U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

1920-1921

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LETTER OF TRANSMITTAL.

UNITED STATES DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU,
Washington, D. C., October 15, 1921.

SIR: I have the honor to submit herewith a report of the operations of the Weather Bureau during the fiscal year ended June 30, 1921.

Respectfully,

C. F. MARVIN,
Chief of Bureau.

Hon. HENRY C. WALLACE,
Secretary of Agriculture.

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PART I.

ADMINISTRATIVE REPORT.

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REPORT

OF THE

CHIEF OF THE WEATHER BUREAU.

No material change has occurred in the customary annual program of the work of the bureau except that some additional curtailments and omissions of service have been entailed from the continued high costs and charges which must be met from appropriations remaining the same as in pre-war times.

The serious difficulties encountered in maintaining and recruiting the personnel of the service have somewhat abated. At the close of the year the number of temporary and untrained employees carried on the rolls without civil service status, pending the certification of eligibles, had been reduced to 72. However, comparatively few young men in the country with the qualifications and abilities required for the grade of assistant observer seem attracted by the low entrance salaries ($1,080 with bonus of $240) and the poor opportunities of progress and advancement still characterizing Government positions in the Weather Bureau. The registers of eligibles secured as a result of the several civil service examinations which have been held have been rapidly exhausted in effecting replacements of temporary appointees by probationers willing to accept the positions and assignments tendered.

The success of the Weather Bureau and the economic benefits flowing from its service and warnings depend in a peculiar and extreme degree upon its man-power, upon the technical experience and ability of its personnel. Professional meteorologists and forecasters can not be secured from the universities or from the outside. The bureau itself is the only possible training school for the future leaders in the service.

The long-promised and long-delayed reclassification of Government salaries is nowhere more greatly needed or justified than in the Weather Bureau. The imaginary economies in withholding urgently needed increases for properly strengthening and recruiting the personnel are not economy, but sap and injure the vitality of the organization and are certain to be reflected in future inferiority and inefficiency. Another legislative year should not go by without some concrete congressional enactment making the promised reclassification effective.

The new demands upon the bureau for its service and advices in aid of aviation; for data and the certification of facts with reference to storm, weather and rain insurance; for reports on the influence of weather upon the public highways; for extensions of its various services in reporting frosts, cold waves, hurricanes, etc., all continue to be pressed urgently by the diverse interests involved. Even under the present national exigencies compelling the utmost economies in Government appropriations, it is intended to urge upon Congress, through the Director of the Budget, certain very necessary increases to enable the bureau to meet its reasonable obligations and responsibilities to the public with reference to the most urgent needs. It is easy to show that Weather Bureau service and advices carry with them, in a very great degree, an immediate and direct economic benefit in the saving of the lives, properties and foodstuffs of the Nation. Many shocking accidents in aeronautics have resulted very directly from lack of sufficient foreknowledge of flying weather conditions along the customary airways. The Weather Bureau is the agency charged by law to perform this new service, and a skeleton organization is now in operation. However, the funds available suffice to provide only a fraction of the stations, reports, and advices needed to represent conditions over such a great extent of territory as the United States.

Hurricanes and violent storms of the tropical oceans bring losses and disasters to shipping of the Gulf, and alarm and consternation to the residents of the whole Gulf Coast. At such times the Weather Bureau at Washington and its field stations in the menaced region, are literally overwhelmed with direct and indirect applications for information. Its warnings and advices allay the fears of some, quiet needless alarm of others, and guide many to make timely escapes from almost certain death in threatened localities, or to take precautions to minimize the destructive effects of a storm which can not be escaped.

Vessels while still at sea now receive, often days beforehand, warnings which are broadcast daily by wireless, and thus are easily able to shun the danger zone and probably escape injury or wreck.

Warnings of frosts, cold waves, blizzards, and weather conditions damaging to perishable foodstuffs in shipment are other important services of the bureau showing an immediate beneficial or monetary return and saving. These are all services which can not be curtailed or abridged without great public detriment and even loss of life and property.

Even under the present program of economy a reasonable support of this work is justified and will be rewarded.

FORECAST SERVICE.

Only three tropical storms occurred within this fiscal year, two in the closing six months of 1920 and one striking the Texas coast on June 22, 1921. Fortunately, none of these were notably severe or accompanied by marked losses of life and property.

It is important to recognize, however, that because of the very meager reports available, little idea of the severity and destructiveness of these great storms can be formed while they are far at sea. These characteristics are disclosed only after the storm passes inland. On the other hand, the broadcasting of warnings and advices merely reporting the existence of such a storm at once awakens the fears and apprehension of the public which are fully allayed only after the final report of the dissipation of the storm or its passage beyond our territories.

It seems quite pertinent to this question to make a few quotations from newspaper editorials commenting on the beneficial service of the Weather Bureau with special reference to the hurricane of September 21, 1920.

AHEAD OF THE HURRICANE.

