	1.02	0.54	2.08	2.69	4.09	11.24	2.48	2.26	2.08	3.59	0.28	0.26	33.51
Port Edwards	2.43	1.10	1.69	.....	2.23	4.96	1.85	3.71	1.52	2.26	0.06	0.87	.....
Port Washington	1.66	1.10	1.38	2.13	3.57	4.48	1.07	1.38	2.86	4.43	0.55	0.40	25.01
Prairie du Chien	0.94	0.40	2.33	2.34	4.89	6.12	3.14	2.66	2.63	2.38	0.52	0.40	28.75
Prairie du Sac	0.39	0.41	1.57	2.27	2.98	7.19	2.77	2.64	4.52	1.26	0.12	0.07	26.19
Prentice	1.39	1.25	2.60	2.10	1.17	4.09	1.94	3.23	4.01	3.24	0.16	0.69	25.87
Racine	0.48	0.25	0.77	2.99	4.57	4.29	3.89	1.12	3.63	4.21	0.65	0.48	27.33
Reedsburg	1.05	0.23	1.29	2.97	3.63	8.22	3.83	2.32	1.84	3.22	0.06	0.35	29.01
Restlake	0.51	1.16	2.43	1.78	1.32	4.02	1.53	3.80	5.36	4.55	0.27	1.00	27.73
Rhinelander	0.55	0.72	1.81	1.84	0.98	4.87	0.99	3.86	1.87	3.56	0.37	0.71	22.13
Ripon	1.24	0.71	1.72	2.68	2.43	9.70	1.81	1.34	3.76	3.94	0.37	0.53	30.23
Sheboygan	1.34	0.75	1.89	1.97	2.84	6.53	1.53	1.26	2.76	4.23	0.78	0.12	26.00
Shullsburg	1.29	0.20	1.45	4.54	3.58	5.20	2.30	1.57	2.64	3.18	0.25	0.65	27.15
Solon Springs	1.25	1.40	4.20	1.55	1.60	3.40	5.05	1.35	3.40	3.05	0.15	0.70	27.10
Sparta	.....	.....	.....	.....	3.30	4.79	5.67	2.60	2.24	2.42	0.28	0.12	.....
Spooner	0.88	0.62	2.73	1.37	1.29	3.26	4.72	2.25	2.61	3.20	0.12	0.46	23.51
Stanley	2.10	0.75	2.35	3.51	1.99	3.51	3.61	3.44	3.42	3.17	0.29	0.70	28.84
Stevens Point	3.20	0.40	2.30	1.83	2.27	5.65	3.05	5.50	2.80	3.70	0.50	0.15	31.35
Sturgeon Bay	1.58	0.81	2.24	2.52	2.11	4.26	2.38	2.21	1.86	3.01	0.97	0.66	24.61
Sugar Camp Dam	0.63	0.82	2.41	3.70	1.17	4.40	1.25	2.55	2.38	3.55	0.22	0.42	23.50
Superior	0.27	0.52	2.95	1.12	0.86	2.41	4.77	1.25	3.25	3.21	0.07	0.50	21.18
Tomahawk	0.65	0.54	2.07	2.00	0.88	3.65	2.25	3.37	3.19	4.08	0.12	0.48	23.38
Twin Lakes Dam	0.70	0.62	2.12	1.87	0.83	3.66	1.91	3.84	2.28	3.05	0.46	0.81	22.15
Viroqua	0.84	0.45	2.10	3.33	3.07	8.88	11.42	4.15	2.91	2.99	0.10	0.64	40.88
Vudesare	0.97	1.99	4.31	2.07	.....	.....	.....	3.68	3.84	3.27	0.74	1.13	.....
Watertown	1.64	0.81	1.34	2.73	4.21	9.56	1.25	1.02	4.38	4.67	0.33	0.84	32.78
Waukeshaw	1.30	0.57	1.67	3.67	3.94	7.44	3.51	1.04	4.91	6.00	0.38	0.55	34.98
Waupaca	1.81	1.05	3.31	3.03	1.89	5.82	1.56	3.19	2.97	3.85	0.20	0.41	29.09
Wausau	2.50	1.10	3.07	2.86	1.29	2.97	4.91	3.63	2.81	3.12	0.26	0.53	29.05
Weyerhaeuser	1.07	0.74	3.12	2.80	2.56	3.13	3.45	3.61	2.64	3.11	0.34	0.40	27.57
Whitehall	2.10	1.20	1.61	2.87	2.06	3.87	2.00	3.81	3.67	3.50	0.32	0.81	27.82
Winter	0.52	0.71	1.96	1.74	2.45	2.81	4.63	2.07	2.60	3.21	0.28	0.55	23.53
Wyoming.													
Afton	.....	0.98	2.36	1.34	3.04	0.51	1.50	0.74	3.13	0.20	0.44	2.05	.....
Alta	1.68	1.78	1.64	1.43	2.68	0.88	0.87	0.34	2.67	0.19	0.87	1.67	18.38
Arapahoe	0.14	0.40	0.54	1.32	5.14	0.25	0.00	0.33	0.32	0.39	0.80	0.23	9.86
Archer	0.06	.....	.....	1.67	4.48	0.56	1.79	1.20	0.91	0.57	.....	.....	.....
Arlington	1.32	1.85	2.30	.....	4.48	0.68	0.95	1.40	0.70	.....	.....	.....	.....
Basin	0.04	0.09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bedford	1.26	0.73	1.29	0.70	2.45	0.82	0.42	0.30	1.95	0.40	1.62	2.31	14.25
Big Creek Station	1.18	2.42	1.64	2.08	3.90	.....	.....	0.83	.....	1.30	.....	.....	.....
Border	1.70	2.45	0.65	1.23	1.68	0.26	0.39	1.19	1.07	0.05	0.25	0.00	10.92
Boyd	1.48	1.26	1.13	2.10	1.42	1.92	2.60	2.22	0.14	0.69	T.	1.13	16.09
Buffalo	0.53	0.22	0.67	2.71	.....	.....	.....	.....	.....	.....	0.17	0.67	.....
Burns	0.33	0.30	.....	.....	.....	.....	.....	.....	.....	.....	0.21	0.28	.....
Casper	0.32	0.69	1.93	1.38	4.05	1.28	0.29	0.59	0.33	1.35	0.47	0.35	13.03
Centennial	1.18	1.84	1.81	2.62	3.14	0.74	1.67	1.06	0.22	1.35	0.47	2.76	18.86
Cheyenne	0.36	0.80	0.69	1.75	4.65	0.34	1.62	1.75	0.56	0.39	0.40	0.81	14.06
Chugwater	0.73	0.36	0.85	2.05	5.14	1.00	T.	1.41	0.15	0.47	0.12	1.10	13.38
Clark	0.54	0.68	1.75	1.52	3.09	0.22	0.44	0.58	1.34	0.21	0.70	1.25	12.32
Cody	0.40	0.25	0.26	1.72	1.64	0.27	0.82	0.92	0.83	0.24	0.59	1.05	8.99
Cokeville	1.31	1.84	0.97	0.74	1.90	0.20	0.47	1.03	0.93	0.27	.....	0.18	.....
Colony	0.68	0.21	1.99	1.94	2.66	1.59	0.10	1.30	0.32	0.51	0.00	0.90	12.20
Cranfall Creek	0.62	1.14	.....	.....	.....	.....	.....	.....	.....	0.70	0.90	1.45	.....
Crow Hill	0.86	0.73	2.13	3.13	5.79	1.43	0.47	0.64	0.57	1.99	0.25	1.90	19.89
Deaver	0.06	0.08	0.30	0.76	0.98	0.50	0.27	0.37	0.62	0.02	0.25	0.35	4.56
Dome Lake	0.99	1.14	1.92	3.47	5.44	1.74	0.45	1.04	1.49	1.53	0.41	3.04	22.66
Douglas	0.09	0.24	1.03	2.35	4.11	0.91	T.	0.54	0.43	0.78	0.07	0.53	11.08
Dubois	0.20	0.44	0.33	2.80	2.31	0.56	0.21	0.68	0.49	0.45	0.29	0.15	8.82
Dutch Joe	1.90	1.77	0.83	.....	.....	.....	0.06	1.16	.....	0.06	0.30	.....	.....
Dwyer	0.32	0.65	1.37	3.79	5.26	1.71	0.17	0.45	0.53	0.41	0.03	0.39	15.08
Echeta	1.00	0.35	2.00	2.47	3.16	1.07	0.00	1.04	0.25	0.46	0.00	1.28	13.08
Eden	T.	0.45	0.00	0.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
Elk Mountain	2.05	1.48	1.56	1.69	4.17	1.00	0.37	0.57	.....	1.12	0.40	1.02	.....
Encampment	0.93	1.40	0.80	1.13	3.48	0.45	0.45	0.79	0.44	0.54	0.12	0.23	10.76
Ervay	0.23	0.54	0.81	2.05	3.96	1.85	0.38	0.72	0.06	1.15	0.90	0.38	13.03
Evanston	1.50	3.22	1.00	0.99	2.62	0.24	1.26	0.52	1.51	0.08	T.	0.24	13.18
Fort Laramie	0.50	0.25	1.55	3.82	4.81	1.90	0.69	1.15	0.55	0.50	0.08	1.26	17.06
Foxpark	1.08	3.09	0.75	3.10	.....	1.31	1.13	1.15	0.73	0.85	0.55	1.30	.....
Germania	0.29	0.42	0.16	1.49	1.07	0.71	0.08	0.25	0.74	1.40	0.32	0.56	7.49
Gillette	0.86	0.27	0.94	1.28	2.06	.....	T.	.....	0.19	0.59	0.01	0.57	.....
Green River	0.15	1.09	0.10	1.06	2.36	0.40	T.	.....	1.27	0.17	0.17	0.01	.....
Hecla	0.23	1.01	0.76	1.55	4.97	0.50	2.20	0.83	1.99	0.61	0.58	0.92	16.15
Hunter Station	.....	.....	.....	.....	.....	0.84	0.41	1.58	1.02	0.68	.....	.....	.....
Hyattville	0.00	0.18	0.60	1.50	0.35	0.02	0.00	0.00	0.05	0.65	0.24	0.90	4.49
Jackson	0.53	3.88	3.16	1.25	1.81	0.50	1.04	0.41	1.46	T.	0.21	1.83	16.08
Jireh	0.70	0.10	2.08	1.27	4.53	1.24	T.	0.66	0.08	0.32	0.00	.....	.....
Kendall	1.68	.....	1.50	.....	0.89	0.63	0.88	1.26	2.38	0.75	1.85	8.06	.....
Kirtley	0.44	0.00	1.23	2.43	5.79	0.82	0.08	0.86	0.28	0.51	0.16	0.38	13.98
Kirwin	.....	.....	.....	.....	.....	.....	0.30	1.78	.....	.....	.....	.....	.....
Knowles	0.50	0.54	0.94	2.19	4.04	1.77	0.18	1.80	0.83	1.08	T.	0.99	14.86
Lagrange	0.22	0.10	0.53	1.37	6.94	4.15	1.09	0.89	0.47	0.28	0.37	0.43	16.84
Lander	0.74	0.89	0.72	2.42	5.26	0.13	T.	0.31	0.05	0.81	1.10	0.42	12.85
Laramie	0.31	1.15	0.93	1.37	2.63	0.20	0.82	0.72	0.51	0.59	0.45	0.06	9.73
Lenore	0.03	0.77	0.66	1.97	3.44	0.50	0.00	.....	0.06	0.40	0.00	0.06	.....
Lovell	0.35	0.20	0.55	0.93	1.53	0.65	0.31	0.20	0.87	0.00	0.35	0.14	5.68
Lusk	0.34	0.00	1.15	2.25	3.27	1.53	0.00	0.10	0.15	0.12	0.00	0.40	9.31
Middle Fork Ranger Station	0.90	1.87	1.39	3.49	6.60	0.34	0.63	1.01	2.45	1.85	1.38	0.02	21.93

Monthly and annual precipitation for 1917—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wyoming—Continued.													
Moorcroft	0.94	0.58	1.24	3.12	4.34	1.51	0.75	0.38					
Moran	2.20	6.56	5.70	2.48	1.85	0.90	0.94	0.80	2.46	0.18	0.92	3.30	28.29
Opal			0.53	0.01							0.61	0.45	
Painter	0.56	0.70	0.20		2.32	0.69							
Pathfinder	0.31	0.29	0.49	1.49	2.99	0.72	0.04	0.65	0.60	0.39	0.26	0.25	8.48
Pine Bluff											0.10	0.44	
Pinedale	1.05	1.29	0.36	0.37	2.40	0.10	0.41	0.92	2.24	0.36	0.96	1.08	11.54
Powell	0.25	0.05	0.39	1.35	1.74	0.54	0.15	0.36	1.23	0.10	0.62	0.17	6.95
Rawlins	0.86	1.66	1.50	1.79	5.15	0.63	0.10	T.	0.51	0.27	T.	1.30	13.77
Rock River	0.81	0.73	0.44	3.26	4.30	0.18	1.02	1.21	0.03	0.80	0.39	0.07	13.84
Rockypoint	0.75	1.23	1.21	1.04	2.34	1.27	0.20	0.71	0.54	0.89	0.03	1.10	11.31
Sand Lake			3.85	2.85			0.98	2.31	1.29	3.22	1.40	5.05	
Saratoga (near)	0.78	1.11	0.99	1.03	4.01	0.56	0.87	0.30	0.52	0.40	0.86	0.50	11.93
Seven-mile Creek				2.43	5.01	0.88	2.26	1.54	0.46	0.88		2.58	
Sheridan	0.84	0.37	1.31	1.12	3.66	1.02	0.17	0.83	0.30	1.77	0.12	1.02	12.53
Sheridan Creek Ranger Station	1.24	2.19	2.59	1.41	1.86	0.77	0.72	0.95	0.99	1.10		2.13	
Sheridan Field Station					3.84	1.36	0.09	0.43	0.08	1.02	0.08	0.73	
Sherman	0.06	0.53	1.02	0.97	3.60	0.26	2.11	0.83	0.67	0.44	0.34	0.76	11.59
Shoshone Dam	0.15	0.18	0.23	0.41	2.36	0.14	0.58	0.94	0.96	0.23	0.40	1.81	8.39
South Pass City	0.57	2.11	1.59	2.46	2.24	0.74	0.24	1.10	1.00	0.36	0.46	0.40	13.27
Spencer (near)								0.50	0.16	0.08	T.	0.06	
Sundance	1.54	0.46	1.39	1.68	2.59	2.46	0.20	0.91	0.26	1.34	T.	1.87	14.70
Superior	0.10	0.45	0.20	0.39	2.87	0.39	0.66	0.24	1.65	0.13	0.32	0.40	7.80
Thermopolis	0.06	0.33	0.95	2.18	5.13	0.87	0.02	0.10	0.89	1.14	0.45	0.22	12.34
Timber Creek		0.69	0.80	3.27	5.07	0.67	0.59	1.66	0.71	1.03	0.45	0.43	
Upton	0.81	0.28	0.91	2.60	2.95	1.19	0.40	0.67	0.60	1.50	0.08		
Valley	0.41	0.62	0.31	1.02	3.75	0.45	0.58	1.03	0.37	1.31	0.24	0.70	10.79
Verona	0.69	0.40	1.70	0.65	4.50	1.21	T.	0.55	0.00	1.52	0.00	1.00	12.22
Wheatland	0.36	0.10	0.53							0.44	T.	0.93	
Willow Springs Ranger Station	1.28	1.09	1.95	1.50	2.07	2.75	0.22	0.71	0.15	2.48	0.04	1.33	15.57
Wyncote	0.24	0.06	0.53	1.97	4.88	1.19	T.	0.81	0.69	0.44	0.09	0.20	11.10
Yellowstone Park	0.69	1.83	1.99	2.64	1.97	0.67	0.41	0.17	1.75	0.97	0.66	2.28	16.03
Bechler River[1]	2.15	3.97	4.01	4.51	4.36				4.05	0.08			
Gallatin[1]	1.47	1.98	2.13	1.91	2.07	0.86	0.71	0.39	1.61	1.02	0.47	1.70	16.82
Lake Yellowstone[1]								0.83	2.92	0.91	1.01		
Norris Geyser Basin[1]										0.44	0.72		
Riverside[1]	1.00	2.97	2.31	1.65	1.57		1.11	0.74	1.16	0.54	0.66		
Snake River[1]								0.46	2.76	0.70	2.64	7.07	
Soda Butte[1]	1.80	1.01	1.42	1.48	0.55	T.	0.80	0.79	2.40	0.86	0.23		

[1] Station within Yellowstone Park.

SNOWFALL, 1917–1918.

Monthly and seasonal snowfall, 1917–1918.

NOTE.—Leaders under heading of months indicate no snow; under seasonal, report incomplete; T, a trace; *, no report.

[Inches and tenths.]

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Alabama.										
Anniston	.....	.....	T.	0.7	1.3	.....	.....	T.	.....	2.0
Auburn	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Birmingham	.....	.....	.....	0.4	1.3	.....	.....	T.	.....	1.7
Bridgeport	.....	.....	T.	7.3	8.7	.....	.....	T.	.....	16.0
Cordova	.....	.....	.....	(*)	(*)	.....	.....	.....	.....	.....
Decatur	.....	.....	.....	3.0	6.5	.....	.....	T.	.....	9.5
Florence	.....	.....	.....	3.0	7.3	.....	.....	.....	.....	10.3
Gadsden	.....	.....	.....	1.0	T.	.....	.....	T.	.....	1.0
Guntersville	.....	.....	T.	2.5	5.3	.....	.....	.....	.....	7.8
Highland Home	.....	.....	.....	1.0	T.	.....	.....	.....	.....	1.0
Mobile	.....	.....	.....	T.	T.	.....	.....	.....	.....	T.
Montgomery	.....	.....	.....	T.	0.1	.....	.....	T.	.....	0.1
Oneonta	.....	.....	T.	2.0	3.5	.....	.....	.....	.....	5.5
Troy	.....	.....	.....	0.5	.....	.....	.....	T.	.....	0.5
Valley Head	.....	.....	T.	11.0	4.7	.....	.....	.....	.....	15.7
Alaska.										
Akiak	(*)	3.0	.....	2.0	5.0	(*)	(*)	(*)	(*)	.....
Akulurak	T.	3.0	2.0	.....	18.5	19.0	(*)	(*)	(*)	.....
Allakaket	T.	2.0	6.2	0.8	7.8	18.5	(*)	(*)	(*)	.....
Anchorage	T.	13.0	18.8	1.8	17.2	19.0	5.7	(*)	T.	.....
Annex Creek	.....	36.0	41.7	132.5	60.8	94.0	73.8	16.6	.....	455.4
Atka	(*)	(*)	(*)	(*)	3.3	(*)	2.2	(*)	(*)	.....
Calder	.....	.....	8.0	80.0	16.0	43.0	48.0	.....	(*)	.....
Camp No. 4	.....	50.6	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Camp No. 6	3.0	73.5	.....	(*)	55.5	(*)	(*)	(*)	(*)	.....
Candle	T.	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Chickaloon	1.5	15.0	(*)	(*)	12.0	5.0	13.0	10.0	.....	.....
Chitina	2.0	18.0	25.5	8.0	12.5	(*)	(*)	8.0	.....	.....
Copper Center	(*)	(*)	(*)	(*)	(*)	(*)	6.0	6.0	0.3	.....
Cordova	.....	2.0	27.0	9.3	31.0	22.0	(*)	(*)	(*)	.....
Dead Horse Hill	(*)	0.2	18.5	(*)	(*)	(*)	(*)	(*)	(*)	.....
Donnelly	(*)	10.0	20.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Dutch Harbor (a)	.....	(*)	13.0	2.0	5.8	(*)	(*)	(*)	(*)	.....
Dutch Harbor (b)	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Eagle	1.8	10.8	11.4	T.	14.7	6.6	9.4	12.8	0.6	68.1
Fairbanks	1.0	6.5	5.5	2.2	5.0	12.7	28.4	9.0	(*)	.....
Fortman Hatchery	.....	.....	13.5	63.5	19.5	44.5	53.0	2.0	0.2	196.2
Fort Yukon	(*)	(*)	(*)	0.5	7.9	11.5	10.5	3.5	0.5	.....
Gulkana	(*)	(*)	(*)	7.5	17.4	3.9	8.1	19.1	(*)	.....
Holy Cross	T.	3.2	3.8	0.2	10.8	23.0	(*)	(*)	(*)	.....
Hot Springs	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Indian River	(*)	(*)	(*)	(*)	51.3	38.8	41.6	135.6	(*)	.....
Jumbo Mine	.....	.....	18.0	10.3	68.0	136.0	183.0	68.0	3.0	486.3
Juneau	.....	1.5	23.0	81.1	36.3	59.4	37.8	7.2	.....	246.3
Kennecott	(*)	8.6	14.5	13.1	(*)	10.5	(*)	(*)	(*)	.....
Ketchikan	.....	.....	5.5	31.0	9.9	8.0	9.8	.....	.....	64.2
Klukwan	.....	19.5	35.5	32.5	20.5	24.6	12.2	19.8	.....	164.6
Kodiak (a)	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Kodiak (b)	.....	(*)	13.5	8.5	26.0	(*)	(*)	(*)	(*)	.....
Latouche	.....	9.5	41.0	8.0	55.3	66.4	19.3	22.6	.....	222.1
Matanuska	.....	7.0	6.0	2.0	8.5	7.5	4.2	7.5	.....	42.7
McCarthy	(*)	(*)	4.5	(*)	(*)	(*)	(*)	(*)	.....	.....
Naknek	.....	(*)	(*)	.....	(*)	(*)	(*)	(*)	(*)	.....
Nenana	1.5	6.5	6.0	0.5	3.4	8.1	30.9	15.3	(*)	.....
Noatak	(*)	T.	1.5	(*)	6.8	(*)	(*)	(*)	(*)	.....
Nome	T.	(*)	4.1	T.	9.4	18.7	15.0	(*)	(*)	.....
Nulato	0.5	8.0	1.2	T.	14.6	20.2	18.3	(*)	(*)	.....
Paxson	11.0	5.0	12.0	(*)	(*)	(*)	5.0	66.0	.....	.....
Perseverance	.....	22.0	46.0	56.0	64.0	(*)	37.5	20.0	2.0	.....
Rampart	T.	9.9	10.7	.....	3.7	12.0	13.7	13.4	(*)	.....
Richardson	(*)	(*)	(*)	.....	9.0	(*)	(*)	(*)	(*)	.....
Ruby	(*)	2.8	2.0	.....	14.5	14.8	(*)	(*)	(*)	.....
St. Michael	.....	T.	3.0	0.5	4.0	(*)	(*)	(*)	(*)	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Alaska—Continued.										
Salmon Creek Beach	.....	T.	28.9	81.5	30.3	62.7	26.8	6.0	.....	236.2
Seldovia	(*)	(*)	(*)	(*)	40.4	26.3	20.1	15.0	.....	.....
Seward	.....	(*)	(*)	(*)	(*)	8.5	6.0	8.0	.....	.....
Sitka	.....	.....	5.6	45.0	1.5	(*)	(*)	11.5	.....	.....
Skagway	(*)	(*)	26.6	10.8	7.1	9.8	4.0	3.0	.....	.....
Speel River	.....	T.	61.5	(*)	(*)	(*)	(*)	(*)	(*)	.....
Strelna	(*)	(*)	28.5	(*)	17.0	(*)	(*)	(*)	(*)	.....
Sulzer	.....	.....	6.0	41.5	9.0	9.5	9.5	.....	(*)	.....
Tanana	1.2	4.8	7.0	0.1	2.2	10.9	13.8	7.1	(*)	.....
Thane	.....	(*)	(*)	71.0	23.5	(*)	(*)	4.8	.....	.....
Tonsina	(*)	11.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Valdez	.....	(*)	45.0	1.5	85.0	27.8	33.7	114.6	(*)	.....
Wales	T.	3.0	T.	(*)	(*)	(*)	(*)	(*)	(*)	.....
Willow Creek	T.	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Wrangel	(*)	(*)	.....	43.2	22.5	11.0	18.3	T.	(*)	.....
Yakutat	.....	8.0	11.5	10.5	30.5	40.0	30.5	34.0	.....	165.0
Arizona.										
Alpine	.....	.....	.....	.....	24.0	(*)	(*)	(*)	(*)	.....
Arivaca	.....	.....	.....	.....	T.	2.0	.....	.....	.....	2.0
Ashfork	.....	.....	.....	.....	10.0	4.1	.....	.....	.....	14.1
Benson	.....	.....	.....	.....	1.0	1.0	.....	.....	.....	2.0
Bisbee	.....	.....	.....	.....	9.0	8.7	.....	.....	.....	17.7
Blue	.....	.....	.....	.....	17.3	6.0	T.	(*)	.....	.....
Bly Ranger Station	.....	.....	.....	.....	23.5	(*)	(*)	1.0	(*)	.....
Canille	.....	.....	.....	.....	6.0	13.0	.....	.....	.....	19.0
Carr's Ranch	.....	.....	.....	.....	32.0	16.0	3.0	T.	.....	51.0
Cedar Glade	.....	.....	.....	.....	9.0	7.8	.....	.....	T.	16.8
Chin Lee	.....	.....	.....	T.	7.5	5.5	.....	T.	T.	13.0
Clifton	.....	.....	.....	.....	0.5	0.2	.....	.....	.....	0.7
Cochise	.....	.....	.....	.....	1.5	4.0	.....	.....	.....	5.5
Crown King	.....	.....	.....	.....	9.0	9.0	2.0	.....	T.	20.0
Douglas	.....	.....	.....	.....	5.0	9.0	.....	.....	.....	14.0
El Dorado	.....	.....	.....	.....	8.8	6.3	.....	(*)	.....	.....
Elgin (near)	.....	.....	.....	.....	1.2	8.0	.....	.....	.....	9.2
Flagstaff	.....	.....	0.1	.....	17.5	4.5	5.0	2.0	0.1	29.2
Fort Apache	.....	.....	.....	.....	11.5	.....	.....	.....	.....	11.5
Fort Huachuca	.....	.....	.....	.....	5.0	11.5	.....	.....	.....	16.5
Fort Valley	.....	.....	T.	T.	20.3	8.3	8.4	3.4	T.	40.4
Gisela	.....	.....	.....	.....	3.0	T.	.....	.....	.....	3.0
Globe	.....	.....	.....	.....	1.0	1.0	.....	.....	.....	2.0
Grand Canyon (Rim)	.....	.....	.....	.....	18.0	10.0	0.5	T.	T.	28.5
Greer	.....	.....	.....	T.	(*)	10.5	7.0	6.0	T.	.....
Heber	.....	.....	.....	.....	(*)	8.0	3.0	(*)	.....	.....
Helvetia	.....	.....	.....	.....	4.0	3.0	.....	.....	.....	7.0
Henry's Camp	.....	.....	.....	.....	15.1	12.2	.....	T.	.....	27.3
Hereford	.....	.....	.....	.....	3.5	3.0	.....	.....	.....	6.5
Holbrook	.....	.....	.....	.....	11.8	(*)	.....	.....	.....	.....
Honeymoon	.....	.....	.....	.....	14.0	(*)	.....	.....	.....	.....
Jerome	.....	.....	.....	.....	10.0	1.5	.....	.....	.....	11.5
Kayenta	.....	.....	.....	.....	(*)	0.7	.....	T.	.....	.....
Lakeside	.....	.....	.....	.....	24.5	10.0	.....	T.	T.	34.5
Las Moras Ranch	.....	.....	.....	.....	1.5	1.0	.....	.....	.....	2.5
Leslie Canyon	.....	.....	.....	T.	5.0	1.0	.....	.....	.....	6.0
Leupp	.....	.....	.....	.....	5.5	2.0	.....	.....	.....	7.5
Lewis Springs	.....	.....	.....	.....	2.5	2.0	.....	.....	.....	4.5
Lukachukai	.....	.....	.....	T.	19.0	6.0	3.0	T.	T.	28.0
Moccasin	.....	.....	.....	.....	14.5	.....	3.0	.....	.....	17.5
Natural Bridge	.....	.....	.....	.....	4.0	11.0	T.	.....	.....	15.0
Nogales	.....	.....	.....	.....	0.5	1.5	T.	.....	.....	2.0
Nutrioso	.....	.....	.....	.....	19.8	2.0	.....	(*)	.....	.....
Oracle	.....	.....	.....	.....	4.0	8.0	2.0	.....	.....	14.0
Paradise	.....	.....	.....	.....	5.5	3.0	.....	.....	.....	8.5
Parks	.....	.....	.....	.....	16.0	12.0	(*)	(*)	.....	.....
Pearce (near)	.....	.....	.....	.....	2.2	8.0	.....	.....	.....	10.2
Pinal Ranch	.....	.....	.....	.....	24.0	14.0	.....	.....	.....	38.0
Pinedale	.....	.....	.....	.....	16.2	7.0	1.0	2.6	.....	26.8
Pinto	.....	.....	.....	.....	12.0	T.	.....	T.	.....	12.0
Prescott	.....	.....	.....	.....	16.0	6.0	2.0	.....	.....	24.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Arizona—Continued.										
Prescott Dry Farm					4.2	0.2				4.4
St. Johns					9.5	T.	(*)	(*)		
St. Michaels			T.	T.	11.4	1.0	T.	3.0	T.	15.4
Seligman					5.0	3.0	T.	T.		8.0
Show Low					22.5	8.5	T.	3.5		34.5
Snowflake					10.0	3.0				13.0
Springerville				0.5	6.3	1.5	T.	T.		8.3
Sunflower Ranger Station					4.2	2.3		(*)		
Truxton					1.1	3.0		(*)		
Walnut Creek Ranger Station					13.0	9.0			2.0	24.0
Walnut Grove					1.5	0.5				2.0
Williams					11.8	20.0	2.0	T.	1.0	34.8
Willow Wash					11.5	10.5	4.0			26.0
Windmill Ranch					4.0	2.0				6.0
Winslow					13.0	T.				13.0
Yaeger Canyon Ranch Station					16.0	6.0	0.6		T.	22.6
Young					18.0	6.0			(*)	
Arkansas.										
Alicia				17.0	(*)	(*)				
Arkadelphia					9.0					9.0
Arkansas City					3.0					3.0
Batesville				13.0	29.0	1.0				43.0
Bee Branch				5.0	(*)	2.0				
Bentonville				6.8	21.0	T.				27.8
Bergman				13.2	29.0					42.2
Black Rock				8.0	26.5	4.0				38.5
Boonville				3.0	15.0	2.0				20.0
Brinkley				8.1	13.8					21.9
Calico Rock				10.0	48.0					58.0
Camden				0.3	5.7					6.0
Centerpoint				T.	13.0					13.0
Clarendon				4.2	10.2	0.2				14.6
Conway				6.5	24.0					30.5
Corning				12.5	40.5	2.0				55.0
Crossett					10.7					10.7
Danville				5.5	14.0	1.5				21.0
Dardanelle				4.5	19.7	0.8				25.0
Dumas				1.5	11.0					12.5
Dutton				8.0	26.4					34.4
Eldorado					4.2					4.2
England				(*)	9.0					
Eureka Springs				12.0	20.0					32.0
Fayetteville				8.0	29.0					37.0
Fort Smith				2.1	13.6	0.3				16.0
Fulton					6.5					6.5
Georgetown				11.3	21.5					32.8
Gravette				6.5	14.7					21.2
Hardy			T.	17.0	43.0	1.0				61.0
Helena				1.0	(*)	(*)				
Hemp Wallace				0.2	21.5					21.7
Hope					6.0					6.0
Hot Springs				11.5	15.2					26.7
Huttig					5.5					5.5
Jelks				11.0	20.0					31.0
Jonesboro				20.0	16.9	0.2				37.1
Junction			(*)		5.5					
Little Rock				6.6	19.4					26.0
Lutherville				3.5	21.2					24.7
Malvern				5.0	12.5					17.5
Mammoth Springs			T.	10.0	29.0	1.5				40.5
Marianna				6.0	12.1					18.1
Marked Tree			T.	15.7	37.5					53.2
Marshall				13.3	37.0					50.3
Mena		T.		0.5	11.7					12.5
Mountain Home				10.0	26.2	0.5				36.7
Mount Ida				T.	9.0					9.0
Murfreesboro					9.0					9.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Arkansas—Continued.										
Nail				7.0	19.1					26.1
Newport				12.2	32.0					44.2
Okay				5.5	25.5					31.0
Osceola				9.5	35.0	1.0				45.5
Ozark				3.5	15.2					18.7
Pine Bluff				1.0	7.0					8.0
Pocahontas				12.4	28.0	0.5				40.9
Portland				2.2	4.8					7.0
Prescott				T.	6.5					6.5
Princeton		(*)	(*)	(*)	(*)					
Rison					6.5					6.5
Rogers		T.		9.0	28.9					37.9
Searcy				15.0	27.0	0.5				42.5
Sheridan				1.5	11.2					12.7
Springbank					6.0					6.0
Stuttgart				2.8	12.1	T.				14.9
Subiaco				1.5	17.1					18.6
Texarkana				T.	7.0					7.0
Umphers				21.0	7.0					28.0
Warren					10.2					10.2
Whitecliffs					7.0					7.0
Wynne			T.	10.0						
California.										
Alturas					4.0	9.5	18.0	1.0	1.0	33.5
Bear Valley Dam					10.0	19.0	19.0		3.0	51.0
Bishop Creek			11.1		1.0	60.2	49.0	T.	0.6	121.9
Blue Canon			T.	0.5	12.0	80.0	48.0	8.0	0.5	149.0
Branscomb						12.5	1.5			14.0
Bridgeport			4.0	0.1	(*)	(*)	(*)	(*)	(*)	
Bucks			6.0	6.0	15.0	115.0	68.0	8.0		218.0
Burney					T.	14.4	7.5		T.	21.9
Cahuilla					0.5	6.0				6.5
Camptonville (near)					5.0	25.5	10.5	0.5		41.5
Canon Dam			1.0	2.0	5.0	50.0	27.0			85.0
Cascada			T.		3.5	40.0	21.5	1.5		66.5
Cedarville				3.0	7.0	11.0	12.0	2.0		35.0
Chester			0.5	0.5	7.5	47.8	37.5	1.0	6.5	101.3
Clover Valley			2.0	1.0	8.0	38.0	42.0	3.0		94.0
Colfax					1.0	6.0	6.0	T.		13.0
Covelo						T.				T.
Cuyamaca					1.0	37.0	1.5			39.5
Deer Creek					7.0	37.0	22.0	0.5		66.5
De Sabla					3.0	20.5	11.0			34.5
Downieville					2.8	10.8	9.8	0.5		23.9
Dudleys					1.0	12.0	11.0		T.	24.0
Eagle Lake					3.5	26.5	21.0	1.0		52.0
Emigrant Gap			2.0	4.0	14.0	76.0	68.0	8.0	2.5	174.5
Fordyce Dam			6.0	9.0	22.0	100.0	127.0	13.0	1.5	278.5
Fort Bidwell			1.0	1.0	7.0	12.5	12.5		1.0	35.0
Glennville						3.0	T.	1.0		4.0
Gold Run					2.0	16.0	14.0			32.0
Grass Valley					2.0	9.0	3.5	T.		14.5
Happy Camp					1.7	19.2	4.5			25.4
Hayfork				T.		14.0	T.			14.0
Hetch Hetchy					3.0	34.0	28.5	1.5		67.0
Hot Springs						10.0	2.0			12.0
Hullville (near)					0.2	10.0	3.5			13.7
Huntington Lake			5.0	2.0	8.8	99.2	72.0	5.2	7.9	200.1
Inskip					11.5	58.8	40.8	8.5	1.5	121.1
Julian						12.0	2.0			14.0
Lake Eleanor					9.0	63.5	48.0	1.0		121.5
Lake Spaulding			2.0	4.0	17.0	98.0	86.0	9.0	1.0	217.0
La Porte			T.	2.2	19.0	70.0	44.2	10.5	1.0	146.9
Lone Pine						6.0	2.0			8.0
McCloud					10.0	25.5	14.8			50.3
Madeline			1.0	1.0	10.0	19.0	23.0	3.0		57.0
Magalia					2.0	10.0	2.0			14.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
California—Continued.										
Mill Creek (No. 1)	.....	.....	.....	.....	.....	5.5	4.0	.....	.....	9.5
Nellie	.....	.....	.....	.....	3.5	11.8	5.0	.....	2.4	22.7
Nevada City	.....	.....	.....	.....	2.0	11.0	4.5	T.	.....	17.5
North Bloomfield	.....	.....	.....	.....	2.0	12.0	10.0	T.	.....	24.0
North Fork	.....	.....	.....	.....	.....	8.0	3.0	.....	.....	11.0
Portola	.....	.....	.....	.....	2.0	40.0	34.0	.....	.....	76.0
Quincy	.....	.....	.....	T.	2.5	32.5	21.5	1.0	.....	57.5
Ruth	.....	.....	.....	T.	.....	21.0	7.0	T.	.....	28.0
Seven Oaks	.....	.....	.....	.....	2.0	16.0	9.0	.....	T.	27.0
Sierraville	.....	.....	.....	.....	T.	44.0	48.0	3.0	.....	95.0
Sisson	.....	.....	.....	.....	11.0	26.0	26.5	.....	.....	63.5
Springville (near)	.....	.....	.....	.....	1.5	23.0	11.0	2.0	.....	37.5
Squirrel Inn	.....	.....	.....	.....	T.	14.0	8.0	T.	.....	22.0
Stevenson Creek	.....	.....	.....	.....	.....	19.2	9.0	3.0	.....	31.2
Stirling City	.....	.....	.....	.....	4.0	10.0	4.0	.....	.....	18.0
Summit (No. 2)	.....	.....	7.0	10.0	33.0	127.0	102.0	8.0	3.0	290.0
Table Rock	.....	.....	0.5	4.0	10.0	72.0	42.0	6.0	.....	134.5
Tahoe	.....	.....	2.0	5.0	10.0	88.0	80.0	4.0	T.	189.0
Tamarack	.....	.....	.....	26.0	21.0	104.0	116.0	14.0	14.0	295.0
Towle	.....	.....	.....	.....	5.0	29.0	16.0	T.	.....	50.0
Truckee	.....	.....	2.0	3.0	6.0	64.0	65.0	1.7	3.0	144.7
Weaverville	.....	.....	.....	.....	1.0	10.5	T.	.....	.....	11.5
Wells Meadows	.....	.....	.....	.....	0.2	24.5	4.0	.....	.....	28.7
West Branch	.....	.....	.....	.....	3.0	18.5	5.5	T.	.....	27.0
Yosemite	.....	.....	.....	.....	5.0	63.0	32.0	T.	.....	100.0
Yreka	.....	.....	T.	.....	T.	15.2	1.8	T.	.....	17.0
Colorado.										
Akron Experiment Station	.....	3.0	T.	5.0	7.0	8.0	.....	8.0	.....	31.0
Ames	.....	T.	5.2	6.0	63.7	26.0	14.5	1.8	1.0	118.2
Arriba (near)	.....	3.0	(*)	(*)	(*)	(*)	1.7	12.2	.....	.....
Ashcroft	.....	16.0	13.0	10.0	35.0	(*)	51.0	(*)	5.0	.....
Aspen	.....	4.3	1.8	9.5	37.5	28.8	31.0	2.0	.....	114.9
Auldhurst	1.0	7.0	4.0	2.9	18.8	11.6	24.0	27.0	1.5	97.8
Barker	.....	17.0	5.7	22.0	16.6	30.1	23.6	25.5	2.9	143.4
Bennett	.....	T.	T.	T.	(*)	(*)	T.	.....	.....	.....
Bonanza	0.8	8.0	7.5	4.0	23.8	26.5	18.0	10.0	0.2	98.8
Boulder	.....	7.5	.....	5.3	(*)	14.5	.....	.....	.....	.....
Buena Vista (near)	.....	(*)	1.5	T.	7.0	6.8	4.5	2.2	3.0	.....
Burlington	.....	2.0	3.0	1.0	5.0	6.0	.....	1.5	.....	18.5
Calhan	.....	3.8	T.	1.0	4.5	8.8	1.0	7.0	T.	26.1
Canadian	(*)	(*)	(*)	(*)	(*)	(*)	12.0	21.5	2.2	.....
Canon City	.....	3.0	.....	T.	20.5	10.0	.....	T.	T.	33.5
Cascade	.....	.....	10.0	4.0	40.0	30.0	42.0	1.0	.....	127.0
Castle Rock	(*)	2.0	5.0	3.0	16.5	10.0	(*)	(*)	.....	.....
Cathedral	(*)	(*)	(*)	1.2	15.5	7.0	6.0	4.0	T.	.....
Cedaredge	.....	.....	.....	1.0	25.0	6.0	.....	(*)	.....	.....
Cheeseman	.....	2.0	4.0	2.8	9.4	9.0	14.5	12.0	0.2	53.9
Cheyenne Wells	.....	4.0	1.0	3.0	18.0	11.0	2.0	5.5	.....	44.5
Collbran	.....	T.	T.	2.0	65.0	19.0	8.5	5.0	T.	99.5
Colorado Springs	.....	T.	T.	T.	10.0	4.0	T.	(*)	T.	.....
Columbine	1.5	7.4	14.4	23.5	47.6	35.0	23.5	9.9	4.2	167.0
Columbine Ranch	.....	4.0	3.0	0.5	28.0	8.0	12.0	14.0	.....	69.5
Crawford (near)	.....	.....	T.	2.0	19.0	(*)	.....	2.0	.....	.....
Crested Butte	.....	8.0	9.0	19.0	54.5	45.0	57.2	7.0	.....	199.7
Cripple Creek	0.5	3.8	5.0	2.0	11.4	12.4	11.1	14.1	3.0	63.3
Cuchara Camps	5.0	7.5	12.8	7.8	40.5	27.0	57.2	23.0	T.	180.8
Cumbres	.....	.....	4.5	0.5	72.5	45.0	49.5	5.8	3.5	181.3
Delta	.....	.....	.....	.....	23.2	5.0	(*)	T.	.....	.....
Denver	.....	11.7	T.	4.3	8.1	13.3	2.5	19.5	4.7	64.1
Dillon	.....	21.4	11.5	8.2	21.2	32.0	23.0	15.5	5.0	137.8
Dolores	.....	.....	.....	.....	29.5	(*)	(*)	.....	.....	.....
Dove Creek	.....	.....	2.0	T.	18.0	3.0	T.	T.	T.	23.0
Durango	.....	.....	T.	T.	20.9	10.6	2.5	4.0	T.	38.0
Eads	(*)	(*)	.....	0.2	7.5	4.0	.....	.....	T.	.....
Edgewater	.....	15.0	.....	6.0	8.8	15.0	(*)	(*)	.....	.....
Ellicott	.....	(*)	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....
Estes Park Fish Hatchery	.....	15.0	6.0	7.0	7.0	21.0	2.0	9.0	10.0	77.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Colorado—Continued.										
Fairplay	.....	4.0	1.0	2.2	2.5	33.0	(*)	(*)	(*)	.....
Fort Collins	.....	6.5	0.5	5.0	6.0	14.5	0.2	17.0	.....	49.7
Fort Lewis	.....	(*)	.....	.....	19.2	10.0	1.0	2.0	T.	.....
Fort Lupton	.....	0.6	.....	1.0	5.0	12.0	T.	8.0	.....	26.6
Fort Morgan	.....	2.0	1.0	5.0	2.2	2.8	0.5	4.5	.....	18.0
Frances	0.3	26.4	5.7	52.1	36.4	42.4	34.8	40.2	16.1	254.4
Fraser	2.0	21.5	16.0	39.5	44.5	39.5	32.0	34.0	9.0	238.0
Fremont Experiment Station	3.0	6.4	3.2	2.8	19.1	15.2	18.8	23.1	2.9	94.5
Fruita (near)	.....	.....	.....	0.9	16.8	0.5	T.	.....	.....	18.2
Fry's Ranch	.....	12.0	1.5	13.0	6.0	23.0	9.5	19.5	.....	84.5
Garfield	1.5	7.0	6.2	8.8	53.0	23.8	25.5	20.6	7.8	154.2
Garnett	.....	T.	T.	.....	4.5	8.0	.....	.....	.....	12.5
Georgetown	.....	11.0	2.0	6.5	10.5	24.0	16.0	10.5	3.0	83.5
Glade Park	.....	.....	.....	5.0	(*)	16.0	.....	.....	.....	.....
Glen	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Glendevey	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Glenwood Springs (near)	.....	(*)	4.0	12.0	(*)	(*)	(*)	6.0	.....	.....
Goodpasture	(*)	11.0	.....	T.	23.5	23.0	3.0	(*)	.....	.....
Grand Junction	.....	.....	.....	0.5	15.9	2.1	T.	0.7	.....	19.2
Grandlake	T.	18.5	10.8	35.0	43.8	35.5	23.2	31.8	T.	198.6
Greeley	(*)	6.0	.....	3.5	6.0	5.0	(*)	(*)	.....	.....
Grover (near)	.....	1.5	2.0	12.5	11.0	6.5	.....	13.0	T.	46.5
Gunnison	.....	T.	2.0	2.5	25.5	14.8	1.0	1.0	2.0	48.8
Hamps	.....	3.0	T.	2.5	4.0	8.5	.....	8.5	0.8	27.3
Hartsel	.....	1.0	1.0	2.1	9.5	6.0	4.5	2.0	.....	26.1
Hawthorne	.....	16.5	.....	11.0	15.0	25.5	1.0	11.0	3.0	83.0
Hermit	.....	2.5	12.0	5.7	24.5	13.0	20.0	8.0	T.	85.7
Hoehne (near)	.....	2.0	2.0	T.	(*)	10.0	12.0	5.0	.....	.....
Holly	.....	2.0	.....	1.5	6.0	5.0	.....	.....	.....	14.5
Holyoke (near)	.....	(*)	.....	3.0	8.0	(*)	.....	10.0	.....	.....
Hoyt	.....	(*)	(*)	3.0	8.5	6.0	.....	.....	.....	.....
Huerfano	.....	6.7	1.6	T.	24.0	12.5	7.5	0.7	.....	53.0
Idaho Springs	.....	12.0	7.0	8.0	11.0	15.0	9.5	4.5	T.	67.0
Ignacio	.....	.....	T.	0.0	14.5	9.0	1.0	T.	.....	24.5
Ironton	(*)	T.	11.0	8.0	70.0	26.0	21.0	19.0	3.0	.....
Julesburg	.....	1.0	T.	2.0	4.2	6.0	0.8	11.0	.....	25.0
La Junta	.....	2.4	.....	T.	8.1	6.8	.....	.....	.....	17.3
Lake City	T.	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Lake Moraine	2.0	7.0	3.0	3.0	23.0	32.0	33.0	30.0	3.0	136.0
Lamar	.....	1.0	.....	.....	7.0	8.0	.....	.....	.....	16.0
Laporte	.....	7.2	(*)	3.5	8.1	12.8	.....	10.5	.....	.....
Las Animas	.....	0.5	.....	.....	7.0	6.0	.....	.....	.....	13.5
La Veta Pass	5.0	8.0	3.8	3.0	40.5	17.0	54.5	26.8	4.0	162.6
Lay	.....	T.	3.0	4.0	25.0	20.0	2.0	19.0	T.	73.0
Leadville	0.3	26.4	9.0	15.6	26.9	29.4	21.7	10.4	4.6	144.3
Leroy (near)	.....	3.0	5.0	9.3	8.0	7.5	0.6	14.6	1.0	49.0
Limon (near)	.....	1.8	T.	5.0	6.8	8.0	1.0	7.2	T.	29.8
Lonesome	T.	2.5	4.5	9.0	73.5	(*)	(*)	(*)	(*)	.....
Longmont	.....	6.2	.....	1.0	2.4	19.2	.....	8.0	3.5	40.3
Long's Peak (near)	.....	(*)	1.0	12.0	22.0	31.0	11.0	31.0	13.0	.....
Lost Creek	T.	6.5	14.0	18.9	100.0	(*)	(*)	(*)	(*)	.....
Madrid	.....	4.5	7.0	4.0	16.0	11.5	20.0	1.0	.....	64.0
Manassa	.....	.....	.....	1.0	7.0	8.0	2.0	.....	.....	18.0
Mancos	.....	.....	.....	.....	6.0	4.0	.....	.....	.....	10.0
Meeker (near)	.....	.....	3.0	T.	52.0	9.0	.....	.....	.....	64.0
Montrose	.....	.....	.....	.....	33.2	5.8	.....	13.0	.....	52.0
Monument	.....	6.0	5.0	5.5	13.5	15.0	12.0	27.5	1.0	85.5
Nast	T.	10.0	15.5	12.5	53.0	26.5	27.0	16.5	8.0	169.0
North Lake	T.	7.0	T.	T.	34.1	15.8	17.0	.....	T.	73.9
Ordway	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Palisade Lake	.....	.....	4.0	.....	48.0	34.0	51.2	10.2	.....	147.4
Palisades	.....	.....	.....	.....	(*)	(*)	(*)	2.5	.....	.....
Paonia	.....	.....	.....	2.0	40.6	9.5	2.0	9.0	T.	63.1
Peetz	.....	2.0	.....	5.0	4.0	3.0	1.0	4.0	.....	19.0
Piney	2.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Pitkin	1.0	6.2	9.6	7.7	42.0	18.4	33.2	18.5	5.2	141.8
Platoro	T.	T.	(*)	(*)	(*)	(*)	(*)	(*)	4.2	.....
Platte Canon	.....	10.0	2.0	6.0	15.5	17.5	8.0	8.0	3.0	70.0
Pueblo	.....	3.3	T.	0.4	7.5	7.8	0.6	2.4	.....	22.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Colorado—Continued.										
Redvale	.....	.....	(*)	T.	25.6	8.4	.....	9.1	.....	.....
Rico	.....	.....	2.5	5.0	50.2	26.0	28.0	8.5	0.3	120.5
Rifle	.....	.....	T.	2.0	36.5	(*)	.....	.....	.....	.....
Rocky Ford (near)	.....	1.0	.....	T.	6.0	T.	T.	.....	.....	7.0
Saguache	.....	.....	.....	T.	17.0	10.8	0.5	T.	.....	28.3
St. Elmo	T.	4.0	6.5	8.5	31.5	29.5	39.5	10.9	T.	130.4
Salida	.....	T.	.....	T.	10.0	11.0	.....	.....	.....	21.0
San Luis	.....	2.5	T.	0.2	16.0	4.4	3.5	.....	.....	26.6
Sapinero (near)	0.5	0.6	10.7	7.2	47.9	25.2	12.0	16.2	1.0	121.3
Savage Basin	2.0	8.8	27.2	24.5	131.0	55.0	68.5	61.0	14.0	392.0
Sedgwick	.....	T.	T.	1.5	2.0	(*)	(*)	1.0	.....	.....
Shoshone	.....	(*)	4.5	10.0	49.5	16.0	6.0	1.5	.....	.....
Silver Lake	2.5	(*)	10.0	71.5	65.5	54.5	31.0	49.5	12.0	.....
Silverton (near)	T.	1.5	12.0	6.0	31.1	11.0	33.0	3.0	1.0	98.6
Simpson	.....	4.0	.....	3.0	4.5	8.0	T.	6.0	.....	25.5
Spicer (near)	T.	7.5	5.5	12.0	(*)	10.0	4.0	14.0	1.0	.....
Springfield	.....	1.0	T.	.....	8.0	10.0	(*)	(*)	.....	.....
Spruce Lodge	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Steamboat Springs	.....	.....	15.0	40.5	66.5	37.0	16.0	9.2	.....	184.2
Sterling	.....	0.5	4.0	3.5	9.0	13.5	.....	10.5	.....	41.0
Tacoma	.....	.....	T.	T.	26.5	8.0	4.0	.....	.....	38.5
Telluride	.....	.....	19.2	9.0	111.0	35.0	48.0	12.0	5.0	239.2
Terminal Dam	.....	T.	1.5	2.0	32.0	20.0	31.0	5.0	T.	91.5
Trinidad	.....	4.9	3.0	2.0	19.0	11.5	26.0	3.6	.....	70.0
Trout Lake	1.0	T.	2.8	8.5	66.5	29.0	32.5	15.5	7.0	162.8
Two Buttes	.....	1.0	.....	1.0	3.5	6.5	.....	1.0	.....	13.0
Two Buttes Reservoir	.....	2.0	T.	.....	6.0	8.0	.....	.....	.....	16.0
Vallecito	.....	.....	2.0	.....	38.0	24.5	32.0	.....	.....	96.5
Victor	2.5	1.7	3.0	0.5	17.0	10.5	8.0	11.5	4.0	58.7
Wagon Wheel Gap—Experiment Station	T.	1.2	11.6	3.3	10.6	14.3	16.8	5.1	0.8	63.7
Wagon Wheel Gap—River Valley	.....	T.	4.8	2.0	5.0	10.3	7.4	1.0	T.	30.5
Waterdale	.....	7.5	.....	(*)	(*)	(*)	(*)	.....	.....	.....
Westcliffe	.....	6.0	.....	T.	17.0	15.0	25.0	4.0	0.5	67.5
Wiggins	.....	.....	.....	(*)	3.0	(*)	.....	.....	.....	.....
Willard	.....	1.0	2.5	6.2	5.7	4.0	T.	4.0	T.	23.4
Wortman	(*)	21.5	8.2	18.4	34.2	30.1	24.3	16.7	9.6	.....
Wray	.....	3.0	.....	(*)	(*)	10.8	1.0	.....	.....	.....
Yampa (near)	T.	3.8	4.0	14.0	27.5	16.8	4.5	7.0	.....	77.6
Yuma	.....	4.0	T.	9.5	8.8	8.2	T.	15.0	.....	45.5
Connecticut.										
Bridgeport	.....	.....	0.7	15.2	12.0	7.3	4.5	2.5	.....	42.2
Canton	.....	.....	0.8	18.0	(*)	6.0	7.0	5.0	.....	.....
Colchester	.....	.....	1.0	7.5	11.0	3.5	6.0	1.5	.....	30.5
Cream Hill	.....	.....	5.0	21.0	26.5	6.8	12.5	7.0	.....	78.8
Danielson	.....	.....	4.0	10.5	11.0	6.0	7.5	3.0	.....	42.0
Hartford	.....	.....	0.4	13.7	13.2	5.8	7.1	4.5	.....	44.7
New Haven	.....	.....	0.6	10.8	10.3	4.1	5.8	1.6	.....	33.2
New London	.....	.....	2.0	4.5	14.2	11.0	11.5	3.5	.....	46.7
North Grosvenor Dale	.....	.....	T.	(*)	(*)	(*)	(*)	(*)	.....	.....
Norwalk	.....	.....	1.0	16.0	15.0	3.5	5.0	2.0	.....	42.5
Southington	.....	.....	1.0	17.0	11.0	6.0	9.5	5.5	.....	50.0
Storrs	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Torrington	.....	.....	0.5	19.0	28.0	(*)	(*)	(*)	.....	.....
Voluntown	.....	.....	1.0	(*)	5.0	4.0	(*)	(*)	.....	.....
Waterbury	.....	.....	0.6	14.0	12.0	2.5	(*)	(*)	.....	.....
Delaware.										
Delaware City	.....	.....	1.5	(*)	17.5	1.0	T.	0.5	.....	.....
Milford	.....	.....	2.0	5.0	26.5	1.0	.....	.....	.....	34.5
Millsboro	.....	.....	2.0	8.0	19.5	2.0	.....	.....	.....	31.5
Newark	.....	.....	1.5	(*)	20.5	1.0	.....	0.5	.....	.....
Seaford	.....	.....	1.0	3.0	22.0	1.0	.....	.....	.....	27.0
Wilmington	.....	.....	1.5	3.7	24.0	2.7	.....	T.	.....	31.9
District of Columbia.										
Washington	.....	T.	2.5	6.8	22.6	1.5	.....	3.0	.....	36.4