The storm now beating against our southern coast did not come as a surprise. Two days ago the Weather Bureau gave public warning of the hurricane's approach and was able, within fairly narrow limits, to tell where and when it would strike and what force would be back of the blow. Probably the shipping saved in this one tornado is greater in value than the cost of the Weather Bureau for years, and one does not like to fix a money value on the great saving of life.—Chicago Evening Journal, September 22, 1920.

VALUE OF WEATHER BUREAU ATTESTED.

The importance and value of the United States Weather Bureau service was unmistakably and impressively attested in connection with the terrific storm which on Tuesday night swept up from the Gulf of Mexico and struck the coast of the United States, particularly across Louisiana. Hours before the hurricane had reached the mainland the weather official knew it was coming. Warnings were hurriedly sent out, not only to the shipping in the Gulf but to the cities, towns, and farms over the section that was threatened. As a result of the warnings ships, and especially the smaller craft, out in the open scurried to shelter. Boats that were ready to sail remained in port. On land as well preparations were made to meet the storm. Shelters were constructed, insecure movables were fastened down, trains were given added protection—in short, every possible precaution was taken to withstand the rage of the elements when the storm should break.

As a result of these preparations it is estimated that many lives were saved and much property loss prevented. The storm came in its fury and much damage was done, for it is not within the ability of man to shield completely the open fields and their crops, his home, and other possessions from torrential storm and hurricane. But when the violence had abated and a survey of the damage brought realization of what might have been suffered had the storm come unannounced there could not but be universal gratitude and appreciation of the ability of the weather service to forecast the future and send out its beneficial warning.—Salt Lake Desert News, September 23, 1920.

A MILD HURRICANE.

The hurricane of this year did not prove as severe as many of its predecessors and the damage was comparatively small. This is partly due to the fact that residents along the coast have been fully educated to the danger of the hurricane and now adopt the sensible plan of getting out of the danger zone as much as possible and protecting their

property as well as they can. There is small profit and little sense in the effort by a human being to fight a hurricane. Because of the precautions taken and through the additional fact that the storm was not as severe as has been known in other years the country escaped with a minimum amount of damage and loss of life.

It must be said for the Weather Bureau in connection with the work of forecasting this storm that it performed most admirable and valuable service. To predict when a West Indian hurricane will arrive at a given point and estimate with any degree of accuracy the condition in which it will arrive is no easy task. Indeed, there are times when the undertaking is simply impossible. There are no observation stations in the middle of the Gulf of Mexico and, lacking these, the Weather Bureau is sorely handicapped by the lack of necessary information.

On this storm, however, the bureau made a most excellent record. It reported its appearance in the western Caribbean Sea and estimated the time of its approach as closely as could possibly be done.—San Antonio Daily Light, September 23, 1920.

DETECTION OF THE STORM.

That the tropical storm (September 22, 1920) that was detected by the United States Weather Bureau 500 or more miles out at sea spent its fury before coming inland is not the important point. Detection of the storm by the bureau and the ability of the bureau to give the threatened sections of the country information in advance of its coming is the paramount detail. The service rendered shipping at sea and life and property on shore through the timely warnings issued by the bureau may never be estimated. The Weather Bureau has made impossible occurrences of the past when ships went forth to be caught unaware in the teeth of a hurricane and when people ashore slept in fancied security from the coming of blast and flood that wreck property and destroy lives. In this instance, hundreds of ships were held safely in port, while people were enabled to make preparations against its coming and summer population at coast resorts that might have been swept away were advantaged by the warning in having been given opportunity to get to places of safety. Cattle on islands that were threatened with submergence were taken to the mainland, and all the section through which the storm was expected to pass was placed in conditions of defence against its coming. The Weather Bureau is a great institution and scarcely a week passes that it does not demonstrate its value to the country.—Charlotte (N. C.) Observer, September 23, 1920.

A published record of the storms and noteworthy features of the weather of the year appears regularly in the Monthly Weather Review, and little mention of these need be made here.

A storm of extraordinary violence was experienced along the north Pacific coast during the afternoon and evening of January 29, when a maximum wind velocity of 110 miles from the southwest occurred at Tatoosh Island and an estimated velocity of 150 miles from the southeast at North Head was reported. The North Head station anemometer was destroyed by a falling wireless tower when it was recording 132 miles an hour. A maximum velocity of 150 miles an hour is estimated to have occurred.

The winter of 1920–21 was an unusually mild one and no extremely low temperatures were experienced anywhere. The mild weather of March caused vegetation and fruit trees to advance far beyond normal. As a consequence the cold wave of March 27–29, which was the only cold experienced during the month, succeeding the abnormal warm weather was destructive of fruit blooms over a very large section of the country east of the Rocky Mountains.

The cold weather of March 27–29 was followed by another frost wave early in April, which completed the destruction of fruit blooms in many sections that had escaped the previous freeze. The completeness of destruction of fruit and the wide area affected was the greatest that has been experienced in many years. Accurate warnings were issued in both cases, but the severity of the frost and the impossibility of applying protective measures made it impracticable to avoid the damage.