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Florida.										
Apalachicola				T.						T.
Archer				T.						T.
Bonifay				0.1						0.1
Bristol				0.5						0.5
Carrabelle				T.						T.
Cedar Keys				T.						T.
Crescent City				0.4						0.4
De Funiak Springs				0.5						0.5
De Land				T.						T.
Eustis				T.						T.
Federal Point				0.2						0.2
Fenholloway				T.						T.
Fernandina				T.						T.
Gainesville				T.						T.
Garniers (near)				T.						T.
Hilliard				T.						T.
Isleworth				T.						T.
Jacksonville				T.						T.
Johnstown				T.						T.
Lake City				T.						T.
Live Oak				T.						T.
Lynne (near)				T.						T.
Macclenny				0.2						0.2
Madison				T.						T.
Marianna				0.8						0.8
McDonald				T.						T.
Melrose				0.1						0.1
Middleburg				0.1						0.1
Monticello				T.						T.
Morton's Farm				T.						T.
Mount Pleasant				T.						T.
Ocala				T.						T.
Orange City				T.						T.
Pensacola				T.						T.
Quincy				0.4						0.4
Rockwell				T.						T.
St. Andrews				0.5						0.5
St. Augustine				0.7						0.7
Sanford				T.						T.
Satsuma Heights				T.						T.
Switzerland				0.1						0.1
Tallahassee				T.						T.
Wausau				0.5						0.5
Georgia.										
Adairsville				5.0	3.5			T.		8.5
Albany				T.	T.					T.
Atlanta			T.	4.9	2.9			0.2		8.0
Augusta				0.9	1.0					1.9
Bainbridge				T.						T.
Blakely				0.2						0.2
Canton				10.6	5.1			T.		15.7
Clayton			T.	8.0	6.5					14.5
Dahlonega			T.	7.0	3.7	T.		T.		10.7
Eastman				0.5						0.5
Gainesville				5.7	3.2					8.9
Gillsville				3.3	4.1					7.4
Glennville				0.5	0.5					1.0
Hartwell				6.5	3.5					10.0
Lisbon				4.5	3.0					7.5
Lost Mountain			T.	(*)	3.2					
Macon				T.	T.			T.		T.
Newnan				0.5	T.					0.5
Point Peter				5.0	8.0					13.0
Ramhurst				5.0	7.0			T.		12.0
Resaca				7.5	2.0					9.5
Rome			T.	2.4	4.5			T.		7.0
Savannah				0.1						0.1
Statesboro				T.	2.0					2.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Georgia—Continued.										
Talbotton				T.						T.
Tate			T.	5.5	4.4					9.9
Thomasville				0.3						0.3
Toccoa				6.0	1.4					7.4
Washington				3.5	3.5					7.0
Waycross				0.4						0.4
Idaho.										
Aberdeen					1.5	(*)				
American Falls			T.		15.5	6.1	0.8	0.1		22.5
Arco	(*)	(*)	T.	(*)	(*)	(*)	(*)	(*)	(*)	
Ashton		T.	(*)	(*)	33.0	25.0	(*)	4.0		
Atlanta			(*)	26.0	33.0	34.0	12.0	(*)	(*)	
Avery		T.	T.	2.3	21.0	27.8	16.0	T.		67.1
Big Springs	T	2.6	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Blackfoot			T.	T.	9.8	4.0	0.5	1.0	T.	15.3
Blackfoot Dam		3.5	7.5	6.0	20.5	5.5	(*)	4.0	1.5	
Bliss	(*)	(*)	(*)	(*)	(*)	0.4		1.0		
Bogus Creek		T.	T.	2.7	28.4	16.7	10.0	2.2	T.	60.0
Boise				T.	4.9	3.2	4.6	T.	T.	12.7
Boise King			2.0	9.0	24.0	17.0	10.0		T.	63.0
Bonanza		1.0	15.0	39.5	29.5	38.0	17.0	0.1	T.	140.1
Boulder Mine			9.7	19.0	43.3	40.9	13.1			126.0
Brownlee		T.	1.5	4.8	17.4	11.4	1.0	2.0		38.1
Buhl				0.3	2.8	2.0	1.2	0.3		6.6
Burke		20.0		52.0	44.0	40.0	18.0	2.0		176.0
Burley			T.	0.5	4.0	0.8	0.2	0.2		5.7
Caldwell					3.0	3.0	3.0	T.		9.0
Cambridge			T.	1.0	9.2	14.5				24.7
Challis		T.	0.8	1.8	4.8	8.8	2.5	T.	1.0	19.7
Chattin's Ranch			3.0	T.	1.0	T.	0.5	T.		4.5
Chesterfield		T.	3.0	(*)	14.1	4.0	(*)	(*)	(*)	
Coeur d'Alene				10.9	10.2	11.1	4.5			36.7
Cottonwood Creek		T.	2.4	3.0	18.5	24.3	2.8	T.		51.0
Council			T.	2.5	15.0	20.5				38.0
Cuprum		T.	3.7	10.0	24.5	32.5	5.0	1.0		76.7
Deary			3.0	(*)	(*)	(*)	(*)	(*)	(*)	
Driggs		2.5	9.0	5.5	32.0	(*)	(*)	(*)	(*)	
Emmett					1.5	0.5	4.0			6.0
Flowers		(*)	(*)	(*)	(*)	(*)	(*)	4.0	2.0	
Fort Hall		T.	T.	2.5	6.5	5.0	1.0	1.6		16.6
Fraser Ranger Station	(*)		(*)	(*)	(*)	(*)	(*)	2.0	6.0	
Garden Valley Ranger Station			1.0	3.5	(*)	(*)	7.0	T.		
Geneva			4.0	1.5	13.0	18.0	2.0	4.0	6.0	48.5
Glenns Ferry	(*)			T.	4.0	6.5	3.0			
Gooding				T.	(*)	2.0		2.0		
Grace		T.	T.	5.0	7.2	(*)	(*)	1.0	T.	
Grays Lake			7.0	12.0	42.0	9.0	12.0	(*)	0.5	
Grimes Pass		T.	3.0	5.5	32.2	40.7	15.0	0.7		97.1
Guffey			(*)	T.	T.	0.5	T.			
Gunnell		0.2	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Hailey			3.5	2.2	5.7	40.0	1.5	2.5		55.4
Hawley Gulch		4.0	9.2	15.3	(*)	(*)	(*)	(*)	3.6	
Hazelton	(*)	(*)	(*)	(*)	(*)	2.0	T.	2.0		
Hollister			T.	T.	2.0	2.0	T.	3.0	T.	7.0
Hotspring					3.0	T.				3.0
Idaho City			6.0	4.0	18.0	16.0	5.0	T.		49.0
Idaho Falls		T.	T.	0.2	17.4	2.0	0.5	2.5	T.	22.6
Indian Cove	(*)	(*)	(*)	(*)	T.	(*)		T.		
Irwin		1.0	2.0	7.5	30.0	9.0	2.0	5.0	T.	56.5
Jerome	(*)	(*)		T.	(*)	(*)	T.			
Kamiah					16.2	2.5	2.0			20.7
Kellogg		2.0		18.2	16.5	19.8	5.7			62.2
Kirkham		T.	(*)	(*)	31.0	30.0	7.0	1.0	T.	
Kooskia			(*)	(*)	(*)	(*)	(*)			
Lapwai	(*)	(*)	(*)	(*)	(*)	(*)	(*)			
Lemhi		1.5	3.8	3.0	13.3	7.5	4.5	8.2	0.2	42.0
Lewiston				0.3	15.1	1.6	0.8			17.8

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Idaho—Continued.										
Little Camas	.....	.....	5.5	7.0	22.0	27.5	6.0	7.5	T.	75.5
Long Gulch	.....	.....	(*)	(*)	25.0	(*)	(*)	0.2	.....	.....
Loon Creek	.....	T.	T.	9.0	11.0	22.0	17.0	4.3	.....	63.3
McCall	(*)	1.5	(*)	9.9	40.2	25.2	9.0	T.	T.	.....
Mackay	.....	T.	T.	1.2	15.0	12.5	8.5	0.8	T.	38.0
Magic	(*)	(*)	(*)	(*)	2.5	21.0	(*)	(*)	(*)	.....
Malad	.....	.....	0.2	2.0	21.3	9.4	.....	0.5	.....	33.4
Meridian	.....	.....	.....	T.	5.6	5.3	5.7	T.	.....	16.6
Middle Fork	.....	(*)	.....	(*)	16.5	4.5	T.	.....	.....	.....
Montpelier	.....	.....	2.0	4.0	15.0	21.0	2.0	10.0	.....	54.0
Moscow	.....	.....	1.0	3.0	21.5	16.5	10.5	T.	T.	52.5
Mountain Home	.....	.....	.....	1.0	11.0	4.5	3.0	4.0	.....	23.5
Murtaugh	.....	.....	(*)	(*)	(*)	(*)	(*)	T.	.....	.....
Musselshell	.....	T.	1.0	22.5	55.9	31.5	15.0	T.	T.	128.9
New Meadows	.....	2.2	4.5	10.1	25.0	23.5	9.5	T.	.....	74.8
Nezperce	.....	.....	T.	4.0	22.0	7.0	7.0	T.	.....	40.0
Oakley	.....	.....	.....	T.	2.0	2.0	0.3	1.0	.....	5.3
Orofino	.....	.....	.....	3.0	21.5	9.5	2.0	.....	T.	36.0
Oxford Ranger Station	.....	11.5	8.0	67.0	72.0	58.0	42.5	3.5	3.0	265.5
Payette	.....	.....	.....	T.	1.6	1.5	1.9	T.	.....	5.0
Pine	.....	.....	4.0	6.2	22.0	38.0	9.5	11.0	.....	90.7
Pleasant Valley	.....	.....	.....	T.	6.7	1.4	5.7	T.	.....	13.8
Pocatello	.....	T.	T.	0.5	21.7	5.8	1.1	1.3	.....	30.4
Pollock	.....	.....	.....	.....	12.0	6.0	(*)	(*)	.....	.....
Porcupine	.....	2.0	9.0	13.0	45.0	25.0	(*)	(*)	(*)	.....
Porthill	.....	6.0	30.0	38.0	10.5	14.0	6.0	.....	.....	77.5
Potlach	.....	T.	1.0	9.0	16.0	21.5	7.0	2.0	T.	56.5
Prichard	.....	7.0	0.5	33.6	19.5	28.0	10.1	.....	.....	98.7
Priest River Experiment Station	.....	2.8	3.0	30.0	16.2	22.7	3.5	.....	.....	78.2
Pyle Creek	.....	T.	2.0	3.5	24.0	19.8	3.5	T.	.....	52.8
Rattlesnake	.....	.....	1.2	4.4	17.4	13.0	2.0	T.	.....	38.0
Rice	.....	.....	5.0	11.0	30.0	15.0	9.0	3.0	.....	73.0
Richfield	.....	.....	T.	T.	2.7	7.0	T.	5.2	.....	14.9
Rupert	.....	.....	1.0	.....	5.5	1.0	.....	0.1	.....	7.6
St. Maries	.....	0.2	.....	4.0	8.6	17.2	1.0	.....	.....	31.0
St. Michaels Priory	.....	2.0	2.4	18.9	30.1	17.5	16.2	0.2	5.3	92.6
Salmon	.....	T.	3.0	3.1	11.0	5.0	4.0	2.0	.....	28.1
Sandpoint	.....	1.5	1.0	38.0	10.2	15.0	4.0	.....	.....	69.7
Sheep Hill	.....	(*)	7.3	8.0	30.0	36.3	9.5	T.	T.	.....
Shoshone	.....	.....	T.	2.0	3.0	3.0	T.	2.0	.....	10.0
Soldier Creek	.....	T.	12.9	9.0	16.5	49.0	8.3	5.0	1.0	101.7
Spencer	.....	T.	(*)	(*)	20.8	21.0	6.0	3.0	T.	.....
Springfield	.....	.....	T.	T.	12.5	18.0	0.3	1.5	.....	32.3
Sublett Ranger Station	(*)	0.1	11.5	(*)	(*)	(*)	(*)	(*)	.....	.....
Sugar	.....	T.	0.8	2.2	11.5	2.2	0.8	T.	.....	17.5
Sunnyside	.....	.....	.....	T.	8.0	2.0	2.5	.....	.....	12.5
Tripod Mountain	.....	.....	2.3	2.7	15.4	15.4	3.0	T.	.....	38.8
Twin Falls	.....	.....	T.	0.2	1.9	3.3	0.5	6.0	.....	11.9
Wallace	.....	0.4	T.	27.0	18.2	22.0	7.7	0.5	T.	75.8
Weiser	.....	.....	.....	0.8	4.2	2.5	0.5	.....	.....	8.0
Wendell	.....	(*)	(*)	(*)	3.5	4.5	.....	T.	.....	.....
Whitebird	.....	T.	T.	7.0	27.5	16.0	.....	4.0	.....	54.5
Illinois.										
Albion	.....	T.	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Aledo	.....	0.4	0.6	6.1	12.6	2.7	.....	.....	.....	22.4
Alexander	.....	1.7	0.7	8.6	16.2	0.1	T.	.....	.....	27.3
Anna	.....	.....	T.	16.7	22.0	.....	.....	.....	.....	38.7
Antioch	.....	5.2	1.5	9.5	39.0	5.5	T.	T.	.....	60.7
Astoria	.....	T.	0.4	10.5	17.5	0.5	T.	T.	.....	28.9
Aurora	.....	1.5	0.2	4.2	32.0	5.0	0.5	.....	.....	43.4
Beardstown	.....	T.	(*)	4.5	(*)	T.	T.	T.	.....	.....
Bement	.....	T.	0.5	(*)	(*)	(*)	(*)	(*)	(*)	.....
Bloomington	.....	0.7	T.	8.6	26.2	0.5	T.	.....	.....	36.0
Cairo	.....	T.	T.	22.7	24.2	0.8	.....	T.	.....	47.7
Camp Point	.....	T.	T.	10.2	12.6	T.	T.	.....	.....	22.8
Carbondale	.....	T.	T.	12.8	25.3	T.	.....	.....	.....	31.8
Carlinville	.....	0.2	1.0	9.1	16.2	.....	.....	.....	.....	26.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Illinois—Continued.										
Casey	.....	0.5	T.	4.9	17.7	T.	.....	T.	.....	23.1
Charleston	.....	1.0	0.5	7.6	16.1	.....	.....	T.	.....	25.2
Chester	.....	T.	.....	13.6	18.5	.....	.....	.....	.....	32.1
Chicago	.....	1.3	1.5	9.0	42.5	8.4	1.4	T.	.....	64.1
Clinton	.....	T.	T.	11.0	18.0	0.5	T.	.....	.....	29.5
Danville	.....	0.6	0.2	8.8	15.9	0.4	.....	.....	.....	25.9
Decatur	.....	T.	T.	11.9	20.5	0.5	.....	T.	.....	32.9
Dixon	.....	1.5	1.0	7.0	26.5	10.5	(*)	T.	T.	.....
DuQuoin	.....	T.	T.	15.0	26.0	T.	.....	T.	.....	41.0
Dwight	.....	2.0	0.2	10.8	27.0	2.5	0.5	.....	.....	33.0
Edwardsville	.....	T.	0.3	8.6	17.2	T.	.....	.....	.....	26.1
Elgin	.....	3.0	1.0	4.4	39.0	12.0	0.8	T.	.....	60.2
Equality	.....	T.	T.	13.7	30.3	T.	.....	.....	.....	44.0
Ewing	.....	T.	T.	16.5	24.5	T.	.....	T.	.....	41.0
Fairfield	.....	.....	T.	14.7	19.6	.....	.....	.....	.....	34.3
Fairview	.....	T.	T.	7.4	10.4	1.2	T.	T.	.....	19.0
Flora	.....	(*)	T.	9.2	21.4	.....	.....	.....	.....	.....
Freeport	.....	7.0	0.5	(*)	(*)	9.2	0.6	T.	.....	.....
Galva	.....	2.7	T.	9.9	22.4	7.2	1.0	T.	.....	43.2
Grafton	.....	T.	0.2	9.5	18.0	0.5	.....	.....	.....	28.2
Greenville	.....	T.	0.5	9.0	15.5	.....	.....	.....	.....	25.0
Griggsville	.....	T.	0.4	(*)	(*)	(*)	(*)	T.	.....	.....
Havana	.....	T.	T.	7.8	22.9	0.5	T.	.....	.....	31.2
Henry	.....	1.0	.....	8.0	18.0	3.0	(*)	.....	.....	.....
Hillsboro	.....	T.	1.5	11.6	14.7	T.	.....	T.	.....	27.8
Hoopeston	.....	1.8	0.2	8.0	18.0	0.4	0.2	.....	.....	28.6
Joliet	.....	2.5	0.3	6.6	17.5	3.0	1.0	T.	.....	30.9
Kankakee	.....	1.0	0.6	11.5	25.7	2.3	T.	T.	.....	41.1
La Harpe	.....	2.5	1.5	10.0	(*)	2.0	T.	T.	.....	.....
Lincoln	.....	T.	T.	9.1	17.6	0.4	T.	T.	.....	27.1
Macomb	.....	0.5	T.	13.1	17.3	1.0	T.	T.	.....	31.9
McLeansboro	.....	T.	0.2	13.2	25.0	T.	.....	T.	.....	38.4
Mascoutah	.....	T.	T.	12.0	14.0	T.	.....	T.	.....	26.0
Minonk	.....	0.5	T.	8.0	18.5	1.0	T.	.....	.....	28.0
Monmouth	.....	0.8	(*)	11.7	14.5	6.7	T.	T.	.....	.....
Montrose–Effingham	.....	T.	0.3	(*)	(*)	(*)	(*)	T.	.....	.....
Morris	.....	2.8	T.	10.5	24.1	5.0	1.5	1.0	.....	44.9
Morrison	.....	2.5	0.5	8.9	26.4	7.7	0.5	.....	.....	46.5
Morrisonville	.....	0.1	0.8	11.2	16.2	T.	.....	.....	.....	28.3
Mount Carmel	.....	0.6	T.	19.0	32.0	T.	.....	T.	.....	51.6
Mount Carroll	.....	4.0	2.2	9.4	31.0	10.8	2.0	T.	.....	59.4
Mount Vernon	.....	.....	T.	13.3	12.1	.....	.....	.....	.....	25.4
Nashville	.....	T.	T.	10.0	(*)	(*)	.....	.....	.....	.....
New Burnside	.....	T.	T.	19.5	34.4	T.	.....	T.	.....	53.9
Newton	.....	T.	0.4	(*)	(*)	(*)	(*)	(*)	(*)	.....
Olney	.....	1.0	T.	11.0	24.5	.....	.....	T.	.....	36.5
Oregon	.....	1.0	1.5	4.5	34.0	8.9	0.7	T.	.....	50.6
Ottawa	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
Palestine	.....	0.5	T.	11.5	18.5	T.	T.	.....	.....	30.5
Pana	.....	0.2	0.5	8.6	16.9	T.	.....	.....	.....	26.2
Paris	.....	0.1	T.	10.8	29.0	.....	.....	T.	.....	39.9
Paw Paw	.....	2.4	0.2	4.5	21.2	7.7	0.2	T.	.....	36.2
Pearl	.....	(*)	(*)	4.3	(*)	(*)	(*)	.....	.....	.....
Peoria	.....	0.6	T.	7.4	16.9	0.4	0.2	T.	.....	25.5
Peru	.....	1.0	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Pontiac	.....	2.0	T.	13.0	29.0	2.0	1.0	T.	.....	47.0
Quincy	.....	T.	T.	7.4	11.9	T.	T.	T.	.....	19.3
Roberts	.....	0.3	0.3	5.8	9.5	0.4	0.3	T.	.....	16.6
Rockford	.....	3.0	0.7	6.0	36.1	4.3	2.0	T.	.....	52.1
Rushville	.....	T.	T.	6.3	13.0	T.	.....	T.	.....	19.3
Salem	.....	T.	0.7	11.4	20.5	.....	(*)	.....	.....	32.6
Shawneetown	.....	T.	.....	20.9	26.6	T.	.....	T.	.....	47.5
Sidell	.....	1.0	0.5	8.5	9.3	.....	.....	.....	.....	19.3
Sparta	.....	T.	T.	0.3	16.4	T.	.....	T.	.....	25.7
Springfield	.....	0.2	0.8	8.8	19.2	0.6	T.	.....	.....	29.6
Streator	.....	2.0	0.7	11.7	25.4	2.0	0.2	.....	.....	42.0
Sycamore	.....	1.5	3.0	5.6	29.4	10.7	0.4	T.	T.	50.6
Tiskilwa	.....	1.0	T.	7.5	16.0	5.0	0.5	.....	.....	30.0
Tuscola	.....	T.	T.	7.5	9.0	T.	.....	.....	.....	16.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Illinois—Continued.										
Urbana	.....	0.9	0.2	10.3	12.8	0.5	T.	T.	.....	24.7
Walnut	.....	1.5	T.	4.9	20.7	6.0	1.2	T.	.....	34.3
Warsaw	.....	(*)	(*)	(*)	10.5	0.1	T.	.....	.....	.....
Waterloo	.....	T.	.....	9.9	11.0	T.	.....	T.	.....	20.9
White Hall	.....	T.	0.5	5.8	8.4	T.	T.	T.	.....	14.7
Windsor	.....	0.1	0.2	10.4	17.1	T.	.....	.....	.....	27.8
Indiana.										
Albion	.....	6.0	T.	7.7	18.5	4.0	0.5	T.	.....	36.7
Anderson	.....	2.0	T.	6.0	21.5	0.5	T.	T.	.....	30.0
Berne	.....	7.4	T.	10.8	20.6	0.1	0.2	0.4	.....	39.5
Bloomington	.....	1.2	2.2	11.9	30.7	T.	.....	1.4	.....	47.4
Bluffton	.....	0.5	T.	11.8	25.2	0.8	0.2	.....	.....	38.5
Butlerville	.....	2.1	T.	17.1	29.5	.....	.....	2.4	.....	51.1
Cambridge City	.....	(*)	T.	(*)	44.0	T.	.....	T.	.....	.....
Collegeville	.....	1.7	(*)	10.4	30.5	T.	.....	.....	.....	.....
Columbus	.....	T.	T.	7.8	19.3	T.	.....	.....	.....	27.1
Connersville	.....	T.	T.	8.1	18.5	T.	T.	1.0	.....	27.6
Crawfordsville	.....	0.2	(*)	(*)	11.0	T.	.....	T.	.....	.....
Crown Point	.....	4.0	T.	22.0	38.5	11.5	3.0	(*)	(*)	.....
Dam No. 39	.....	(*)	(*)	19.6	24.5	.....	.....	0.5	.....	.....
Decker	.....	(*)	(*)	20.2	35.0	T.	.....	T.	.....	.....
Delphi	.....	0.5	.....	6.7	26.0	.....	.....	.....	.....	33.2
Elliston	.....	0.2	.....	12.6	25.7	T.	.....	T.	.....	38.5
Evansville	.....	0.2	0.3	25.1	41.0	T.	.....	1.1	.....	67.7
Farmersburg	.....	1.0	T.	8.0	16.0	.....	.....	T.	.....	25.0
Farmland	.....	(*)	(*)	12.0	(*)	.....	.....	T.	.....	.....
Fort Wayne	.....	5.6	0.3	7.1	25.4	1.7	0.4	T.	.....	40.5
Frankfort	.....	2.5	T.	9.5	23.0	T.	T.	T.	.....	35.0
Goshen	.....	4.3	T.	5.5	9.8	1.2	0.5	.....	.....	21.3
Greencastle	.....	T.	(*)	12.5	19.5	.....	.....	.....	.....	.....
Greenfield	.....	2.5	(*)	9.0	20.5	.....	.....	.....	.....	.....
Greensburg	.....	1.2	.....	(*)	(*)	.....	.....	T.	.....	.....
Hammond	.....	0.5	0.5	26.0	39.0	5.0	(*)	(*)	.....	.....
Hickory Hill	.....	0.5	T.	13.0	19.0	.....	.....	1.3	.....	33.8
Howe	.....	1.0	2.0	12.5	35.0	5.0	2.0	.....	.....	57.5
Huntingburg	.....	(*)	T.	22.5	(*)	.....	.....	.....	.....	.....
Huntington	.....	3.5	0.2	11.8	21.0	1.0	1.5	T.	.....	39.0
Indianapolis	.....	0.4	0.2	10.2	22.0	T.	T.	T.	.....	32.8
Jeffersonville	.....	T.	T.	26.0	26.1	T.	.....	0.4	.....	52.5
Knox	.....	(*)	0.5	6.5	20.0	2.0	(*)	.....	(*)	.....
Kokomo	.....	0.5	T.	9.5	39.0	1.0	.....	T.	T.	50.0
Lafayette	.....	1.0	T.	9.2	13.9	T.	T.	.....	.....	24.1
Laporte	.....	7.5	T.	17.5	29.5	7.6	0.5	.....	.....	62.6
Logansport	.....	(*)	T.	5.0	14.0	0.5	T.	.....	.....	.....
Madison	.....	T.	T.	21.7	32.2	T.	T.	T.	.....	53.9
Marengo	.....	T.	T.	(*)	(*)	.....	.....	T.	.....	.....
Marion	.....	2.0	T.	9.7	25.0	T.	T.	0.7	.....	37.4
Mauzy	.....	3.1	T.	13.6	19.3	0.1	T.	1.5	.....	37.6
Monticello	.....	T.	(*)	10.5	18.0	1.1	0.4	.....	.....	.....
Moores Hill	.....	1.2	0.1	14.4	23.4	0.6	0.3	3.0	.....	43.0
Mount Vernon	.....	(*)	T.	17.0	46.0	T.	.....	T.	.....	.....
Muncie	.....	T.	T.	7.8	(*)	(*)	(*)	(*)	(*)	.....
Noblesville	.....	(*)	(*)	5.5	(*)	.....	.....	T.	.....	.....
Notre Dame	.....	5.5	0.8	11.2	25.6	6.6	1.7	T.	.....	51.4
Paoli	.....	1.5	T.	19.0	30.0	T.	T.	2.0	.....	52.5
Plymouth	.....	1.3	T.	12.5	18.4	3.3	0.5	.....	.....	36.0
Princeton	.....	(*)	.....	26.0	31.7	.....	(*)	1.0	(*)	.....
Richmond	.....	2.4	0.6	6.8	18.4	0.1	T.	0.8	.....	29.1
Rockville	.....	1.5	T.	12.2	21.4	T.	T.	T.	.....	35.1
Rome	.....	T.	T.	24.5	33.7	.....	.....	T.	.....	58.2
Salamonia	.....	4.0	.....	10.5	19.7	1.1	.....	.....	.....	35.3
Salem	.....	1.0	T.	15.0	27.0	T.	T.	1.0	.....	44.0
Scottsburg	.....	T.	T.	13.0	23.5	.....	.....	1.5	.....	38.0
Seymour	.....	T.	T.	15.2	23.0	T.	.....	0.5	.....	38.7
Shelbyville	.....	3.0	T.	11.2	25.6	0.2	.....	3.0	.....	43.0
Shoals	.....	T.	.....	15.0	24.0	.....	.....	.....	.....	39.0
South Bend	.....	3.6	1.0	16.5	23.7	0.6	T.	T.	.....	45.4
Tab	.....	2.6	T.	12.1	(*)	(*)	(*)	(*)	(*)	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Indiana—Continued.										
Terre Haute	.....	0.6	T.	11.0	20.1	T.	T.	0.2	.....	31.9
Valparaiso	.....	2.9	T.	19.1	27.5	5.2	2.6	T.	.....	57.3
Veedersburg	.....	0.5	T.	13.0	20.5	T.	.....	.....	.....	34.0
Vevay	.....	T.	T.	37.0	38.5	.....	.....	1.0	.....	76.5
Vincennes	.....	(*)	T.	(*)	(*)	.....	T.	.....	.....	.....
Washington	.....	(*)	T.	8.7	21.0	.....	T.	.....	.....	.....
Wheatfield	.....	0.8	T.	11.1	13.5	1.5	1.5	T.	.....	26.9
Whitestown	.....	2.0	T.	13.2	17.8	T.	T.	T.	.....	33.0
Whiting	.....	0.5	0.5	20.6	46.8	7.1	1.5	T.	.....	77.0
Winona Lake	.....	5.6	0.3	9.9	24.3	2.2	2.2	T.	.....	44.5
Worthington	.....	T.	T.	11.5	26.0	T.	.....	T.	.....	37.5
Iowa.										
Afton	.....	0.5	.....	1.9	6.2	8.2	0.2	1.6	.....	18.6
Albia	.....	0.5	T.	8.3	13.3	5.0	.....	7.0	.....	34.1
Algona	.....	2.0	(*)	2.5	9.5	2.5	6.5	.....	.....	.....
Allerton	(*)	(*)	(*)	(*)	11.0	4.8	T.	9.0	.....	.....
Allison	.....	3.0	4.0	9.0	12.8	3.0	2.5	3.0	.....	37.3
Alta	.....	3.0	3.0	7.7	11.5	6.3	4.0	T.	.....	35.5
Alta (near)	.....	.....	3.5	5.0	12.4	6.0	3.0	.....	.....	29.9
Alton	.....	1.0	2.5	7.0	11.0	6.5	8.0	T.	.....	36.0
Ames	.....	2.8	2.0	13.1	7.5	11.0	5.5	10.0	.....	51.9
Atlantic	.....	1.5	0.7	7.2	7.3	10.6	1.2	3.5	.....	32.0
Audubon	.....	1.9	(*)	8.0	9.0	13.7	1.4	0.5	.....	.....
Baxter	.....	1.8	3.2	6.4	10.9	9.5	1.2	4.0	.....	37.0
Bedford	.....	1.5	T.	4.4	7.5	6.8	0.8	24.0	.....	45.0
Belle Plaine	.....	1.5	1.9	10.5	13.6	12.1	0.5	7.8	.....	47.9
Belmond	.....	10.5	3.4	9.8	12.8	4.7	4.0	1.1	.....	46.3
Bloomfield	.....	1.0	T.	12.8	17.0	5.2	0.4	5.0	.....	41.4
Bonaparte	.....	T.	T.	16.0	12.5	3.4	T.	T.	.....	31.9
Boone	.....	T.	0.2	10.0	6.5	7.2	1.2	1.5	.....	26.6
Britt	.....	2.5	2.7	2.1	9.2	1.5	1.2	T.	.....	19.2
Burlington	.....	1.0	T.	9.1	16.3	4.0	T.	.....	.....	30.4
Carroll	.....	0.5	3.5	8.0	5.2	4.3	2.0	.....	.....	23.5
Cedar Rapids	.....	1.3	1.0	4.7	7.3	9.7	0.4	2.0	.....	26.4
Centerville	.....	0.1	T.	2.7	12.6	8.2	0.2	4.5	.....	28.3
Chariton	.....	T.	T.	5.0	8.0	5.0	T.	4.0	.....	22.0
Charles City	.....	8.9	3.6	7.9	14.2	2.2	6.5	3.9	.....	47.2
Clarinda	.....	2.3	.....	2.2	4.8	6.9	0.1	16.5	.....	32.8
Clinton	.....	3.5	1.1	9.4	24.1	11.8	1.5	1.8	.....	53.2
Columbus Junction	.....	2.1	0.5	5.6	11.8	6.5	T.	0.2	.....	26.7
Corning	.....	0.2	T.	7.0	4.8	7.0	0.5	16.0	.....	35.5
Corydon	.....	0.6	T.	6.2	15.3	6.1	1.0	11.0	.....	40.2
Creston	.....	1.0	T.	2.5	3.0	7.5	T.	9.0	.....	23.0
Cumberland	.....	1.0	.....	3.0	6.0	12.0	1.0	6.0	.....	29.0
Davenport	.....	2.2	0.5	9.0	16.8	6.1	T.	0.1	.....	34.7
Decorah	.....	12.5	1.2	4.1	10.9	2.4	11.5	2.0	.....	44.6
Delaware	.....	2.5	1.2	4.7	10.2	3.5	2.5	3.5	.....	28.1
Denison	(*)	(*)	(*)	(*)	(*)	5.0	0.5	T.	.....	.....
Des Moines	.....	1.3	0.4	11.1	8.3	8.8	1.0	3.8	0.1	34.8
Dubuque	.....	3.2	0.5	8.0	17.5	5.3	1.4	3.4	.....	39.3
Earlham	.....	2.0	1.0	13.0	13.0	10.0	1.0	T.	T.	40.0
Elkader	.....	4.0	2.0	5.0	(*)	6.0	6.0	6.0	.....	.....
Estherville	.....	3.5	4.0	5.5	9.0	5.0	6.5	T.	.....	33.5
Fairfield	.....	0.8	0.2	(*)	20.7	5.5	0.2	2.0	.....	.....
Fayette	.....	5.5	2.5	7.3	17.1	2.0	5.5	7.0	.....	46.9
Forest City	.....	3.0	1.0	2.7	11.5	3.5	4.5	.....	.....	26.2
Fort Dodge	.....	5.0	2.0	8.5	11.7	3.0	7.0	T.	.....	37.2
Fort Madison	.....	1.5	.....	9.4	(*)	2.5	.....	.....	.....	.....
Gilman	.....	0.5	2.0	7.0	16.5	7.0	(*)	4.0	.....	.....
Glenwood	T.	T.	4.0	(*)	7.0	14.5	1.0	7.2	.....	.....
Greenfield	.....	2.0	.....	8.0	9.0	11.5	0.3	4.8	.....	35.6
Grinnell	.....	0.4	1.0	8.0	10.3	8.0	T.	14.5	.....	42.2
Grundy Center	.....	1.5	3.0	(*)	(*)	7.5	.....	3.0	.....	.....
Guthrie Center	.....	(*)	1.0	(*)	5.3	7.2	T.	2.0	.....	.....
Harlan	.....	.....	2.0	5.0	11.0	11.0	(*)	.....	.....	.....
Humboldt	.....	4.4	2.0	8.2	(*)	(*)	(*)	.....	.....	.....
Independence	.....	1.7	3.0	5.5	9.5	5.0	3.0	4.2	.....	31.9

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Iowa—Continued.										
Indianola	.....	T.	T.	9.6	6.5	10.6	T.	3.6	T.	30.3
Inwood	.....	1.1	3.0	5.1	12.6	3.1	2.3	2.7	.....	29.9
Iowa City	.....	1.5	1.5	8.0	13.0	8.0	T.	3.0	.....	35.0
Iowa Falls	.....	4.0	3.7	11.7	11.7	6.5	6.0	4.3	.....	47.9
Jefferson	.....	1.5	2.5	8.8	8.5	5.0	3.5	T.	.....	29.8
Keokuk	.....	T.	0.5	6.0	8.0	0.5	T.	T.	.....	15.0
Keosauqua	.....	0.8	T.	8.0	16.7	4.0	T.	4.2	.....	33.7
Knoxville	.....	1.0	0.2	6.9	8.5	5.0	T.	7.0	T.	28.6
Lacona	.....	1.5	.....	17.0	14.5	13.0	.....	12.0	.....	58.0
Lake Park	.....	3.0	2.0	4.5	5.5	6.0	5.5	T.	.....	26.5
Lamoni	.....	0.5	.....	3.4	10.8	4.8	0.9	20.0	.....	40.4
Le Claire	.....	1.1	0.4	6.7	27.8	6.2	1.0	0.1	.....	43.3
Le Mars	.....	1.5	2.5	5.3	6.9	8.2	5.0	.....	.....	29.4
Lenox	.....	1.1	.....	1.8	3.2	5.5	0.3	25.2	.....	37.1
Little Sioux	.....	1.0	1.5	4.8	12.5	9.5	2.5	3.0	.....	34.8
Logan	.....	T.	T.	5.5	11.0	10.0	3.0	.....	.....	29.5
Maquoketa	.....	1.5	T.	(*)	25.7	8.2	0.4	2.0	.....	.....
Marshalltown	.....	1.1	1.4	7.0	7.8	9.5	0.1	0.8	.....	27.7
Mason City	.....	4.5	1.6	3.3	9.2	5.0	9.2	T.	(*)	.....
Matlock	.....	(*)	1.6	(*)	3.8	(*)	(*)	(*)	(*)	.....
Monroe	.....	1.1	T.	10.5	4.1	7.2	1.0	4.6	.....	28.5
Mount Ayr	.....	1.0	T.	3.1	7.6	5.4	0.6	20.3	.....	38.0
Mount Pleasant	.....	0.5	T.	8.7	15.7	3.5	T.	(*)	.....	28.4
Murray	.....	T.	T.	3.3	5.4	4.5	T.	12.0	.....	25.2
Muscatine	.....	1.5	2.0	10.5	16.2	7.5	T.	T.	.....	37.7
New Hampton	.....	7.0	2.0	4.6	9.0	2.0	3.5	1.0	.....	29.1
Nora Springs	.....	5.8	2.2	2.8	11.5	0.9	1.6	T.	.....	24.8
Northboro	.....	1.5	.....	2.5	4.0	6.0	0.5	13.0	.....	27.5
Northwood	.....	9.0	2.0	(*)	12.5	4.0	15.5	T.	.....	.....
Olin	.....	3.0	2.0	7.0	(*)	9.0	T.	5.5	.....	.....
Onawa	.....	0.5	2.3	8.1	16.7	9.2	(*)	(*)	(*)	.....
Oskaloosa	.....	1.0	0.5	8.5	(*)	4.2	.....	3.5	.....	.....
Ottumwa	.....	T.	T.	7.9	15.0	6.3	T.	5.0	.....	34.2
Pella	.....	0.7	0.5	8.8	11.4	5.9	0.7	8.5	T.	36.5
Perry	.....	T.	1.5	3.8	3.1	5.7	1.5	1.5	.....	17.1
Pocahontas	.....	3.5	1.5	6.2	12.7	5.3	4.3	T.	.....	33.5
Postville	.....	6.0	1.2	7.0	12.5	4.2	5.5	6.0	.....	42.4
Rock Rapids	.....	T.	4.0	6.5	5.7	2.5	3.0	1.5	T.	23.2
Rockwell City	.....	4.0	2.8	6.5	13.3	5.0	2.0	.....	.....	33.6
Sac City	.....	3.0	2.0	2.0	18.0	(*)	(*)	T.	.....	.....
St. Charles	.....	T.	(*)	4.8	5.9	5.5	0.6	5.0	.....	.....
Sanborn	.....	3.0	5.0	5.0	8.7	5.0	3.0	0.5	.....	30.2
Sibley	.....	1.5	3.0	5.6	13.8	3.5	7.0	1.9	.....	36.3
Sigourney	.....	1.0	0.5	8.0	14.5	4.2	T.	5.2	.....	33.4
Sioux Center	.....	3.0	3.5	9.5	11.5	5.5	5.0	0.2	.....	38.2
Sioux City	.....	1.5	2.4	7.2	14.6	7.2	4.3	T.	.....	37.2
Stockport	.....	0.5	T.	7.5	15.5	3.0	0.1	T.	1.0	27.6
Storm Lake	.....	3.0	3.0	6.8	3.9	4.5	3.5	T.	.....	24.7
Thurman	.....	.....	T.	6.5	6.0	11.5	0.5	5.5	.....	30.0
Tipton	.....	2.3	1.0	4.5	15.0	9.0	.....	3.0	.....	34.8
Toledo	.....	1.5	2.0	10.5	10.0	8.0	1.0	5.0	.....	38.0
Washington	.....	1.7	0.5	8.0	12.0	9.5	.....	3.0	.....	34.7
Wash ta	.....	2.0	3.0	7.5	13.5	5.5	5.0	.....	.....	36.5
Waterloo	.....	1.3	2.2	5.0	7.4	3.2	3.6	5.5	.....	28.2
Waukee	.....	0.5	0.2	5.9	6.9	8.8	1.2	2.2	0.5	26.2
Waverly	.....	2.6	3.0	10.2	15.8	2.9	2.5	1.0	.....	38.0
Webster City	.....	1.0	2.0	13.0	8.5	4.0	2.0	.....	.....	30.5
West Bend	.....	1.5	2.5	6.0	15.0	2.0	0.5	T.	.....	27.5
Whitten	.....	1.0	2.0	9.0	(*)	(*)	T.	2.0	.....	.....
Williamsburg	.....	0.8	1.2	5.6	8.4	6.0	(*)	2.5	.....	.....
Winterset	.....	T.	T.	7.0	9.5	7.5	T.	5.0	T.	29.0
Kansas.										
Burlington	.....	T.	.....	4.8	9.0	.....	.....	T.	.....	13.8
Colby	.....	T.	0.5	2.0	9.0	15.5	T.	T.	.....	27.0
Columbus	.....	T.	.....	17.9	13.1	T.	.....	T.	.....	31.0
Concordia	.....	0.5	.....	0.6	8.7	3.8	T.	1.2	.....	14.8
Dalton	.....	0.5	.....	4.0	9.5	.....	.....	T.	.....	14.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Kansas—Continued.										
Dodge City	.....	0.6	.....	2.5	9.3	0.2	T.	.....	.....	12.6
Ellinwood	.....	0.6	.....	5.1	8.4	0.5	T.	T.	.....	14.6
Emporia	.....	0.2	T.	3.6	7.5	T.	.....	2.5	.....	13.8
Fort Scott	.....	0.3	T.	6.0	7.3	.....	.....	0.5	.....	14.1
Garden City	.....	0.5	.....	2.0	8.0	3.5	T.	.....	.....	14.0
Grenola	.....	T.	.....	4.0	7.5	.....	.....	T.	.....	11.5
Horton	.....	0.2	.....	0.5	6.0	T.	T.	4.0	.....	10.7
Hutchinson	.....	.....	T.	.....	8.0	(*)	T.	T.	.....	.....
Independence	.....	T.	.....	10.5	9.8	T.	.....	1.0	.....	21.3
Iola	.....	T.	.....	2.6	7.8	T.	.....	1.0	.....	11.4
Lakin	.....	0.5	.....	0.5	0.5	2.0	.....	.....	.....	3.5
Liberal	.....	T.	.....	0.5	6.5	T.	.....	.....	.....	7.0
McPherson	.....	2.0	.....	2.0	11.2	T.	.....	2.0	.....	17.2
Manhattan	.....	1.0	.....	(*)	4.5	T.	.....	5.0	.....	.....
Marion	.....	0.5	.....	4.0	10.5	T.	.....	2.0	.....	17.0
Medicine Lodge	.....	0.2	.....	2.0	7.0	.....	.....	.....	.....	9.2
Minneapolis	.....	1.5	.....	T.	6.0	0.8	T.	1.5	.....	9.8
Oketo	.....	0.5	0.2	0.2	3.8	4.5	T.	5.2	.....	14.4
Phillipsburg	.....	0.5	.....	0.3	8.1	7.5	0.3	2.0	.....	18.7
Richfield	.....	1.5	T.	1.5	2.5	1.5	1.5	T.	.....	8.5
St. Francis	.....	1.0	T.	5.2	6.5	6.5	T.	3.0	.....	22.2
Sedan	.....	T.	.....	6.2	17.3	T.	.....	T.	.....	23.5
Topeka	.....	0.7	T.	2.7	9.4	T.	.....	0.4	.....	13.2
Tribune	.....	0.2	T.	0.5	2.1	6.0	.....	(*)	.....	8.8
Wakeeney	.....	1.0	.....	2.5	8.0	20.0	T.	T.	.....	31.5
Wichita	.....	0.1	.....	2.1	8.7	T.	.....	0.1	.....	11.0
Kentucky.										
Alpha	.....	T.	T.	11.0	37.8	T.	.....	0.2	.....	49.0
Anchorage	.....	0.6	T.	21.0	24.3	T.	.....	1.1	.....	47.0
Bardstown	.....	0.5	T.	16.5	14.7	T.	.....	T.	.....	31.7
Beattyville	.....	0.3	0.5	13.5	16.5	1.0	.....	0.2	.....	32.0
Beaver Dam	.....	(*)	T.	21.2	(*)	(*)	.....	T.	.....	.....
Berea	.....	0.1	T.	14.7	21.3	0.8	.....	0.2	.....	37.1
Blandville	.....	T.	T.	22.9	37.9	1.5	.....	T.	.....	62.3
Bowling Green	.....	T.	T.	12.0	19.0	1.0	.....	T.	.....	32.0
Brownsville	.....	T.	0.2	14.5	22.5	1.4	.....	0.2	.....	38.8
Burnside	.....	T.	T.	10.5	21.0	(*)	.....	T.	.....	.....
Calhoun	.....	T.	T.	22.2	33.6	T.	.....	T.	.....	55.8
Catlettsburg	.....	1.0	(*)	(*)	(*)	1.0	.....	T.	.....	.....
Cloverport	.....	T.	0.3	20.9	26.4	T.	.....	0.8	.....	48.4
Cynthiana	.....	(*)	(*)	(*)	17.4	(*)	T.	T.	.....	.....
Earlington	.....	T.	T.	27.2	27.0	0.5	.....	T.	.....	54.7
Edmonton	.....	T.	T.	12.8	30.8	T.	.....	T.	.....	43.6
Eubank	.....	T.	T.	11.8	20.2	T.	.....	T.	.....	32.0
Falmouth	.....	T.	T.	15.0	19.3	T.	T.	1.0	.....	35.3
Farmers	.....	T.	0.9	12.0	15.4	T.	.....	1.0	.....	29.3
Frankfort	.....	T.	T.	17.0	12.9	T.	.....	T.	.....	29.9
Greensburg	.....	T.	T.	14.0	18.0	T.	.....	T.	.....	32.0
Greenville	.....	T.	0.2	21.5	32.3	5.0	.....	T.	.....	59.0
Henderson	.....	(*)	(*)	(*)	24.5	T.	.....	T.	.....	.....
High Bridge	.....	T.	T.	18.0	25.5	T.	.....	T.	.....	43.5
Hopkinsville	.....	T.	T.	18.5	27.0	3.0	.....	T.	.....	48.5
Irvington	.....	T.	T.	17.5	25.5	T.	.....	T.	.....	43.0
Jackson	.....	T.	T.	14.0	(*)	0.5	.....	T.	.....	.....
Junction City	.....	1.0	0.5	14.0	18.2	0.5	.....	0.5	.....	34.7
Leitchfield	.....	T.	T.	17.0	27.5	0.5	.....	T.	.....	45.0
Lexington	.....	0.2	0.4	19.4	21.7	0.1	.....	0.3	.....	42.1
London	.....	T.	T.	17.0	14.2	T.	.....	T.	.....	31.2
Loretto	.....	0.2	T.	22.0	14.5	T.	.....	0.5	.....	37.2
Louisa	.....	T.	T.	12.7	(*)	T.	.....	T.	.....	.....
Louisville (No. 1)	.....	T.	T.	24.6	24.5	T.	.....	1.0	.....	50.1
Louisville (No. 2)	.....	T.	T.	28.3	25.6	T.	.....	1.0	.....	54.9
Manchester	.....	T.	1.5	20.5	19.2	1.0	.....	T.	.....	42.2
Marion	.....	T.	(*)	(*)	(*)	T.	.....	T.	.....	.....
Mayfield	.....	(*)	T.	(*)	(*)	2.0	.....	T.	.....	.....
Maysville	.....	T.	0.3	16.0	25.5	T.	T.	1.8	.....	43.6
Middlesboro	.....	.....	0.2	11.0	17.0	2.0	.....	T.	.....	30.2

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Kentucky—Continued.										
Mount Sterling	.....	T.	0.2	18.1	(*)	T.	.....	1.0	.....	.....
Owensboro	.....	T.	T.	20.5	24.5	T.	.....	T.	.....	45.0
Paducah	.....	T.	T.	27.1	42.0	1.0	.....	T.	.....	70.1
Pikeville	.....	T.	T.	10.5	20.2	T.	.....	1.0	.....	31.7
Richmond	.....	T.	T.	19.7	25.9	1.0	.....	T.	.....	46.6
Russellville	.....	(*)	T.	12.5	(*)	1.6	.....	T.	.....	.....
St. John	.....	T.	T.	28.0	21.3	2.0	.....	0.2	.....	51.5
Scott	.....	0.2	0.1	16.7	23.1	T.	T.	2.0	.....	42.1
Shelbyville	.....	1.0	T.	20.3	27.3	T.	.....	T.	.....	48.6
Taylorsville	.....	0.8	0.1	18.2	21.5	T.	.....	0.4	.....	41.0
Weeksbury	.....	T.	T.	20.0	13.0	T.	.....	T.	.....	33.0
Williamsburg	.....	T.	T.	9.0	24.7	1.0	.....	T.	.....	34.7
Williamstown	.....	T.	0.3	11.8	30.0	0.1	.....	0.9	.....	43.1
Woodbury	.....	T.	T.	14.0	19.0	2.0	.....	T.	.....	35.0
Louisiana.										
Alexandria	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Amite	.....	.....	.....	.....	2.0	.....	.....	.....	.....	2.0
Baton Rouge	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Cades	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Calhoun	.....	.....	.....	.....	4.6	.....	.....	.....	.....	4.6
Cheneyville	.....	.....	.....	.....	0.3	.....	.....	.....	.....	0.3
Cinclare	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Clinton	.....	.....	.....	.....	4.0	.....	.....	.....	.....	4.0
Covington	.....	.....	.....	.....	0.1	.....	.....	.....	.....	0.1
De Ridder	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Dodson	.....	.....	.....	.....	2.5	.....	.....	.....	.....	2.5
Franklin	.....	.....	.....	.....	0.3	.....	.....	.....	.....	0.3
Franklinton	.....	.....	.....	.....	2.0	.....	.....	.....	.....	2.0
Grand Cane	.....	.....	.....	.....	3.0	.....	.....	.....	.....	3.0
Grand Coteau	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Hammond	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Jeanerette	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Jennings	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Kelly (near)	.....	.....	.....	.....	1.5	.....	.....	.....	.....	1.5
Lafayette	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Lake Charles	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Lakeside	.....	.....	.....	.....	0.5	.....	.....	.....	.....	0.5
La Rose (near)	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Liberty Hill	.....	.....	.....	.....	8.5	.....	.....	.....	.....	8.5
Logansport	.....	.....	.....	.....	6.0	.....	.....	.....	.....	6.0
Melville	.....	.....	.....	.....	1.3	.....	.....	.....	.....	1.3
Merryville	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Minden	.....	.....	.....	.....	8.3	.....	.....	.....	.....	8.3
Morgan City	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
New Iberia	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
New Orleans	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Opelousas	.....	.....	.....	.....	1.5	.....	.....	.....	.....	1.5
Pearl River	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Plain Dealing	.....	.....	.....	.....	5.5	.....	.....	.....	.....	5.5
Pontchartrain Grove	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Richland Plantation	.....	.....	.....	.....	1.5	.....	.....	.....	.....	1.5
Robeline	.....	.....	.....	.....	3.5	.....	.....	.....	.....	3.5
St. Francisville	.....	.....	.....	.....	0.8	.....	.....	.....	.....	0.8
St. Gabriel	.....	.....	.....	.....	3.3	.....	.....	.....	.....	3.3
Schriever	.....	.....	.....	.....	0.7	.....	.....	.....	.....	0.7
Shreveport	.....	.....	.....	.....	3.0	.....	.....	.....	.....	3.0
Simmesport	.....	.....	.....	.....	3.0	.....	.....	.....	.....	3.0
Sugartown	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Maine.										
Bar Harbor	.....	.....	4.2	7.0	21.0	18.0	18.5	1.0	.....	69.7
Cornish	.....	T.	9.5	20.5	25.5	14.0	11.5	6.5	.....	87.5
Eastport	.....	.....	1.0	17.3	22.0	24.6	23.9	2.7	.....	91.5
Farmington	.....	T.	7.0	26.0	25.0	8.5	18.0	2.0	.....	86.5
Gardiner	.....	.....	11.5	22.0	28.0	17.0	16.0	5.0	.....	99.5
Greenville	.....	1.0	9.1	36.2	25.0	16.4	22.0	2.2	.....	111.9
Houlton	.....	8.0	8.0	28.0	24.0	15.0	17.0	(*)	.....	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Maine—Continued.										
Langtown	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Lewiston	.....	.....	10.3	25.5	25.8	13.4	13.0	3.1	.....	91.1
Madison	.....	.....	3.0	27.5	25.2	11.5	19.2	1.8	.....	88.2
Millinocket	.....	0.8	6.2	34.8	26.0	20.2	21.2	T.	.....	109.2
North Bridgton	.....	.....	4.0	29.0	29.0	19.0	13.0	4.5	.....	98.5
Orono	.....	3.0	2.8	28.0	35.5	19.0	16.5	1.5	.....	106.3
Patten	.....	4.0	8.0	35.0	21.0	10.0	3.0	.....	.....	81.0
Portland	.....	.....	2.9	13.7	16.7	16.0	13.4	4.2	.....	66.9
Presque Isle	.....	10.0	12.5	17.0	33.0	18.0	18.0	T.	.....	108.5
Rumford	.....	T.	8.8	32.8	28.0	9.6	24.4	2.5	.....	106.1
Van Buren	.....	2.5	13.5	6.8	23.8	17.8	18.8	T.	0.5	83.7
Winslow	.....	.....	7.2	16.2	25.5	7.0	6.2	2.0	.....	64.1
Maryland.										
Annapolis	.....	.....	2.0	(*)	17.7	2.0	.....	(*)	.....	.....
Bachmans Valley	.....	0.2	1.0	12.5	25.5	1.0	.....	2.5	.....	42.7
Baltimore	.....	T.	2.0	8.3	21.9	2.4	T.	.....	.....	34.6
Cambridge	.....	.....	1.0	12.0	18.0	2.0	.....	.....	.....	33.0
Cheltenham	.....	.....	2.0	6.7	19.2	1.0	.....	2.0	.....	30.9
Chewsville	.....	T.	1.0	12.5	26.1	0.5	T.	19.0	.....	59.1
Clear Spring	.....	1.5	1.0	16.4	43.7	1.5	T.	16.0	.....	80.1
Coleman	.....	.....	2.0	(*)	20.0	1.0	T.	.....	.....	.....
College Park	.....	.....	2.5	6.3	20.5	2.3	.....	2.0	.....	33.6
Cumberland	.....	1.0	2.0	10.0	37.0	2.0	T.	12.0	.....	64.0
Darlington	.....	.....	1.5	7.0	18.5	1.0	.....	0.5	.....	28.5
Deer Park	.....	11.0	3.5	15.5	31.6	6.0	3.0	20.0	T.	90.6
Denton	.....	.....	3.0	1.5	21.0	0.5	.....	.....	.....	26.0
Easton	.....	.....	2.0	1.5	16.8	1.0	.....	.....	.....	21.3
Eklo	.....	T.	1.5	9.4	22.2	1.8	.....	2.1	.....	37.0
Emmitsburg	.....	T.	1.0	17.0	37.0	2.5	T.	4.0	.....	61.5
Fairview	.....	T.	1.0	13.3	34.9	1.5	.....	14.0	.....	64.7
Fallston	.....	T.	3.0	7.5	24.5	3.0	.....	T.	.....	38.0
Ferry Landing	.....	T.	1.5	3.7	17.0	0.8	.....	1.0	.....	24.0
Frederick	.....	T.	2.0	16.8	35.0	2.3	T.	3.5	.....	59.6
Frostburg	.....	9.0	3.0	13.5	34.5	6.0	T.	24.0	.....	90.0
Grantsville	.....	9.5	4.5	11.5	35.5	7.0	T.	29.0	.....	97.0
Great Falls	.....	T.	1.5	10.5	23.5	1.2	.....	1.2	.....	38.7
Keedysville	.....	T.	2.0	15.0	30.5	1.0	.....	6.5	.....	55.0
Laurel	.....	.....	2.0	7.5	21.5	3.0	.....	2.0	.....	36.0
Leonardtown	.....	.....	0.5	(*)	(*)	(*)	(*)	(*)	(*)	.....
Monrovia	.....	T.	1.6	9.6	(*)	(*)	(*)	(*)	(*)	.....
Oakland	.....	11.1	3.3	8.6	12.7	9.0	1.3	18.0	0.4	64.4
Princess Anne	.....	.....	1.0	5.0	11.0	3.5	.....	.....	.....	20.5
Public Landing	.....	.....	T.	6.5	13.6	3.0	.....	.....	.....	23.1
Salisbury	.....	.....	0.4	7.9	18.1	3.0	.....	.....	.....	29.4
Solomons	.....	T.	0.2	9.0	16.1	1.1	T.	0.5	.....	26.9
State Sanatorium	.....	T.	0.5	11.0	20.0	1.0	.....	8.0	.....	40.5
Sudlersville	.....	.....	2.0	6.0	25.0	2.0	.....	.....	.....	35.0
Takoma	.....	.....	3.0	11.5	25.5	3.0	.....	2.0	.....	45.0
Towson	.....	T.	1.3	9.0	23.2	2.1	T.	1.0	.....	36.6
Union Bridge	.....	T.	1.0	10.0	20.0	1.0	T.	1.0	.....	33.0
Westernport	.....	3.0	2.0	5.7	31.0	4.5	.....	22.0	.....	68.2
Woodstock	.....	T.	1.0	7.6	22.1	2.0	T.	2.0	.....	34.7
Yarrow (Rockville)	.....	T.	2.5	8.0	21.5	1.0	.....	1.5	.....	34.5
Massachusetts.										
Amherst	.....	.....	0.8	14.2	18.5	11.0	9.5	4.5	.....	58.5
Blue Hill	.....	.....	3.0	13.0	17.6	7.7	17.0	9.0	.....	67.3
Boston	.....	T.	2.2	7.0	13.8	5.7	12.8	4.2	.....	45.7
Chestnut Hill	.....	.....	2.8	6.0	12.8	7.0	10.8	5.0	.....	44.4
Clinton	.....	.....	3.5	14.0	12.8	8.8	14.0	8.0	.....	61.1
Concord	.....	.....	2.0	11.4	12.9	8.8	12.4	9.5	.....	57.0
Fall River	.....	.....	3.0	7.0	14.8	9.8	8.0	0.2	.....	42.8
Fitchburg	.....	.....	2.0	22.5	17.0	10.5	14.0	8.0	.....	74.0
Framingham	.....	.....	2.0	9.0	13.5	6.8	10.5	6.0	.....	47.8
Lawrence	.....	.....	2.6	12.0	13.4	15.2	14.5	11.0	.....	68.7
Lowell	.....	.....	2.0	(*)	(*)	(*)	(*)	T.	.....	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Massachusetts—Continued.										
Nantucket	.....	.....	1.0	6.8	15.0	3.1	7.5	T.	.....	33.4
New Bedford	.....	.....	(*)	(*)	5.0	4.7	(*)	(*)	.....	.....
Plymouth	.....	.....	.....	4.8	19.0	6.0	7.0	4.0	.....	40.8
Provincetown	.....	.....	1.0	6.5	14.5	10.0	9.5	1.0	.....	42.5
Rockport	.....	.....	2.2	4.8	14.0	9.5	12.5	6.0	.....	49.0
Rutland	.....	T.	7.4	15.4	15.6	15.8	12.8	7.5	.....	74.5
Springfield	.....	.....	0.6	12.2	12.3	6.7	5.2	1.1	.....	38.1
Turners Falls	.....	.....	1.2	24.5	27.1	9.4	16.0	12.0	.....	90.2
Westboro	.....	.....	2.0	9.0	10.0	13.5	14.0	6.0	.....	54.5
Williamstown	.....	0.4	3.3	20.2	22.8	12.6	15.8	6.0	.....	81.1
Worcester	.....	.....	2.1	15.7	25.2	16.5	13.9	6.5	.....	79.9
Michigan.										
Adrian	.....	T.	0.8	6.7	16.3	1.2	(*)	.....	.....	.....
Albion	.....	0.2	1.4	6.1	20.9	6.3	2.2	T.	.....	37.1
Allegan (No. 1)	.....	5.0	(*)	(*)	54.6	(*)	(*)	(*)	.....	.....
Allegan (No. 2)	.....	0.2	0.1	11.6	51.0	6.2	T.	T.	.....	69.1
Alma	.....	4.0	4.0	11.0	44.0	8.0	9.0	T.	.....	80.0
Alpena	.....	1.7	2.0	9.7	21.5	6.3	10.3	4.3	.....	55.8
Alpena (near)	.....	3.0	(*)	10.0	33.0	7.5	19.0	4.0	.....	.....
Ann Arbor	.....	T.	1.4	8.6	18.1	3.0	2.3	0.3	(*)	.....
Ann Arbor (near)	.....	T.	T.	4.0	21.5	1.0	(*)	T.	.....	.....
Arbela	.....	1.2	1.5	12.0	11.5	4.0	7.0	T.	.....	37.2
Armada	.....	T.	2.0	9.4	14.2	8.5	3.3	0.4	.....	37.8
Baraga	.....	(*)	(*)	(*)	11.4	6.6	4.0	(*)	.....	.....
Battle Creek (No. 1)	.....	1.0	1.0	9.0	25.0	6.0	1.5	.....	.....	43.5
Battle Creek (No. 2)	.....	(*)	(*)	9.2	(*)	5.5	(*)	(*)	(*)	.....
Bay City	.....	T.	0.8	6.1	19.4	4.6	8.3	T.	.....	39.2
Benzonia	.....	6.5	4.3	59.6	69.4	7.9	9.9	4.6	.....	162.2
Bergland	.....	8.0	7.2	36.3	28.1	19.4	2.8	6.5	.....	108 3
Big Rapids	.....	3.0	0.2	(*)	(*)	(*)	(*)	(*)	.....	.....
Bloomingdale	.....	3.0	5.0	11.0	18.5	7.0	2.0	T.	.....	46.5
Cadillac	.....	2.0	1.9	15.2	30.9	5.5	12.0	1.0	.....	68.5
Calumet	T.	2.5	3.9	45.9	39.9	5.8	4.0	1.0	T.	103.0
Cassopolis	.....	T.	T.	7.2	22.4	3.5	T.	.....	.....	33.1
Ceresco	.....	(*)	1.2	8.0	27.4	4.0	1.0	.....	.....	.....
Charlevoix	.....	1.0	T.	20.0	(*)	(*)	8.0	6.0	.....	.....
Charlotte	.....	T.	T.	7.0	19.0	7.0	2.0	.....	.....	35.0
Chatham	.....	(*)	6.0	27.0	19.5	12.0	(*)	(*)	.....	.....
Cheboygan	.....	(*)	0.7	13.7	33.0	17.5	9.5	1.0	.....	.....
Coldwater	.....	5.0	3.5	7.0	22.0	4.0	3.0	T.	.....	44.5
Cooke Site	.....	T.	6.0	7.9	18.5	2.5	6.5	3.0	.....	44.4
Croton	.....	2.0	1.0	11.0	30.0	2.0	3.0	T.	.....	49.0
Deer Park	.....	4.0	(*)	80.0	43.0	21.0	16.0	(*)	(*)	.....
Detroit	.....	T.	0.9	9.2	18.6	4.8	4.3	0.6	.....	38.4
Durand	.....	T.	0.5	(*)	25.0	(*)	5.0	T.	.....	.....
Eagle Harbor	.....	0.5	1.0	25.2	26.0	7.0	4.0	T.	T.	63.7
East Tawas	.....	T.	1.2	6.0	21.0	2.3	15.0	1.0	.....	46.5
Eloise	.....	T.	0.5	3.5	10.5	3.5	2.0	T.	.....	20.0
Escanaba	.....	1.0	2.6	11.3	12.8	15.4	7.5	1.0	T.	51.6
Ewen	.....	8.5	13.0	30.5	24.5	12.5	10.5	7.0	.....	106.5
Five Channels	.....	1.0	5.5	14.5	26.5	3.5	13.0	3.0	.....	67.0
Flint	.....	1.0	1.0	7.0	17.0	1.5	6.0	.....	.....	33.5
Frankfort	.....	1.0	2.6	33.7	32.0	7.4	11.6	2.0	.....	90.3
Ganges	.....	1.0	7.0	9.5	29.5	5.5	0.5	0.5	.....	53.5
Gaylord	(*)	(*)	(*)	(*)	21.0	(*)	3.0	(*)	(*)	.....
Grand Haven	.....	1.4	3.0	13.6	36.3	5.8	4.2	0.3	.....	64.6
Grand Ledge	.....	2.4	1.6	6.1	(*)	(*)	7.8	.....	.....	.....
Grand Marais	.....	3.0	5.0	35.5	61.0	10.0	7.0	.....	.....	121.5
Grand Rapids (No. 1)	.....	3.0	3.6	9.7	45.0	5.6	5.0	T.	.....	71.9
Grand Rapids (No. 2)	.....	0.8	3.0	(*)	(*)	4.1	4.5	.....	.....	.....
Grayling	(*)	(*)	(*)	5.0	(*)	3.1	2.5	2.0	.....	.....
Greenville	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Hamburg	.....	T.	0.7	4.8	14.0	5.5	1.5	.....	.....	26.5
Harbor Beach	.....	(*)	T.	7.0	(*)	(*)	11.0	0.5	.....	.....
Harrison	.....	4.0	(*)	(*)	27.4	5.5	(*)	(*)	.....	.....
Harrisville	.....	T.	6.0	6.6	53.0	7.0	(*)	(*)	.....	.....
Hart	.....	2.0	4.0	27.0	26.0	2.0	8.0	T.	.....	69.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Michigan—Continued.										
Hastings	.....	1.5	1.0	7.0	12.4	6.5	2.5	T.	.....	30.9
Highland	.....	1.0	2.5	12.0	30.0	(*)	4.5	1.0	.....	.....
Hillsdale	.....	1.3	0.8	10.0	21.8	3.0	3.0	T.	.....	39.9
Holland	.....	3.0	1.2	17.0	55.0	7.5	1.5	T.	.....	85.2
Houghton	.....	4.8	3.8	52.7	27.7	6.8	1.4	5.0	.....	102.2
Houghton Lake (near)	.....	0.5	T.	5.5	21.5	5.2	8.0	3.0	.....	43.7
Howard City	.....	4.0	5.0	15.5	33.2	5.7	8.0	T.	.....	71.4
Howell	.....	0.4	1.1	6.0	16.7	4.4	1.5	T.	.....	30.1
Humboldt	T.	5.6	2.5	(*)	20.0	9.0	4.0	3.0	T.	.....
Iron Mountain	.....	0.2	1.0	3.8	9.7	9.3	5.0	3.5	.....	32.5
Iron River	.....	1.2	2.0	9.5	11.5	22.0	8.0	1.0	.....	55.2
Ironwood	.....	12.0	3.0	28.0	25.0	15.0	6.0	6.0	.....	95.0
Ishpeming	T.	7.9	4.9	19.3	30.8	22.4	7.9	3.7	T.	96.9
Ivan	.....	3.5	2.0	24.0	31.5	4.0	8.0	2.0	.....	75.0
Jackson (No. 1)	.....	T.	0.8	9.3	(*)	4.0	1.2	T.	.....	.....
Jackson (No. 2)	.....	T.	1.5	12.3	25.6	5.5	4.0	.....	.....	48.9
Jeddo	.....	T.	4.0	13.5	21.2	7.1	5.4	0.5	.....	51.7
Johannesburg	.....	5.5	1.0	7.3	16.0	8.7	9.0	6.0	.....	53.5
Kalamazoo (No. 1)	.....	2.0	2.0	11.0	30.5	5.0	6.0	(*)	(*)	.....
Kalamazoo (No. 2)	.....	T.	T.	(*)	36.1	5.0	2.0	.....	.....	.....
Lansing	.....	3.4	2.7	8.3	22.7	6.3	3.6	0.2	.....	47.2
Lapeer	.....	1.0	1.0	8.0	26.5	11.0	(*)	(*)	.....	.....
Loud	.....	1.0	3.5	12.5	27.5	4.0	16.5	3.0	.....	68.0
Lowell	.....	2.4	2.6	7.2	22.5	7.0	3.5	.....	.....	45.2
Ludington	.....	1.8	6.8	32.9	43.5	4.6	3.4	0.4	.....	93.4
Luther	.....	2.5	1.2	15.7	31.5	6.0	13.0	2.0	.....	71.9
Mackinac Island	.....	0.5	(*)	13.0	24.0	20.0	5.0	(*)	.....	.....
Mackinaw	.....	(*)	(*)	20.3	(*)	(*)	(*)	(*)	.....	.....
Mancelona	.....	6.0	(*)	16.0	37.0	7.0	(*)	(*)	(*)	.....
Manistee	.....	(*)	(*)	(*)	(*)	(*)	4.0	T.	.....	.....
Maple Ridge	.....	(*)	8.0	13.0	10.0	18.0	6.0	(*)	.....	.....
Marquette	.....	1.7	14.0	39.3	48.3	22.6	10.6	4.2	0.5	141.2
Menominee	.....	3.0	0.5	5.3	20.0	5.8	8.5	2.0	.....	45.1
Midland	.....	4.0	2.5	5.0	33.0	3.5	13.5	.....	.....	61.5
Mio	.....	1.0	2.7	6.4	29.5	4.5	14.0	5.0	.....	63.1
Monroe	.....	(*)	3.5	9.0	24.5	1.5	2.0	.....	.....	.....
Morenci	.....	T.	0.5	9.5	(*)	(*)	2.0	(*)	.....	.....
Mount Clemens	.....	T.	1.8	5.5	18.5	2.0	1.3	T.	.....	29.1
Mount Pleasant	.....	2.0	1.0	6.5	36.0	2.0	10.0	T.	.....	57.5
Munising	.....	5.2	5.8	38.3	23.6	17.6	4.1	1.3	.....	95.9
Muskegon	.....	2.0	2.0	25.4	72.6	5.0	7.0	T.	.....	114.0
Newberry	.....	8.8	4.8	52.0	21.3	19.9	10.3	0.7	T.	117.8
Old Mission	.....	1.0	4.0	13.2	19.2	2.0	5.5	3.0	.....	47.9
Olivet	.....	0.8	0.2	10.6	18.0	2.0	4.0	.....	(*)	.....
Omer	.....	(*)	0.5	4.0	25.0	(*)	13.0	1.0	.....	.....
Onaway (near)	.....	5.6	3.7	11.0	37.0	15.2	15.0	8.0	.....	95.5
Otsego	.....	4.0	T.	20.0	49.4	9.1	T.	.....	.....	82.5
Owosso	.....	0.2	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
Petoskey	.....	6.0	5.0	20.0	43.0	24.0	15.0	8.0	.....	121.0
Plainwell	.....	0.5	T.	12.0	39.3	6.5	T.	T.	.....	58.3
Plymouth	.....	(*)	(*)	5.5	15.2	3.0	2.0	0.2	(*)	.....
Pontiac	.....	1.0	T.	5.0	12.0	8.0	8.0	1.0	.....	35.0
Port Austin	.....	T.	(*)	23.0	42.0	11.0	16.0	2.0	.....	.....
Port Huron	.....	T.	2.3	16.9	19.6	6.7	5.8	0.4	.....	51.7
Reed City	.....	1.4	1.1	6.0	20.0	8.1	5.9	1.6	.....	44.1
Rogers	.....	0.5	1.0	8.5	31.0	3.0	6.0	T.	.....	50.0
Roscommon	.....	7.1	1.5	10.7	35.4	2.4	9.9	1.7	.....	68.7
Saginaw (No. 1)	.....	0.3	1.8	8.3	21.7	7.4	8.6	1.3	.....	49.4
Saginaw (No. 2)	.....	T.	1.8	10.0	42.0	5.5	8.0	T.	.....	67.3
St Clair	.....	T.	1.7	14.0	10.8	(*)	(*)	(*)	(*)	.....
St. Ignace	.....	(*)	(*)	30.0	30.0	4.5	(*)	(*)	.....	.....
St. James	.....	1.0	T.	12.0	13.0	9.0	5.0	2.0	.....	42.0
St. Joseph	.....	2.0	3.5	26.0	60.0	16.0	1.0	.....	.....	108.5
Sandusky	.....	T.	3.0	9.5	9.0	4.0	4.0	T.	.....	29.5
Saranac	.....	1.0	0.5	3.5	(*)	(*)	1.0	.....	.....	.....
Sault Ste. Marie	.....	7.0	5.2	18.6	12.1	15.1	5.0	0.1	.....	63.1
Seney	.....	5.0	4.0	28.0	16.0	6.0	8.0	(*)	.....	.....
Sidnaw	.....	T.	2.5	13.6	(*)	4.1	2.1	T.	.....	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Michigan—Continued.										
South Haven	.....	1.5	3.5	(*)	(*)	8.0	.....	T.	.....	.....
Stronach	.....	2.0	1.2	16.2	25.7	2.0	6.0	0.5	.....	53.6
Traverse City	.....	2.0	4.0	24.0	40.0	4.0	10.5	7.0	.....	91.5
Trowbridge	.....	1.5	1.5	11.5	43.0	6.0	T.	T.	.....	63.5
Victoria	.....	3.5	6.0	30.0	14.0	4.0	3.0	4.5	.....	65.0
Wasepi	.....	3.0	4.0	6.0	32.0	6.0	3.0	.....	.....	54.0
Webber Dam	.....	2.5	0.9	6.7	26.5	5.8	6.7	T.	.....	49.1
Wellston	.....	4.0	4.0	(*)	(*)	6.6	7.2	2.0	.....	.....
West Branch (near)	.....	6.0	0.5	8.0	20.5	3.0	9.0	2.0	.....	49.0
Whitefish Point	.....	4.2	0.5	43.5	42.0	24.6	5.5	T.	T.	120.3
Ypsilanti	.....	T.	2.5	8.2	24.5	3.5	4.0	T.	.....	42.7
Minnesota.										
Ada	.....	5.5	1.5	5.3	8.2	0.5	.....	T.	.....	21.0
Albert Lea	.....	3.0	T.	6.0	9.0	5.0	8.0	.....	.....	31.0
Alexandria	.....	2.5	0.5	5.4	8.5	0.8	9.5	3.5	.....	30.7
Angus	.....	3.5	1.0	2.8	4.2	2.1	T.	1.2	.....	14.8
Argyle	.....	7.0	3.0	8.0	4.0	4.8	(*)	10.0	.....	36.8
Artichoke Lake	.....	0.5	0.5	4.4	4.7	0.5	2.7	1.0	.....	14.3
Bagley	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Baudette	.....	17.7	3.4	9.8	10.1	8.7	0.7	5.0	T.	55.4
Beardsley	.....	1.0	1.5	5.5	3.0	4.0	6.5	.....	.....	21.5
Bemidji	.....	14.0	1.0	3.0	3.0	6.0	T.	T.	.....	27.0
Bird Island	.....	0.5	1.4	3.5	3.1	3.1	11.7	T.	.....	23.3
Brainerd	.....	1.2	T.	3.7	1.3	T.	2.0	T.	.....	8.2
Caledonia	.....	11.0	0.9	7.1	12.6	21.0	14.0	2.5	.....	69.1
Campbell	.....	2.0	0.5	5.2	8.0	1.7	4.5	0.5	.....	22.4
Canby	.....	3.0	1.0	7.0	6.0	4.5	19.0	2.0	.....	42.5
Cass Lake	.....	15.0	2.0	16.0	5.5	T.	1.0	T.	.....	39.5
Chatfield	.....	7.0	2.0	2.0	12.5	1.0	9.5	1.0	.....	35.0
Cloquet	.....	7.5	0.8	11.2	11.8	3.0	4.5	2.8	.....	41.6
Collegeville	.....	0.7	0.2	6.4	5.0	2.5	7.8	1.0	.....	23.6
Crookston	.....	9.0	2.0	7.1	11.3	1.8	T.	1.0	.....	32.2
Crookston No. 2	.....	3.6	1.9	8.0	1.4	T.	T.	.....	.....	14.9
Crystal Bay	.....	(*)	0.5	(*)	(*)	(*)	(*)	(*)	.....	.....
Detroit	.....	8.0	2.0	3.5	4.5	1.0	4.0	4.0	.....	27.0
Duluth	.....	4.1	0.5	12.6	10.8	2.9	6.7	5.6	.....	43.2
Duluth (near)	.....	(*)	0.5	18.0	25.3	5.3	8.5	(*)	.....	.....
Fairmont (near)	.....	5.0	1.5	2.9	12.5	0.8	5.8	0.2	.....	28.7
Fairibault	.....	2.0	0.5	5.0	7.5	6.0	20.0	.....	.....	41.0
Farmington	.....	3.0	0.5	4.7	7.0	10.0	7.0	0.5	.....	32.7
Fergus Falls	.....	2.9	1.2	10.5	9.4	3.9	8.7	4.4	.....	41.0
Fort Ripley	.....	2.1	0.4	4.8	7.5	0.5	6.5	0.1	.....	21.9
Fosston	.....	4.0	3.0	3.7	3.8	0.9	(*)	2.0	.....	.....
Glencoe	.....	T.	0.5	6.0	9.0	T.	8.0	.....	.....	23.5
Grand Marais	.....	(*)	1.5	7.5	(*)	5.0	.....	.....	.....	.....
Grand Meadow	.....	6.5	1.0	3.7	9.5	2.2	10.8	1.5	.....	35.2
Grand Rapids	.....	12.6	1.1	2.6	7.7	3.6	0.9	0.5	.....	29.0
Grandy	.....	4.0	1.0	6.1	1.3	1.5	5.0	(*)	.....	.....
Gull Lake Dam	.....	3.2	0.5	8.0	3.7	1.5	3.8	T.	.....	20.7
Hallock	.....	6.0	5.0	4.0	3.7	3.0	T.	.....	.....	21.7
Hinckley	.....	2.1	1.2	4.2	2.7	0.6	4.0	2.4	.....	17.2
Hutchinson	.....	0.7	1.0	7.6	10.1	4.0	14.0	.....	.....	37.4
International Falls	T.	10.5	2.0	8.0	10.6	3.9	T.	T.	.....	35.0
Itasca State Park	.....	4.0	1.0	12.0	1.5	2.0	1.5	T.	.....	22.0
Lake Crystal	.....	T.	1.0	5.5	7.7	8.0	10.0	.....	.....	32.2
Leech Lake Dam	.....	16.8	1.3	17.1	8.0	5.7	2.2	0.5	T.	51.6
Little Falls	.....	1.0	0.2	11.1	7.2	(*)	20.5	(*)	.....	.....
Long Prairie	.....	1.0	0.5	3.3	4.7	(*)	6.3	T.	.....	.....
Luverne	.....	T.	3.0	6.2	5.1	0.7	2.0	T.	.....	17.0
Lynd	.....	T.	0.5	5.0	6.0	1.0	11.5	T.	.....	24.0
Mankato	.....	T.	0.5	7.0	9.4	5.9	5.5	.....	.....	28.3
Mapleplain	.....	2.4	1.0	9.2	10.6	4.8	10.9	0.9	.....	39.8
Meadowlands	.....	4.8	T.	10.0	12.0	(*)	7.0	(*)	.....	.....
Milaca	.....	3.0	T.	6.0	1.0	2.0	5.0	1.0	.....	18.0
Milan	.....	0.6	0.1	10.5	9.4	4.2	11.2	T.	.....	36.0
Minneapolis	.....	2.3	0.9	6.2	5.3	4.9	11.2	T.	.....	30.8
Minneapolis No. 1	.....	2.6	1.0	6.5	6.5	5.6	11.6	1.0	.....	34.8

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Minnesota—Continued.										
Montevideo	.....	0.5	0.7	7.3	8.2	4.3	10.0	T.	.....	31.0
Moorhead	.....	3.8	1.8	5.5	6.1	3.5	3.6	3.4	.....	27.7
Moose Lake	.....	1.5	.....	3.5	6.6	1.0	0.5	9.2	.....	22.3
Mora	.....	5.6	1.3	7.7	3.9	2.4	4.9	3.0	.....	28.8
Morris	.....	2.5	1.0	7.0	9.0	T.	5.0	3.0	.....	27.5
New London	.....	3.0	0.1	5.5	10.0	4.5	6.0	.....	.....	29.1
New Richland	.....	3.2	0.5	4.5	7.4	2.9	8.5	T.	.....	27.0
New Ulm	.....	1.0	1.1	5.3	9.0	8.8	8.5	T.	.....	33.7
Park Rapids	.....	7.5	1.2	5.6	3.4	2.1	3.1	T.	.....	22.9
Pine River Dam	.....	3.0	0.5	8.0	3.5	1.3	5.0	T.	.....	21.3
Pipestone	(*)	(*)	0.1	1.4	2.5	1.0	2.0	.....	.....	.....
Pokegama Falls	.....	15.0	0.7	9.5	5.1	2.6	1.4	.....	.....	34.3
Red Lake	.....	7.2	2.0	4.7	7.4	3.2	(*)	.....	T.	.....
Redlake Falls	.....	17.0	2.0	17.7	10.5	10.5	(*)	.....	.....	.....
Red Wing (River)	.....	0.5	1.0	8.7	12.1	5.3	13.0	T.	.....	40.6
Redwood Falls	.....	0.2	T.	6.6	6.5	2.0	7.0	.....	.....	22.3
Reeds	.....	2.6	1.0	8.6	11.6	2.1	14.5	.....	.....	40.4
Rochester	.....	5.7	0.5	3.7	9.4	2.5	13.0	.....	.....	34.8
Roseau	.....	5.0	1.0	7.5	10.0	3.0	T.	2.0	T.	28.5
St. Charles	.....	4.0	1.2	5.6	10.0	6.4	16.0	.....	.....	43.2
St. Cloud	.....	1.8	1.0	6.4	5.9	2.1	9.3	.....	.....	26.5
St. Paul	.....	2.3	0.5	7.1	8.1	5.0	9.3	2.3	.....	34.6
St. Peter	.....	0.5	0.1	5.2	(*)	8.0	4.4	(*)	.....	.....
Sandy Lake Dam	.....	9.0	1.0	15.0	10.0	2.0	7.0	T.	.....	44.0
State Sanatorium	.....	8.0	0.5	(*)	4.4	(*)	3.0	.....	(*)	.....
Stillwater	.....	1.8	1.0	10.5	8.5	3.2	14.0	.....	.....	39.0
Taylors Falls	.....	1.5	0.5	5.2	7.6	2.0	0.8	.....	.....	17.6
Thief River Falls	.....	5.8	1.5	4.2	3.3	2.1	T.	0.6	T.	17.5
Tracy	.....	0.5	0.2	9.0	8.0	1.5	10.0	1.0	.....	30.2
Two Harbors	.....	T.	0.1	12.0	16.3	6.0	2.0	3.0	.....	39.4
Tyler	.....	(*)	T.	(*)	(*)	(*)	(*)	.....	.....	.....
Virginia	.....	8.5	1.2	13.4	7.3	4.6	1.7	0.5	.....	37.2
Warren	.....	6.0	3.0	6.5	3.5	(*)	(*)	.....	T.	.....
Warroad	.....	15.0	2.0	4.1	5.7	4.7	9.0	.....	.....	40.5
Waseca	.....	1.9	0.5	3.5	4.0	(*)	9.5	T.	.....	.....
Wheaton	.....	1.0	0.4	4.8	5.2	3.0	4.5	0.5	.....	19.4
Willmar	.....	0.5	0.5	5.5	7.1	3.0	9.5	T.	.....	26.1
Windom	.....	T.	0.5	2.5	5.5	2.0	8.5	.....	.....	19.0
Winnebago	.....	2.0	2.0	4.0	10.0	3.2	8.5	.....	.....	29.7
Winnibigoshish	.....	8.9	1.3	15.6	7.6	6.0	1.4	0.5	.....	41.3
Winona	.....	5.7	0.5	3.5	10.5	1.7	12.5	T.	.....	34.4
Winthrop	.....	0.2	0.8	4.7	8.3	1.9	7.2	.....	.....	23.1
Winton	.....	10.5	1.5	12.5	9.0	11.5	0.5	T.	.....	45.5
Worthington	.....	1.0	2.0	5.2	10.0	5.0	9.0	T.	.....	32.2
Zumbrota	.....	4.0	0.5	2.5	7.2	(*)	8.5	.....	.....	.....
Mississippi.										
Aberdeen	.....	.....	.....	2.0	4.2	.....	.....	.....	.....	6.2
Agricultural College	.....	.....	.....	1.0	2.0	.....	.....	.....	.....	3.0
Anguilla	.....	.....	.....	T.	2.0	.....	.....	.....	.....	2.0
Austin	.....	.....	.....	4.0	15.5	.....	.....	.....	.....	19.5
Batesville	.....	.....	.....	0.3	5.8	.....	.....	.....	.....	6.1
Bay St. Louis	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Biloxi	.....	.....	.....	T.	T.	.....	.....	.....	.....	T.
Booneville	.....	.....	.....	2.5	7.5	.....	.....	.....	.....	10.0
Brookhaven	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Canton	.....	.....	.....	T.	1.8	.....	.....	.....	.....	1.8
Charleston	.....	.....	.....	3.3	1.6	.....	.....	.....	.....	4.9
Clarksdale	.....	.....	.....	0.4	7.5	.....	.....	.....	.....	7.9
Cleveland	.....	.....	.....	2.0	6.0	.....	.....	.....	.....	8.0
Collins	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Columbia	.....	.....	.....	.....	0.1	.....	.....	.....	.....	0.1
Columbus	.....	.....	.....	1.0	3.0	.....	.....	T.	.....	4.0
Corinth	.....	.....	.....	3.0	14.0	.....	.....	.....	.....	17.0
Crenshaw	.....	.....	.....	4.0	11.0	.....	.....	.....	.....	15.0
Crystal Springs	.....	.....	.....	.....	1.5	.....	.....	.....	.....	1.5
Derma	.....	.....	.....	3.7	8.9	.....	.....	.....	.....	12.6
Duck Hill	.....	.....	.....	T.	4.0	.....	.....	.....	.....	4.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Mississippi—Continued.										
Edinburg				T.	2.0					2.0
Edwards				T.	3.0					3.0
Enterprise					0.8					0.8
Fayette				T.	0.5					0.5
Fruitland Park					T.					T.
Fulton				1.5	5.5					7.0
Greenville				0.2	3.4					3.6
Greenwood				0.5	3.5					4.0
Grenada				1.5	(*)					.....
Hattiesburg					0.7					0.7
Hazlehurst				T.	0.5					0.5
Hernando				7.5	14.0					21.5
Hickory					1.0					1.0
Hickory Flat				4.5	6.8					11.3
Holly Bluff	(*)	(*)	(*)	(*)	3.0					.....
Holly Springs				4.0	9.0			T.		13.0
Jackson				T.	0.5					0.5
Kosciusko					2.0					2.0
Lake					1.5					1.5
Laurel				T.	0.5					0.5
Leakesville					0.2					0.2
Louisville				1.0	1.5					2.5
McNeill					T.					T.
Macon				T.	2.0					2.0
Magnolia				T.	2.0					2.0
Meadville					1.0					1.0
Mendenhall					0.8					0.8
Meridian				T.	1.1					1.1
Merrill					0.5					0.5
Monticello					1.0					1.0
Moorhead				T.	4.5					4.5
Natchez					1.0					1.0
Okolona				2.0	5.0					7.0
Pascagoula					T.					T.
Pearlington					T.					T.
Pontotoc				(*)	4.5					.....
Port Gibson				T.	1.5					1.5
Rosedale					4.0					4.0
Shubuta					1.0					1.0
Stoneville				(*)	3.5					.....
Suffolk			(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Swan Lake				0.2	0.8					1.0
Tchula				0.4	3.0					3.4
Tupelo				1.5	4.0					5.5
University				(*)	7.5					.....
Utica				T.	2.0					2.0
Vicksburg				T.	1.4					1.4
Water Valley				1.0	5.1			T.		6.1
Waynesboro				T.	2.0					2.0
Woodville					1.0					1.0
Yazoo City				T.	2.1					2.1
Missouri.										
Amoret		T.	T.	5.0	10.0	T.		T.		15.0
Appleton City		T.	T.	4.0	6.1	T.		T.		10.1
Arlington		(*)		1.5	(*)	(*)				.....
Avalon		T.		5.2	15.5			6.0		26.7
Bethany		0.5	T.	1.0	12.0	6.5	1.0	17.0		38.0
Birchtree				9.0	23.0					32.0
Bolivar				12.0	11.0					23.0
Boonville		(*)		2.5	(*)	T.				.....
Brunswick		0.4		6.8	24.7					31.9
Cape Girardeau				12.0	37.0					49.0
Caruthersville			T.	16.5	23.0	1.0				40.5
Cassville					15.9					15.9
Chillicothe		0.2		1.8	11.1			7.0		20.1

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Missouri—Continued.										
Clifton Hill	.....	0.2	.....	7.0	17.5	.....	.....	4.5	.....	29.2
Clinton	.....	.....	T.	5.5	20.0	.....	.....	.....	.....	25.5
Columbia	.....	0.2	T.	4.5	11.6	T.	.....	T.	.....	16.3
Conception	.....	T.	T.	3.5	5.0	4.5	0.5	7.0	.....	20.5
Crocker	.....	.....	.....	(*)	17.0	(*)	.....	(*)	.....	.....
Dean	.....	T.	.....	6.0	25.0	.....	.....	.....	.....	31.0
Doniphan	.....	.....	T.	11.0	36.0	1.0	.....	.....	.....	48.0
Eldon	.....	T.	T.	8.0	19.2	0.2	.....	T.	.....	27.4
Fayette	.....	0.5	.....	5.5	19.0	T.	.....	1.0	.....	26.0
Fruit City	.....	.....	.....	12.5	20.0	.....	.....	.....	.....	32.5
Fulton	.....	0.2	.....	5.0	16.1	.....	.....	T.	.....	21.3
Gallatin	.....	1.0	T.	4.3	16.4	0.5	0.5	9.3	.....	32.0
Gano	.....	.....	.....	10.7	17.9	T.	.....	T.	.....	28.6
Glencoe	.....	.....	.....	4.5	(*)	(*)	(*)	(*)	.....	.....
Goodland	.....	.....	.....	8.8	17.5	.....	.....	.....	.....	26.3
Gorin	.....	T.	.....	3.8	5.0	T.	.....	1.5	.....	10.3
Grant City	.....	T.	T.	2.5	6.0	7.0	T.	15.5	.....	31.0
Hannibal	.....	0.2	T.	7.3	15.8	0.1	T.	T.	.....	23.4
Harrisonville	.....	0.5	T.	3.2	9.7	.....	.....	3.5	.....	16.9
Hermann	.....	T.	.....	7.0	18.0	1.0	.....	.....	.....	26.0
Hollister	.....	.....	.....	14.0	45.0	.....	.....	.....	.....	59.0
Houston	.....	T.	0.5	11.0	17.5	T.	.....	T.	.....	29.0
Ironton	.....	T.	T.	9.0	20.7	T.	.....	T.	.....	29.7
Jackson	.....	T.	.....	15.5	35.7	0.5	.....	T.	.....	51.7
Jefferson City	.....	0.1	.....	9.1	15.5	1.0	.....	T.	.....	25.7
Kansas City	.....	0.8	0.1	5.3	10.3	0.1	T.	2.0	.....	18.6
Keytesville	.....	0.2	.....	6.0	19.5	.....	T.	3.0	.....	28.7
Kidder	.....	1.2	1.0	5.5	17.5	.....	.....	7.0	.....	32.2
Kirksville	.....	T.	.....	2.6	9.5	0.5	T.	3.0	.....	15.6
Koshkonong	.....	.....	T.	10.0	42.0	0.5	.....	.....	.....	52.5
Lamar	.....	.....	.....	7.0	8.0	.....	.....	.....	.....	15.0
Lamonte	.....	T.	T.	5.0	9.0	.....	.....	2.0	.....	16.0
Lebanon	.....	T.	T.	8.5	20.0	.....	.....	T.	.....	28.5
Lexington	.....	0.5	0.5	5.0	11.0	.....	.....	2.5	.....	19.5
Liberty	.....	1.0	0.2	5.0	(*)	.....	T.	10.0	.....	.....
Lockwood	.....	T.	.....	8.5	13.5	T.	.....	0.2	.....	22.2
Louisiana	.....	0.8	0.2	8.0	19.0	0.5	T.	T.	.....	28.5
Macon	.....	0.5	(*)	(*)	(*)	.....	.....	2.5	.....	.....
Marble Hill	.....	.....	.....	13.0	38.0	.....	.....	.....	.....	51.0
Marshall	.....	T.	T.	4.5	17.0	T.	T.	T.	.....	21.5
Maryville	.....	1.0	T.	4.5	8.2	6.0	.....	10.0	.....	29.7
Mexico	.....	T.	.....	6.0	26.5	.....	.....	.....	.....	32.5
Mountain Grove	.....	.....	T.	9.0	14.0	.....	.....	.....	.....	23.0
Mount Vernon	.....	(*)	(*)	20.0	15.0	(*)	(*)	(*)	(*)	.....
Neosho	.....	.....	.....	(*)	24.5	.....	.....	.....	.....	.....
Nevada	.....	T.	.....	7.0	(*)	(*)	(*)	(*)	(*)	.....
New Madrid	.....	.....	.....	12.5	(*)	.....	.....	.....	.....	.....
Oakfield	.....	T.	T.	7.8	11.0	0.5	.....	0.5	.....	19.8
Oregon	.....	0.6	T.	2.1	7.0	2.5	.....	9.2	.....	21.4
Palmyra	.....	0 2	.....	4.0	13.1	0.1	.....	.....	.....	17.4
Patton (near)	.....	.....	.....	(*)	15.0	.....	.....	.....	.....	.....
Poplar Bluff	.....	.....	T.	10.7	47.5	0.2	.....	.....	.....	58.4
Rolla	.....	T.	T.	9.5	18.0	T.	.....	0.4	.....	27.9
St. Catherine	.....	0.2	.....	5.5	15.2	T.	T.	8.0	.....	28.9
St. Charles	.....	0.2	.....	4.5	7.0	T.	.....	.....	.....	11.7
St. Joseph	.....	0.3	0.1	2.5	6.1	1.0	0.1	1.5	.....	11.6
St. Louis (1)	.....	T.	.....	7.5	11.7	0.2	.....	T.	.....	19.4
St. Louis (2)	.....	0.1	0.5	10.5	14.5	0.1	T.	T.	.....	25.3
Springfield	.....	T.	T.	16.1	23.0	T.	.....	0.2	.....	39.3
Steffenville	.....	T.	.....	6.0	13.0	.....	T.	T.	.....	19.0
Tarkio	.....	1.0	.....	T.	4.2	3.5	0.2	10.0	.....	18.9
Trenton	.....	T.	T.	2.0	10.5	1.0	T.	16.0	.....	29.5
Union	.....	.....	.....	8.0	12.5	T.	.....	.....	.....	20.5
Unionville	.....	0.5	.....	3.0	14.0	5.0	2.5	10.0	.....	35.0
Valley Park	.....	T.	T.	6.6	8.1	0.1	.....	.....	.....	14.8
Warrensburg	.....	T.	0.5	8.8	13.2	.....	.....	6.0	.....	28.5
Warrenton	.....	T.	T.	7.7	15.6	0.5	.....	.....	.....	23.8
Warsaw	.....	T.	T.	8.0	18.0	T.	.....	T.	.....	26.0
Waverly	.....	.....	T.	3.2	14.0	.....	.....	1.0	.....	18.2

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Montana.										
Adel	3.0	28.5	1.0	15.0	33.0	10.0	12.5	26.5	22.0	151.5
Agricultural College	.....	4.9	.....	14.4	22.0	8.0	12.5	(*)	3.0	.....
Anaconda	.....	17.1	T.	7.1	16.9	10.0	10.1	8.4	5.2	74.8
Augusta	.....	5.0	.....	(*)	12.0	2.0	4.0	4.0	1.0	.....
Babb	.....	10.0	.....	33.0	12.0	10.0	11.0	24.0	13.0	113.0
Belton	.....	8.7	(*)	88.0	(*)	2.4	(*)	(*)	(*)	.....
Big Ox	.....	14.0	2.0	24.0	18.0	(*)	(*)	(*)	.....	.....
Big Timber	.....	5.0	4.0	22.0	12.0	5.0	16.0	8.0	6.0	78.0
Billings	.....	.....	T.	20.7	23.0	9.2	1.0	(*)	(*)	.....
Blackleaf	.....	(*)	(*)	(*)	2.0	(*)	2.2	(*)	6.0	.....
Boulder	.....	(*)	(*)	(*)	(*)	(*)	7.9	6.9	(*)	.....
Bowen	.....	1.7	5.5	4.0	20.3	12.2	9.3	0.8	.....	53.8
Brenner	T.	4.0	6.0	0.7	(*)	9.0	7.7	13.0	9.2	.....
Bridger	.....	10.0	.....	7.8	(*)	6.0	2.0	6.5	.....	.....
Browning	.....	6.0	T.	18.8	8.9	4.2	(*)	(*)	3.5	.....
Busby	.....	5.4	1.0	24.0	35.7	3.7	10.0	16.5	9.5	105.8
Busteed	.....	7.2	(*)	20.2	20.2	8.0	10.5	10.7	6.8	.....
Butte	.....	17.0	2.0	10.0	23.2	10.5	26.5	5.2	(*)	.....
Canyon Ferry	.....	3.5	2.0	7.5	9.5	6.5	1.5	3.0	.....	33.5
Cascade	T.	7.0	0.5	10.5	7.0	6.5	4.0	8.5	(*)	.....
Chouteau	(*)	(*)	(*)	(*)	(*)	2.4	(*)	0.6	.....	.....
Chinook	.....	(*)	.....	(*)	(*)	(*)	(*)	4.4	.....	.....
Christensen	.....	8.0	.....	14.0	13.0	4.0	4.0	(*)	(*)	.....
Clear Creek	2.0	5.0	.....	22.5	13.0	5.5	2.0	5.5	.....	55.5
Clyde Park	.....	6.0	.....	14.5	11.0	5.2	9.0	5.0	1.0	51.7
Columbia Falls	.....	6.0	.....	48.4	34.2	12.9	2.8	1.0	.....	105.3
Como	.....	5.0	6.0	3.0	37.0	15.0	5.0	(*)	0.2	.....
Copper	2.0	13.0	2.0	2.2	33.5	9.0	8.0	6.5	17.5	93.7
Crow Agency	.....	(*)	.....	(*)	23.0	5.0	2.5	6.0	3.5	.....
Culbertson	.....	(*)	(*)	8.4	4.5	0.7	0.6	1.4	T.	.....
Cut Bank	.....	.....	.....	(*)	(*)	3.0	(*)	(*)	1.3	.....
Dayton	.....	4.0	.....	14.8	10.3	0.7	6.5	T.	.....	36.3
Deer Lodge	.....	10.4	1.5	14.0	9.0	1.5	T.	.....	T.	36.4
Dell	.....	1.0	1.0	3.0	8.5	4.0	3.0	14.5	4.0	39.0
Denton	T.	8.3	T.	21.0	26.2	7.7	4.0	4.0	T.	71.2
Dillon	.....	3.5	T.	1.2	14.5	19.0	8.6	20.0	15.0	81.8
Dunkirk	.....	1.5	.....	15.0	17.0	1.0	0.5	1.0	T.	36.0
East Anaconda	.....	(*)	.....	6.1	13.5	9.8	11.0	3.4	6.3	.....
Ekalaka	.....	2.3	T.	(*)	(*)	2.4	1.8	(*)	.....	.....
Ennis	.....	(*)	(*)	(*)	26.0	10.0	4.0	21.0	.....	.....
Findon	T.	8.9	2.1	20.8	24.3	11.3	6.9	T.	T.	74.3
Flatwillow	.....	1.2	.....	(*)	18.4	6.0	(*)	(*)	T.	.....
Fortine	.....	7.0	(*)	(*)	25.0	8.0	4.0	4.0	T.	.....
Fort Shaw	.....	3.5	0.5	12.7	7.8	1.4	0.5	0.9	T.	27.3
Foster	.....	(*)	.....	(*)	(*)	(*)	T.	2.6	T.	.....
Geyser	.....	9.0	T.	(*)	14.8	1.0	1.5	(*)	(*)	.....
Glacier Park	.....	(*)	(*)	90.5	16.2	16.5	8.0	6.0	12.0	.....
Glasgow	.....	T.	.....	12.0	2.5	1.8	0.7	.....	.....	17.0
Glendive	.....	T.	.....	19.5	3.8	3.0	3.5	5.0	3.0	37.8
Goldbutte	.....	4.7	.....	(*)	(*)	(*)	(*)	2.0	(*)	.....
Graham	T.	3.0	(*)	17.0	9.5	5.0	5.0	8.0	3.0	.....
Great Falls	.....	5.5	.....	19.9	17.6	1.0	4.8	1.4	.....	50.2
Hamilton	(*)	(*)	(*)	(*)	12.5	3.8	(*)	(*)	(*)	.....
Harlowton	.....	0.4	2.0	(*)	(*)	0.8	0.9	0.7	2.0	.....
Hat Creek	1.5	34.3	4.2	52.2	(*)	(*)	2.5	T.	(*)	.....
Haugan	.....	0.2	4.0	38.0	14.7	20.5	5.0	T.	T.	82.4
Havre	5.6	2.4	T.	26.1	11.9	4.0	3.2	0.5	T.	53.7
Hebgen Dam	T.	3.3	7.8	41.0	66.8	47.8	18.8	19.6	4.0	209.1
Helena	.....	7.9	2.5	31.2	13.4	5.1	3.5	6.1	5.1	74.8
Hercules Ranch	.....	8.5	.....	20.8	(*)	5.2	(*)	2.0	4.0	.....
Heron	.....	2.0	(*)	38.0	13.0	32.5	8.0	.....	.....	.....
Highwood	4.0	13.7	0.5	26.3	27.7	5.2	5.2	19.0	7.2	108.8
Huntley	.....	4.0	.....	19.4	24.0	5.6	1.5	4.5	5.0	64.0
Jordan	.....	(*)	.....	(*)	8.5	7.0	3.0	4.5	.....	.....
Kalispell	.....	3.0	0.6	26.8	16.4	8.2	2.1	T.	T.	57.1
Knobles Ranch	T.	15.5	.....	19.0	16.0	6.3	4.0	T.	T.	60.8
Knowlton	.....	5.2	T.	19.3	13.3	6.1	2.5	11.0	9.5	66.9
Lewistown	.....	(*)	(*)	(*)	(*)	8.5	3.9	2.8	.....	.....
Libby	.....	(*)	(*)	42.0	7.0	16.5	2.0	.....	.....	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Montana—Continued.										
Livingston	.....	13.1	1.3	20.1	18.4	6.9	18.0	15.5	T.	93.2
Lytle	T.	10.2	T.	19.1	20.2	2.3	3.0	4.5	1.2	60.5
Malta	.....	T.	.....	16.0	3.7	0.5	1.5	T.	.....	21.7
Melstone	.....	0.5	.....	9.2	5.7	4.2	0.7	0.6	.....	20.9
Mildred	.....	T.	.....	7.5	4.0	8.0	1.0	T.	T.	20.5
Miles City	.....	0.3	.....	20.0	12.4	5.0	2.3	0.8	0.4	41.2
Missoula	.....	.....	.....	13.3	19.5	4.0	1.5	.....	.....	38.3
Norris	.....	.....	.....	1.5	(*)	7.5	7.0	(*)	(*)	.....
Ovando	.....	14.5	5.0	60.0	39.5	11.5	3.0	9.0	.....	142.5
Philipsburg	.....	10.0	3.0	12.2	13.3	7.4	5.4	5.3	5.0	61.6
Pinegrove	.....	8.5	0.5	14.0	40.8	13.0	10.0	10.5	9.5	106.8
Plains	.....	1.0	1.0	9.0	12.5	2.5	4.0	2.0	.....	32.0
Plevna	.....	2.4	0.3	17.0	15.5	12.5	6.3	7.1	5.2	66.3
Polson	.....	2.0	(*)	15.0	24.0	4.0	4.0	.....	.....	.....
Poplar	.....	2.0	.....	22.0	16.5	4.5	1.5	1.7	T.	48.2
Red Lodge	.....	23.0	T.	14.0	16.5	16.5	8.2	36.0	8.5	122.7
Renova	.....	T.	1.0	3.5	3.5	7.0	2.0	0.7	3.0	20.7
Rock Springs	.....	4.0	T.	32.3	19.2	5.5	7.0	5.0	2.5	75.5
Roundup	.....	2.0	T.	14.0	15.5	1.0	(*)	(*)	(*)	.....
Rudyard	.....	3.0	.....	17.0	3.0	(*)	(*)	(*)	T.	.....
Ryegate	.....	(*)	(*)	(*)	(*)	(*)	(*)	12.5	3.0	.....
St. Ignatius	.....	2.0	(*)	9.5	28.5	6.5	6.0	4.0	.....	.....
Savage	.....	2.0	T.	14.0	2.0	3.5	4.0	4.0	2.0	31.5
Shelby	.....	0.4	.....	13.4	8.3	4.0	0.2	2.5	.....	28.8
Sidney	.....	(*)	(*)	(*)	2.5	3.5	(*)	(*)	(*)	.....
Snowbelt	.....	4.6	.....	13.3	9.3	5.0	6.5	5.5	T.	44.2
Springbrook	.....	3.5	1.0	31.0	11.5	8.0	9.0	(*)	T.	.....
Stevensville	.....	5.5	2.5	7.5	14.1	3.0	0.5	.....	2.0	35.1
Stryker	.....	8.5	1.8	77.2	29.5	25.3	4.4	3.2	0.3	150.2
Suffolk	T.	4.0	T.	27.5	40.0	10.0	4.0	T.	2.0	87.5
Sula	.....	1.5	1.5	(*)	(*)	(*)	(*)	(*)	5.0	.....
Sun River Canyon	.....	12.9	1.0	70.5	31.0	6.5	10.5	8.0	5.0	145.4
Sunset Orchard	.....	2.0	2.0	1.0	12.5	2.0	4.0	T.	4.0	27.5
Superior	.....	4.5	2.0	10.7	11.0	5.0	16.4	5.0	.....	54.6
Thompson Falls	.....	3.0	.....	12.5	12.3	14.5	3.5	3.5	.....	49.3
Three Forks	.....	1.3	1.0	3.5	3.5	1.0	4.8	3.2	5.0	23.3
Trout Creek	.....	3.2	T.	42.8	21.5	24.8	4.3	T.	.....	96.6
Upper Yaak River	.....	5.5	5.5	39.5	11.0	15.5	9.0	.....	.....	86.0
Utica	.....	8.5	T.	15.0	14.5	6.8	11.0	4.8	2.0	62.6
Valentine	.....	(*)	.....	7.8	7.7	0.7	0.3	0.2	(*)	.....
Valier	.....	3.1	0.1	7.3	9.4	0.2	0.8	2.6	T.	23.5
Vananda	.....	T.	.....	15.7	18.0	4.5	1.2	.....	.....	39.4
Victor	.....	T.	10.0	(*)	23.6	3.0	1.0	1.0	0.3	.....
Virginia City	0.5	3.5	2.5	5.5	15.3	10.4	4.0	6.0	T.	47.7
Wheaton	.....	9.0	1.0	21.0	21.0	17.5	9.0	3.5	4.5	86.5
White Sulphur Springs	4.0	8.0	3.0	13.0	17.0	.....	9.0	4.0	11.0	65.0
White Water	.....	0.5	.....	15.5	6.0	4.5	3.5	2.5	T.	32.5
Nebraska.										
Ainsworth	.....	(*)	2.0	7.0	(*)	8.0	5.0	11.0	T.	.....
Albion	.....	T.	4.0	8.0	12.0	6.0	4.0	T.	.....	34.0
Alliance	(*)	T.	T.	3.0	7.5	2.5	T.	9.5	(*)	22.5
Alma	(*)	0.3	T.	1.5	8.7	4.7	0.5	2.0	.....	17.7
Antioch	(*)	(*)	(*)	0.6	(*)	2.5	0.2	8.7	0.7	.....
Arcadia	(*)	.....	3.5	1.5	4.5	3.0	T.	1.5	(*)	14.0
Arden	(*)	1.0	3.0	7.0	11.0	10.0	3.5	T.	.....	35.5
Ashland	.....	0.1	0.3	7.1	5.9	10.8	0.5	T.	.....	24.7
Atkinson	(*)	.....	1.5	7.5	18.5	8.5	3.5	2.2	(*)	41.7
Auburn	(*)	0.5	.....	5.5	5.0	7.5	(*)	11.0	(*)	.....
Beatrice	(*)	T.	.....	3.0	8.7	7.7	(*)	T.	.....	.....
Beaver City	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Benkelman	(*)	(*)	.....	4.0	5.5	5.0	(*)	7.0	(*)	91.5
Bertrand	(*)	T.	1.5	1.2	13.0	9.0	T.	5.0	.....	29.7
Bigspring	(*)	T.	0.1	3.0	2.4	2.3	T.	17.5	.....	25.3
Blair	.....	T.	0.7	8.2	11.4	10.2	T.	.....	.....	30.5
Blair Bridge	.....	(*)	0.9	4.4	8.0	6.4	.....	(*)	(*)	19.7
Blake	(*)	(*)	0.5	3.0	8.0	5.0	3.0	1.0	(*)	20.5
Bloomfield	(*)	(*)	(*)	4.0	4.5	6.0	1.0	T.	.....	15.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nebraska—Continued.										
Bradshaw	(*)	T.	0.3	4.0	8.4	6.2	0.9	0.2	.....	20.0
Brewester	.....	T.	4.0	4.2	6.0	5.5	3.0	3.5	0.5	26.7
Bridgeport	(*)	T.	T.	5.0	7.5	2.0	T.	14.0	.....	28.5
Broken Bow	(*)	T.	6.0	4.0	11.5	4.5	0.5	2.9	.....	29.4
Brownlee	(*)	1.0	T.	.....	2.6	3.3	.....	9.4	T.	16.3
Burning	.....	0.5	T.	1.0	7.0	8.0	T.	1.5	.....	18.0
Burwell	(*)	.....	2.5	5.5	7.5	3.4	1.0	.....	.....	19.9
Butte	(*)	T.	2.0	5.5	10.0	6.0	3.0	2.0	T.	28.5
Cairo	(*)	(*)	2.0	3.5	10.5	4.5	T.	(*)	.....	20.5
Callaway	(*)	(*)	(*)	(*)	8.0	2.0	T.	T.	T.	.....
Central City	(*)	1.0	1.0	3.5	10.0	5.5	1.0	T.	.....	22.0
Chadron	.....	5.5	T.	9.3	5.6	9.5	3.9	23.6	T.	57.4
Clay Center	.....	0.2	.....	2.0	5.0	7.0	(*)	.....	.....	14.2
Columbus	.....	T.	1.5	2.0	(*)	11.0	1.0	.....	.....	.....
Crete	.....	0.2	0.2	3.5	3.8	12.1	0.2	1.0	.....	21.0
Culbertson	.....	.....	.....	4.5	12.0	6.5	1.0	.....	.....	24.0
Curly	(*)	(*)	(*)	(*)	(*)	(*)	1.0	34.0	6.0	.....
Curtis	.....	0.5	T.	6.0	10.0	7.0	0.5	3.0	.....	24.3
David City	.....	0.2	0.2	7.4	12.0	4.1	2.2	1.7	.....	27.8
Drexel	.....	T.	0.5	6.4	9.2	8.6	1.5	1.6	.....	27.8
Elm Creek	(*)	0.8	2.0	2.0	4.0	10.0	.....	.....	.....	18.8
Elsie	(*)	(*)	.....	.....	.....	(*)	.....	.....	(*)	.....
Ericson	(*)	(*)	3.0	6.5	7.0	5.0	.....	.....	.....	21.5
Ewing	(*)	T.	1.5	4.0	2.5	4.5	T.	T.	.....	12.5
Fairbury	.....	2.5	T.	3.0	8.6	7.0	T.	5.0	.....	26.1
Fairmont	.....	0.2	T.	5.0	7.5	9.0	2.0	1.0	.....	24.7
Falls City	(*)	2.0	T.	3.0	7.0	5.5	(*)	(*)	.....	.....
Fort Robinson	.....	5.0	.....	5.5	9.5	(*)	4.0	16.5	.....	.....
Fort Omaha	(*)	T.	0.5	(*)	.....	8.0	T.	0.8	T.	9.3
Franklin	(*)	0.8	T.	0.7	7.0	3.7	T.	1.5	.....	13.7
Fremont	(*)	0.5	T.	5.7	13.4	7.2	T.	5.5	.....	32.3
Fullerton	.....	(*)	3.0	3.9	17.0	(*)	(*)	(*)	(*)	.....
Geneva	(*)	0.8	(*)	.....	(*)	(*)	T.	4.0	.....	.....
Genoa	(*)	T.	2.0	5.9	9.5	6.3	1.5	2.0	.....	27.2
Gordon	(*)	2.5	0.5	9.1	7.8	2.5	2.5	18.5	T.	43.4
Gosper	.....	T.	0.5	2.0	4.5	6.5	T.	4.0	.....	17.5
Gothenberg	.....	T.	1.5	4.5	9.0	4.0	1.0	4.0	.....	24.0
Grand Island	.....	T.	.....	4.0	19.0	12.0	2.0	T.	T.	37.0
Greeley	(*)	T.	2.0	7.5	(*)	4.3	0.2	(*)	(*)	.....
Gresham	.....	0.5	.....	5.0	5.3	(*)	0.7	(*)	(*)	.....
Guide Rock	.....	1.5	.....	2.5	9.0	10.0	0.2	.....	.....	23.2
Haigler	(*)	(*)	.....	4.0	5.0	4.5	T.	5.0	.....	18.5
Halsey	(*)	0.2	0.8	8.0	2.5	2.0	2.5	5.0	2.0	23.0
Hardy	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Harrison	(*)	2.0	.....	9.5	10.0	6.0	5.5	45.0	3.5	81.5
Hartington	(*)	0.5	3.0	10.5	12.5	8.0	7.0	T.	(*)	41.5
Hastings	.....	0.2	T.	4.0	15.5	13.0	T.	T.	.....	29.1
Hayes Center	(*)	4.0	1.0	2.5	9.5	16.0	1.5	13.0	.....	47.5
Hay Springs	.....	4.5	1.5	7.5	6.0	6.7	4.0	33.5	0.5	64.2
Hebron	.....	0.5	0.2	2.0	7.0	8.2	0.2	3.5	.....	21.6
Hemingford	(*)	(*)	(*)	(*)	.....	3.3	T.	.....	T.	.....
Hershey	.....	0.1	0.5	2.8	7.0	3.7	0.3	15.0	T.	29.4
Hillside	(*)	0.9	0.4	3.0	4.4	3.1	T.	14.7	1.0	27.5
Holdrege	(*)	.....	0.5	1.0	15.5	8.5	.....	3.0	.....	28.5
Hull	.....	8.0	1.0	9.0	9.0	10.0	4.0	20.0	4.0	65.0
Imperial	.....	1.5	0.2	5.5	10.5	9.0	T.	7.0	.....	33.7
Kearney	.....	1.0	2.0	5.0	10.0	9.0	1.0	.....	.....	28.0
Kimball	.....	1.5	1.0	5.0	9.5	5.0	3.0	14.0	.....	39.0
Kirkwood	(*)	2.0	T.	4.0	9.0	6.0	3.0	2.5	.....	26.5
Kola	(*)	1.0	2.0	4.5	(*)	(*)	(*)	.....	.....	.....
Kowanda	.....	2.3	0.3	.....	4.0	(*)	0.2	9.5	(*)	.....
Lexington	(*)	T.	T.	2.0	10.0	8.0	.....	T.	.....	20.0
Lincoln	.....	0.2	0.5	3.5	7.4	10.8	0.3	1.2	.....	23.9
Lodgepole	.....	T.	T.	3.0	5.0	2.0	1.0	14.0	T.	25.0
Long Pine	(*)	1.0	1.0	(*)	4.0	5.0	3.0	4.5	(*)	.....
Loup City	(*)	(*)	0.5	1.0	5.0	2.5	.....	T.	(*)	9.0
McCook	.....	(*)	.....	2.1	6.5	8.8	T.	.....	.....	17.4
McCool Junction	(*)	T.	.....	5.0	14.0	12.0	1.0	1.0	.....	33.0
Madison	(*)	T.	2.0	8.0	10.5	7.5	1.5	0.5	.....	30.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nebraska—Continued.										
Madrid	.....	2.2	0.2	2.1	8.2	5.0	T.	13.0	T.	30.7
Marquette	.....	0.5	0.5	4.5	7.5	8.0	1.6	T.	.....	22.6
Mary	.....	1.0	3.2	5.8	6.6	5.8	4.0	6.0	1.0	33.4
Mason City	(*)	(*)	2.0	.....	13.0	5.0	1.0	1.0	(*)	22.0
Melbeta	(*)	0.8	.....	6.0	8.0	4.0	3.0	25.0	(*)	46.8
Merriman	.....	1.0	0.5	9.2	6.5	4.0	2.0	14.5	0.5	38.2
Minden	(*)	T.	0.2	1.4	8.7	6.0	T.	T.	.....	16.3
Mitchell	.....	0.1	T.	4.0	8.0	2.3	T.	15.0	(*)	29.4
Nebraska City	(*)	0.5	T.	4.5	6.0	10.5	T.	5.2	(*)	26.7
Neligh	(*)	(*)	(*)	(*)	(*)	(*)	(*)	T.	.....	.....
Menzel	.....	2.0	.....	(*)	8.0	5.0	3.8	6.5	(*)	.....
Norfolk	.....	T.	3.2	7.0	8.7	7.5	2.5	T.	.....	28.9
North Loup	(*)	T.	3.5	3.5	10.8	5.4	2.0	T.	.....	25.2
North Platte	.....	0.4	2.2	3.0	5.3	1.7	0.6	5.4	T.	18.6
Oakdale	.....	0.2	2.1	3.7	7.0	5.5	2.7	1.0	.....	22.2
Ogallala	(*)	(*)	(*)	T.	9.0	T.	.....	7.0	(*)	.....
Omaha	.....	0.1	0.5	6.8	7.0	10.5	0.8	0.6	.....	26.3
O'Neill	(*)	.....	1.0	3.2	5.4	6.5	(*)	(*)	(*)	.....
Ord	(*)	T.	4.0	7.3	5.5.	5.0	0.6	.....	.....	22.4
Orleans	(*)	1.0	1.0	(*)	7.4	6.0	1.0	3.0	.....	.....
Osceola	(*)	(*)	0.5	5.0	6.5	10.5	1.5	3.0	.....	27.0
Oshkosh	.....	.....	T.	5.5	10.0	4.5	T.	15.5	.....	35.5
Palisade	(*)	0.4	.....	3.0	8.5	11.2	0.2	7.0	.....	30.3
Pawnee City	.....	1.5	.....	1.5	4.0	7.3	0.0	6.0	.....	20.3
Paxton	.....	0.2	0.2	1.3	11.6	3.7	T.	3.0	.....	20.0
Plainview	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Plattsmouth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	(*)	.....
Purdum	(*)	0.3	0.5	9.3	7.5	4.1	3.0	10.3	4.0	39.0
Ravenna	.....	0.2	4.5	3.2	11.5	4.7	1.0	T.	T.	25.1
Red Cloud	.....	0.5	.....	2.3	7.9	5.3	T.	1.0	.....	17.0
Saint Libory	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Saint Paul	.....	T.	3.0	1.5	8.3	3.6	1.0	4.0	.....	21.4
Sante	.....	T.	2.0	4.8	7.0	(*)	2.8	1.2	(*)	.....
Schuyler	.....	T.	T.	3.5	10.5	5.0	T.	3.5	.....	22.5
Scottsbluff	(*)	0.5	T.	6.1	6.4	2.0	0.4	22.7	T.	38.1
Seward	.....	0.2	T.	5.5	9.2	15.0	1.0	T.	.....	30.9
Sidney	(*)	1.5	T.	6.0	4.7	5.0	0.6	16.0	.....	33.8
Springfield	.....	0.1	0.5	5.3	9.2	9.4	.....	T.	.....	24.5
Stanton	.....	T.	2.0	6.2	10.3	10.0	.....	2.0	.....	30.5
Stapleton	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Stratton	(*)	.....	T.	(*)	9.0	6.0	.....	2.0	.....	.....
Syracuse	(*)	1.0	T.	6.5	8.5	14.3	T.	8.0	.....	38.3
Table Rock	.....	3.0	.....	2.0	5.0	7.0	T.	9.0	.....	26.0
Tecumseh	.....	.....	T.	.....	3.9	4.5	T.	8.7	.....	17.1
Tekamah	.....	0.5	2.5	5.0	17.5	11.0	1.0	2.0	.....	34.5
University Farm	(*)	0.4	0.5	T.	.....	.....	.....	2.5	.....	3.4
Upland	.....	T.	T.	2.0	8.0	7.0	.....	.....	.....	17.0
Utica	.....	T.	.....	4.0	3.8	7.3	2.5	0.5	(*)	18.1
Valentine	.....	0.4	T.	4.4	7.4	2.2	4.5	5.2	T.	24.1
Wahoo	.....	T.	.....	4.0	16.0	11.0	T.	(*)	.....	31.0
Wakefield	.....	(*)	(*)	(*)	7.5	6.0	3.0	0.5	.....	.....
Walthill	.....	T.	2.5	10.0	7.5	2.0	2.0	T.	.....	24.0
Watertown	(*)	T.	1.0	4.0	10.0	6.0	T.	.....	.....	21.0
Wauneta	(*)	0.5	T.	3.0	10.5	4.0	.....	8.0	.....	26.0
Weeping Water	.....	0.8	T.	5.4	5.6	11.6	T.	3.7	.....	27.1
West Point	(*)	T.	2.0	7.0	29.0	17.0	2.0	4.0	.....	61.0
Whitman	(*)	2.0	(*)	5.5	7.0	7.0	4.5	(*)	(*)	.....
Wisner	(*)	T.	2.0	6.0	19.0	9.0	.....	2.0	.....	38.0
York	.....	0.2	T.	5.0	12.0	10.5	2.5	1.0	.....	31.2
Nevada.										
Arthur	.....	.....	1.0	(*)	22.2	26.3	4.7	T.	.....	.....
Austin	.....	.....	2.9	.....	15.0	23.0	0.9	8.4	19.0	69.2
Battle Mountain	.....	.....	.....	.....	0.4	(*)	.....	.....	.....	.....
Beatty	(*)	(*)	.....	.....	.....	.....	.....	.....	.....	.....
Beowawe	.....	.....	.....	0.2	5.4	8.7	2.0	0.7	.....	17.0
Clover Valley	.....	.....	.....	.....	(*)	10.0	.....	.....	.....	.....
Duck Flat	.....	.....	.....	.....	.....	7.0	(*)	.....	.....	.....
Elko	.....	.....	T.	T.	3.0	5.5	.....	.....	.....	8.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nevada—Continued.										
Eureka			4.0	4.0	14.0	23.0	3.2	7.2	4.0	59.4
Fallon					0.8	0.8	0.5	2.5		4.6
Francis			T.		1.3	(*)	10.2	1.0	T.	
Franktown	(*)	(*)	(*)	(*)	(*)	34.0	17.0	(*)	(*)	
Gardnerville			2.0		T.	23.3	15.0	T.	T.	40.3
Gerlach						3.0	3.2	1.0		7.2
Golconda				T.	2.0	(*)	3.0	0.5		
Gold Creek			(*)	6.0	46.0	12.0	(*)	(*)	(*)	
Goldfield			T.		0.4	5.5	T.		T.	5.9
Hylton			T.	1.0	12.0	15.0	5.0	3.0		36.0
Imlay						2.0	1.2			3.2
Indian Springs	(*)				(*)	(*)	(*)	(*)	(*)	
Jungo	(*)	(*)	(*)		1.0	3.2	2.0			
Lahontan										0.0
Lamoille			(*)	T.	12.3	48.5	(*)	(*)	T.	
Las Vegas										0.0
Logandale										0.0
Lovelock					(*)	T.				
McDermitt				T.	(*)	(*)	(*)			
McGill			3.7	T.	6.5	20.9	9.7	2.5	6.3	49.6
Mahoney Ran. Sta				(*)	22.5	(*)	7.0	1.0	8.0	
Marlette lake			14.5	11.5	13.0	85.0	70.5	6.5	1.0	202.0
Metropolis			1.0	0.5	2.5	12.0	T.	T.	2.0	18.0
Millett					4.0	7.5				11.5
Mina					T.	4.0				4.0
North Fork			6.5	5.0	6.0	8.0	5.0		6.0	36.0
Oasis Ranch					T.	13.0	T.			13.0
Owyhee	(*)	(*)	2.1	T.	21.5	15.5	7.0	0.5	(*)	
Pahrump	(*)	(*)	(*)	(*)		3.0		(*)		
Paradise Valley					7.2	8.2	3.0	0.7		19.1
Pioche			(*)	T.	(*)	(*)	(*)	(*)	(*)	
Potts	T.		4.0	5.0	4.0	8.0	2.5	6.0	2.0	31.5
Quinn River Ranch					(*)	1.5	(*)			
Rebel Creek					0.7	11.5	9.2			21.4
Reno				T.	0.1	13.7	20.1	1.7	T.	35.6
Sand Pass						3.8	6.5	T.		10.3
San Jacinto			T.	2.0	10.0	15.0	1.0	T.	4.0	32.0
Searchlight										0.0
Smith			2.0		1.3	5.0	3.0	1.5		12.8
Sulphur					(*)	0.9			T.	
Tecoma			0.5	1.0	7.0	12.0				20.5
Thorne	(*)	(*)			T.	(*)		(*)	(*)	
Tonopah			0.3		2.5	5.4	1.4	T.	2.5	12.1
Vya			2.0	1.0	2.2	9.0	12.0		0.2	26.4
Winnemucca				T.	5.9	4.1	3.7	0.3	T.	14.0
Yerington	(*)				0.6	4.2	3.2	T.		
New Hampshire.										
Alstead Center			6.0	37.0	37.0	16.0	21.0	7.0		124.0
Berlin			3.9	31.3	27.0	17.0	17.4	5.3		101.9
Bethlehem		1.5	4.8	21.5	18.0	7.5	12.8	3.0		69.1
Concord			4.4	22.2	17.3	14.8	15.3	10.2		84.2
Durham			3.5	12.0	9.6	9.0	9.0	6.0		49.1
Franklin			7.0	19.5	20.2	15.7	20.1	7.5		89.8
Glencliff		2.0	7.2	25.3	26.3	13.4	22.5	6.5		103.2
Grafton		(*)	(*)	(*)	(*)	(*)	(*)	(*)		
Hanover			5.2	21.9	19.9	11.8	16.1	8.8		83.7
Keene			2.0	20.8	21.0	12.2	14.5	7.0		79.5
Newton			2.0	8.5	13.0	16.5	17.5	8.0		65.5
Plymouth			8.0	21.5	19.3	17.0	15.5	9.0		90.3
New Jersey.										
Asbury Park			0.2	1.6	17.4	1.3	T.	2.2		22.7
Atlantic City			0.3	3.7	20.5	1.8	T.	T.		26.3
Belvidere			0.5	16.0	13.5	3.0	1.5	3.0		37.5
Bergen Point			T.	7.5	15.5	2.5	T.	5.0		30.5
Boonton			0.3	13.9	(*)	3.5	1.0	4.0		
Bridgeton			1.5	2.0	25.0	2.0		T.		30.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Jersey—Continued.										
Burlington	.....	.....	1.0	4.0	21.4	1.3	T.	1.1	.....	28.8
Cape May City	.....	.....	1.0	2.1	18.5	1.6	T.	.....	.....	23.2
Charlotteburg	.....	T.	1.2	22.0	(*)	(*)	2.0	2.0	.....	.....
Chatham	.....	.....	0.5	(*)	(*)	(*)	(*)	(*)	(*)	.....
Clayton	.....	.....	2.0	5.1	24.8	2.0	T.	T.	.....	33.9
Culvers Lake	.....	T.	0.5	17.3	21.5	5.8	5.1	9.5	.....	59.7
Dover	.....	.....	0.5	23.5	20.5	3.5	1.0	6.5	.....	55.5
Elizabeth	.....	.....	0.5	14.7	16.5	2.5	0.7	3.0	.....	37.9
Flemington	.....	.....	0.8	14.0	22.0	2.5	T.	4.0	.....	43.3
Hammonton	.....	.....	2.6	1.9	24.7	1.7	.....	1.0	.....	31.9
Highwood	.....	.....	0.3	15.4	13.6	5.2	1.3	1.8	.....	37.6
Imlaystown	.....	.....	T.	5.2	18.9	2.0	(*)	4.0	.....	.....
Indian Mills	.....	.....	2.0	4.7	27.0	2.5	T.	T.	.....	36.2
Jersey City	.....	.....	0.3	12.6	16.1	3.5	1.6	4.5	.....	38.6
Lakewood	.....	.....	0.7	5.0	20.2	2.0	T.	1.0	.....	28.9
Lambertville	.....	.....	(*)	(*)	(*)	2.3	T.	5.0	.....	.....
Layton	.....	.....	0.5	22.4	20.9	4.6	4.5	4.5	.....	57.4
Little Falls	.....	.....	0.4	17.9	16.8	3.1	(*)	2.0	.....	.....
Long Branch	.....	.....	0.1	4.2	22.4	2.5	T.	1.0	.....	30.2
Moorestown	.....	.....	0.2	4.7	22.5	1.2	T.	1.0	.....	29.6
Newark	.....	.....	0.2	23.5	16.3	2.5	1.2	4.5	.....	48.2
New Brunswick	.....	.....	0.5	13.9	16.7	2.3	0.8	2.5	.....	36.7
Newton	.....	(*)	0.2	21.5	19.2	(*)	2.2	7.5	.....	.....
Northfield	.....	.....	1.2	2.9	21.5	1.4	.....	.....	.....	27.0
Palisades Park	.....	.....	0.4	15.4	18.8	4.3	0.8	5.5	.....	45.2
Paterson	.....	.....	0.5	17.5	11.2	5.7	1.0	1.5	.....	37.4
Phillipsburg	.....	.....	1.0	18.8	18.3	3.6	1.6	5.0	.....	48.3
Plainfield	.....	.....	0.5	21.0	(*)	(*)	(*)	(*)	(*)	.....
Pompton Plains	.....	.....	T.	21.0	17.5	3.5	3.0	2.0	.....	47.0
Sandy Hook	.....	.....	0.2	3.8	9.4	2.1	T.	0.9	.....	16.4
Somerville	.....	.....	0.5	13.2	13.7	1.7	0.3	1.5	.....	30.9
South Orange	.....	T.	0.2	19.8	16.2	2.2	T.	4.5	.....	42.9
Trenton	.....	.....	0.3	6.2	19.3	1.9	0.1	0.7	.....	28.5
Tuckerton	.....	.....	2.0	5.0	25.2	2.0	T.	T.	.....	34.2
Vineland	.....	.....	1.0	(*)	(*)	2.0	T.	T.	.....	.....
Woodbine	.....	.....	1.4	3.0	18.2	2.0	.....	(*)	.....	.....
New Mexico.										
Abbott	.....	0.8	.....	T.	12.0	4.0	13.0	1.0	4.0	34.2
Agricultural College	.....	.....	.....	.....	4.2	.....	.....	.....	.....	4.2
Alamogordo	.....	.....	.....	.....	11.0	0.3	.....	.....	.....	11.3
Alamogordo (2)	.....	.....	.....	.....	8.8	0.2	T.	.....	.....	9.0
Alamos Ranch	(*)	(*)	(*)	(*)	24.0	5.0	(*)	(*)	(*)	.....
Albuquerque	.....	.....	.....	.....	1.9	T.	.....	T.	T	1.9
Alma	.....	.....	.....	.....	2.0	2.0	T.	.....	.....	4.0
Ancho	.....	.....	.....	T.	10.7	4.0	2.0	.....	.....	16.7
Anchor Mine	.....	2.5	8.5	6.0	43.5	46.5	44.0	33.0	21.0	205.0
Aragon	.....	.....	.....	.....	29.0	(*)	3.5	.....	.....	.....
Artesia	.....	.....	.....	.....	11.0	.....	.....	.....	.....	11.0
Aspen Grove Ranch	.....	T.	.....	1.5	31.0	25.0	13.3	3.8	5.7	80.3
Aurora	.....	.....	.....	.....	29.0	16.0	23.0	8.0	2.0	78.0
Aztec	.....	.....	.....	.....	7.5	3.0	T.	.....	T.	10.5
Baca Ranch Ranger Station	.....	.....	.....	.....	10.1	1.0	1.5	.....	.....	12.6
Baldwin Ranger Station	(*)	(*)	(*)	(*)	(*)	(*)	(*)	0.4	.....	.....
Barton	.....	.....	.....	.....	13.0	6.0	9.0	0.5	.....	28.5
Bateman's Ranch	.....	T.	T.	0.5	37.3	18.5	30.9	5.7	3.0	95.9
Bell Ranch	.....	1.0	.....	.....	3.5	0.8	.....	T.	.....	5.3
Black Lake	.....	0.5	.....	0.5	23.0	18.5	19.5	4.7	.....	66.7
Blackrock	.....	.....	.....	0.2	19.7	4.0	0.2	1.5	T.	25.6
Bland (near)	.....	.....	T.	.....	20.5	6.5	6.0	6.0	T.	39.0
Block Ranch Ranger Station	.....	.....	0.1	.....	15.5	3.0	1.0	3.0	.....	22.6
Bloomfield	.....	.....	.....	.....	8.9	4.5	2.0	T.	.....	15.4
Bluewater	.....	(*)	(*)	0.5	11.1	1.0	1.0	.....	.....	.....
Boaz	.....	.....	.....	.....	4.0	.....	.....	.....	.....	4.0
Buchanan	.....	.....	.....	T.	7.5	1.0	.....	T.	.....	8.5
Burrachi Ranger Station	(*)	(*)	(*)	(*)	(*)	8.0	(*)	(*)	.....	.....
Cabeza	.....	2.0	.....	2.0	10.0	4.0	2.0	2.0	.....	22.0
Cambray	.....	.....	.....	.....	9.0	0.5	.....	.....	.....	9.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico—Continued.										
Campana	.....	1.0	.....	1.0	6.5	1.0	.....	4.0	.....	13.5
Canyon de Chama	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Capitan	.....	.....	T.	.....	22.5	1.8	.....	T.	.....	24.3
Capulin Ranger Station	.....	.....	0.2	.....	16.3	9.0	13.0	T.	1.5	40.0
Carlsbad	.....	.....	.....	.....	8.5	.....	.....	.....	.....	8.5
Carrizozo	.....	.....	.....	.....	11.5	1.0	.....	.....	.....	12.5
Carson Seep Ranger Station	.....	.....	.....	.....	24.0	0.5	1.0	T.	.....	25.5
Chacon	.....	T.	.....	0.5	34.0	10.0	13.0	4.0	.....	61.5
Chama	.....	.....	T.	T.	44.0	22.0	(*)	4.0	2.0	.....
Cimarron (near)	.....	2.0	T.	0.8	18.8	10.0	17.0	T.	.....	48.6
Clayton	.....	0.5	4.0	1.0	7.5	4.0	11.0	1.0	4.0	33.0
Cloudcroft	.....	.....	.....	.....	53.0	16.0	10.0	T.	T.	79.0
Cloverdale	.....	.....	.....	.....	21.0	9.3	.....	.....	.....	30.3
Clovis	.....	.....	.....	.....	3.0	.....	.....	T.	.....	3.0
Columbus	.....	.....	.....	.....	7.5	4.0	.....	.....	.....	11.5
Corona	.....	.....	.....	.....	17.0	4.5	0.5	T.	.....	22.0
Costilla	.....	.....	.....	.....	(*)	(*)	(*)	(*)	(*)	.....
Crown Point	.....	.....	.....	.....	3.0	3.0	3.0	4.0	.....	13.0
Crozier	.....	.....	.....	.....	3.0	(*)	.....	.....	.....	.....
Cuervo	.....	T.	.....	0.5	6.0	2.0	3.0	3.0	.....	14.5
Cundiyo	.....	.....	.....	.....	4.7	.....	.....	.....	.....	4.7
Dawson	.....	.....	.....	.....	39.0	6.0	5.5	.....	4.0	54.5
Deming	.....	.....	.....	.....	(*)	.....	.....	.....	.....	.....
Demonstration Farm	.....	T.	1.0	.....	20.5	3.5	3.5	3.2	T.	31.7
Des Moines	.....	2.0	6.0	1.5	6.0	11.5	15.0	T.	T.	42.0
Dulce	(*)	(*)	(*)	.....	24.2	10.5	2.0	2.0	.....	.....
Duran	.....	.....	.....	.....	14.0	5.0	1.0	4.0	.....	24.0
Eagle Rock Ranger Station	.....	0.5	0.5	0.5	22.5	6.0	14.0	(*)	.....	.....
Elephant Butte Dam	.....	.....	.....	.....	0.4	T.	.....	.....	.....	0.4
Elida	.....	.....	.....	.....	3.2	.....	.....	.....	.....	3.2
Elizabethtown	.....	T.	T.	T.	27.2	17.2	27.0	2.3	0.8	74.5
Espanola	.....	.....	.....	.....	5.9	6.0	9.0	5.0	.....	25.9
Estancia	.....	.....	.....	.....	12.0	1.5	6.0	.....	.....	19.5
Farmington	.....	.....	.....	.....	(*)	(*)	T.	.....	.....	.....
Felix	.....	.....	.....	.....	10.0	.....	.....	.....	.....	10.0
Fort Bayard	.....	.....	.....	.....	11.0	3.2	.....	T.	.....	14.2
Fort Stanton	.....	.....	.....	.....	13.0	0.9	T.	T.	.....	13.9
Fort Sumner	.....	.....	.....	.....	3.0	T.	T.	T.	.....	3.0
Fort Union	.....	2.0	T.	T.	5.5	6.0	6.0	2.2	.....	21.7
Fruitland	.....	.....	.....	.....	7.5	0.2	.....	.....	.....	7.7
Gage	.....	.....	.....	.....	2.5	T.	.....	.....	.....	2.5
Gallinas Planting Station	.....	0.2	T.	.....	17.4	12.0	8.7	8.0	T.	46.3
Gallinas Ranger Station	.....	.....	.....	.....	19.0	3.0	1.0	1.0	.....	24.0
Gila	(*)	(*)	(*)	(*)	T.	T.	.....	.....	.....	.....
Gila Planting Station	.....	.....	.....	.....	19.5	5.5	2.0	T.	.....	27.0
Glorieta Ranch	.....	.....	.....	.....	6.0	7.0	4.0	0.5	.....	17.5
G. O. S. Ranch	.....	.....	.....	.....	13.8	(*)	1.6	0.2	.....	.....
Hachita	.....	.....	.....	.....	5.5	6.0	T.	.....	.....	11.5
Harvey's Upper Ranch	T.	3.0	.....	.....	34.0	12.6	17.7	19.5	4.5	91.3
Hayden (near)	.....	0.2	.....	T.	3.8	0.5	T.	1.0	T.	5.5
Haynes	.....	.....	.....	.....	26.5	5.5	2.5	.....	.....	34.5
Hermanes	.....	.....	.....	.....	11.0	3.0	.....	.....	.....	14.0
Hermosa	.....	.....	.....	.....	11.0	13.0	4.0	.....	.....	28.0
Hobbs	.....	.....	.....	.....	7.5	.....	.....	.....	.....	7.5
Hollene	.....	.....	T.	0.5	(*)	(*)	(*)	(*)	(*)	.....
Hondo Reservoir	.....	.....	.....	.....	4.8	(*)	T.	.....	.....	.....
Hood Ranger Station	.....	.....	.....	.....	9.5	6.0	.....	.....	.....	15.5
Hoosier Ranch	.....	T.	.....	T.	4.0	1.5	4.0	T.	.....	9.5
Ingleville	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Ione	.....	T.	.....	.....	2.4	T.	.....	T.	T.	2.4
Jemez Springs	.....	.....	.....	.....	18.0	3.7	5.5	3.5	.....	30.7
Johnson's Park	(*)	(*)	T.	.....	(*)	.....	(*)	(*)	(*)	.....
Kappus	6.0	1.0	2.0	.....	(*)	(*)	.....	.....	.....	.....
Kingston Ranger Station	.....	.....	.....	.....	9.0	8.0	4.0	.....	.....	21.0
Knowles (near)	.....	.....	.....	.....	5.3	T.	.....	.....	.....	5.3
Laguna	(*)	(*)	(*)	.....	6.0	(*)	(*)	(*)	(*)	.....
Lagunita	.....	.....	.....	T.	7.5	T.	0.2	1.0	.....	8.7
Lake Alice (near)	.....	1.0	6.0	5.0	13.0	8.0	27.0	6.0	T.	66.0
Lake Avalon	.....	.....	.....	.....	5.3	.....	.....	.....	.....	5.3

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico—Continued.										
Lake Valley					6.5	4.5	4.0			15.0
Lakewood (near)					(*)					
Lanark					3.5	0.5	0.5			4.5
Las Vegas		0.8			20.7	2.2	1.5	1.5		26.7
Logan					(*)	(*)				
Lordsburg					(*)	2.8				
Los Lunas (near)					3.0					3.0
Loving	(*)	(*)		(*)	10.4					
Luna					28.0	(*)	(*)	(*)		
Magdalena	(*)	(*)	(*)	(*)	(*)	1.5	T.	0.5		
Maxwell (near)		1.0			4.0	2.0	9.0			15.0
Mayhill Ranger Station					25.0	3.0	T.	T.		28.0
Meek					24.0	4.0	2.0	6.0		36.0
Melrose					5.2					5.2
Miami Ranch		2.2		2.0	10.4	10.0	(*)	(*)		
Mills (No. 1)		2.0			(*)	3.5	14.0	2.2		
Mills (near)		T.		1.0	6.0	3.0	9.0	3.0	T.	22.0
Mimbres					20.0	12.0	3.0			35.0
Mineral Hill		1.0	T.		24.0	5.0	8.0	11.0	T.	49.0
Mogollon Ranger Station					15.0	12.0	20.0	1.0		48.0
Montoya		T.		1.0	3.0	3.0	0.5	1.5		9.0
Moriarty					9.5	3.0	T.	1.0		13.5
Mosquero		0.5		0.5	3.0	2.5	1.0	3.5		11.0
Mountainair					17.0	(*)	(*)	(*)	(*)	
Mountain Park					27.5	5.5	5.5	T.		38.5
Nara Visa		0.2		T.	2.0	T.				2.2
Newman			T.		4.0					4.0
Nogal (near)			T.		48.0	5.0	4.0	5.0		62.0
Noria					5.0	1.0				6.0
Orogrande					1.0	T.				1.0
Oscura (No. 1)					(*)	0.8				
Oscura (No. 2)					8.8	0.8				9.6
Palma		T.			14.1	1.0	0.1	6.0		21.2
Palo Verde		1.5		1.2	6.6	3.1	9.8	2.0	0.2	24.4
Pasomonte					5.0	3.0	7.0			15.0
Pastura				T.	6.5	T.				6.5
Pearl					9.0					9.0
Pecos					32.5	(*)	(*)	(*)	(*)	
Pinon (near)	(*)	(*)	(*)	(*)	20.5	1.8	T.	T.		
Pinos Altos					37.0	15.0	9.0	2.0		63.0
Pleasant View				1.0	5.0	1.0	8.0			15.0
Portales (near)				T.	3.5					3.5
Quemado			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Raton (near)		0.5	2.0	1.5	9.2	6.0	(*)			
Red River Canyon		2.0	3.0	T.	44.5	31.0	33.0	10.0	5.0	128.5
Redrock					(*)	4.0				
Regina			T.		26.0	10.0	(*)		T.	
Richland (near)				T.	3.0					3.0
Rincon					3.0					3.0
Rociada					28.0	12.0	15.0	20.0	2.0	77.0
Rodeo					T.	T.				T.
Rio Grande Industrial School					3.4	T.				3.4
Rosedale					11.0	10.0	2.0			23.0
Roswell					7.4		T.			7.4
Roy		2.0		1.0	5.9	4.0	14.0	4.5		31.4
Saint Vrain (near)				T.	1.7	T.		T.		1.7
San Antone Ranger Station	T.	T.	T.	T.	22.5	8.5	11.0	T.	1.0	43.0
San Jon		T.		1.0	3.0	T.	T.	T.		4.0
San Marcial					(*)					
Santa Fe				0.7	22.7	1.7	7.3	7.3	T.	39.7
Santa Rosa (No. 2)				T.	3.0		T.	2.0		5.0
Schuster Springs Ranger Station				1.0	30.0	11.0	4.5		T.	46.5
Senorito (near)			T.		34.0	10.0	11.5	8.0	1.0	64.5
Silver City					16.7	9.7	4.6	0.2		31.2
Skeleton Canyon Ranger Station					16.0	14.0				30.0
Socorro					T.					T.
Soham		T.			14.8	1.8	8.0	4.0		28.6
Solano (No. 1)				T.	6.0	4.0	5.0	4.0		19.0
Solano (No. 2)		0.5		1.0	7.0	3.0		3.5		15.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico—Continued.										
Springer		1.0		0.5	9.2	4.0	5.0	0.5		20.2
Stanley					5.0	2.0	(*)			
Tajique (near)		(*)	(*)	(*)	(*)	(*)	29.0	18.0		
Taos		T.			17.8	2.0	T.	T.	T.	19.8
Taos Canyon		0.8	T.	0.5	28.2	18.5	28.0	8.5	0.2	84.7
Taos Junction			T.	(*)	12.0	(*)	(*)	(*)	(*)	
Taylor		1.0			8.5	3.0	2.5			14.0
Tecolote					24.0	4.0	3.0			31.0
Texico (near)					3.6					3.6
Three Rivers					11.0	0.5	T.			11.5
Tijeras Canyon					16.5	3.5	10.0	T.		30.0
Tohatchi	(*)	(*)	(*)		8.5	0.5		4.2		
Torrance					15.5	2.7	2.0	1.0		21.2
Trementina					4.5	1.5		T.		6.0
Tres Piedras	T.	T.	0.5	0.5	14.2	10.0	4.0	T.	T.	29.2
Trujillo (near)					(*)	(*)	6.0	T.		
Truchas			T.	T.	27.0	4.0	5.0	15.0	2.0	53.0
Turney's Ranch					9.0					9.0
Tucumcari (near)		T.		T.	3.8	0.2		T.		4.0
Tucumcari		T.			1.8	0.2		T.		2.0
Tularosa					10.5	T.	T.			10.5
Tyrone					5.0	6.5	0.5			12.0
Valmora		2.5	T.	4.1	16.3	4.0	4.5			31.4
Vance (near)		T.	T.	T.	5.5	3.0	3.0	2.0		13.5
Vaughn					7.0	0.5	3.0	3.0		13.5
Vermejo Park		2.5	T.	4.0	17.2	7.0	(*)	T.	T.	
Virsylvia	(*)	(*)	(*)	(*)	(*)	(*)	(*)	T.	T.	
Wagon Mound		1.0		(*)	8.0	6.9	4.0	T.		
Weed Ranger Station					25.2	5.4	0.8			31.4
White Tail			T.	T.	29.3	5.2	2.0	4.0		40.5
Willard (near)					9.9	2.0	3.0	T.		14.9
Winsor's Ranch			6.0	T.	33.6	4.0	13.0	8.0	1.0	65.6
Mescalero					Record began.			T.		
San Mateo					Record began.			1.5	T.	
Plainview					Record began in May.					
New York.										
Adams Center		3.0	18.0	52.0	59.5	29.0	23.0	14.0	0.2	198.7
Addison		T.	0.3	15.0	12.7	0.7	2.8	17.9		49.4
Albany			0.5	12.6	13.0	3.2	8.4	2.6		40.3
Alfred		12.8	3.5	17.6	17.2	3.6	6.5	13.5	T.	74.7
Amsterdam		T.	2.0	17.0	10.0	8.0	9.0	6.0	(*)	
Angelica		T.	5.0	(*)	(*)	(*)	(*)	(*)	(*)	
Appleton		0.5	4.5	18.2	23.7	13.5	5.0	T.		65.4
Athens		T.	T.	16.0	18.0	4.0	9.0	8.5		55.5
Auburn		T.	6.6	27.0	16.1	8.6	6.2	4.1		68.6
Avon		T.	1.5	16.0	5.0	5.0	12.0	2.0		41.5
Babylon	(*)	(*)	(*)	(*)	(*)	3.0	(*)	(*)		
Bainbridge		T.	1.2	14.9	18.3	1.6	9.4	11.0		56.4
Ballston Lake		T.	1.0	21.9	13.4	6.7	10.9	3.8		57.7
Bedford Hills			T.	(*)	(*)	(*)	(*)	(*)		
Beerston		0.8	T.	17.0	23.0	4.5	9.5	7.0		61.8
Binghamton		0.2	1.1	17.6	23.1	1.4	4.9	12.7		61.0
Bolivar		4.0	6.0	21.5	35.0	4.5	4.5	10.5		86.0
Boyds Corners (no record).										
Brockport		1.0	9.5	41.0	26.5	16.5	20.0	0.5		115.0
Buffalo		4.5	8.4	37.1	40.8	6.8	10.4	2.5		110.5
Canisius College	(*)		(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Canton		0.1	12.0	19.2	22.3	16.5	15.0	4.0		89.1
Carmel			0.5	15.4	15.5	6.0	9.5	3.2		50.1
Cazenovia		T.	8.5	43.5	32.5	14.5	11.0	9.0		119.0
Chatham		T.	1.0	14.5	19.0	6.5	11.5	8.0		60.5
Chazy			6.4	12.5	19.0	5.0	11.0	2.0		55.9
Cooperstown			2.6	21.5	27.6	(*)	(*)	10.2		
Corinth			2.5	24.0	22.0	11.0	18.0	3.5		81.0
Cortland			3.0	30.7	18.9	2.2	4.2	11.0		70.0
Cutchogue			0.5	6.0	10.0	4.0	3.0	2.0		25.5
Dannemora		T.	13.9	19.2	36.5	(*)	36.0	12.1		

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New York—Continued.										
Dansville	.....	.....	0.6	(*)	(*)	(*)	(*)	12.0	.....	.....
De Ruyter	.....	T.	0.4	36.2	32.2	14.9	12.0	7.5	.....	103.2
Elba	.....	3.0	6.0	(*)	(*)	(*)	15.0	2.0	.....	.....
Elmira	.....	T.	0.4	18.7	14.5	1.2	2.6	20.0	.....	57.4
Farmingdale	.....	.....	0.5	4.7	6.5	3.0	(*)	(*)	.....	.....
Fayetteville	.....	T.	3.0	42.0	24.0	9.5	3.0	6.0	.....	87.5
Fishs Eddy	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Flushing	.....	.....	0.5	9.7	12.3	3.9	0.2	1.4	.....	28.0
Fredonia	.....	0.2	6.9	13.6	16.3	6.4	8.1	8.2	.....	59.7
Gabriels	.....	T.	13.2	17.5	17.5	14.1	24.9	5.6	.....	92.8
Geneva	.....	T.	3.5	25.7	15.5	6.7	7.3	3.0	.....	61.7
Glens Falls (No. 1)	.....	.....	2.4	26.5	30.0	12.5	17.0	7.0	.....	95.4
Glens Falls (No. 2)	.....	.....	0.7	24.0	28.0	11.0	20.0	4.5	.....	88.2
Gloversville	.....	T.	4.3	22.5	28.0	21.0	18.0	7.0	.....	100.8
Greenfield Center	.....	.....	2.0	26.0	23.0	15.0	22.0	5.5	.....	93.5
Harkness	.....	T.	5.1	21.0	21.7	8.5	26.0	11.0	.....	93.3
Haskinville	.....	11.1	2.0	15.5	13.0	0.5	5.4	7.8	.....	55.3
Hemlock	.....	T.	4.0	8.5	9.5	2.5	4.5	3.6	.....	32.6
Homestead Sanatorium	.....	[d]0.4	3.3	17.9	25.8	18.2	12.5	2.5	.....	80.6
Hoosick Falls	.....	T.	2.5	12.5	22.5	21.0	(*)	(*)	(*)	.....
Hunt	.....	4.0	2.0	11.0	8.0	2.0	3.0	13.0	.....	43.0
Indian Lake	.....	0.8	3.8	18.9	28.8	11.8	10.0	10.3	.....	84.4
Ithaca	.....	0.3	1.8	25.7	12.7	6.9	6.3	17.0	.....	70.7
Jamestown	.....	0.2	13.0	17.7	24.0	7.1	2.0	7.8	.....	71.8
Jeffersonville	.....	T.	1.0	14.0	15.0	8.5	8.0	6.0	.....	52.5
Keene Valley	.....	2.0	[e]3.5	(*)	(*)	(*)	(*)	(*)	.....	.....
Lake George	.....	.....	2.6	28.7	30.5	10.0	14.3	5.1	(*)	.....
Lake Grove	(*)	(*)	(*)	(*)	(*)	4.0	1.0	T.	.....	.....
Lake Placid Club	.....	2.0	7.9	19.0	29.7	10.0	17.0	18.0	T.	103.6
Lauterbrunnen	.....	3.0	2.0	16.0	15.0	3.4	7.7	10.0	.....	57.1
Liberty	(*)	(*)	(*)	14.2	(*)	(*)	(*)	(*)	.....	.....
Little Falls	.....	1.0	3.5	20.0	28.5	25.5	9.0	8.0	.....	95.5
Lockport	.....	0.5	3.0	22.0	14.5	8.0	6.9	T.	.....	54.9
Lowville	.....	T.	1.7	28.3	20.1	15.5	10.5	7.0	.....	83.1
Mechanicsville	.....	.....	1.0	12.0	16.1	4.8	11.3	1.0	.....	46.2
Medford	.....	.....	0.5	4.0	8.2	3.6	0.2	0.2	.....	16.7
Mohonk Lake	.....	.....	5.0	21.0	18.0	8.3	6.1	9.0	.....	67.4
Moira	.....	T.	15.0	18.0	36.0	27.6	17.0	7.5	.....	121.1
Morrisville	.....	.....	2.0	41.0	23.0	14.0	9.0	5.0	.....	94.0
Mount Hope	.....	.....	1.0	25.0	17.0	5.0	3.0	2.0	.....	53.0
Mount McGregor	.....	T.	1.0	27.0	13.0	7.0	14.0	5.5	.....	67.5
Mount Vernon	.....	.....	0.3	17.3	16.6	5.3	1.1	0.5	.....	41.1
Newark Valley	.....	[b]T.	2.5	31.5	21.0	3.5	7.0	18.0	.....	83.5
New Berlin	.....	T.	(*)	22.0	(*)	(*)	(*)	(*)	(*)	.....
New Lisbon	.....	T.	1.0	19.0	17.0	8.0	9.0	10.0	.....	64.0
New York City	.....	.....	0.3	11.7	13.6	3.5	0.6	2.6	.....	32.3
North Lake	.....	5.0	7.7	63.0	67.5	32.5	37.0	6.5	.....	219.2
Northville	.....	.....	3.2	33.0	26.5	18.0	16.5	3.0	.....	100.2
Norwich	.....	T.	2.0	27.0	24.0	8.0	8.5	10.0	.....	79.5
Ogdensburg	.....	T.	10.0	16.3	17.8	16.8	2.5	T.	.....	63.4
Olean	.....	3.0	3.0	(*)	14.8	3.6	5.5	8.5	.....	.....
Oneonta	.....	0.3	0.2	21.5	17.7	4.5	5.0	7.5	.....	56.7
Oswego	.....	T.	5.8	21.3	28.3	14.7	8.1	3.5	.....	81.7
Palermo	.....	T.	16.3	40.4	86.1	21.7	11.5	7.8	.....	183.8
Penn Yan	.....	T.	6.3	26.7	8.0	13.6	4.5	9.5	.....	68.6
Perrysburg	.....	10.5	6.5	20.5	21.5	12.0	9.0	5.0	.....	85.0
Philadelphia	.....	T.	6.5	35.5	53.0	18.0	19.0	9.0	.....	141.0
Port Jervis (No. 1)	.....	T.	0.3	21.5	21.3	2.0	5.5	2.3	.....	52.9
Port Jervis (No. 2)	.....	(*)	(*)	(*)	(*)	(*)	5.5	(*)	.....	.....
Raquette Lake	.....	5.0	12.8	36.6	32.2	22.9	21.9	11.4	0.4	143.2
Rhinebeck	.....	.....	0.2	18.3	19.6	6.5	6.0	7.0	.....	57.6
Rochester	.....	T.	7.9	29.7	17.2	12.7	10.5	1.3	.....	79.3
Rome	.....	T.	5.4	(*)	(*)	(*)	(*)	(*)	.....	.....
Romulus	.....	.....	6.0	15.5	10.5	7.0	8.0	9.0	.....	56.0
Roslyn	.....	.....	0.5	14.0	10.6	3.1	0.5	(*)	.....	.....
Roxbury	.....	2.5	1.0	24.0	25.4	6.3	11.7	8.5	.....	79.4
Salisbury	.....	1.0	6.0	29.0	24.0	20.0	13.0	6.0	.....	99.0
Scarsdale	.....	.....	0.2	19.5	15.0	5.2	1.5	1.5	.....	42.9
Setauket	.....	.....	0.5	5.5	6.5	2.0	1.0	2.5	.....	18.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New York—Continued.										
Sharon Springs (No. 1)	.....	T.	1.5	20.0	22.0	8.0	10.0	9.0	.....	70.5
Sharon Springs (No. 2)	.....	.....	2.0	20.0	31.0	10.0	14.0	12.0	.....	89.0
Sherburne	.....	T.	3.1	(*)	19.8	17.0	8.5	9.3	.....	.....
Shortsville	.....	.....	2.6	11.9	11.0	8.0	2.5	1.7	.....	37.7
Skaneateles	.....	.....	7.0	37.1	24.6	10.0	10.0	7.0	.....	95.7
Southampton	.....	.....	1.2	1.5	6.5	2.0	T.	(*)	.....	.....
Southeast Reservoir	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Spier Falls	.....	.....	1.4	29.9	18.9	12.4	15.5	1.7	.....	79.8
Syracuse	.....	T.	4.7	36.0	31.0	15.6	8.3	5.8	.....	101.4
Trenton Falls	.....	T.	7.7	33.0	11.0	6.0	3.0	3.0	.....	63.7
Tribes Hill	.....	.....	3.0	23.0	16.0	8.5	12.0	1.0	.....	63.5
Troy	.....	T.	1.0	15.9	12.0	4.5	10.5	2.5	.....	46.4
Utica	.....	.....	4.1	30.5	38.4	22.4	13.7	5.0	.....	114.1
Volusia	T.	12.0	5.0	24.0	21.0	4.0	9.0	5.0	.....	80.0
Wanakena	.....	.....	f0.5	21.2	38.5	28.0	17.5	(*)	.....	.....
Wappinger Falls	.....	T.	1.0	20.0	20.5	10.0	9.0	8.0	.....	68.5
Warwick	.....	T.	0.1	21.0	21.0	4.0	5.0	9.0	.....	60.1
Watertown	.....	T.	8.5	26.0	53.0	16.0	9.0	4.5	.....	117.0
Wedgwood	.....	1.0	2.5	13.0	20.5	2.8	8.0	20.5	.....	68.3
West Berne	.....	1.0	2.0	21.0	18.0	6.0	12.0	12.0	.....	72.0
Westfield	.....	2.0	1.5	25.0	12.0	8.0	8.0	7.0	.....	63.5
West Point	.....	.....	0.6	19.0	11.3	4.9	3.9	1.5	.....	41.2
York	.....	T.	4.5	18.0	8.1	7.3	8.5	4.0	.....	50.4
North Carolina.										
Albemarle	.....	.....	.....	7.2	4.2	.....	.....	.....	.....	11.4
Altapass	.....	T.	T.	12.5	16.0	0.5	T.	T.	.....	29.0
Andrews	(*)	(*)	(*)	(*)	(*)	(*)	.....	(*)	.....	.....
Asheville	.....	T.	T.	10.1	11.1	0.2	.....	0.1	.....	21.5
Banners Elk	.....	1.0	4.0	22.0	39.0	0.5	.....	1.0	.....	67.5
Beaufort	.....	.....	.....	6.0	(*)	.....	.....	.....	.....	.....
Belhaven	.....	.....	.....	3.0	1.5	.....	.....	.....	.....	4.5
Brevard	.....	T.	T.	20.0	8.0	T.	.....	.....	.....	28.0
Brewers	.....	.....	T.	13.0	8.0	0.5	.....	.....	.....	21.5
Bryson City	.....	.....	T.	8.0	23.5	T.	.....	.....	.....	31.5
Caroleen	.....	.....	.....	8.5	5.8	T.	(*)	(*)	.....	.....
Chapel Hill	.....	.....	.....	(*)	(*)	*)	(*)	T.	.....	.....
Charlotte	.....	.....	.....	6.8	1.5	T.	.....	.....	.....	8.3
Chimney Rock	.....	.....	.....	12.5	13.0	.....	.....	.....	.....	25.5
Cullowhee	.....	T.	0.2	11.0	11.3	T.	.....	T.	.....	22.5
Durham (near)	.....	.....	.....	18.5	4.5	.....	.....	T.	.....	23.0
Eagletown	.....	.....	T.	15.7	6.5	1.2	.....	T.	.....	23.4
Edenton	.....	.....	.....	15.0	5.0	.....	.....	.....	.....	20.0
Elizabeth City	.....	.....	.....	15.0	6.5	0.5	.....	.....	.....	22.0
Elizabethtown	.....	.....	.....	18.0	(*)	.....	.....	.....	.....	.....
Elkin	.....	.....	T.	13.0	12.5	0.5	.....	T.	.....	26.0
Ellijay	.....	.....	1.0	10.5	11.0	.....	.....	T.	.....	22.5
Enfield	.....	.....	.....	9.0	(*)	.....	.....	.....	.....	9.0
Fayetteville	.....	.....	.....	7.5	1.0	.....	.....	.....	.....	8.5
Goldsboro	.....	.....	.....	8.3	2.0	.....	.....	.....	.....	10.3
Gorge	.....	T.	T.	20.6	20.5	2.1	.....	0.2	.....	43.4
Graham	.....	.....	.....	12.0	6.7	0.5	.....	.....	.....	19.2
Greensboro	.....	.....	.....	9.0	4.0	.....	.....	.....	.....	13.0
Greenville	.....	.....	.....	8.0	4.0	.....	.....	.....	.....	12.0
Hatteras	.....	.....	.....	12.0	2.4	T.	.....	.....	.....	14.4
Henderson	.....	.....	.....	15.8	8.4	T.	.....	4.0	.....	28.2
Hendersonville	.....	.....	.....	(*)	10.5	T.	.....	.....	.....	.....
Hickory	.....	.....	.....	7.2	6.7	(*)	.....	.....	.....	.....
Highlands	.....	T.	0.5	9.2	10.7	T.	.....	T.	.....	20.4
Hot Springs	.....	T.	1.5	14.0	10.0	2.0	.....	T.	.....	27.5
Jefferson	.....	T.	T.	17.5	10.2	T.	.....	0.4	.....	28.1
Kinston	.....	.....	T.	7.5	5.0	.....	.....	.....	.....	12.5
Lenoir	.....	.....	.....	10.7	13.0	0.5	.....	.....	.....	24.2
Lillington	.....	.....	.....	7.0	5.0	.....	.....	.....	.....	12.0
Lincolnton	.....	.....	.....	6.1	7.5	T.	.....	.....	.....	13.6
Louisburg	.....	.....	.....	14.0	9.5	T.	.....	T.	.....	23.5
Lumberton	.....	.....	.....	4.0	1.0	.....	.....	.....	.....	5.0
Manteo	.....	.....	.....	10.0	(*)	.....	.....	.....	.....	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Carolina—Continued.										
Marion	.....	T.	.....	12.2	11.0	T.	.....	T.	.....	23.2
Marshall	.....	.....	0.5	7.7	9.7	.....	.....	T.	.....	17.9
Moncure	.....	.....	.....	7.9	6.8	.....	.....	T.	.....	14.7
Monroe	.....	.....	.....	7.5	2.0	.....	.....	.....	.....	9.5
Montreat	.....	T.	T.	15.0	10.5	.....	.....	T.	.....	25.5
Morganton	.....	.....	.....	13.0	11.8	0.2	.....	T.	.....	25.0
Mount Airy	.....	.....	.....	14.5	13.2	0.5	.....	.....	.....	28.2
Mount Holly	.....	.....	.....	8.0	7.0	.....	.....	.....	.....	15.0
Murphy	.....	.....	0.6	6.4	4.9	(*)	.....	T.	.....	.....
Nashville	.....	.....	T.	11.4	5.0	T.	.....	T.	.....	16.4
Neuse	.....	.....	.....	8.5	5.0	.....	.....	T.	.....	13.5
Newbern	.....	.....	.....	5.5	3.0	.....	.....	.....	.....	8.5
New Holland	.....	.....	.....	7.0	3.5	.....	.....	.....	.....	10.5
Parker	(*)	1.1	1.1	19.9	31.1	2.3	T.	2.8	.....	58.3
Pinehurst	.....	.....	.....	7.2	2.7	T.	.....	T.	.....	9.9
Raleigh	.....	.....	.....	9.7	5.7	T.	.....	T.	.....	15.4
Randleman	.....	.....	.....	11.0	6.5	T.	.....	.....	.....	17.5
Reidsville	.....	.....	.....	13.0	10.0	1.5	.....	1.0	.....	25.5
Rock House	.....	T.	0.5	11.4	10.1	T.	.....	0.2	.....	22.2
Rockingham	.....	.....	.....	(*)	6.0	.....	.....	.....	.....	.....
Rocky Mount	.....	.....	.....	10.0	4.5	T.	.....	T.	.....	14.5
Rougemont	.....	.....	.....	5.4	3.5	1.0	.....	T.	.....	9.9
Salisbury	.....	.....	.....	6.8	3.0	.....	.....	.....	.....	9.8
Sanatorium	.....	.....	.....	8.6	5.0	(*)	.....	.....	.....	.....
Scotland Neck	.....	.....	T.	11.7	3.5	1.0	.....	T.	.....	16.2
Settle	.....	.....	.....	9.1	10.0	0.5	.....	T.	.....	19.6
Siler City	.....	.....	.....	8.0	4.3	T.	.....	T.	.....	12.3
Sloan	.....	.....	.....	3.7	1.6	.....	.....	.....	.....	5.3
Smithfield	.....	.....	.....	8.0	6.0	.....	.....	T.	.....	14.0
Southern Pines	.....	.....	.....	9.2	3.8	.....	.....	.....	.....	13.0
Southport	.....	.....	.....	3.0	T.	.....	.....	.....	.....	3.0
Statesville	.....	.....	.....	11.0	6.0	.....	.....	.....	.....	17.0
Tarboro	.....	.....	.....	9.7	4.0	1.0	.....	.....	.....	14.7
Tryon	.....	.....	.....	10.8	6.0	.....	.....	.....	.....	16.8
Waynesville	(*)	T.	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Weldon	.....	.....	T.	12.5	16.3	2.5	.....	T.	.....	31.3
Wenona	.....	.....	(*)	5.6	4.8	.....	.....	.....	.....	.....
Willard	.....	.....	.....	4.7	3.0	(*)	.....	.....	.....	.....
Wilmington	.....	.....	.....	4.2	0.1	.....	.....	.....	.....	4.3
Wilson	.....	.....	T.	10.5	4.4	(*)	.....	.....	.....	.....
Winston-Salem	.....	.....	.....	10.7	8.0	.....	.....	T.	.....	18.7
North Dakota.										
Amenia	.....	3.0	2.0	(*)	(*)	(*)	(*)	(*)	.....	.....
Ashley	.....	3.0	2.0	16.0	9.0	4.0	9.0	1.0	.....	44.0
Beach	.....	1.5	0.2	3.3	(*)	2.0	T.	4.0	6.0	.....
Berthold Agency	.....	2.8	T.	5.6	5.0	1.5	1.5	4.0	.....	20.4
Bierman	.....	2.5	0.5	9.3	7.4	7.5	6.5	5.8	2.0	41.5
Bismarck	.....	2.2	T.	9.4	10.3	4.5	8.4	0.7	T.	35.5
Bowman	(*)	(*)	(*)	(*)	6.0	3.4	8.4	8.0	1.5	.....
Carson	.....	3.9	.....	8.4	6.0	1.4	7.7	7.0	1.0	35.4
Colgate	.....	2.0	2.0	4.5	1.7	0.2	0.5	T.	.....	10.9
Cooperstown	.....	4.0	3.0	8.0	3.0	T.	T.	0.5	.....	18.5
Crosby	.....	13.8	0.2	10.5	6.2	0.2	3.5	.....	1.0	35.4
Devils Lake	.....	7.3	5.0	10.0	2.8	2.0	T.	5.1	T.	32.2
Dickinson	.....	2.2	T.	9.0	2.8	2.6	3.5	5.6	2.0	27.7
Donnybrook	.....	(*)	1.0	5.5	3.0	T.	T.	T.	.....	.....
Dunseith	.....	(*)	(*)	4.3	0.8	3.0	T.	T.	1.0	.....
Eckman	.....	9.1	1.0	6.0	4.0	2.0	T.	1.0	T.	23.1
Ellendale	(*)	(*)	2.5	9.1	4.2	5.4	7.6	4.3	.....	.....
Epping	.....	9.5	0.5	8.2	9.0	4.0	3.5	0.5	.....	35.2
Fessenden	.....	3.5	1.8	9.8	4.2	1.0	1.0	6.0	.....	27.3
Forman	.....	4.0	1.0	3.0	0.8	1.0	8.0	.....	.....	17.8
Fullerton	.....	5.8	1.8	7.7	4.7	6.1	9.4	9.6	.....	45.1
Garrison	.....	7.5	1.3	10.6	4.5	2.0	5.0	4.0	.....	34.9
Grafton	.....	4.5	2.7	8.0	4.6	2.7	.....	0.7	1.0	24.2
Grand Forks	.....	6.6	2.4	12.9	5.0	2.6	.....	T.	.....	29.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Dakota—Continued.										
Grand Rapids	.....	3.0	1.0	1.5	5.0	0.5	5.5	T.	.....	16.5
Granville	.....	13.5	1.0	8.0	(*)	T.	0.5	3.0	T.	.....
Hannah	(*)	(*)	(*)	9.0	4.0	4.0	T.	T.	2.0	.....
Hansboro	.....	14.5	1.0	4.7	T.	0.2	T.	T.	T.	20.4
Hillsboro	.....	7.0	2.0	7.8	5.0	2.5	T.	T.	.....	24.3
Howard	.....	11.5	T.	7.2	5.0	T.	2.5	6.0	4.4	36.6
Jamestown	.....	6.0	3.0	4.5	3.5	1.0	5.0	T.	T.	23.0
Lakota	.....	20.0	4.0	18.0	13.0	4.0	T.	4.0	T.	63.0
Lamoine	.....	6.0	2.0	1.0	4.0	1.0	4.0	(*)	(*)	.....
Langdon	.....	14.5	1.0	2.5	4.0	2.0	.....	T.	T.	24.0
Larimore	.....	8.0	1.5	4.0	8.0	2.2	T.	.....	T.	23.7
Linton	.....	(*)	T.	3.5	(*)	(*)	(*)	2.0	T.	.....
Lisbon	.....	7.0	1.0	1.2	8.5	2.0	10.0	.....	.....	29.7
McClusky	.....	4.0	1.0	7.0	9.0	.....	5.0	4.0	.....	30.0
McHenry	.....	12.0	2.0	12.8	T.	T.	1.0	11.0	1.0	39.8
McKinney	.....	14.0	2.0	5.5	T.	T.	0.5	2.5	T.	24.5
McLeod	.....	8.5	2.0	4.0	11.0	2.0	2.0	T.	.....	29.5
Manfred	.....	7.5	2.0	7.2	5.5	1.4	1.5	6.0	.....	31.1
Marmarth	.....	3.3	1.5	12.9	10.8	6.5	7.0	9.4	3.7	55.1
Marstonmoor	.....	4.0	4.0	(*)	(*)	(*)	4.0	9.5	1.0	.....
Melville	.....	7.0	3.0	4.0	3.0	0.5	7.0	7.2	0.2	31.9
Milnor	.....	4.0	1.0	2.5	3.5	2.0	4.0	.....	.....	17.0
Minot	.....	12.5	3.5	9.5	4.2	1.8	0.5	3.0	.....	35.0
Mott	.....	2.0	.....	12.8	9.0	6.5	9.0	2.0	.....	41.3
Napoleon	.....	6.0	2.0	3.0	2.0	3.0	6.0	16.0	1.0	39.0
New England	.....	4.0	.....	9.0	(*)	(*)	6.0	3.0	T.	.....
New Salem	.....	4.5	.....	8.2	8.9	5.1	7.5	.....	0.5	34.7
Orange	.....	4.0	.....	6.0	5.0	6.0	9.0	3.0	.....	33.0
Park River	.....	(*)	4.0	8.8	0.5	T.	.....	.....	1.5	.....
Parshall	.....	(*)	.....	T.	(*)	T.	.....	5.0	.....	.....
Pembina	.....	4.0	3.0	1.0	3.5	5.5	.....	.....	.....	17.0
Powers Lake	.....	12.0	1.0	10.8	2.5	0.5	1.5	3.0	.....	31.3
Sanish	.....	(*)	.....	6.0	8.0	(*)	2.5	2.0	.....	.....
Steele	.....	4.0	3.0	12.0	9.5	4.6	4.0	2.0	2.5	41.6
Towner	.....	6.0	0.5	10.0	3.0	T.	.....	T.	T.	19.5
Wahpeton	.....	3.0	1.0	(*)	(*)	(*)	(*)	(*)	.....	.....
Walhalla	.....	6.0	1.0	3.0	4.0	6.5	T.	3.0	.....	23.5
Westhope	.....	12.0	1.0	4.0	T.	.....	T.	T.	.....	17.0
Williston	.....	1.7	0.1	8.7	5.9	1.3	2.8	T.	T.	20.5
Willow City	.....	2.0	2.0	8.0	4.0	1.5	T.	T.	2.0	19.5
Zap	.....	5.6	.....	7.8	9.6	1.6	6.1	6.8	.....	37.5
Ohio.										
Akron	.....	0.2	1.0	10.8	15.4	1.5	2.0	3.8	T.	34.7
Amesville	.....	2.7	1.0	11.0	24.0	1.5	T.	8.5	.....	48.7
Ashland	.....	T.	2.0	11.0	17.0	0.5	0.5	4.0	T.	35.0
Bangorville	.....	1.6	2.0	11.0	22.0	T.	1.0	5.0	.....	42.6
Batavia	.....	T.	T.	16.0	29.0	(*)	0.6	T.	.....	.....
Bellefontaine	.....	2.5	2.0	8.4	36.5	1.2	T.	1.2	.....	51.8
Benton Ridge	.....	9.0	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Beverly	.....	4.0	1.2	(*)	(*)	2.1	11.0	.....	.....	.....
Bowling Green	.....	4.0	6.0	10.0	17.5	3.0	1.0	1.0	.....	42.5
Brilliant	.....	5.5	0.3	14.0	24.0	5.0	(*)	6.0	.....	.....
Bucyrus	.....	T.	5.0	19.0	24.0	T.	T.	4.0	.....	52.0
Cadiz	.....	6.0	1.5	20.3	33.0	2.4	1.0	11.0	.....	75.2
Cambridge	.....	6.0	2.0	13.0	29.0	2.0	T.	7.0	.....	59.0
Canfield	.....	T.	1.5	10.5	25.0	(*)	2.0	7.0	.....	.....
Canton	.....	T.	0.9	12.4	21.6	1.1	1.8	8.1	.....	45.9
Catawba Island	.....	(*)	2.5	7.0	20.0	2.0	(*)	0.5	.....	.....
Chillicothe	.....	(*)	0.7	15.2	26.0	T.	T.	4.0	.....	.....
Cincinnati	.....	T.	T.	16.3	20.2	T.	T.	1.5	.....	38.0
Circleville	.....	T.	(*)	14.0	25.7	.....	(*)	(*)	.....	.....
Clarington	.....	0.7	0.1	17.1	27.4	3.8	T.	7.0	T.	56.1
Cleveland	.....	T.	8.5	13.5	24.0	2.1	1.4	1.7	.....	51.2
Cleveland (St. Ignatius)	.....	2.4	8.2	11.3	24.5	2.2	1.2	(*)	.....	.....
Columbus	.....	0.6	0.6	14.5	25.4	1.1	0.2	1.5	.....	43.9
Coshocton	.....	2.5	0.2	19.2	22.0	1.0	0.5	6.0	.....	51.4

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Ohio—Continued.										
Dam No. 28	.....	1.0	(*)	9.0	(*)	(*)	.....	3.0	.....	.....
Danbury	.....	T.	1.5	6.0	16.0	3.0	1.0	0.4	.....	27.9
Dayton (1)	.....	0.4	0.6	13.7	24.4	0.4	T.	3.0	.....	42.5
Dayton (2)	.....	0.8	0.4	15.2	25.1	0.2	T.	3.5	.....	45.2
Delaware	.....	(*)	(*)	15.9	33.0	T.	0.1	(*)	.....	.....
Demos	.....	9.0	1.0	13.7	17.4	2.0	0.4	8.5	T.	52.0
Dennison	.....	1.5	1.5	14.5	18.5	2.5	1.2	5.1	.....	44.8
Dover	.....	T.	1.0	10.0	16.0	1.0	1.0	4.0	.....	33.0
Eaton	.....	T.	.....	8.7	31.0	(*)	.....	4.0	(*)	.....
Findlay	.....	5.0	1.0	13.0	27.0	1.0	T.	1.0	.....	48.0
Frankfort	.....	T.	0.5	11.5	26.0	T.	(*)	4.0	.....	.....
Fremont	.....	2.0	6.0	12.2	19.0	1.0	1.0	2.0	.....	43.2
Gambier	.....	(*)	3.0	(*)	25.5	1.5	0.5	4.0	.....	.....
Geneva	.....	1.0	2.0	14.5	9.0	1.0	(*)	(*)	(*)	.....
Germantown	.....	.....	.....	19.0	35.0	0.2	(*)	.....	.....	.....
Granville	.....	T.	1.0	15.7	31.6	1.2	T.	4.5	.....	54.0
Green	.....	T.	T.	13.1	20.9	1.0	0.8	1.0	.....	36.8
Green Hill	.....	T.	0.9	12.9	20.0	0.8	1.0	9.2	T.	44.8
Greenville	.....	2.0	1.0	8.5	17.0	1.0	T.	0.2	.....	29.7
Hamilton	.....	T.	T.	17.5	33.5	.....	(*)	1.5	.....	.....
Hillhouse	.....	2.2	19.5	18.5	14.0	2.0	1.2	4.8	.....	62.2
Hillsboro	.....	T.	1.0	17.5	27.0	T.	T.	3.0	.....	48.5
Hiram	.....	4.0	4.0	13.0	20.0	2.0	4.0	6.0	T.	53.0
Hudson	.....	(*)	3.7	12.5	22.0	(*)	(*)	5.0	.....	.....
Ironton	.....	(*)	(*)	12.0	12.9	T.	0.1	4.0	.....	.....
Jackson	.....	2.0	(*)	(*)	13.0	.....	(*)	6.0	.....	.....
Kenton	.....	2.0	T.	8.0	(*)	T.	(*)	1.0	.....	.....
Killbuck	.....	T.	3.0	15.0	18.0	1.0	1.0	8.0	.....	46.0
Kings Mills	.....	(*)	(*)	(*)	24.0	(*)	T.	0.3	.....	.....
Lakeview	.....	T.	0.2	14.1	27.9	(*)	(*)	1.5	(*)	.....
Lancaster	.....	T.	T.	17.0	18.0	1.0	(*)	1.0	.....	.....
Larue	.....	(*)	1.0	14.2	24.5	1.0	T.	1.5	.....	.....
Lima (1)	.....	2.0	T.	15.0	25.0	T.	T.	T.	.....	42.0
Lima (2)	.....	(*)	(*)	(*)	25.0	(*)	(*)	0.5	.....	.....
Loudenville	.....	.....	1.6	15.4	23.1	0.9	1.5	3.5	.....	46.0
McArthur	.....	3.5	0.5	11.2	22.1	0.2	T.	8.2	.....	45.7
McConnellsville	.....	6.7	2.8	16.7	32.2	2.0	0.5	10.5	.....	71.4
Mansfield	.....	.....	4.0	11.5	21.5	1.0	0.5	7.0	T.	45.5
Marietta (1)	.....	5.0	0.9	7.3	16.9	2.0	(*)	6.0	.....	.....
Marietta (2)	.....	5.0	1.0	10.0	16.0	2.0	T.	5.0	.....	39.0
Marion	.....	0.5	1.5	13.5	30.5	1.0	0.5	3.0	T.	50.5
Marysville	.....	T.	T.	16.0	29.5	T.	T.	4.0	.....	49.5
Medina	.....	1.0	1.0	9.0	10.0	T.	1.0	4.0	T.	26.0
Milfordton	.....	1.0	2.0	16.0	31.2	1.0	1.5	3.0	.....	55.7
Milligau	.....	6.0	(*)	11.0	(*)	1.0	1.0	(*)	.....	.....
Millport	.....	T.	0.9	13.3	22.7	1.0	0.2	2.0	.....	40.1
Milton Dam	.....	T.	0.2	6.5	11.5	0.5	0.5	(*)	(*)	.....
Montpelier	.....	4.0	3.0	15.5	31.8	4.8	1.0	T.	.....	60.1
Mount Healthy	.....	(*)	T.	20.8	23.5	.....	.....	1.0	.....	.....
Mulberry	.....	0.8	0.6	(*)	35.5	T.	0.1	3.0	.....	.....
Napoleon	.....	1.8	1.0	11.5	33.2	2.5	0.2	T.	.....	50.2
New Bremen	.....	1.5	T.	10.7	16.0	T.	T.	1.0	.....	29.2
New Carlisle	.....	T.	0.5	16.2	35.0	T.	T.	2.0	.....	53.7
North Royalton	.....	2.0	5.0	7.0	18.0	4.0	0.5	4.0	.....	40.5
Norwalk	.....	8.0	6.0	8.5	16.5	T.	T.	4.0	.....	43.0
Oak Harbor	.....	8.0	7.0	(*)	(*)	(*)	(*)	(*)	(*)	.....
Oberlin	.....	T.	1.6	12.7	19.6	0.6	0.4	4.5	.....	39.4
Ohio State University	.....	(*)	0.2	11.7	25.4	0.9	T.	3.0	.....	.....
Ottawa	.....	2.0	0.8	9.8	23.2	0.5	(*)	T.	.....	.....
Oxford	.....	T.	T.	10.0	(*)	(*)	(*)	1.5	.....	.....
Pataskala	.....	5.7	1.8	14.0	21.8	1.2	0.7	3.8	.....	49.0
Paulding	.....	3.5	1.0	5.8	13.9	(*)	(*)	(*)	.....	.....
Peebles	.....	1.0	T.	11.2	25.5	T.	0.5	3.0	.....	41.2
Philo (1)	.....	8.5	1.6	18.8	26.3	3.5	1.0	8.0	.....	67.7
Philo (2)	.....	8.4	3.3	11.7	25.2	2.0	0.8	10.2	.....	61.6
Piqua	.....	(*)	(*)	(*)	26.8	T.	(*)	(*)	.....	.....
Plattsburg	.....	(*)	(*)	(*)	25.0	2.0	(*)	(*)	(*)	.....
Portsmouth (No. 1)	.....	T.	T.	(*)	(*)	T.	T.	(*)	.....	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Ohio—Continued.										
Portsmouth (No. 2)		(*)	(*)	(*)	14.0	(*)	T.	2.0		
Prospect			T.	12.0	(*)	(*)	T.	2.0		
Put-in-Bay		T.	0.6	15.8	17.8	2.0	T.	T.		36.2
Roxabell		(*)	0.7	(*)	24.0	T.		3.0		
Saint Paris		1.5	0.5	14.2	32.1	(*)	(*)	3.5		
Sandusky		1.6	4.9	11.5	23.0	1.3	0.5	1.2		44.0
Sidney		(*)	0.1	13.7	23.0	0.2	T.	1.0		
Somerset		1.0	2.0	15.5	27.5	4.2	0.5	6.0		56.7
Springfield (No. 1)		(*)	(*)	(*)	(*)	0.2	(*)	(*)		
Springfield (No. 2)		(*)	(*)	7.7	(*)	(*)	(*)	(*)		
Summerfield		10.5	2.2	15.5	20.2	2.0	1.0	13.0		64.4
Tadmor		(*)	0.5	11.0	16.8	(*)		(*)		
Tiffin		2.0	6.0	14.0	24.0	2.0	0.5	1.5		50.0
Toboso		4.0	T.	15.5	22.5	(*)	T.	2.0		
Toledo		0.5	1.3	9.8	26.2	2.0	1.5	T.		41.3
Upper Sandusky		3.0	2.5	14.0	20.0	0.5	T.	2.0	T.	42.0
Urbana		1.5	0.2	18.9	36.5	1.0	T.	6.0		64.1
Valley Crossing		T.	0.7	12.3	28.6	1.0	T.	1.2		43.8
Versailles		3.8	0.3	17.1	30.9	0.4	T.	1.0		53.5
Vickery		2.0	2.1	9.3	12.0	0.8	T.	2.9		29.1
Walhonding		2.5	1.0	16.0	22.0	2.0	1.5	0.5		45.5
Wapakoneta		3.0	1.0	17.8	27.8	0.2	0.2	1.0		51.0
Warren (No. 1)		0.5	3.4	8.4	22.5	1.9	2.2	11.2	T.	50.1
Warren (No. 2)		T.	T.	5.0	(*)	(*)	(*)	(*)		
Washington Court House		T.	T.	15.9	30.7	1.0	T.	2.5		50.1
Wauseon		5.8	1.0	13.0	34.8	3.0	2.5	T.		60.1
Waverly		1.0	0.2	13.4	25.3	T.	T.	4.4		44.3
Waynesville		1.0	T.	13.0	25.0	T.	T.	3.5		42.5
West Manchester		T.	1.0	8.0	23.5	(*)	(*)	2.0		
West Milton		1.5	1.0	8.5	27.5	(*)	(*)	1.0		
Wickliffe		2.0	15.0	10.0	12.4	1.0	(*)	3.5	T.	
Wilmington		T.	T.	23.7	33.5	T.	T.	2.1		59.3
Wooster (No. 1)		4.0	1.0	16.2	21.5	0.8	1.5	4.0		49.0
Wooster (No. 2)		(*)	(*)	12.5	(*)	(*)	1.5	5.0		
Xenia		(*)	(*)	(*)	(*)	(*)	(*)	0.5		
Youngstown		T.	0.9	15.6	12.1	0.7	1.5	3.8		34.6
Zanesville		3.0	1.0	13.2	23.0	1.5	0.8	5.0		47.5
Oklahoma.										
Ada					10.3					10.3
Altus				T.	4.0					4.0
Alva		T.		2.0	7.0	T.				9.0
Antlers	(*)	(*)	(*)		(*)	(*)				
Apache				0.5	6.0					6.5
Arapaho				T.	8.2					8.2
Ardmore				0.5	7.0					7.5
Arnett		T.		0.2	4.5			T.		4.7
Bacone				1.0	14.0					15.0
Bartlesville				5.0	10.2			T.		15.2
Beaver		0.5		0.5	5.0					6.0
Billings		T.		2.0	8.7					10.7
Blackwell		T.		2.2	5.2					7.7
Bristow		(*)	(*)	(*)	15.0	(*)	(*)	(*)	(*)	
Broken Bow	(*)	(*)			10.8	(*)				
Buffalo				1.0	8.5					9.5
Calvin				0.4	(*)					
Camargo			(*)	(*)	(*)	(*)				
Canton		T.		1.0	(*)					
Carnegie				T.	2.1					2.1
Chandler				T.	10.0					10.0
Chattanooga				T.	6.0					6.0
Cherokee				1.6	1.5					3.1
Chickasha					9.2					9.2
Claremore		T.		3.0	10.1			T.		13.1
Cleveland		T.		0.5	8.7					9.2
Cloud Chief				T.	4.6					4.6
Durant				T.	9.2					9.2
El Dorado				T.			(*)			

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oklahoma—Continued.										
Enid	.....	T.	.....	2.0	10.0	T.	.....	.....	.....	12.0
Erick	.....	.....	.....	T.	0.1	.....	.....	.....	.....	0.1
Eufaula	.....	.....	.....	0.1	8.0	.....	.....	.....	.....	8.1
Fairland	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Fort Gibson	.....	.....	.....	1.0	18.6	.....	.....	.....	.....	19.6
Fort Reno	.....	.....	.....	T.	6.0	.....	.....	.....	.....	6.0
Frederick	.....	.....	.....	0.2	8.3	.....	.....	.....	.....	8.5
Geary	.....	T.	.....	0.5	9.0	.....	.....	T.	.....	9.5
Goodwell	.....	1.8	.....	.....	4.8	.....	.....	.....	.....	6.6
Guthrie	.....	T.	.....	0.5	22.5	.....	.....	.....	.....	23.0
Hammon	.....	T.	.....	0.5	4.7	.....	.....	.....	.....	5.2
Healdton	.....	.....	.....	2.5	7.0	.....	.....	.....	.....	9.5
Heavener	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Hennessey	(*)	(*)	.....	1.0	8.0	.....	.....	.....	.....	.....
Hobart	.....	.....	.....	T.	2.7	.....	.....	.....	.....	2.7
Holdenville	.....	.....	.....	0.5	6.5	.....	.....	.....	.....	7.0
Hooker	.....	1.0	.....	0.5	3.0	0.5	.....	.....	.....	5.0
Hugo	.....	.....	.....	.....	8.0	.....	.....	.....	.....	8.0
Hurley	.....	2.0	T.	T.	18.0	6.0	5.0	T.	.....	31.0
Jefferson	.....	T.	.....	4.0	6.5	.....	.....	T.	.....	10.5
Kenton	.....	1.8	2.7	0.6	9.0	4.7	5.0	0.3	T.	24.1
Kingfisher	.....	.....	.....	T.	6.5	.....	.....	.....	.....	6.5
Lawton	.....	.....	.....	0.1	3.3	.....	.....	.....	.....	3.4
Lawtonka Lake	.....	.....	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
McAlester	.....	.....	.....	0.2	14.3	.....	.....	.....	.....	14.5
Mangum	.....	.....	.....	T.	6.5	.....	.....	.....	.....	6.5
Marlow	.....	.....	.....	T.	3.0	.....	.....	.....	.....	3.0
Meeker	.....	.....	.....	0.5	11.5	.....	.....	.....	.....	12.0
Miami	(*)	(*)	(*)	12.0	11.0	.....	.....	.....	.....	.....
Muskogee	.....	.....	.....	3.2	10.6	.....	.....	.....	.....	13.8
Mutual	.....	T.	.....	.....	6.0	.....	.....	.....	.....	6.0
Newkirk	.....	T.	.....	10.0	10.0	.....	.....	T.	.....	20.0
Norman	.....	.....	.....	0.5	3.5	.....	.....	.....	.....	4.0
North Muskogee	.....	.....	.....	1.0	(*)	.....	.....	.....	.....	.....
Oakwood	.....	T.	.....	1.0	6.0	(*)	(*)	(*)	(*)	.....
Okeene	.....	T.	.....	0.5	7.0	.....	.....	.....	.....	7.5
Okemah	.....	.....	.....	1.0	6.0	.....	.....	.....	.....	7.0
Oklahoma	.....	T.	.....	0.4	7.6	.....	.....	.....	.....	8.0
Okmulgee	.....	.....	.....	0.2	11.0	.....	.....	.....	.....	11.2
Pauls Valley	.....	.....	.....	0.2	4.1	.....	.....	.....	.....	4.3
Pawhuska	.....	T.	.....	3.0	11.5	T.	.....	T.	.....	14.5
Perry	.....	T.	.....	3.5	9.5	.....	.....	.....	.....	13.0
Poteau	.....	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....
Rankin	.....	.....	.....	T.	1.5	.....	.....	.....	.....	1.5
Ravia	.....	.....	.....	.....	3.0	.....	.....	.....	.....	3.0
Reno Junction	.....	.....	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
Sac and Fox Agency	.....	.....	.....	T.	10.2	.....	.....	.....	.....	10.2
Sallisaw	.....	.....	.....	2.0	13.2	T.	.....	.....	.....	15.2
Shawnee	.....	.....	.....	T.	4.4	T.	.....	.....	.....	4.4
Snyder	.....	.....	.....	T.	1.4	.....	.....	.....	.....	1.4
Stillwater	.....	T.	.....	0.3	9.3	.....	.....	.....	.....	9.6
Sulphur	.....	.....	.....	.....	4.6	(*)	(*)	(*)	(*)	.....
Tahlequah	.....	.....	.....	1.0	15.7	.....	.....	.....	.....	16.7
Tamaha	.....	.....	.....	3.0	(*)	.....	.....	.....	.....	.....
Tulsa	.....	T.	.....	2.2	9.7	.....	.....	T.	.....	11.9
Tuskahoma	(*)	(*)	.....	0.1	10.5	.....	.....	.....	.....	.....
Union City	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
Vinita	.....	T.	.....	10.5	16.0	.....	.....	.....	.....	26.5
Wagoner	.....	.....	.....	1.0	14.3	.....	.....	.....	.....	15.3
Walter	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....	.....	.....
Waukomis	.....	T.	.....	1.0	10.0	.....	.....	T.	.....	11.0
Waurika	.....	.....	.....	0.5	3.5	.....	.....	.....	.....	4.0
Weatherford	.....	.....	.....	T.	5.2	.....	.....	.....	.....	5.2
Webbers Falls	.....	.....	.....	0.5	10.0	.....	.....	.....	.....	10.5
Whiteagle	.....	T.	.....	3.0	7.2	.....	.....	.....	(*)	.....
Wichita National Forest	.....	.....	(*)	(*)	1.0	(*)	(*)	.....	.....	.....
Woodward	.....	T.	.....	2.0	15.0	T.	.....	T.	.....	17.0
Wyandotte	.....	.....	.....	10.0	10.0	.....	.....	.....	.....	20.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oregon.										
Agency Plains				1.2	T.	2.7	0.2			4.1
Agness							0.8			0.8
Albany										0.0
Andrews					T.	3.0	3.0	T.		6.0
Ashland						4.5	1.0			5.5
Astoria						T.	0.3			0.3
Austin			0.1	9.0	T.	38.5	18.0	(*)		
Baker		0.7	1.5	0.5	15.1	1.6	2.6	T.	T.	22.0
Bear Creek			T.	2.3	10.1	19.0	3.6	T.	14.0	49.0
Bear Valley			4.5	7.2	22.0	12.5	5.0	2.5	3.0	56.7
Beech Creek			4.5	0.5	14.0	9.5	2.0	1.0	T.	31.5
Bend				2.5	2.5	8.5	1.2	T.	2.0	16.7
Blitzen					2.0	4.0	7.0		T.	13.0
Cascade Locks						8.5	3.0			11.5
Cascadia						2.5	T.	T.		2.5
Cazadero						T.	T.	T.		T.
Chiloquin			T.	1.4	8.7	22.0	7.1	0.5		39.7
Condon				05	3.5	8.0	T.	T.		12.0
Cornucopia		1.0	14.9	36.9	75.8	91.4	15.2	6.3	1.0	242.5
Corvallis						2.0	1.0			3.0
Crescent				5.0	26.7	35.4	23.8		1.0	91.9
Dayville				T.	3.0	0.2	T.	T.	T.	3.2
Deadwood						T.	T.			T.
Detroit					6.0	24.2	22.0	3.5		55.7
Doraville						8.1	4.8	T.		12.9
Drain							1.0			1.0
Drewsey					5.5	7.5	3.0			16.0
Dufur				0.8	5.2	18.0	0.1	T.	0.5	24.6
Echo						2.0				2.0
Eugene						T.	1.0			1.0
Florence						T.				T.
Forest Grove						3.0	2.0			5.0
Fort Rock			T.	T.	2.0	(*)	2.8		T.	
Glencoe					5.0	5.0				10.0
Government Camp			10.0	42.0	64.0	46.0	31.0	20.0	17.0	230.0
Grants Pass						T.	T.			T.
Gumboot		T.	0.5	4.5	26.2	34.0	1.5	3.0	T.	69.7
Headworks				T.		8.8	T.	T.		8.8
Heppner					4.0	9.0	2.0	0.5		15.5
Hermiston						T.				T.
Hilgard		1.0	1.0	3.0	27.0	13.0	1.0	1.0		47.0
Hood River				T.	T.	15.5	3.5			19.0
Howardville		1.8	7.5	13.8	42.4	35.9	12.2	8.5	2.0	124.1
Ibex Mine		1.2	14.7	26.7	67.9	48.7	12.3	5.2	0.7	177.4
Jacksonville			0.2	T.		0.5	0.5			1.2
Joseph		1.8	T.	7.0	(*)	20.0	11.8			
Klamath Falls				1.0	6.0	16.8	3.8	2.0	T.	29.6
La Grande			0.5	2.0	16.2	5.5	2.0	T.	T.	26.2
Lakeview			T.	T.	4.3	5.4	10.5	0.4	0.6	21.2
Lebanon							0.5	T.		0.5
Lilyglen			0.5		15.0	44.0	21.0	4.0		84.5
McKinley						2.0	1.2			3.2
McMinnville						4.9	1.3			6.2
Marshfield							0.5			0.5
Maury				T.	5.5	9.3	0.8	0.2		15.8
Medford						T.	0.6			0.6
Merrill										0.0
Milton				T.	T.	3.0	T.	1.0	T.	4.0
Miramonte Farm						6.0	T.			6.0
Monument			3.5	T.	12.6	13.2	0.4	1.9		31.6
Mount Angel						T.				T.
Newport							T.			T.
Nyssa				T.	4.0	2.0	4.0			10.0
Oakridge						(*)				
Ochoco			1.5	0.1	15.0	22.0	5.0	3.6	3.0	50.2
Ortley				0.5	3.0	19.0	2.0	1.8		26.3
Paisley (near)					3.5	5.0	7.5	T.	T.	16.0
Parkdale			0.5	1.0	3.8	30.5	4.0	1.3	0.7	41.8

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oregon—Continued.										
Pendleton					1.0	7.0	T.	T.		8.0
Pilot Rock					4.0	9.5		1.0		14.5
Portland						6.6	T.			6.6
Port Orford										0.0
Power House					8.2	6.6	1.8			16.6
Prairie City			1.0	3.8	17.1	8.4	4.3	1.7	T.	36.3
Prineville				T.						T.
Prospect			T.	T.	T.	31.0	8.5	(*)	1.5	
Ramsey				T.	2.0	11.2	T.	T.		13.2
Range						(*)	4.0	0.4	T.	
Ray Creek					3.5	4.0	T.	0.5		8.0
Reservoir (No. 3)			2.0		7.2	4.7	0.9			14.8
Richland					15.0	1.5				16.5
Riddle						0.2	0.6			0.8
Riverside					2.0	9.5	1.0			12.5
Roseburg						1.7	T.			1.7
Salem						2.5				2.5
Silver Lake					T.	5.5	T.	T.	0.2	5.5
Siskiyou			1.0	2.1	7.5	28.2	14.1	2.0		54.9
Sisters				3.5	2.0	13.0	4.5	0.5	T.	23.5
Sparta		4.0	3.0	9.0	41.5	14.0	2.0	T.	T.	73.5
Stafford						5.0				5.0
Stanfield						2.1				2.1
Starkey		T.	5.0	4.0	14.2	7.5	4.2	T.		34.9
Sunrise Valley				T.	3.0	1.0	2.5			6.5
Talent				T.		1.5	T.			1.5
The Dalles						0.5				0.5
Tillamook							T.			T.
Toledo						T.	T.			T.
Umatilla					T.	T.				T.
Union				1.0	T.	7.0	1.5	T.		9.5
Valley Falls						8.0	10.0			18.0
Vistillas			T.		6.0	16.0	12.0		3.5	37.5
Waldo				T.		11.0	13.5			24.5
Wallace Orchard						3.5				3.5
Wallowa		T.	2.0	3.5	11.8	8.4	4.0	T.		29.7
Wamic				T.	0.5	8.5				9.0
Warmspring				1.5	1.0	2.6		T.		5.1
Wasco						19.0	T.			19.0
Wedderburn										0.0
Welches (near)					T.	15.0	9.0	T.		24.0
Weston					4.0	12.5	1.5	3.0	T.	21.0
Williams						3.0	1.0			4.0
Yonna				0.5	4.5	7.7	(*)	0.5		
Pennsylvania.										
Aleppo		6.0	2.0	9.0	24.0	2.0	T.	8.0		51.0
Allentown		(*)	T.	17.2	15.3	2.0	0.5	T.		
Altoona		5.0	3.0	25.0	(*)	(*)		23.0		
Ansonia		(*)	3.5	24.0	30.0	2.0	3.0	25.0		
Austin		T.	1.5	20.0	26.0	4.0	2.0	(*)		
Beaver Dam		2.0	1.5	12.8	17.4	1.9	2.2	5.5		43.3
Beaver Falls		7.5	1.7	14.4	16.3	1.6	2.0	5.5		49.0
Bellefonte			4.0	11.0	29.0	2.0	1.0	22.0		69.0
Bethlehem			(*)	18.0	24.3	2.0		9.0		
Bloserville		T.	1.0	26.0	45.0	3.0	0.5	30.0		105.5
Bradford		5.5	4.0	22.9	22.9	4.2	6.0	9.0		74.5
Brookville		0.5	2.5	18.6	33.5	T.	(*)	(*)		
Browers Lock			0.8	10.0	18.2	2.0	T.	T.		86.1
Carlisle		T.	T.	22.0	41.0	2.0	T.	21.0		86.0
Catawissa		0.5	T.	13.5	21.9	1.0	2.4	12.5		51.8
Center Hall		4.5	3.0	13.2	27.5	1.2	0.8	17.0		67.2
Chambersburg		T.	1.0	16.0	37.8	2.0	T.	(*)		
Clarion		2.5	1.5	26.0	39.0	6.5	3.0	5.0		83.5
Claysville		8.0	T.	11.5	24.0	2.0	T.	12.0		57.5
Clearfield			T.	24.0	49.5	4.0	2.0	18.0		97.5
Coatesville		T.	2.4	21.3	22.6	1.3	0.3	T.		47.9
Colebrook		1.2	0.3	10.9	23.5	3.1	0.3	4.2		43.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Pennsylvania—Continued.										
Coraopolis	.....	0.5	0.5	(*)	(*)	(*)	T.	6.0	.....	.....
Corry	.....	4.2	3.0	22.5	24.0	8.0	(*)	(*)	.....	61.7
Derry	.....	8.0	1.0	7.5	36.6	5.4	T.	15.5	.....	74.0
Doylestown	.....	.....	0.5	12.0	16.2	2.5	T.	2.0	.....	33.2
Drifton	.....	5.0	1.0	22.0	27.0	3.5	5.2	20.0	.....	83.7
Ebensburg	.....	5.4	T.	7.4	31.0	(*)	T.	15.0	.....	.....
Edinboro	.....	7.5	10.0	28.5	29.5	13.0	3.8	6.8	.....	99.1
Elk Lick	.....	12.5	0.5	14.8	35.0	7.0	T.	29.0	T.	98.8
Emporium	.....	T.	1.0	11.5	26.0	2.5	2.3	8.8	.....	52.1
Ephrata	.....	.....	0.8	17.5	26.0	3.0	.....	(*)	.....	.....
Erie	.....	4.4	1.3	14.2	13.5	5.1	7.5	10.4	.....	56.4
Everett	.....	0.5	1.0	9.0	46.0	2.0	.....	11.0	.....	69.5
Franklin	.....	T.	0.5	11.3	22.4	3.0	(*)	4.0	.....	.....
Freeland	.....	5.0	1.0	19.8	26.5	5.0	5.6	21.0	.....	83.9
Freeport	.....	(*)	(*)	(*)	(*)	(*)	0.5	7.0	.....	.....
George School	.....	.....	0.3	7.2	12.4	2.0	T.	1.8	.....	23.7
Gettysburg	.....	T.	1.0	18.0	30.8	2.5	0.5	10.0	.....	62.8
Girardville	.....	1.5	1.5	23.0	28.2	4.2	3.2	15.2	.....	76.8
Gordon	.....	T.	1.0	33.0	38.0	4.0	4.0	16.0	.....	96.0
Gouldsboro	.....	(*)	(*)	(*)	(*)	5.0	5.0	22.0	.....	.....
Greensboro	.....	(*)	0.4	4.5	4.8	3.4	T.	8.0	.....	.....
Greensburg	.....	6.1	2.6	9.6	26.1	5.3	0.7	13.1	.....	63.5
Greenville	.....	T.	4.2	14.5	(*)	(*)	1.2	2.7	.....	.....
Grove City	.....	2.2	1.2	9.9	11.8	1.5	2.0	4.1	.....	32.7
Hamburg	.....	T.	T.	16.0	26.1	3.0	T.	1.0	.....	46.1
Hanover	.....	T.	1.0	12.0	24.0	1.5	.....	T.	.....	38.5
Harrisburg	.....	T.	0.1	17.1	31.0	2.0	0.1	1.5	.....	51.8
Herrs Island Dam	.....	0.5	0.7	10.8	17.9	1.2	0.4	5.3	.....	36.8
Holtwood	.....	.....	3.5	19.5	23.9	1.0	(*)	(*)	.....	.....
Honesdale	.....	T.	.....	(*)	(*)	(*)	(*)	(*)	.....	.....
Huntingdon	.....	T.	0.5	12.8	34.5	1.3	T.	20.0	.....	69.1
Hyndman	.....	3.0	2.5	10.0	35.5	4.2	T.	16.0	.....	71.2
Indiana	.....	T.	3.2	17.5	43.0	4.0	0.5	14.5	.....	82.7
Irwin	.....	T.	0.4	(*)	(*)	2.4	T.	0.5	.....	.....
Johnstown	.....	2.5	1.5	12.6	41.0	5.5	0.1	17.0	.....	80.2
Lancaster	.....	T.	3.0	3.3	42.2	1.0	T.	(*)	.....	.....
Lansford	.....	0.4	0.1	23.0	24.5	3.0	3.5	7.0	.....	61.5
Lawrenceville	.....	.....	T.	15.0	16.0	1.0	9.0	27.0	.....	68.0
Lebanon	.....	T.	0.2	15.8	28.3	3.1	T.	0.6	.....	48.0
Lewisburg	.....	T.	T.	18.6	34.8	1.0	2.0	17.0	.....	73.4
Linesville	.....	T.	3.0	11.2	20.8	1.8	0.5	1.5	.....	38.8
Lloyd	.....	T.	1.5	17.0	15.5	1.0	5.0	17.0	.....	57.0
Lock Haven	.....	T.	T.	14.5	40.5	1.5	3.5	26.5	.....	86.5
Lock No. 4	.....	(*)	(*)	(*)	(*)	(*)	T	3.5	.....	.....
Lycippus	.....	8.0	2.8	7.8	26.5	0.7	1.0	8.0	.....	54.8
Lykens	.....	T.	0.5	15.0	25.0	1.5	0.5	(*)	.....	.....
Mauch Chunk	.....	.....	0.6	25.0	36.0	4.0	3.0	7.5	.....	76.1
Media	.....	.....	1.8	8.6	20.7	2.2	.....	(*)	.....	.....
Mifflintown	.....	T.	1.0	16.5	31.5	2.5	T.	14.5	.....	66.0
Milford	.....	.....	0.5	18.0	15.0	1.5	3.0	7.0	.....	45.0
Montrose	.....	3.0	3.0	14.0	23.0	5.0	6.0	17.0	.....	71.0
Mosgrove	.....	(*)	(*)	(*)	(*)	(*)	.....	3.5	.....	.....
Mount Pocono	.....	0.5	T.	22.0	28.5	7.0	1.0	10.0	.....	69.0
Muncy Valley	.....	.....	T.	12.5	14.5	2.5	3.5	6.0	.....	39.0
Neshaminy Falls	.....	.....	1.0	5.5	18.5	2.0	T.	1.5	.....	28.5
New Castle	.....	T.	0.2	8.1	15.1	2.5	0.5	3.5	.....	29.9
Palmerton	.....	.....	0.1	15.0	8.5	3.0	T.	2.5	.....	29.1
Parkers Landing	.....	T.	T.	10.3	.....	3.4	0.7	4.3	.....	18.7
Philadelphia (*a*)	.....	.....	2.0	7.4	27.0	2.5	T.	T.	.....	38.9
Philadelphia (*d*)	.....	.....	2.1	5.4	21.9	1.9	T.	T.	.....	31.3
Phoenixville	.....	T.	0.5	13.0	15.5	1.5	T.	T.	.....	30.5
Pittsburgh	.....	4.3	1.0	11.8	19.0	2.3	0.5	7.1	.....	46.0
Pottstown	.....	.....	T.	14.0	17.2	3.0	T.	(*)	.....	.....
Pottsville	.....	T.	0.5	22.5	21.0	2.5	0.2	7.5	.....	54.2
Punxsutawney	.....	(*)	1.5	25.0	(*)	1.5	0.2	5.0	.....	.....
Quakertown	.....	T.	0.9	17.0	16.0	6.0	1.0	10.5	.....	51.4
Reading	.....	T.	0.4	9.5	22.6	2.5	T.	0.2	.....	35.2
Renovo	.....	T.	(*)	16.0	38.0	1.0	.....	5.0	.....	.....
Ridgway	.....	0.5	0.2	12.5	23.5	(*)	0.2	(*)	.....	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Pennsylvania—Continued.										
Sadsburyville	.....	0.3	2.3	13.8	22.6	1.2	0.5	(*)	.....	.....
Saegerstown	.....	2.0	3.0	13.5	24.5	6.0	T.	3.0	.....	52.0
Saltsburg	.....	2.5	2.6	13.7	30.5	2.8	1.3	8.4	.....	61.8
Scranton	.....	0.2	1.6	17.7	22.4	2.5	7.9	12.1	.....	64.4
Selinsgrove	.....	T.	T.	(*)	(*)	(*)	(*)	(*)	.....	.....
Sharon	.....	.....	1.8	14.2	21.0	1.1	T.	2.9	.....	41.0
Shawmont	.....	.....	1.0	5.5	30.0	3.5	.....	(*)	.....	.....
Somerset	.....	14.8	3.9	17.4	62.7	18.8	4.0	29.0	.....	150.6
Springdale	.....	0.4	1.1	9.0	16.3	3.5	0.4	10.0	.....	40.7
State College	.....	2.5	0.8	12.8	25.2	2.6	1.2	14.8	.....	59.9
Stroudsburg	.....	T.	T.	22.5	17.5	5.0	3.0	5.0	.....	53.0
Sunbury	.....	T.	0.5	19.8	23.0	2.1	(*)	(*)	.....	.....
Towanda	.....	T.	1.1	14.8	17.8	0.2	3.3	20.3	.....	57.5
Uniontown	.....	5.4	1.0	5.5	7.0	4.0	0.5	12.0	.....	35.4
Vandergrift	.....	T.	3.0	10.7	16.4	4.5	T.	7.5	.....	42.1
Warren	.....	14.1	6.4	13.1	11.9	6.9	2.6	8.0	.....	63.0
Waterville	.....	(*)	(*)	15.5	36.0	0.2	1.0	14.0	.....	.....
Weikert	.....	.....	0.8	17.5	30.8	1.5	(*)	18.0	.....	.....
Wellsboro	.....	0.5	1.2	14.3	16.1	1.1	4.5	21.0	.....	58.7
West Bingham	.....	12.0	4.0	10.5	10.0	T.	5.0	18.0	.....	59.5
West Chester	.....	.....	2.5	9.0	8.0	1.8	.....	1.3	.....	22.6
West Newton	.....	2.0	(*)	7.4	18.0	4.0	T.	3.0	.....	.....
White Haven	.....	(*)	(*)	(*)	35.5	0.5	7.0	(*)	.....	.....
Wilkes-Barre	.....	.....	T.	13.2	16.3	0.5	4.0	9.5	.....	43.5
Williamsport	.....	.....	0.2	21.0	24.0	2.9	1.0	13.5	.....	62.6
York	.....	T.	2.0	14.0	26.0	1.0	.....	2.0	.....	45.0
Rhode Island.										
Block Island	.....	.....	T.	0.5	6.3	1.8	1.4	0.2	.....	10.2
Bristol	.....	.....	2.5	1.5	7.2	4.8	8.4	T.	.....	24.4
Kingston	.....	.....	2.0	6.0	12.0	9.5	6.5	2.0	.....	38.0
Narragansett Pier	.....	.....	2.0	2.0	9.8	6.1	7.1	0.5	.....	27.5
Providence	.....	.....	2.6	5.7	7.0	4.8	5.8	1.1	.....	27.0
South Carolina.										
Aiken	.....	.....	.....	0.5	T.	.....	.....	.....	.....	0.5
Allendale	.....	.....	.....	1.0	(*)	(*)	(*)	.....	.....	.....
Anderson	.....	.....	T.	5.2	1.5	T.	.....	.....	.....	6.7
Batesburg	.....	.....	.....	2.5	4.7	.....	.....	.....	.....	7.2
Beaufort	.....	.....	.....	0.2	0.2	.....	.....	.....	.....	0.4
Blackville	.....	.....	.....	1.0	1.3	.....	.....	.....	.....	2.3
Blairs	.....	.....	.....	7.0	1.0	.....	.....	.....	.....	8.0
Bowman	.....	.....	.....	1.8	1.3	.....	.....	.....	.....	3.1
Calhoun Falls	.....	.....	.....	2.8	3.4	.....	.....	.....	.....	6.2
Camden	.....	.....	.....	3.5	1.6	.....	.....	.....	.....	5.2
Catawba	.....	.....	.....	5.4	2.0	.....	.....	.....	.....	7.4
Centenary	.....	.....	.....	1.9	2.1	.....	.....	.....	.....	4.0
Chappells	.....	.....	.....	4.0	2.5	.....	.....	.....	.....	6.5
Charleston	.....	.....	.....	1.5	0.5	.....	.....	.....	.....	2.0
Cheraw	.....	.....	.....	5.6	1.6	.....	.....	.....	.....	7.2
Clemson College	.....	.....	.....	9.0	2.0	.....	.....	.....	.....	11.0
Columbia	.....	.....	.....	2.1	1.0	.....	.....	.....	.....	3.1
Conway	.....	.....	.....	2.5	T.	.....	.....	.....	.....	2.5
Darlington	.....	.....	.....	1.0	1.5	.....	.....	.....	.....	2.5
Edgefield	.....	.....	.....	2.0	1.9	.....	.....	.....	.....	3.9
Edisto	.....	.....	.....	1.5	2.0	.....	.....	.....	.....	3.5
Effingham	.....	.....	.....	0.8	1.0	.....	.....	.....	.....	1.8
Ferguson	(*)	(*)	.....	1.0	0.7	.....	.....	.....	.....	1.7
Florence (No. 1)	.....	.....	.....	1.0	2.0	.....	.....	.....	.....	3.0
Florence (No. 2)	.....	.....	.....	1.5	1.0	.....	.....	.....	.....	2.5
Floyd Dale	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Gaston Shoals	.....	.....	.....	2.2	10.1	T.	.....	.....	.....	12.3
Georgetown	.....	.....	.....	2.8	T.	.....	.....	.....	.....	2.8
Greenville (No. 1)	.....	.....	.....	8.6	2.5	T.	.....	T.	.....	11.1
Greenville (No. 2)	.....	.....	.....	8.3	(*)	(*)	(*)	(*)	(*)	.....
Greenwood	.....	.....	.....	4.0	5.2	.....	.....	.....	.....	9.2
Heath Spring	.....	.....	.....	6.5	1.0	.....	.....	.....	.....	7.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
South Carolina—Continued.										
Kershaw	.....	.....	.....	7.5	0.5	.....	.....	.....	.....	8.0
Kingstree	.....	.....	.....	2.0	.....	.....	.....	.....	.....	2.0
Landrum	(*)	(*)	.....	10.3	6.6	T.	.....	T.	.....	16.9
Laurens	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
Liberty	.....	.....	T.	11.2	9.0	T.	.....	.....	.....	20.2
Little Mountain	.....	T.	.....	4.0	6.5	.....	.....	.....	.....	10.5
Meriwether	(*)	.....	.....	2.5	1.0	.....	(*)	(*)	.....	.....
Monetta	.....	.....	.....	1.7	0.9	.....	.....	.....	.....	2.6
Mountain Rest	.....	.....	.....	8.2	5.2	(*)	(*)	(*)	(*)	.....
Newberry	.....	.....	.....	5.8	4.6	.....	.....	.....	.....	10.4
Oaks	.....	.....	.....	5.8	1.0	.....	.....	.....	.....	6.8
Orangeburg	.....	.....	.....	T.	1.0	.....	.....	.....	.....	1.0
Pelzer	.....	.....	.....	7.5	3.0	.....	.....	.....	.....	10.5
Pinopolis	.....	.....	.....	1.0	T.	.....	.....	.....	.....	1.0
Rimini	.....	.....	.....	1.0	2.5	.....	.....	.....	.....	3.5
St. George	.....	.....	.....	1.5	1.0	.....	.....	.....	.....	2.5
St. Matthews	.....	.....	.....	1.8	1.5	.....	.....	.....	.....	3.3
Saluda	.....	.....	.....	5.0	3.0	.....	.....	.....	.....	8.0
Santuck	.....	.....	.....	4.8	3.5	T.	.....	.....	.....	8.3
Society Hill	.....	.....	.....	3.0	0.3	.....	.....	.....	.....	3.3
Spartanburg	.....	.....	.....	9.5	1.5	T.	.....	.....	.....	11.0
Summerville	.....	.....	.....	1.3	0.5	.....	.....	.....	.....	1.8
Trenton	.....	.....	(*)	(*)	(*)	(*)	.....	.....	.....	.....
Walhalla	.....	.....	.....	7.4	3.0	T.	.....	.....	.....	10.4
Walterboro	.....	.....	.....	2.5	T.	.....	.....	.....	.....	2.5
White Oak	.....	.....	.....	5.5	2.0	.....	.....	.....	.....	7.5
Winthrop College	.....	.....	.....	8.0	3.8	.....	.....	.....	.....	11.8
Yemassee	.....	.....	.....	1.0	0.5	.....	.....	.....	.....	1.5
South Dakota.										
Aberdeen	.....	0.5	0.6	5.4	6.2	8.2	18.0	(*)	.....	.....
Academy	.....	T.	1.0	8.0	13.0	6.0	8.0	2.0	T.	38.0
Alexandria	.....	T.	1.0	6.0	(*)	(*)	(*)	(*)	.....	.....
Ardmore	.....	3.5	.....	6.2	10.9	6.9	6.0	17.0	.....	50.5
Armour	.....	T.	0.6	7.2	6.6	2.8	4.5	3.2	.....	24.9
Belle Fourche	.....	.....	.....	4.0	12.2	6.0	9.0	7.0	.....	38.2
Bison	.....	2.0	.....	5.5	7.0	3.0	8.0	5.5	4.0	35.0
Britton	.....	2.2	0.9	4.5	3.6	1.5	1.8	3.5	.....	18.0
Brookings	.....	T.	0.3	3.1	(*)	1.4	(*)	(*)	.....	.....
Bryant	.....	0.5	0.8	4.5	4.5	2.5	6.5	2.0	.....	21.3
Camp Crook	.....	.....	T.	9.7	6.5	3.5	7.3	T.	0.3	27.3
Canton	.....	T.	1.0	5.0	13.0	4.0	2.0	(*)	.....	.....
Castlewood	.....	0.3	1.2	4.8	2.2	2.7	(*)	3.5	.....	.....
Cedar Canyon	(*)	(*)	(*)	(*)	13.1	4.0	17.5	(*)	3.0	.....
Centerville	.....	0.5	1.4	7.5	14.8	6.2	4.0	.....	.....	34.4
Chamberlain	.....	.....	.....	(*)	(*)	6.0	14.0	(*)	(*)	.....
Clark	.....	1.0	1.6	5.5	9.1	6.0	11.0	(*)	.....	.....
Colome	(*)	(*)	(*)	(*)	13.8	4.0	(*)	5.5	.....	.....
Cottonwood	.....	0.2	.....	4.3	7.7	0.9	1.3	6.2	T.	20.6
Crow Creek	(*)	(*)	(*)	(*)	17.3	4.5	(*)	1.2	.....	.....
Custer	.....	(*)	.....	6.0	(*)	3.0	(*)	29.5	T.	.....
Deadwood	.....	26.0	.....	13.5	17.5	6.5	10.0	54.0	6.0	133.5
Deerfield	.....	4.6	.....	10.9	16.7	7.2	2.6	42.9	2.0	86.9
De Smet	(*)	T.	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Dowling	.....	T.	T.	13.5	27.5	8.5	8.0	(*)	T.	.....
Dumont	.....	24.6	0.5	14.3	22.6	11.9	6.0	41.4	2.5	123.8
Eagle Butte	.....	1.0	0.5	4.4	4.8	3.3	5.5	4.2	T.	23.7
Eales	.....	2.0	0.5	6.6	9.9	7.1	11.3	2.3	0.1	39.8
Elk Mountain	.....	2.0	.....	9.0	19.0	7.0	2.0	22.0	T.	61.0
Ellingson	.....	1.0	T.	5.5	6.0	T.	6.5	0.5	(*)	.....
Eureka	.....	2.6	2.0	7.5	5.0	6.0	4.0	(*)	.....	.....
Fairfax	.....	T.	1.0	6.5	12.0	6.5	5.0	1.5	.....	32.5
Faulkton	.....	1.0	1.0	3.0	6.1	10.5	20.0	13.4	T.	55.0
Flandreau	.....	T.	0.8	2.0	1.6	T.	3.2	(*)	.....	.....
Forestburg	.....	T.	2.1	2.9	2.9	3.5	6.7	12.5	.....	30.6
Fort Meade	.....	5.0	.....	3.6	11.0	4.0	3.8	16.8	1.1	45.3
Gann Valley	.....	.....	0.2	5.5	9.4	4.7	10.2	(*)	.....	.....
Greenmont	.....	29.0	T.	33.0	52.5	15.0	7.0	61.0	5.0	202.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
South Dakota—Continued.										
Hardingrove	.....	.....	.....	10.1	10.6	8.0	8.2	2.0	T.	38.9
Hardy Ranger Station	.....	30.5	1.0	24.5	35.6	9.4	11.0	47.0	2.0	161.0
Harveys Ranch	.....	20.9	T.	12.5	24.2	10.5	8.7	51.2	0.9	128.9
Hermosa	.....	T.	.....	4.7	8.0	4.0	1.5	12.5	T.	30.7
Highmore	.....	.....	T.	2.5	6.0	2.0	5.0	8.0	.....	23.5
Hopewell	.....	1.5	0.5	9.0	13.0	13.5	7.0	4.0	.....	48.5
Hot Springs	.....	1.0	.....	10.0	10.0	4.0	3.0	17.0	.....	45.0
Howard	(*)	(*)	0.5	(*)	3.0	12.0	5.0	(*)	.....	.....
Howell	.....	T.	0.2	2.2	3.0	4.1	9.6	1.5	.....	20.6
Huron	.....	0.1	1.4	4.0	6.8	3.9	8.2	5.3	.....	29.7
Interior	.....	T.	.....	5.0	13.0	(*)	(*)	11.0	.....	.....
Ipswich	.....	T.	0.5	4.0	1.5	5.0	18.0	(*)	.....	.....
Jefferson	.....	2.0	T.	7.0	10.0	4.0	10.0	T.	T.	33.0
Kadoka	.....	T.	.....	(*)	(*)	(*)	(*)	4.5	T.	.....
Kennebec	.....	1.0	1.0	13.0	17.0	9.0	11.0	9.5	.....	61.5
La Delle	.....	(*)	2.0	3.7	2.0	6.0	5.0	(*)	.....	.....
Lead	.....	25.5	0.5	23.0	26.9	11.0	10.5	54.5	4.0	155.9
Lemmon	.....	2.0	.....	5.5	3.0	3.0	10.0	2.0	2.0	27.5
McIntosh	.....	4.0	.....	11.0	7.0	4.0	7.0	(*)	.....	.....
Marion	.....	T.	1.0	3.7	9.2	11.0	4.0	1.0	.....	29.9
Marston	.....	0.5	0.1	7.8	12.8	8.0	9.0	2.0	.....	40.2
Meadow	.....	2.0	T.	6.0	7.0	6.5	11.0	T.	T.	32.5
Mellette	.....	0.2	0.5	5.0	4.0	8.0	11.0	(*)	.....	.....
Mennon	.....	T.	0.5	5.0	11.5	8.0	1.0	(*)	.....	.....
Milbank	.....	0.8	0.5	5.7	15.3	11.4	19.0	0.8	.....	53.5
Mitchell	.....	T.	1.0	5.0	10.5	12.0	13.0	(*)	.....	.....
Mobridge	.....	T.	.....	5.5	3.5	12.0	7.0	(*)	.....	.....
Murdo	.....	2.0	2.0	4.0	(*)	(*)	3.0	14.0	.....	.....
Oelrichs	.....	6.6	.....	8.4	6.0	1.0	1.0	21.0	.....	44.0
Onaka	.....	T.	.....	2.5	2.5	4.0	(*)	(*)	.....	.....
Onida	.....	T.	T.	5.0	6.0	9.0	11.0	T.	.....	31.0
Orman	.....	0.5	.....	17.0	17.5	7.5	10.0	16.0	.....	68.5
Ottumwa	.....	1.0	.....	10.0	17.0	3.0	7.0	11.0	(*)	.....
Pearl Creek	.....	T.	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Pierre	.....	T.	.....	9.9	16.1	10.8	17.2	4.0	T.	58.0
Pine Ridge	.....	1.5	.....	6.8	8.5	2.0	2.0	17.0	T.	37.8
Pollock	.....	(*)	.....	8.5	11.0	2.5	9.0	(*)	.....	.....
Rapid City	.....	0.7	T.	6.5	13.0	5.4	5.2	13.7	0.5	45.0
Redfield	.....	.....	.....	0.8	4.0	2.0	(*)	(*)	.....	.....
Redig	.....	2.0	T.	10.0	8.5	4.0	7.5	5.0	6.0	43.0
Rochford	.....	13.5	.....	14.0	21.5	6.2	6.5	32.0	.....	93.7
Rosebud Agency	.....	0.2	.....	7.6	16.0	3.5	8.0	13.0	T.	48.3
Roslyn	.....	2.0	1.6	3.7	4.8	2.8	4.1	4.3	.....	23.3
Sioux Falls	.....	.....	3.5	8.0	7.7	2.0	(*)	T.	.....	.....
Spearfish	.....	3.0	.....	11.0	13.0	5.5	5.0	11.0	4.0	52.5
Stephan	.....	T.	T.	2.0	5.0	4.0	5.0	4.0	T.	20.0
Timber Lake	.....	(*)	(*)	(*)	(*)	9.0	12.2	(*)	1.0	.....
Tyndall	.....	T.	3.0	7.0	4.5	1.0	0.8	1.0	.....	17.3
Vale	.....	T.	.....	12.0	14.0	6.5	3.5	9.0	T.	45.0
Vermillion	.....	1.0	3.0	11.7	13.3	9.0	4.5	T.	.....	42.5
Vivian	.....	T.	.....	(*)	(*)	5.0	5.0	(*)	.....	.....
Wagner	.....	(*)	(*)	4.2	14.5	6.0	6.5	6.5	.....	.....
Waters Ranch	.....	15.8	T.	28.9	23.0	10.2	16.2	42.1	17.0	153.2
Watertown	.....	T.	1.0	4.0	3.0	3.0	5.0	(*)	.....	.....
Wentworth	.....	T.	1.7	4.3	3.5	1.3	8.6	0.1	.....	19.5
White Lake	.....	.....	.....	(*)	(*)	(*)	(*)	(*)	.....	.....
Wood	.....	T.	T.	3.5	18.8	6.5	6.0	5.0	.....	39.8
Wososo	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Yankton	.....	1.0	1.7	10.1	11.7	9.2	6.5	1.0	.....	41.2
Tennessee.										
Ashwood	.....	.....	T.	12.0	23.0	T.	.....	0.2	.....	35.2
Bolivar	.....	.....	.....	11.9	11.4	T.	.....	0.1	.....	23.4
Byrdstown	.....	T.	T.	12.1	31.4	T.	.....	T.	.....	43.5
Chattanooga	.....	T.	T.	12.3	9.9	.....	.....	T.	.....	22.2
Clarksville	.....	.....	T.	11.0	13.4	1.0	.....	T.	.....	25.4
Decatur	.....	.....	T.	12.3	14.5	T.	.....	T.	.....	26.8
Florence	.....	T.	T.	10.5	27.5	T.	.....	T.	.....	38.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Tennessee—Continued.										
Johnson City	.....	T.	1.5	12.4	14.1	T.	.....	0.5	.....	28.5
Johnsonville	.....	.....	T.	11.4	23.8	2.0	.....	T.	.....	37.2
Knoxville	.....	T.	T.	7.0	13.7	0.5	T.	T.	.....	21.2
McMinnville	.....	T.	T.	10.8	33.0	T.	.....	T.	.....	43.8
Memphis	.....	.....	T.	11.2	13.9	.....	.....	T.	.....	25.1
Nashville	.....	T.	T.	10.5	18.5	1.0	.....	T.	.....	30.0
Palmetto	.....	.....	T.	10.0	24.0	.....	.....	T.	.....	34.0
Rogersville	.....	T.	T.	8.3	13.5	T.	.....	T.	.....	21.8
Rugby	.....	T.	T.	15.0	22.0	T.	.....	T.	.....	37.0
Sparta	.....	T.	.....	6.9	15.8	T.	.....	T.	.....	22.7
Trenton	.....	.....	.....	17.0	27.0	1.0	.....	T.	.....	45.0
Union City	.....	.....	T.	23.0	29.0	3.0	.....	0.4	.....	55.4
Waynesboro	.....	.....	T.	6.4	19.2	T.	.....	0.2	.....	25.8
Yukon	.....	.....	.....	6.0	13.5	.....	.....	T.	.....	19.5
Texas.										
Abilene	.....	.....	.....	.....	9.1	.....	.....	.....	.....	9.1
Albany	.....	.....	.....	.....	7.8	.....	.....	.....	.....	7.8
Alice	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Alvin	.....	.....	.....	.....	2.5	.....	.....	.....	.....	2.5
Amarillo	.....	0.5	0.2	0.4	10.1	T.	.....	0.3	.....	11.5
Anahuac	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Anderson	.....	.....	.....	.....	2.0	.....	.....	.....	.....	2.0
Angleton	.....	.....	.....	.....	0.8	(*)	.....	.....	.....	.....
Antelope	.....	.....	.....	0.2	5.8	.....	.....	.....	.....	6.0
Archer City	.....	.....	.....	T.	6.5	.....	.....	.....	.....	6.5
Arthur City	.....	.....	.....	.....	6.0	.....	.....	.....	.....	6.0
Aspermont	.....	.....	.....	T.	3.5	.....	.....	.....	.....	3.5
Austin	.....	.....	.....	.....	2.0	.....	.....	.....	.....	2.0
Austwell	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Ballinger	.....	.....	.....	.....	5.0	T.	.....	.....	.....	5.0
Barstow	.....	.....	.....	.....	4.0	.....	.....	.....	.....	4.0
Beaumont	.....	.....	.....	.....	0.2	.....	.....	.....	.....	0.2
Beeville	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Big Spring	.....	.....	.....	.....	3.0	.....	.....	.....	.....	3.0
Big Wells	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Blanco	.....	.....	.....	.....	0.5	.....	.....	.....	.....	0.5
Boerne	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Bonham	.....	.....	.....	.....	8.0	.....	.....	.....	.....	8.0
Bovina	.....	.....	.....	.....	2.0	.....	.....	.....	.....	2.0
Bowie	.....	.....	.....	0.5	7.1	.....	.....	.....	.....	7.6
Brazoria	.....	.....	.....	.....	0.5	.....	.....	.....	.....	0.5
Brazos	.....	.....	.....	.....	8.0	.....	.....	.....	.....	8.0
Brenham	.....	.....	.....	.....	1.5	.....	.....	.....	.....	1.5
Bridgeport	.....	.....	.....	T.	6.0	.....	.....	.....	.....	6.0
Brighton	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Brownfield	.....	.....	.....	T.	8.5	.....	.....	.....	.....	8.5
Brownsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Brownwood	.....	.....	.....	.....	(*)	.....	.....	.....	.....	.....
Buena Vista	.....	.....	.....	.....	6.0	.....	.....	.....	.....	6.0
Cameron	.....	.....	.....	.....	2.5	.....	.....	.....	.....	2.5
Canadian	.....	0.2	.....	0.5	10.6	.....	.....	.....	.....	11.3
Childress	.....	.....	.....	0.1	4.2	.....	.....	.....	.....	4.3
Chillicothe	.....	.....	.....	.....	4.0	.....	.....	.....	.....	4.0
Clarendon	.....	.....	.....	T.	1.9	.....	.....	.....	.....	1.9
Clarksville	.....	.....	.....	.....	11.5	.....	.....	.....	.....	11.5
Claude	.....	.....	.....	.....	2.1	.....	.....	.....	.....	2.1
Claytonville	.....	.....	.....	.....	5.5	.....	.....	.....	.....	5.5
Cleburne	.....	.....	.....	.....	5.5	0.2	.....	.....	.....	5.7
Clifton	.....	.....	.....	.....	6.0	0.2	.....	.....	.....	6.2
Coleman	.....	.....	.....	.....	4.7	.....	.....	.....	.....	4.7
College Station	.....	.....	.....	.....	3.7	.....	.....	.....	.....	3.7
Colorado	(*)	.....	.....	.....	(*)	(*)	.....	.....	.....	.....
Columbus	.....	.....	.....	.....	2.2	.....	.....	.....	.....	2.2
Copperas Cove	.....	.....	.....	.....	5.0	.....	.....	.....	.....	5.0
Corpus Christi	.....	.....	.....	.....	0.4	.....	.....	.....	.....	0.4
Corsicana	.....	.....	.....	.....	6.0	.....	.....	.....	.....	6.0
Cotulla	.....	.....	.....	.....	(*)	(*)	(*)	(*)	(*)	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Crosbyton				T.	10.3					10.3
Crowell					6.0					6.0
Cuero					0.8					0.8
Dalhart					2.5	0.5				3.0
Dallas				T.	9.0	0.2				9.2
Danevang	(*)				0.2					
Del Rio					0.5					0.5
Denison (near)	(*)	(*)	(*)	(*)	10.2					
Denton					6.5					6.5
Devine	(*)	(*)	(*)	(*)	3.0	(*)				
Dialville					3.0					
Dilley					1.0					1.0
Dublin					3.0					3.0
Eagle Pass					0.5					0.5
Eastland					8.0					8.0
Edna					0.5					0.5
El Paso					5.5	T.	T.			5.5
Encinal					2.0					2.0
Fairland					2.5					2.5
Falfurrias					T.					T.
Finley					(*)					
Flatonia					1.5					1.5
Flint					4.0					4.0
Floresville					4.0					4.0
Fort Clark					0.3					0.3
Fort Davis					11.0		5.0			16.0
Fort McIntosh					0.2					0.2
Fort McKavett (near)		(*)			2.2	T.				
Fort Stockton					2.5					2.5
Fort Worth					6.2	T.				6.2
Fowlerton					2.0					2.0
Gainesville					10.0					10.0
Galveston					0.5					0.5
Garden City					5.0					5.0
Gatesville					4.5					4.5
Georgetown					6.0	T.				6.0
George West					1.0					1.0
Goliad					T.					T.
Gonzales					1.2					1.2
Gorham					7.0					7.0
Graham				T.	8.0					8.0
Grand Falls					1.0					1.0
Grapevine					10.9	(*)	(*)	(*)	(*)	
Greenville					6.0					6.0
Hallettsville					3.0					3.0
Hamilton					4.0	T.				4.0
Hamlin				(*)	5.0					
Haskell				T.	8.5					8.5
Hebbronville	(*)	(*)	(*)	(*)						
Hempstead					0.1					0.1
Henderson					6.1					6.1
Henrietta					6.0					6.0
Hewitt					4.5	T.				4.5
Hico					5.0					5.0
Highbank					3.0					3.0
Hillsboro					6.0	T.				6.0
Hills Ranch					(*)					
Hitchcock					0.1					0.1
Hondo					2.0					2.0
Honey Grove				T.	8.0					8.0
Houston					0.2					0.2
Huntsville					T.					T.
Index					8.0					8.0
Jayton					4.0					4.0
Jefferson					(*)					
Jourdanton					2.0					2.0
Junction					6.0					6.0
Kaufman					8.0					8.0
Kerrville					2.5					2.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Knickerbocker					6.0					6.0
Kopperl					7.0	0.5				7.5
Lagrange					1.7					1.7
Lamesa					4.5					4.5
Lamkin					3.0	T.				3.0
Lampasas					5.0					5.0
La Parra	(*)	(*)			0.5					
La Pryor					0.5					0.5
Laredo										0.0
Laureles Ranch				(*)		(*)				
Liberty					T.					T.
Lieb (near)		0.2	(*)	(*)	1.5			T.		
Llano					6.0	T.				6.0
Lobo					11.5	T.				11.5
Long Lake					7.0		(*)	(*)		
Longview					2.0					2.0
Lubbock				T.	8.1					8.1
Lufkin					3.0					3.0
Luling					1.3					1.3
McGregor	(*)	(*)	(*)	(*)	(*)	(*)				
McKinney					5.0					5.0
Marble Falls					1.0					1.0
Marshall					3.8					3.8
Matagorda					0.5					0.5
Mathis					T.					T.
Memphis				T.	3.5					3.5
Mercedes	(*)				T.					
Mexia					4.4					4.4
Miami		T.		0.5	4.2					4.7
Midland					2.5		(*)			
Mont Belvieu					T.		(*)	(*)	(*)	
Montell					1.0					1.0
Munday				T.	6.5					6.5
Nacogdoches					2.0					2.0
Navasota					1.1					1.1
New Braunfels					2.5					2.5
Ochiltree					(*)	(*)	(*)	(*)	(*)	
Orange					T.					T.
O. 2 Ranch					8.5	T.				8.5
Paducah					10.0					10.0
Palestine					5.3					5.3
Panhandle					4.5					4.5
Panter			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Paris					8.0					8.0
Pearsall					1.2					1.2
Pierce					T.					T.
Plainview				T.	11.0					11.0
Port Arthur					0.5	T.				0.5
Port Lavaca	(*)	(*)		(*)	1.2					
Post				T.	5.0					5.0
Putnam					7.0					7.0
Quanah					4.5					4.5
Ratcliff				T.	4.0					4.0
Raymondville					T.					T.
Ricardo					0.2					0.2
Ringo Crossing					2.5					2.5
Rio Grande										0.0
Riverside					1.5					1.5
Rochelle					4.0					4.0
Rockland					0.4					0.4
Romero	(*)	(*)	(*)	(*)	5.6	0.5				
Rosenberg					0.5					0.5
Rossville					3.5					3.5
Runge					0.2					0.2
Sabinal					1.5					1.5
Salado					3.0					3.0
San Angelo					7.5			(*)		
San Antonio					0.4					0.4
San Augustine			(*)	(*)	(*)	(*)	(*)	(*)	(*)	

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
San Marcos					2.0					2.0
San Saba		(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Santa Gertrudes			(*)	(*)	(*)	(*)			(*)	
Sherman				T.	9.2					9.2
Smithville					3.0					3.0
Snyder			(*)		2.5					
Somerville					2.5					2.5
Spur					2.5					2.5
Stamford			(*)		5.2			(*)		
Stiles					7.0					7.0
Sugarland					2.0					2.0
Sweetwater					6.5					6.5
Taylor					2.0	T.				2.0
Temple					2.0					2.0
Thurber					5.6	T.				5.6
Trinidad					5.0					5.0
Troup					4.0					4.0
Tulia				T.	10.5					10.5
Uvalde					1.0					1.0
Valley Junction					2.0					2.0
Victoria					1.0					1.0
Waco					3.5					3.5
Waxahachie					9.0					9.0
Weatherford					6.0					6.0
Wellington					4.0					4.0
Whitsett					0.5					0.5
Wichita Falls				1.0	10.0					11.0
Wills Point					3.2					3.2
Winfield (near)					9.0					9.0
Winters					(*)					
Woodsboro										0.0
Woodville					1.6					1.6
Utah.										
Alpine		0.5	2.5	21.0	57.0	15.0				96.0
Alton					7.5	8.0	7.0	1.0	(T.)	23.5
Alunite			3.5	1.7	10.4	5.7	6.2	2.3	(T.)	29.8
Beaver	(*)	(*)	(*)	(*)	16.0	10.5	17.4	1.8	4.3	
Benmore			5.0	2.0	(*)	12.0	2.0	10.5		
Big Plains			(*)	(*)	(*)	(*)	(*)		(*)	
Black Rock			T.	T.	4.5	3.2	0.3	5.0		13.0
Blacks Fork		4.0	2.3	23.5	66.2	34.0	20.5	16.2	(*)	
Blanding			T.		9.5	T.	T.			9.5
Bluff			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Brigham City				(*)	(*)	(*)	(*)			
Burrville					(*)	(*)	(*)			
Castle Dale			T.		3.8	T.	(*)	T.	T.	
Cedar City			(*)	0.5	7.5	6.0	(*)	(*)		
Clarkston			(*)		(*)	(*)	(*)	(*)		
Corinne				2.0	13.8	3.0	(*)	T.		
Cottonwood Nursery		8.0	(*)	(*)	(*)	(*)	(*)	(*)	14.0	
Cottonwood Weir		T.	T.	11.0	61.2	30.7	5.5	13.5	T.	121.9
Deseret			3.0	T.	5.0	4.0	3.0	4.0		19.0
Dry Gulch Ranger Station		(*)	7.0	6.0	(*)	(*)	(*)	(*)	2.0	
Duchesne			T.	0.7	3.0	1.5	T.			5.2
East Portal		1.0	8.0	12.0	44.0	21.0	12.0	5.0	2.0	105.0
Elberta	(*)	(*)	(*)	0.5	(*)	(*)	0.5	3.0		
Elkhorn-Ashley		0.5	0.5	3.0	7.0	2.0	2.0	6.0	T.	21.0
Emery					4.0	T.	(*)	T.		
Enterprise				2.0	5.5	9.0	5.0	4.0		25.5
Escalante					3.0	1.0	(*)			
Farmington		T.	T.	4.3	56.9	13.8	15.1	7.8		97.9
Fillmore			9.0	1.0	25.0	23.0	5.0	10.0		73.0
Fort Duchesne					4.0	1.0		1.5		6.5
Garland		T.	T.	1.8	14.0	12.0	T.	T.		27.8
Government Creek			9.3	2.2	(*)	10.0		3.7		
Grantsville				1.0	11.9	12.5	5.0	T.		30.4
Green River					4.5	(*)	(*)			

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Utah—Continued.										
Hanksville					1.5					1.5
Hatch			T.		2.5	7.0	4.5	1.0		15.0
Heber		T.	7.0	6.0	64.0	17.0		7.0		101.0
Henefer		T.	1.0	7.2	29.2	11.5	16.0	10.0	T.	74.9
High Line City Creek		T.	10.0	10.5	89.0	30.5	13.0	T.		153.0
Hole in the Rock		T.	11.0	(*)	14.0	19.0	12.0	18.0	(*)	
Huntsville			(*)	T.	33.3	8.0	8.1	3.0		
Ibapah			3.8	0.5	7.0	14.0	3.5	0.5	3.0	32.3
Indian Farm		T.	3.0	0.3	9.0	6.5	4.0	T.	2.0	24.8
Joseph					(*)	(*)	(*)	(*)		
Jozella Ranch					T.	T.	(*)	T.	T.	
Kanosh			4.0	0.5	29.0	33.0	15.0	5.0		86.5
Kelton				T.	9.1	5.0	(*)			
Laketown			1.0	6.5	15.5	11.0	6.0	1.0	2.0	43.0
Lake View Farm			4.0	1.5	28.0	8.0	6.1	1.3	T.	48.9
La Sal					20.5	(*)				
Leeds (near)					2.0	3.0				5.0
Lehi		0.3	T.	0.5	29.7	(*)		4.0		
Lemay			T.		(*)	4.0				
Levan			12.0	3.8	33.7	17.4	2.4	6.7		76.0
Lockerby			T.		17.8	0.2	(*)	(*)	(*)	
Logan		T.	(*)	3.0	16.4	15.6	2.5			
Lone Tree		(*)	(*)	(*)	0.2	1.0	(*)	(*)	(*)	
Low					4.0	4.0		0.5	(*)	
Lower American Fork			(*)	19.7	48.8	5.7	(*)	2.5		
Lower Mill Creek			T.	7.2	56.5	26.7	11.5	2.5		104.4
Lucin				0.2	(*)	(*)	(*)	T.		
Manila		2.0	3.0	3.0	5.0	11.0	1.1	20.0		45.1
Manti			2.4		26.3	2.0	3.4	5.3	T.	39.4
Marysvale		(*)	(*)		21.4	(*)	4.0	(*)	(*)	
Midlake				1.0	8.0	4.7				13.7
Midvale		0.5	T.	12.0	(*)	(*)	4.5	0.5		
Milford			4.0	0.5	5.5	4.1	5.7	5.5	1.0	26.3
Mills			(*)		(*)	(*)	(*)	(*)		
Millville		T.	(*)	4.0	25.0	25.0	7.0	6.0	(*)	
Minersville			3.0		6.5	4.0	8.0	5.0	T.	26.5
Moab				T.	(*)			T.		
Modena			0.1	1.6	1.8	4.0	0.3	4.5	0.3	12.6
Mohrland			3.0		11.0	0.2		(*)	(*)	
Monticello			3.0		11.0	5.0				19.0
Monticello Ranger Station			1.0		4.0	(*)	(*)	(*)		
Morgan	(*)	(*)	(*)	(*)	41.5	8.5	(*)	7.5		
Moroni		T.	7.9	1.3	39.5	2.2	T.	3.5	T.	54.4
Mountain Home			(*)	(*)	(*)	(*)	(*)	(*)	(*)	
Myton	(*)		(*)		4.4	0.2	(*)	(*)	(*)	
Nada			3.0	3.5	8.2	5.5	11.0	9.0		40.2
Nephi (near)			10.0		(*)	(*)	(*)	(*)	(*)	
New Harmony		(*)		(*)		(*)		(*)		
Oak City			5.2	0.8	8.5	11.5	1.5	4.0		31.5
Ogden				2.0	31.0	1.8	(*)	1.0		
Orderville			3.2		(*)	(*)	(*)			
Panguitch				(*)	6.5	3.5	1.5	T.		
Park City		T.	11.0	12.0	(*)	(*)	1.0	(*)		
Park Valley			2.1	0.1	11.8	11.0	(*)			
Parowan				2.0	11.5	4.5	(*)	7.0		
Pasadena Ranch			T.	1.5	11.7	5.5	6.2	3.2	T.	28.1
Payson				3.0	36.0	16.0		7.0		62.0
Pinecrest	(*)	(*)	7.3	14.2	82.0	33.0	18.0	9.0	1.0	
Pine View		(*)	(*)	(*)	32.0	21.0	7.0	11.0		
Pinto					7.0	(*)	10.0		T.	
Piute Dam			1.5	0.1	12.0	2.5	2.1	1.0	(*)	
Price			3.0		4.7	1.2	0.5	0.5		9.9
Provo		T.	0.2	5.0	34.8	(*)	(*)	(*)	(*)	
Provo Bench		T.	T.	9.0	51.0	9.0	T.	4.0		73.0
Randolph		T.		T.	6.0	(*)	(*)	(*)		
Richfield			0.1		10.1	8.0	T.	4.0		22.2
Richmond		T.	T.	1.1	33.9	23.7	4.0	6.0		68.7
Riverdale				1.0	21.2	5.5	4.0	1.0		32.7
Rozel		T.	T.	T.	23.0	8.5	T.	T.		31.5

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Utah—Continued.										
St. George	.....	.....	.....	.....	(*)	1.0	.....	.....	.....	.....
St. John	.....	.....	.....	T.	24.0	4.0	T.	.....	(*)	.....
Saltair	.....	T.	.....	2.0	16.5	14.0	7.5	1.2	.....	41.2
Salt Lake City	.....	T.	T.	2.7	31.0	11.8	7.8	1.0	.....	54.3
Santaquin	.....	T.	T.	1.6	26.5	21.5	2.0	7.0	.....	58.6
Scipio	.....	.....	T.	1.2	24.5	4.0	(*)	2.0	.....	.....
Snake Creek	.....	0.8	7.0	11.5	55.5	19.8	4.0	5.0	.....	103.6
Snowville	(*)	.....	(*)	.....	18.0	8.0	(*)	.....	.....	.....
Spanish Fork	.....	T.	1.0	4.5	22.5	12.0	T.	7.2	.....	47.2
Standrod	.....	0.8	6.5	2.6	17.2	13.1	3.3	2.5	T.	46.0
Sunnyside	(*)	(*)	(*)	(*)	1.0	6.0	(*)	(*)	3.0	.....
Teasdale	.....	.....	.....	.....	(*)	(*)	3.0	(*)	.....	.....
Thistle	.....	0.5	1.0	1.9	50.0	19.0	3.5	11.0	1.0	87.9
Thompsons	.....	(*)	(*)	(*)	6.0	1.0	(*)	.....	(*)	.....
Tooele	.....	T.	6.0	2.5	29.0	23.5	7.0	13.0	.....	81.0
Tremonton	.....	.....	1.4	2.0	28.5	14.4	T.	1.2	.....	47.5
Tropic	.....	.....	.....	.....	2.0	1.0	6.0	.....	.....	9.0
Trout Creek Ranger Station	(*)	(*)	13.5	(*)	(*)	(*)	(*)	(*)	(*)	.....
University of Utah	.....	.....	.....	.....	(*)	(*)	(*)	1.0	.....	.....
Utah Experiment Station	.....	T.	25.5	(*)	(*)	(*)	(*)	23.0	11.5	.....
Utah Experiment Station, Alpine	.....	T.	19.0	(*)	(*)	(*)	(*)	7.0	6.5	.....
Vernal	.....	.....	0.5	.....	(*)	(*)	(*)	T.	.....	.....
Victor	.....	.....	.....	.....	4.0	.....	(*)	.....	.....	.....
Watson (near)	.....	.....	(*)	.....	15.8	5.3	.....	6.5	.....	.....
Wendover	.....	.....	.....	T.	(*)	1.4	(*)	.....	T.	.....
Whiskey Creek	.....	.....	5.0	.....	11.0	8.0	1.0	4.0	.....	29.0
Widtsoe	.....	(*)	(*)	.....	8.0	(*)	(*)	.....	.....	.....
Woodruff	(*)	(*)	(*)	(*)	1.0	6.0	(*)	(*)	(*)	.....
Vermont.										
Bloomfield	.....	.....	5.3	32.8	25.4	24.5	18.5	(*)	.....	.....
Burlington	.....	T.	5.0	12.4	19.4	9.4	21.6	4.6	.....	72.4
Cavendish	.....	.....	4.1	38.0	23.2	10.8	20.2	5.8	.....	102.1
Chelsea	.....	2.0	7.0	31.0	27.0	9.0	22.0	9.0	.....	107.0
Cornwall	.....	T.	3.0	17.5	31.0	9.5	21.0	4.0	.....	86.0
Enosburg Falls	.....	1.0	11.0	27.0	49.0	20.5	19.0	5.0	.....	132.5
Hyde Park	.....	.....	13.0	25.0	45.0	23.0	31.0	8.5	.....	145.5
Northfield	.....	T.	9.1	25.4	21.5	13.6	15.8	15.0	.....	100.4
Rutland	.....	.....	2.4	14.1	18.8	7.3	16.1	2.9	.....	61.6
Somerset	.....	.....	8.0	37.2	25.6	17.0	17.9	7.2	.....	112.9
St. Johnsbury	.....	.....	7.1	21.4	19.0	16.0	20.3	2.4	.....	86.2
Vernon	.....	.....	1.0	20.0	9.0	8.0	12.2	11.0	.....	61.2
Wells	.....	.....	1.5	16.0	15.0	7.0	12.0	6.0	.....	57.5
Woodstock	.....	T.	8.5	31.0	28.0	13.5	18.0	8.0	.....	107.0
Virginia.										
Arcola	.....	.....	1.4	5.8	18.1	1.0	.....	6.0	.....	32.3
Ashland	.....	T.	T.	14.3	18.0	0.8	.....	3.0	.....	36.1
Blacksburg	.....	1.0	T.	21.0	37.0	1.0	.....	4.0	.....	63.0
Buchanan	.....	T.	T.	17.0	26.5	.....	.....	4.5	.....	48.0
Burkes Garden	.....	6.0	T.	18.0	24.0	1.0	T.	2.0	.....	51.0
Callaville	.....	.....	T.	16.4	11.8	0.8	.....	0.6	.....	29.6
Cape Henry	.....	.....	.....	12.3	5.2	1.0	.....	.....	.....	18.5
Catawba Sanatorium	.....	T.	T.	16.3	31.0	T.	.....	.....	.....	47.3
Charlottesville (near)	.....	T.	T.	10.5	28.0	1.5	.....	2.0	.....	42.0
Clarkesville	.....	.....	.....	13.0	11.0	1.0	.....	4.0	.....	29.0
Columbia	.....	T.	.....	13.0	27.5	1.0	.....	3.0	.....	44.5
Culpeper	.....	.....	1.0	12.0	25.0	1.0	.....	6.0	.....	45.0
Dale Enterprise	.....	2.0	T.	17.0	37.5	2.0	T.	14.0	.....	72.5
Dante	.....	T.	T.	16.9	19.5	1.0	.....	T.	.....	37.4
Danville	.....	.....	.....	12.0	12.0	1.0	.....	2.0	.....	27.0
Diamond Springs	.....	.....	.....	12.5	9.0	.....	.....	T.	.....	21.5
Doswell (near)	.....	T.	.....	9.0	16.5	(*)	.....	1.0	.....	.....
Dry Bridge	.....	.....	.....	15.0	14.5	0.5	.....	2.0	.....	32.0
Elk Knob	.....	.....	T.	21.0	18.7	1.5	.....	.....	.....	41.2
Fredericksburg (near)	.....	T.	2.0	8.2	18.9	1.0	.....	6.0	.....	36.1
Gordonsville	.....	1.5	0.5	10.0	29.5	2.0	.....	4.0	.....	47.5
Hawfield	.....	T.	0.5	11.6	(*)	0.2	T.	6.0	.....	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Virginia—Continued.										
Hopewell	(*)	(*)	.....	9.3	(*)	(*)	.....	T.	.....	.....
Hot Springs	.....	T.	0.1	14.3	(*)	2.5	.....	15.0	.....	.....
Ivanhoe	.....	.....	.....	(*)	(*)	(*)	.....	(*)	.....	.....
Ivor	.....	.....	.....	16.0	13.8	1.0	.....	2.0	.....	32.8
Kindrick	.....	.....	.....	25.0	19.0	.....	.....	T.	.....	44.0
Lassiter	.....	.....	T.	14.5	25.5	1.0	.....	T.	.....	41.0
Leeds Manor	.....	6.0	1.0	16.0	32.2	0.1	.....	16.0	.....	71.3
Lexington	.....	T.	.....	11.5	27.3	1.0	.....	3.3	.....	43.1
Lincoln	.....	T.	2.0	9.0	24.5	.....	.....	6.0	.....	41.5
Lynchburg	.....	T.	T.	12.1	19.6	1.3	.....	2.4	.....	35.4
Mayhurst	.....	.....	2.0	9.0	28.0	.....	.....	2.0	.....	41.0
Mendota	.....	T.	T.	14.6	16.9	0.6	.....	T.	.....	32.1
Mineral	.....	T.	T.	5.9	16.7	1.0	.....	6.0	.....	29.6
Mount Weather	.....	4.0	2.0	13.0	21.0	.....	.....	22.0	.....	62.0
Narrows	.....	3.0	.....	24.0	17.0	.....	.....	6.0	.....	50.0
New Canton	.....	.....	T.	13.0	26.0	2.0	.....	4.0	.....	45.0
Newport News	.....	.....	T.	15.2	10.0	1.0	.....	T.	.....	26.2
Norfolk	.....	.....	.....	13.9	9.1	1.0	.....	.....	.....	24.0
North Holston	.....	0.3	.....	13.1	10.2	1.3	.....	T.	.....	24.9
Radford	.....	2.0	.....	19.0	26.0	1.0	.....	4.0	.....	52.0
Randolph	.....	.....	.....	10.0	15.7	.....	.....	2.0	.....	27.7
Richmond	.....	.....	T.	15.3	14.4	1.3	.....	2.7	.....	33.7
Roanoke	.....	T.	T.	21.5	20.5	2.5	.....	T.	.....	44.5
Rocky Mount	.....	.....	.....	23.0	14.0	3.0	.....	3.0	.....	43.0
Runnymede	.....	.....	T.	18.0	22.0	0.8	.....	1.0	.....	41.8
Speers Ferry	.....	.....	1.0	12.0	22.0	1.0	.....	T.	.....	36.0
Staunton	.....	T.	.....	12.5	27.0	2.0	.....	13.0	.....	54.0
Swansonville	.....	T.	.....	16.5	7.1	0.1	.....	.....	.....	23.7
Wachapreague	.....	.....	.....	11.5	(*)	(*)	.....	(*)	.....	.....
Warsaw (near)	.....	.....	.....	16.0	22.5	(*)	.....	2.0	.....	.....
Washington, D. C	.....	T.	2.5	6.8	22.6	1.5	.....	3.0	.....	36.4
West Point	.....	.....	.....	5.8	11.5	.....	.....	T.	.....	17.3
Widewater	(*)	(*)	(*)	10.0	20.0	.....	(*)	(*)	.....	.....
Williamsburg	.....	.....	.....	14.5	14.0	1.0	.....	T.	.....	29.5
Winchester	.....	3.0	3.3	13.5	30.0	1.5	.....	22.0	.....	73.3
Woodstock	.....	T.	T.	10.5	26.0	0.5	.....	10.0	.....	47.0
Wytheville	.....	2.0	T.	23.1	19.2	0.1	.....	0.7	.....	45.1
Washington.										
Aberdeen	.....	.....	.....	.....	.....	2.0	.....	.....	.....	2.0
Anacortes	.....	.....	.....	.....	.....	0.5	1.0	.....	.....	1.5
Anatone	.....	.....	.....	7.0	15.0	6.0	7.0	2.0	4.0	41.0
Attalia	.....	.....	.....	T.	T.	T.	.....	T.	.....	T.
Bellingham	.....	.....	.....	2.5	(*)	(*)	5.0	.....	.....	.....
Blaine	.....	.....	.....	1.0	1.5	0.1	T.	.....	.....	2.6
Blewett	(*)	(*)	13.0	20.0	19.0	17.0	4.0	2.0	(*)	.....
Bremerton	.....	.....	.....	T.	4.0	(*)	(*)	.....	.....	.....
Brewster	.....	.....	2.8	11.0	5.6	8.1	.....	.....	.....	27.5
Buckley	.....	.....	.....	.....	T.	10.8	3.7	0.4	.....	14.9
Bumping Lake	.....	3.0	14.0	28.0	28.0	48.0	17.0	1.0	T.	139.0
Cascade Tunnel	(*)	(*)	27.5	106.0	87.5	69.0	45.5	16.5	(*)	.....
Castle Rock	.....	.....	.....	.....	.....	5.0	2.8	.....	.....	7.8
Cedar Lake	.....	.....	.....	(*)	2.5	27.0	26.0	13.0	T.	.....
Centralia	.....	.....	.....	.....	T.	6.0	0.8	.....	.....	6.8
Chesaw	.....	.....	1.0	12.5	13.5	8.5	3.5	(*)	(*)	.....
Clearbrook	.....	.....	.....	9.0	.....	5.5	13.0	.....	.....	27.5
Cle Elum	.....	T.	7.5	35.0	17.0	17.0	3.0	4.0	2.0	85.5
Colfax	.....	.....	.....	4.0	11.0	7.0	.....	.....	.....	22.0
Colville	.....	T.	T.	19.3	9.6	5.5	1.8	.....	.....	36.2
Conconully	.....	T.	3.5	13.5	8.2	12.0	0.5	.....	.....	37.7
Congers Ranch	(*)	(*)	11.0	20.0	13.5	(*)	(*)	(*)	(*)	.....
Cougar	(*)	(*)	.....	3.0	4.0	19.0	(*)	(*)	(*)	.....
Coupeville	.....	.....	.....	.....	.....	0.2	.....	.....	.....	0.2
Cowiche	.....	.....	9.5	7.8	5.0	6.2	2.5	T.	.....	31.0
Darrington	.....	.....	.....	3.5	4.0	6.0	15.0	(*)	(*)	.....
Davenport	.....	T.	1.0	7.5	5.0	8.0	7.8	0.2	.....	29.5
Davis Ranch	.....	T.	.....	38.1	15.7	33.5	12.3	T.	.....	99.6
Dayton	.....	.....	.....	.....	7.0	6.1	T.	T.	.....	13.1

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Washington—Continued.										
Deer Park	.....	1.0	T.	9.0	11.5	13.0	2.0	1.0	.....	37.5
Detroit	.....	.....	.....	T.	T.	5.0	T.	.....	.....	5.0
Dirtyface Mountain	.....	T.	23.0	71.0	42.0	54.0	5.0	1.5	T.	196.5
Douglas Lake	.....	.....	.....	2.0	.....	1.0	(*)	.....	.....	.....
Dryden	.....	T.	9.0	26.5	14.0	15.0	T.	T.	.....	64.5
Ellensburg	.....	.....	7.0	3.5	10.0	4.0	T.	.....	.....	24.5
Eureka	.....	.....	.....	(*)	1.0	(*)	.....	.....	.....	.....
Everett	.....	.....	.....	.....	.....	4.0	1.0	.....	.....	5.0
Fairfax	.....	.....	.....	0.2	.....	.....	(*)	.....	.....	.....
Forks	.....	.....	.....	.....	.....	1.5	T.	T.	.....	1.5
Fort Simcoe	.....	.....	8.0	(*)	4.0	14.0	T.	T.	.....	.....
Glacier	.....	.....	.....	42.0	(*)	(*)	(*)	(*)	(*)	.....
Glenoma	.....	.....	(*)	.....	2.0	4.5	.....	.....	.....	.....
Goat Lake	.....	2.0	.....	65.0	61.0	62.0	33.0	22.0	15.0	250.0
Gold Creek	.....	T.	8.5	16.5	15.5	6.5	1.5	T.	T.	48.5
Goldendale	.....	.....	.....	T.	T.	11.0	.....	T.	.....	11.0
Gold Hill	(*)	(*)	14.0	79.0	61.0	66.0	(*)	(*)	(*)	.....
Granger	.....	.....	.....	T.	.....	1.6	(*)	.....	.....	.....
Granite Falls	.....	.....	.....	0.5	T.	4.0	7.0	1.0	.....	12.5
Guler	(*)	(*)	7.5	5.5	8.0	25.5	13.5	3.0	(*)	.....
Hanford	.....	.....	.....	1.0	2.2	.....	.....	.....	.....	3.2
Harrington	.....	.....	.....	3.5	T.	2.5	3.0	T.	.....	9.0
Hatton	.....	.....	.....	0.5	1.5	3.2	T.	.....	.....	5.2
Headworks	.....	.....	.....	T.	.....	3.3	1.9	T.	.....	5.2
Hunters	.....	.....	T.	9.0	7.2	5.6	T.	.....	.....	21.8
Huntsville	.....	.....	.....	T.	5.5	7.0	1.0	T.	.....	13.5
Ione	(*)	(*)	(*)	(*)	22.0	(*)	(*)	(*)	(*)	.....
Irene Mountain	.....	T.	1.5	13.8	15.2	7.5	5.8	0.2	T.	44.0
Jay	(*)	(*)	7.0	16.8	11.5	(*)	(*)	(*)	(*)	.....
Kahlotus	.....	.....	.....	0.5	2.5	T.	.....	.....	.....	3.0
Kalama	.....	.....	.....	.....	.....	4.7	T.	.....	.....	4.7
Kennewick	.....	.....	.....	.....	1.5	3.0	.....	.....	.....	4.5
Kent, near	.....	.....	.....	.....	.....	4.3	3.7	.....	.....	8.0
Kettle Falls	.....	T.	.....	15.5	10.5	5.5	.....	.....	.....	31.5
Keystone	.....	T.	T.	4.0	4.2	3.1	2.5	0.5	.....	14.3
Kiona	.....	.....	.....	T.	3.5	T.	.....	.....	.....	3.5
La Center	.....	.....	.....	.....	.....	9.2	T.	.....	.....	9.2
La Crosse	.....	.....	.....	1.0	7.5	2.5	.....	T.	.....	11.0
Lake Clealum	.....	T.	11.0	35.0	16.0	21.0	5.0	.....	.....	88.0
Lake Kachess	.....	T.	12.5	31.0	25.0	38.5	9.5	11.0	T.	127.5
Lake Keechelus	.....	.....	19.0	43.0	36.0	52.0	15.0	13.0	T.	178.0
Lakeside	.....	T.	6.5	18.5	4.5	8.0	(*)	(*)	(*)	.....
Landsburg	.....	.....	.....	.....	.....	(*)	.....	.....	.....	.....
Laurel	.....	.....	6.0	23.6	8.6	26.0	7.3	2.2	.....	73.7
Laurier	.....	3.7	0.5	38.0	22.2	11.8	5.0	.....	.....	81.2
Leavenworth	.....	T.	12.0	32.3	16.5	15.0	2.0	(*)	.....	.....
Liberty Ranger Station	(*)	(*)	(*)	(*)	34.0	8.0	2.0	(*)	(*)	.....
Little Fish Receiving Station	(*)	(*)	12.0	(*)	9.0	6.0	.....	(*)	(*)	.....
Lone Tree	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Longmires Springs	.....	1.0	1.0	28.0	39.5	36.7	19.5	12.0	3.0	140.7
Lost Creek	.....	T.	2.2	10.5	11.5	9.5	5.0	T.	T.	38.7
Lowden	.....	.....	.....	.....	1.2	0.5	T.	.....	.....	1.7
Marietta	.....	.....	.....	2.5	1.5	2.7	2.0	.....	.....	8.7
Maryhill	.....	.....	.....	.....	(*)	6.0	(*)	.....	.....	.....
McCumbers ranch	.....	.....	4.5	5.0	6.0	13.0	2.0	0.5	.....	31.0
Mill Creek	.....	.....	.....	2.7	13.5	10.2	6.2	.....	.....	32.6
Mold	.....	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....
Mottinger	.....	.....	.....	.....	T.	0.2	.....	T.	.....	0.2
Moxee	.....	.....	5.5	2.2	1.5	2.7	.....	.....	.....	11.9
Nespelem	.....	.....	1.0	11.8	5.0	7.5	.....	0.5	.....	25.8
Newport	.....	T.	T.	17.5	10.0	20.0	3.5	T.	T.	51.0
North Head	.....	.....	.....	.....	.....	0.2	3.0	.....	.....	3.2
North Yakima	.....	.....	4.0	3.4	3.0	4.1	T.	T.	.....	14.5
Oakville	.....	.....	.....	.....	T.	1.4	1.0	T.	.....	2.4
Odessa	.....	.....	T.	4.0	4.2	5.5	3.5	T.	T.	17.2
Olga	.....	.....	.....	.....	.....	0.5	0.5	.....	.....	1.0
Olymphia	.....	.....	.....	T.	.....	(*)	(*)	(*)	(*)	.....
Omak	.....	.....	2.5	4.5	5.5	2.5	.....	.....	.....	15.0
Oroville	.....	.....	.....	8.6	5.2	2.5	.....	.....	.....	16.3

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Washington—Continued.										
Peola	.....	0.5	1.9	20.7	39.7	34.9	19.8	5.3	7.7	130.5
Pomeroy	.....	.....	(*)	(*)	12.5	T.	T.	.....	.....	.....
Port Angeles	.....	.....	.....	1.7	0.1	0.5	4.2	.....	.....	6.5
Port Townsend	.....	.....	.....	.....	.....	0.8	.....	.....	.....	0.8
Poulsbo	.....	.....	.....	T.	.....	4.0	0.5	.....	.....	4.5
Prosser	.....	.....	T.	T.	1.5	2.0	.....	T.	.....	3.5
Pullman	.....	.....	.....	4.0	17.0	10.0	6.0	.....	.....	37.0
Puyallup	.....	.....	.....	.....	.....	2.5	0.2	.....	.....	2.7
Queets River	.....	.....	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....
Quiniault	.....	.....	T.	.....	(*)	T.	9.5	.....	(*)	.....
Reardan	.....	.....	1.0	6.2	6.5	9.5	6.5	T.	.....	29.7
Rimrock	.....	0.2	14.0	23.5	10.0	15.0	4.2	0.9	T.	67.8
Ritzeville	.....	.....	.....	3.2	3.5	3.0	3.0	.....	.....	12.7
Rockdale	(*)	(*)	5.0	31.0	30.5	42.0	28.0	24.0	1.0	.....
Rock Island	.....	T.	10.0	(*)	5.5	7.0	T.	(*)	.....	.....
Rosalia	.....	.....	T.	5.6	6.8	5.2	0.8	T.	.....	18.4
Scenic	(*)	(*)	3.0	(*)	(*)	53.0	(*)	(*)	(*)	.....
Seattle	.....	.....	.....	.....	.....	6.0	T.	.....	.....	6.0
Sedro Woolley	.....	.....	.....	.....	1.8	1.2	.....	.....	.....	3.0
Sequim	.....	.....	.....	0.2	T.	0.6	0.5	.....	.....	1.3
Silverton	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Sixprong	.....	.....	.....	.....	2.5	3.8	.....	.....	.....	6.3
Snohomish	.....	.....	.....	0.5	.....	9.0	1.5	.....	.....	11.0
Snoqualmie Falls	.....	.....	.....	.....	.....	6.0	(*)	.....	.....	.....
Snoqualmie Pass	.....	2.0	24.0	101.0	93.0	102.0	23.0	22.0	18.0	385.0
Snyders Ranch	.....	.....	8.0	57.0	13.0	19.0	1.0	.....	.....	98.0
South Bend	.....	.....	.....	.....	.....	0.2	0.2	.....	.....	0.4
Spokane	.....	T.	.....	8.7	8.7	7.4	3.2	T.	.....	28.0
Sprague	.....	.....	.....	(*)	(*)	.....	.....	.....	.....	.....
Spikeman Ranger Station	(*)	(*)	6.0	8.0	10.0	12.0	3.0	(*)	(*)	.....
Stampede	(*)	(*)	13.0	36.0	33.0	31.0	7.0	9.0	(*)	.....
State University	.....	.....	.....	.....	.....	(*)	(*)	.....	.....	.....
Stehekin	.....	1.0	1.0	42.5	21.0	27.0	2.0	T.	.....	94.5
Stokes Ranch	.....	0.2	5.7	40.0	13.2	17.2	1.0	.....	.....	77.3
Sullivan Lake	.....	4.0	T.	26.0	(*)	(*)	(*)	(*)	(*)	.....
Sumner	.....	.....	.....	.....	.....	4.2	T.	T.	.....	4.2
Sunnyside	.....	.....	T.	0.2	0.2	2.2	.....	.....	.....	2.6
Tacoma	.....	.....	.....	T.	T.	7.3	1.5	T.	.....	8.8
Tatoosh Island	.....	.....	T.	T.	1.1	4.9	2.2	0.2	.....	8.4
Tieton Canyon	.....	(*)	(*)	(*)	(*)	(*)	2.0	.....	.....	.....
Touchet Ridge	.....	.....	T.	14.0	24.0	21.0	22.0	T.	T.	81.0
Trinidad	.....	.....	6.0	10.0	7.0	6.0	.....	.....	.....	29.0
Twenty-five Mile Creek	.....	T.	8.0	21.0	10.0	17.0	1.0	T.	.....	57.0
Tye	(*)	(*)	16.0	66.0	59.0	64.0	22.0	14.0	28.0	.....
Upper Clealum Valley	(*)	(*)	29.0	99.0	89.0	55.0	16.0	8.0	(*)	.....
Vancouver	.....	.....	.....	.....	.....	10.5	.....	.....	.....	10.5
Vashon Island	.....	.....	.....	.....	.....	6.5	T.	.....	.....	6.5
Wahluke	.....	.....	.....	1.0	3.5	3.0	.....	.....	.....	7.5
Wallace	.....	T.	2.8	10.1	9.5	19.4	4.9	T.	.....	46.7
Walla Walla	.....	.....	.....	T.	3.7	5.4	3.2	1.7	.....	14.0
Wapato	.....	.....	2.0	0.2	(*)	2.0	.....	.....	.....	.....
Washougal	.....	.....	.....	.....	.....	2.8	.....	.....	.....	2.8
Waterville	.....	T.	7.0	17.5	5.0	11.5	.....	.....	.....	41.0
Wenatchee	.....	T.	6.0	23.7	5.4	6.8	.....	.....	.....	41.9
Wenatchee, near	.....	.....	8.0	19.2	9.2	12.0	1.8	0.5	T.	50.7
Wheeler	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....	.....
White Salmon	.....	.....	.....	T.	0.9	11.0	1.5	T.	.....	13.4
Wilbur	.....	.....	0.5	(*)	(*)	2.8	(*)	T.	.....	.....
Willard	(*)	(*)	(*)	3.0	2.0	23.0	10.0	(*)	(*)	.....
Wind River	.....	.....	.....	1.0	3.5	39.5	21.8	T.	.....	65.8
Winthrop	.....	.....	6.0	21.5	10.8	6.8	(*)	(*)	(*)	.....
Yacolt	.....	.....	.....	.....	T.	13.0	2.0	.....	.....	15.0
Yale	.....	.....	.....	(*)	(*)	11.5	2.5	T.	.....	.....
West Virginia.										
Bancroft	.....	1.0	0.5	12.0	14.2	1.0	.....	5.0	.....	33.7
Bayard	.....	14.0	3.5	13.8	41.8	5.5	2.5	24.5	0.5	106.1
Beckley	.....	15.0	(*)	15.0	(*)	(*)	T.	3.0	.....	.....
Bens Run	.....	5.0	4.0	19.0	29.0	5.0	.....	14.0	.....	76.0

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
West Virginia—Continued.										
Bluefield	.....	9.5	(*)	22.5	20.8	0.4	.....	5.0	.....	.....
Brandonville	.....	(*)	(*)	(*)	(*)	7.0	T.	16.0	.....	.....
Brandywine	.....	4.0	(*)	10.5	18.8	2.0	.....	7.0	.....	.....
Buckhannon	.....	5.0	2.0	8.5	19.0	7.5	.....	6.5	.....	48.5
Burlington	.....	(*)	2.0	8.0	29.0	3.0	.....	20.0	.....	.....
Camden on Gauley	.....	7.0	2.0	11.0	22.2	4.0	T.	9.0	.....	55.2
Charleston	.....	T.	T.	17.2	15.8	2.2	.....	3.0	.....	38.2
Clay	.....	T.	(*)	(*)	(*)	3.0	.....	5.0	.....	.....
Cortland	.....	15.0	1.0	11.0	22.0	14.0	.....	12.0	.....	75.0
Creston	.....	2.0	1.0	6.5	15.7	2.5	.....	5.0	.....	32.7
Cuba	.....	(*)	T.	3.8	11.0	2.0	T.	9.0	.....	.....
Dam No. 19, Ohio River	.....	(*)	0.2	(*)	11.0	(*)	T.	5.0	.....	.....
Dam No. 20, Ohio River	.....	(*)	(*)	(*)	(*)	1.6	.....	(*)	.....	.....
Dam No. 22, Ohio River	.....	(*)	(*)	4.5	15.8	1.5	T.	4.0	.....	.....
Dam No. 26, Ohio River	.....	0.5	T.	(*)	(*)	0.5	.....	5.0	.....	.....
Davis	T.	15.5	4.0	16.0	36.5	9.5	1.0	18.0	T.	100.5
Elizabeth	.....	(*)	(*)	(*)	(*)	(*)	.....	(*)	.....	.....
Elkhorn	(*)	2.0	0.9	22.0	13.2	(*)	(*)	(*)	.....	.....
Elkins	.....	4.8	3.2	8.8	19.6	6.5	T.	11.0	T.	53.9
Evans	.....	0.5	1.0	9.0	13.0	1.0	.....	10.0	.....	34.5
Fairmont	.....	3.0	2.0	5.5	16.5	6.0	T.	11.0	.....	44.0
Gary	.....	(*)	0.4	(*)	(*)	(*)	.....	(*)	.....	.....
Glenville	.....	2.0	1.0	6.0	8.5	6.0	.....	7.0	.....	30.5
Grafton	.....	(*)	1.0	2.5	14.0	(*)	T.	(*)	.....	.....
Green Sulphur Springs	(*)	(*)	(*)	24.0	(*)	9.0	T.	14.0	.....	.....
Harpers Ferry	.....	T.	1.8	6.0	22.5	T.	.....	10.0	.....	40.3
Hinton	.....	2.0	T.	16.5	17.0	4.0	.....	5.0	.....	44.5
Holcomb	.....	11.0	3.0	15.0	16.0	5.0	T.	10.0	.....	60.0
Huntington	.....	1.0	T.	14.5	17.3	0.5	T.	3.0	.....	36.3
Kayford	.....	4.0	2.0	(*)	10.0	(*)	.....	(*)	.....	.....
Lewisburg	.....	T.	T.	14.0	25.5	3.0	.....	6.0	.....	48.5
Lost Creek	.....	2.0	1.5	7.5	12.5	5.5	0.5	7.5	.....	37.0
Logan	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Mannington	.....	5.4	2.5	6.4	12.6	4.0	0.4	7.3	.....	38.6
Marlinton	.....	3.0	T.	18.0	31.0	5.0	T.	8.5	.....	65.5
Martinsburg	.....	(*)	1.5	13.5	36.8	(*)	.....	(*)	.....	.....
Moorefield	.....	.....	T.	13.0	30.5	1.5	.....	30.0	.....	75.0
Morgantown	.....	12.0	0.8	4.4	10.2	4.1	.....	11.0	.....	42.5
Moundsville	.....	10.0	2.4	9.7	22.2	(*)	T.	7.0	.....	.....
New Cumberland	.....	2.0	1.0	14.3	22.2	3.9	1.1	6.5	.....	51.0
New Martinsville	.....	8.0	T.	4.0	(*)	T.	T.	7.0	.....	.....
Nuttallburg	(*)	(*)	(*)	22.0	(*)	(*)	(*)	(*)	.....	.....
Parkersburg	.....	1.0	2.3	8.6	17.2	1.8	T.	8.7	.....	39.6
Parsons	.....	8.0	2.0	2.0	19.0	7.0	1.0	14.0	.....	53.0
Philippi	(*)	(*)	2.0	(*)	(*)	(*)	(*)	12.0	.....	.....
Pickens	.....	15.0	7.0	19.0	46.0	13.0	2.0	10.0	T.	112.0
Piedmont	.....	(*)	1.8	9.2	58.2	3.5	T.	21.0	.....	.....
Point Pleasant	.....	(*)	T.	8.0	16.0	T.	.....	10.0	.....	.....
Powellton	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Rainelle	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....
Raleigh	.....	7.5	1.5	11.5	(*)	1.0	T.	5.0	.....	.....
Renick	.....	3.0	1.0	19.7	29.4	0.4	.....	(*)	.....	.....
Robertsburg	.....	1.0	2.0	8.5	9.0	1.0	.....	5.0	.....	26.5
Romney	.....	6.0	1.0	13.0	33.0	1.0	.....	29.0	.....	83.0
Rowlesburg	.....	12.0	(*)	(*)	(*)	(*)	T.	5.5	.....	.....
Ryan	.....	5.0	1.0	9.6	16.5	5.3	.....	8.1	.....	45.5
Saint Marys	.....	(*)	1.8	(*)	(*)	2.5	.....	12.0	.....	.....
Sissonville	.....	(*)	(*)	(*)	(*)	2.0	.....	(*)	.....	.....
Smithfield	.....	6.5	4.0	14.5	25.5	5.5	T.	8.5	T.	64.5
Spencer	.....	(*)	2.5	(*)	12.5	2.7	.....	3.6	.....	.....
Sutton	.....	4.0	1.0	13.0	16.2	9.2	T.	12.0	.....	55.4
Terra Alta	T.	11.0	5.0	8.0	26.0	8.0	.....	12.0	T.	70.0
Union	.....	7.0	T.	20.0	9.5	T.	.....	(*)	.....	.....
Upper Tract	.....	(*)	(*)	13.0	(*)	(*)	.....	21.0	.....	.....
Wellsburg	.....	(*)	(*)	(*)	(*)	(*)	(*)	8.5	.....	.....
Weston	.....	(*)	(*)	8.5	16.0	(*)	T.	7.0	.....	.....
Wheeling	.....	5.5	1.3	17.1	25.4	2.2	0.6	8.3	.....	60.4
White Sulphur Springs	.....	4.0	T.	25.0	27.0	2.0	.....	16.0	.....	74.0
Williamson	.....	0.5	T.	12.1	17.8	0.5	.....	2.0	.....	32.9

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Wisconsin.										
Antigo	.....	0.5	0.1	5.1	9.5	15.0	6.5	T.	.....	36.7
Appleton	.....	7.2	0.5	6.0	32.0	6.0	7.5	T.	.....	59.2
Ashland	.....	5.1	2.0	8.6	6.0	2.5	6.2	3.0	.....	33.4
Baraboo	.....	12.0	(*)	T.	27.0	8.0	(*)	T.	.....	36.2
Barron	.....	6.0	1.0	6.5	8.0	5.0	8.0	1.2	.....	35.7
Beloit	.....	5.0	T.	6.8	37.0	4.5	1.5	T.	.....	54.8
Big St. Germain Dam	.....	6.1	2.0	7.0	9.0	8.0	8.0	1.0	.....	41.1
Brodhead	.....	10.0	2.0	6.5	22.5	6.5	2.8	T.	.....	50.3
Burnett	.....	5.1	1.6	4.0	17.6	2.6	4.7	T.	.....	35.6
Cecil	.....	4.0	2.5	11.0	19.5	19.0	12.0	4.5	.....	72.5
Cornucopia	.....	4.5	0.4	13.6	(*)	5.8	2.1	2.0	.....	28.4
Crandon	.....	4.5	T.	5.5	9.0	16.0	13.0	(*)	(*)	48.0
Darlington	.....	4.5	1.5	7.0	28.5	7.0	2.0	(*)	.....	50.5
Deerskin Dam	.....	3.3	3.4	5.2	(*)	4.5	4.5	0.5	.....	21.4
Delavan	.....	12.2	0.5	6.5	23.1	5.5	3.0	T.	.....	50.8
Dodgeville	.....	4.0	(*)	(*)	(*)	(*)	(*)	(*)	.....	4.0
Downing	.....	6.0	1.0	1.5	13.0	8.0	6.0	1.0	.....	36.5
Eau Claire	.....	5.2	0.5	6.5	12.1	1.2	21.5	T.	.....	47.0
Florence	.....	1.9	2.0	7.5	12.5	(*)	(*)	(*)	.....	23.9
Fond du Lac	.....	4.0	0.8	5.0	35.2	7.5	8.0	T.	.....	60.5
Grand Rapids	.....	9.4	0.3	5.9	19.4	9.6	21.3	1.2	.....	67.1
Grand River Locks	.....	8.0	1.5	7.5	24.5	4.0	3.5	2.5	.....	51.5
Grantsburg	.....	6.7	0.2	6.2	4.2	1.3	2.7	2.8	.....	24.1
Green Bay	.....	4.0	0.7	4.9	25.1	5.6	19.7	1.0	.....	61.0
Hancock	.....	4.0	T.	4.0	23.0	(*)	(*)	T.	.....	31.0
Hatfield	.....	1.0	0.5	3.7	11.3	1.9	5.5	.....	.....	23.9
Hayward	.....	2.0	1.5	2.8	7.5	3.2	(*)	1.2	.....	18.2
High Falls	.....	1.6	0.5	3.7	11.8	14.0	14.0	1.0	.....	46.6
Hillsboro	.....	10.0	1.0	8.0	16.0	4.0	10.0	2.0	.....	51.0
Iron River	(*)	(*)	(*)	(*)	(*)	4.5	2.7	0.4	.....	7.6
Kewaunee	.....	T.	2.0	3.2	44.0	9.0	15.0	T.	.....	73.2
Koepenick	.....	4.0	T.	5.0	7.0	9.0	5.0	T.	(*)	30.0
La Crosse	.....	7.0	1.2	5.7	14.8	4.9	13.1	0.6	.....	47.3
Lake Mills	.....	7.0	1.0	3.0	24.2	6.2	3.5	T.	.....	44.9
Lancaster	.....	8.0	3.0	7.5	23.5	6.0	5.3	T.	.....	53.3
Long Lake	.....	3.8	1.7	5.1	9.0	12.1	17.1	.....	.....	48.8
Madison	.....	5.0	1.8	4.8	24.5	6.6	10.8	T.	.....	53.5
Manitowoc	.....	7.0	1.0	4.8	39.8	8.0	15.0	T.	.....	75.6
Marshfield	.....	11.9	.....	4.8	10.5	7.5	7.5	.....	.....	42.2
Mather	.....	13.5	0.5	3.0	(*)	(*)	(*)	T.	.....	17.0
Mauston	.....	14.0	2.0	(*)	(*)	(*)	6.0	T.	.....	22.0
Meadow Valley	.....	17.5	T.	4.0	18.0	3.5	8.0	2.0	.....	53.0
Medford	.....	5.0	1.0	4.0	11.0	16.0	18.0	1.0	.....	56.0
Menasha	.....	6.5	0.2	4.2	26.0	4.5	12.0	T.	.....	53.4
Merrill	.....	6.1	1.1	6.1	14.1	13.9	8.8	T.	.....	50.1
Milwaukee	.....	1.1	1.5	8.4	52.6	6.5	8.6	T.	.....	78.7
Minocqua	.....	5.0	1.0	(*)	11.0	7.0	6.5	T.	.....	30.5
Mondovi	.....	5.0	0.5	7.0	9.5	5.0	25.0	.....	.....	52.0
Mount Horeb	.....	17.0	2.5	8.0	45.0	2.0	7.0	T.	.....	81.5
Muscoda	.....	6.0	(*)	(*)	6.2	(*)	21.8	(*)	.....	34.0
Neillsville	.....	6.4	(*)	(*)	11.9	7.5	5.5	.....	.....	31.3
New London	.....	12.0	.....	4.0	23.0	6.0	16.0	T.	.....	61.0
New Richmond	.....	5.0	T.	8.0	(*)	(*)	3.5	(*)	(*)	16.5
Oconto	.....	9.0	2.0	7.0	27.0	10.0	20.0	.....	.....	75.0
Osceola	.....	6.0	2.0	10.0	8.4	12.0	8.0	1.0	.....	47.4
Oshkosh	.....	3.0	.....	4.0	34.0	1.0	(*)	T.	.....	42.0
Park Falls	.....	(*)	1.5	5.3	9.9	9.5	9.4	T.	.....	35.6
Pine River	.....	13.3	1.1	5.2	28.6	5.0	20.8	6.2	.....	80.2
Plum Island	.....	T.	3.0	14.0	14.5	(*)	(*)	T.	.....	31.5
Plymouth	.....	4.4	1.8	3.9	37.4	3.4	11.4	T.	.....	62.3
Portage	.....	8.8	2.0	4.0	23.5	4.6	13.2	T.	.....	56.1
Port Edwards	.....	8.4	0.5	7.7	11.7	6.2	9.7	(*)	.....	44.2
Port Washington	.....	2.0	3.5	3.0	38.0	8.2	(*)	T.	.....	54.7
Prairie du Chien	.....	6.0	2.0	4.0	17.0	5.5	4.0	4.0	.....	42.5
Prairie du Sac	.....	7.0	0.5	1.1	17.5	2.2	4.0	T.	.....	32.3
Prentice	.....	4.6	0.8	6.7	10.7	9.5	10.0	0.7	.....	43.0
Racine	.....	2.0	2.0	4.3	29.5	5.0	0.5	T.	.....	43.3
Reedsburg	.....	8.8	0.8	3.5	18.0	7.8	10.8	T.	.....	49.7
Restlake	.....	(*)	3.0	10.0	11.2	5.0	7.0	.....	.....	36.2

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Wisconsin—Continued.										
Rhinelander	.....	4.0	2.0	7.4	12.6	13.5	12.0	T.	.....	51.5
Ripon	.....	3.8	0.3	5.5	22.9	8.5	8.5	T.	.....	49.5
River Falls	.....	.....	.....	.....	.....	.....	.....	(*)	.....	.....
Sheboygan	.....	2.0	1.5	1.6	35.0	5.1	9.2	T.	.....	54.4
Shullsburg	.....	8.2	1.7	6.4	23.4	7.0	1.5	T.	.....	48.2
Solon Springs	.....	8.5	1.5	7.0	8.5	9.0	4.0	T.	.....	38.5
Sparta	.....	7.4	0.3	1.8	9.3	(*)	8.0	(*)	.....	26.8
Spooner	.....	3.0	1.0	7.8	10.5	4.2	7.0	1.0	.....	34.5
Stanley	.....	12.5	1.0	6.5	10.0	14.0	13.5	T.	.....	57.5
Stevens Point	.....	6.0	T.	1.5	19.5	3.0	12.0	.....	.....	42.0
Sturgeon Bay	.....	6.0	T.	7.3	21.5	7.0	13.0	2.0	.....	56.8
Sugar Camp Dam	.....	3.5	2.0	6.5	10.5	11.0	9.0	2.0	.....	44.5
Superior	.....	4.8	1.0	5.5	10.5	2.2	2.3	1.0	.....	27.3
Tomahawk	.....	5.5	0.8	5.0	11.5	7.6	10.2	T.	.....	40.6
Twin Lakes Dam	.....	3.8	2.2	11.0	13.0	18.3	5.2	2.0	.....	55.5
Viroqua	.....	14.0	1.5	8.0	20.0	4.0	9.5	2.0	.....	59.0
Vudesare	T.	7.0	5.0	12.0	12.5	(*)	(*)	(*)	(*)	36.5
Watertown	.....	12.5	1.5	5.5	42.7	9.2	8.9	T.	.....	80.3
Waukesha	.....	4.2	1.5	5.5	56.0	7.0	(*)	T.	.....	74.2
Waupaca	.....	8.5	0.5	7.0	39.5	7.5	10.5	T.	.....	73.5
Wausau	.....	8.3	1.1	6.4	9.6	5.3	8.5	0.5	T.	39.7
Weyerhauser	.....	7.5	1.0	5.6	12.5	12.0	10.0	0.5	.....	49.1
Whitehall	.....	7.0	1.0	6.5	15.5	2.0	11.0	.....	.....	43.0
Winter	.....	8.0	1.5	7.5	13.4	2.5	(*)	2.0	.....	34.9
Wyoming.										
Afton	.....	2.0	4.0	8.5	(*)	30.5	11.6	17.0	10.0	.....
Alta	T.	2.2	6.8	14.2	45.9	20.4	6.2	7.0	2.0	104.7
Arapahoe	.....	3.2	2.0	2.8	6.5	6.2	1.0	12.5	5.2	39.4
Archer	.....	5.0	(*)	(*)	(*)	(*)	(*)	13.9	2.0	.....
Arlington	.....	(*)	(*)	(*)	(*)	38.0	6.0	3.0	(*)	.....
Basin	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Bedford	.....	3.5	10.5	26.0	44.5	30.5	.....	10.5	1.5	127.0
Big Creek Station	(*)	13.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Border	.....	0.5	2.5	.....	26.0	17.6	(*)	4.0	T.	.....
Boyd	.....	10.9	T.	15.5	28.0	5.8	7.2	25.0	1.5	93.9
Buffalo	(*)	(*)	.....	14.0	16.0	2.0	9.7	25.0	1.5	.....
Burns	(*)	(*)	1.5	8.5	10.5	5.5	0.5	12.8	1.5	.....
Casper	.....	13.5	2.5	4.5	13.4	8.8	5.2	24.5	(*)	.....
Centennial	.....	16.2	5.7	36.6	12.8	28.3	7.8	19.4	6.6	133.4
Cheyenne	.....	5.8	3.9	12.1	6.6	11.8	1.9	20.7	4.7	67.5
Chugwater	.....	5.0	.....	12.0	3.5	(*)	T.	3.5	T.	.....
Clark	.....	1.5	1.0	15.0	9.3	1.9	4.5	8.0	T.	41.2
Cody	.....	6.0	.....	16.0	13.0	3.0	11.5	20.0	(*)	.....
Cokeville	.....	2.7	(*)	T.	24.5	19.2	5.5	5.0	2.0	.....
Colony	.....	1.0	.....	13.2	7.0	5.0	12.0	11.0	6.0	55.2
Crandall Creek	(*)	7.0	9.0	28.0	23.0	13.0	(*)	(*)	(*)	.....
Crow Hill	T.	18.5	0.1	23.3	42.9	7.9	13.2	49.7	6.0	161.6
Deaver	.....	1.0	.....	7.7	6.5	T.	T.	9.9	T.	25.1
Dome Lake	4.5	25.5	5.5	42.5	43.0	15.5	35.0	78.7	18.7	268.9
Douglas	.....	7.0	0.2	9.9	11.0	2.5	4.2	19.0	3.5	57.3
Dubois	.....	6.5	2.0	1.8	2.2	7.3	3.8	16.0	6.0	45.6
Dutch Joe	(*)	6.0	3.0	(*)	3.8	28.0	14.0	(*)	10.0	.....
Dwyer	.....	7.8	1.0	12.5	19.5	18.0	3.0	(*)	(*)	.....
Echeta	.....	1.3	.....	10.5	23.0	5.0	8.0	11.5	1.2	60.5
Eden	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Elk Mountain	(*)	17.5	4.7	12.2	17.0	33.0	T.	T.	5.0	.....
Encampment	.....	3.7	1.7	3.0	2.7	18.2	5.1	(*)	(*)	.....
Ervay	.....	16.0	9.0	9.0	19.0	17.0	15.5	33.0	6.0	124.5
Evanston	.....	T.	T.	2.0	6.0	14.5	8.0	8.0	2.0	40.5
Fort Laramie	.....	4.3	T.	12.6	21.0	21.5	1.0	(*)	.....	.....
Foxpark	T.	12.5	11.5	54.5	36.5	30.5	16.5	41.5	4.5	208.0
Germania	.....	14.0	.....	7.6	3.7	1.0	5.5	16.0	(*)	.....
Gillette	.....	2.0	.....	8.0	9.7	1.5	3.5	(*)	T.	.....
Green River	.....	0.1	1.0	0.1	0.9	4.3	0.4	2.6	1.5	10.9
Hecla	.....	4.5	3.5	13.7	3.4	10.1	1.6	12.8	3.1	52.7
Hunter's Station	3.0	14.0	(*)	(*)	(*)	(*)	(*)	(*)	T.	.....
Hyattville	.....	6.0	.....	9.0	21.2	.....	8.0	16.2	(*)	.....

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Wyoming—Continued.										
Jackson	.....	T.	0.9	4.9	17.1	10.7	7.8	(*)	(*)	.....
Jireh	.....	3.4	.....	(*)	(*)	(*)	(*)	(*)	(*)	.....
Kendall	.....	9.0	12.8	46.9	7.0	(*)	(*)	8.9	4.0	.....
Kirtley	.....	8.0	.....	6.0	5.5	2.6	2.4	12.4	2.0	38.9
Kirwin	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Knowles	.....	14.1	T.	18.5	18.0	7.0	13.8	37.9	12.6	121.9
Lagrange	.....	4.2	0.1	11.2	12.4	5.5	.....	(*)	2.0	.....
Lander	.....	8.9	5.0	4.8	10.2	8.4	1.4	22.0	8.1	68.9
Laramie	.....	2.3	2.0	2.1	4.5	6.8	5.5	8.1	1.3	32.6
Lenore	.....	4.0	4.0	0.5	8.0	3.5	0.5	6.0	(*)	.....
Lovell	.....	.....	.....	6.0	21.3	T.	1.0	2.7	17.0	48.0
Lusk	.....	1.2	.....	4.0	3.5	1.0	1.0	24.8	3.0	38.5
Middle Fork Ranger Station	.....	23.0	16.0	1.0	23.0	36.0	23.0	46.0	(*)	.....
Moorcroft	(*)	(*)	(*)	(*)	(*)	2.0	1.3	(*)	(*)	.....
Moran	.....	2.0	6.0	33.0	27.7	28.6	8.0	10.0	(*)	.....
Newcastle	(*)	(*)	(*)	(*)	9.4	1.8	2.0	15.0	.....	.....
Opal	(*)	(*)	6.0	4.5	2.1	(*)	(*)	(*)	(*)	.....
Painter	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Pathfinder	.....	10.2	2.5	6.0	10.7	6.0	4.0	20.0	7.5	66.9
Pine Bluff	(*)	(*)	2.5	11.5	8.5	6.0	0.5	.....	T.	.....
Pinedale	1.0	4.0	8.0	10.7	7.5	16.5	T.	4.0	(*)	.....
Powell	.....	1.0	.....	1.7	(*)	T.	0.2	4.3	T.	.....
Rawlins	.....	2.7	T.	13.2	2.0	11.2	12.0	11.5	8.0	60.6
Rock River	.....	T.	2.0	2.5	15.5	23.5	1.0	1.5	(*)	.....
Rockypoint	.....	5.0	0.3	7.5	9.5	4.0	3.8	13.2	4.0	47.3
Sand Lake	3.0	47.0	23.0	94.0	120.0	96.0	62.0	(*)	(*)	.....
Saratoga (near)	.....	4.0	4.2	5.0	20.0	16.0	3.0	9.5	(*)	.....
Seven-Mile Creek	(*)	20.0	(*)	25.8	(*)	42.0	4.5	(*)	(*)	.....
Sheridan	.....	9.0	T.	14.5	23.6	2.3	11.8	21.8	1.3	84.3
Sheridan Creek Ranger Station	.....	11.0	(*)	18.5	17.5	25.0	12.0	10.0	5.0	.....
Sheridan Field Station	.....	(*)	(*)	(*)	15.6	0.8	8.0	(*)	(*)	.....
Sherman	.....	4.4	3.4	9.1	4.0	10.0	9.0	23.0	6.5	69.4
Shoshone Dam	.....	9.7	T.	28.8	26.5	4.5	9.0	16.7	T.	95.2
South Pass City	.....	5.7	7.1	4.6	11.6	17.8	18.6	11.2	4.4	81.0
Spencer (near)	.....	0.8	.....	2.0	8.5	2.0	T.	21.0	(*)	.....
Sundance	.....	12.0	.....	18.7	(*)	(*)	(*)	37.0	(*)	.....
Superior	.....	0.3	3.7	3.7	7.0	10.4	4.6	1.0	(*)	.....
Thermopolis	.....	12.0	.....	3.5	8.0	4.0	4.0	21.0	3.0	55.5
Timber Creek	T.	15.0	6.0	5.5	17.0	12.0	7.5	44.5	25.0	132.5
Upton	.....	4.0	T.	46.0	(*)	(*)	(*)	(*)	(*)	.....
Valley	.....	20.0	1.0	13.0	15.0	13.5	9.0	24.0	6.0	101.5
Verona	.....	7.0	.....	12.5	25.0	3.0	14.0	15.0	(*)	.....
Wheatland	(*)	4.5	.....	10.5	11.0	8.1	0.6	17.2	3.9	.....
Willow Springs Ranger Station	.....	16.5	1.0	14.0	17.0	6.0	10.5	40.0	7.5	112.5
Worland	(*)	(*)	(*)	(*)	12.6	0.3	7.0	3.0	.....	.....
Wyncote	.....	2.0	.....	6.7	6.7	5.5	0.4	12.8	5.2	39.3
Yellowstone Park	0.4	8.0	1.8	14.4	20.8	22.9	18.1	13.6	8.0	108.0
Bechler River	T.	1.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Gallatin	T.	15.0	3.0	19.0	31.9	13.1	(*)	(*)	(*)	.....
Lake Yellowstone	2.0	15.4	9.1	(*)	(*)	35.9	18.0	12.7	(*)	.....
Norris Geyser Basin	(*)	6.0	6.6	(*)	(*)	(*)	(*)	(*)	(*)	.....
Riverside	T.	3.5	4.2	(*)	(*)	(*)	15.0	4.0	(*)	.....
Snake River	T.	4.0	1.8	(*)	(*)	28.1	21.0	0.5	(*)	.....
Soda Butte	T.	8.3	1.1	(*)	40.0	15.0	10.9	12.7	5.5	.....
Canadian stations.										
St. Johns, Newfoundland	.....	0.0	4.0	7.0	15.0	17.0	52.0	6.0	1.0	102.0
Sydney, Cape Breton Island	.....	0.0	4.0	46.5	26.5	39.5	31.0	8.0	.....	155.5
Halifax, Nova Scotia	.....	0.0	2.2	33.4	15.1	42.8	30.2	6.5	.....	130.2
Yarmouth, Nova Scotia	.....	0.0	5.7	11.4	22.9	18.4	23.7	5.0	.....	87.1
Charlottetown, Prince Edward Island	.....	0.0	6.8	37.9	13.4	24.3	30.0	3.2	.....	115.6
Chatham, New Brunswick	.....	0.0	5.7	20.3	34.6	21.7	20.1	.....	.....	102.4
Father Point, Quebec	.....	4.0	18.4	17.0	24.9	16.7	2.3	0.6	0.6	84.5
Quebec, Quebec	.....	T.	13.1	36.1	31.1	31.3	14.3	0.1	T.	126.0
Montreal, Quebec	.....	T.	12.0	20.9	34.0	34.5	26.1	2.1	.....	129.6
Stonecliffe, Ontario	.....	0.7	4.2	11.3	18.2	16.6	8.0	1.6	.....	60.6
Ottawa, Ontario	.....	T.	14.7	23.2	31.7	24.8	19.8	3.0	.....	117.2
Kingston, Ontario	.....	1.1	8.3	18.5	18.4	10.5	3.7	2.2	.....	62.7

Monthly and seasonal snowfall, 1917–1918—Continued.

Stations.	1917				1918					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Canadian stations—Continued.										
Toronto, Ontario	.....	0.2	2.1	23.0	23.0	11.6	10.9	0.8	.....	71.6
White River, Ontario	.....	16.7	3.8	27.3	16.1	12.8	12.1	0.6	.....	89.4
Port Stanley, Ontario	.....	0.1	7.4	14.4	22.5	14.4	5.4	1.6	.....	65.8
Southampton, Ontario	.....	1.5	13.8	31.3	42.9	17.4	14.2	3.7	.....	124.8
Parry Sound, Ontario	.....	7.7	17.9	51.4	69.0	9.2	1.8	4.4	.....	161.4
Port Arthur, Ontario	.....	3.4	1.7	10.3	3.4	6.8	3.3	T.	.....	28.9
Winnipeg, Manitoba	.....	7.8	2.2	5.9	8.1	5.9	5.5	3.9	.....	39.3
Minnedosa, Manitoba	.....	4.6	0.4	13.1	4.2	7.1	5.3	1.0	1.9	37.6
Qu'ppelle, Saskatchewan	.....	17.2	2.0	14.0	10.9	5.8	12.3	0.8	6.5	69.5
Medicine Hat, Alberta	.....	5.4	0.2	29.4	18.1	8.4	3.5	T.	0.4	65.4
Swift Current, Saskatchewan	.....	6.4	0.0	8.7	9.6	9.2	8.0	8.8	0.4	51.1
Calgary, Alberta	.....	13.8	T.	14.8	3.0	6.0	4.4	.....	4.7	46.7
Banff, Alberta	.....	5.7	3.2	31.5	7.9	19.4	14.2	1.5	19.4	102.8
Edmonton, Alberta	.....	2.6	T.	12.0	14.4	3.5	9.2	4.9	9.9	56.5
Prince Albert, Saskatchewan	.....	7.0	0.0	9.9	9.1	1.4	8.0	3.8	8.0	47.2
Battleford, Saskatchewan	.....	1.5	1.8	7.1	14.9	3.3	14.4	1.0	1.4	45.4
Kamloops, British Columbia	.....	0.3	T.	27.0	16.5	3.7	T.	.....	.....	47.5
Victoria, British Columbia	.....	0.0	0.0	4.0	T.	1.4	0.2	0.2	.....	5.8
Barkersville, British Columbia	.....	23.0	5.0	45.0	64.0	28.5	32.2	6.3	17.3	221.3
Hamilton, Bermuda	.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0