Special service was rendered on a number of notable occasions. Among them were:

The national balloon race and the international balloon race which started from Birmingham, Ala., on September 25, 1920, and October 23, 1920, respectively; and the elimination balloon race from Birmingham, Ala., on May 21, 1921, to determine United States entries for the international balloon race to be held in Brussels in September, 1921. Special forecasts were made and weather reports and advices furnished the contestants in these races. In addition, representatives of the Weather Bureau were assigned to Birmingham, special maps were prepared and detailed information supplied to the balloonists. The elimination balloon race was won by Mr. Ralph Upton. Mr. C. G. Andrus, a meteorologist of the Weather Bureau, was Mr. Upton's aid. It is generally conceded that Mr. Andrus' expert knowledge of meteorological conditions was an important factor in winning the race.

The transcontinental record aeroplane flights by Lieut. W. D. Coney, United States Army, in February and March, 1921, and transcontinental aerial mail race in February, 1921.

The international yacht races off Sandy Hook, July 15 to 27, 1920.

The United States Army pathfinder airplane flights from New York to Nome, Alaska, during the fall of 1920.

Many special forecasts were made at the request of managers of state fairs, local celebrations, and the like. This form of service is rapidly increasing in popular favor.

Special advices and forecasts were furnished in connection with numerous pigeon races during the year. Nearly all carrier pigeon racing associations now depend largely upon the Weather Bureau, and do not release the birds until advised by the forecasters that conditions of wind and weather are favorable for flights.

Special forecasts for national election day, November 2, 1920, were issued. This forecast was made on Monday, the 1st, and given distribution through the press associations and also telegraphed to the chairmen of the national campaign committees and to the presidential candidates. The forecasts in this particular case were accurate in practically every detail.

Special forecasts of wind and weather were prepared and radiographed each day for several weeks in October and November for the guidance of the United States submarine naval vessels *Beaver* and *Mallard*, which were engaged in salvaging the United States submarine *S-5* off Delaware Breakwater.

FLYING WEATHER FORECASTS.

The flying weather forecasts which were begun in July, 1919, were continued during the year. These forecasts were inaugurated for the special benefit of the Air Service of the Army, Navy, and Post Office Departments. Their great value to aviation is fully recognized, and during this year a number of organizations interested in commercial flying has been added to the list of recipients of these forecasts. The demands for these forecasts are increasing. This is especially true of individual flyers, who in addition to the regular flying weather forecasts issued each morning and evening, desire personal information and advices before beginning flights. For the most part the supplemental information is supplied by telephone. Many daily calls of this character are received. Flyers are coming more and more into contact with the Weather Bureau before beginning flights, an indication of the reliance being placed on weather forecasts and their indispensability to safe and successful flying. However, the forecasters are handicapped because the number of upper air and local reports available to them is far insufficient. Reports are needed from more upper air stations and from surface points at close intervals in every flying zone. By this means far more definite and exact information can be given to aviators.

FIRE WEATHER FORECASTS.

Fire weather forecasts were issued during the year and sent to fire wardens and forestry associations in the large forested areas of the country. These forecasts are issued whenever conditions favorable for the inception of forests fires are indicated, and of the approach of rains which may affect their control after fires have started. A protracted dry spell occurred in the Northwest in the summer and fall. Forecasts issued on this occasion, especially in Montana and Minnesota, where the conditions were worse, were of incalculable value in the protection of the forest areas. There is much need for an extension of this work, and forestry and fire-fighting associations have repeatedly petitioned that this service be intensified and extended. A number of stations should be established in the great forest areas for the purpose of collecting more definite meteorological information, and studying the whole problem with relation to topography as it affects local wind directions and force. Exceedingly valuable service which would aid in the saving of millions of feet of lumber destroyed each year by forest fires is feasible and practicable if a few thousand dollars were made available therefor. All that it is possible to do with available funds is being done.

RESUMPTION OF WEATHER MAPS.

It was not possible to resume the issuance of maps at stations where they were discontinued during the war, nor will it be practicable to do so until funds are provided for the purpose. Business men, educators, and a larger part of the general public, through many years of usage, understand the weather maps and obtain from them results that bulletins do not supply. Thousands of applications for maps are received. A comparatively small amount of money would enable the Weather Bureau to again place this service on a basis wherein the public and business needs of the country can be met.

VESSEL WEATHER SERVICE.

Although the war crippled the vessel weather service to a considerable extent it was gradually restored and this year it has been placed on a higher plane of efficiency than ever before. There are now nearly 100 vessels that radiograph weather conditions at least once daily when they are in certain ocean areas from which observations are desired. With the exception of reports radiographed during the entire year from ships in the Pacific, observations are now confined to vessels plying the South Atlantic Ocean, the Caribbean Sea, and the Gulf of Mexico during the huricane season, June to November, inclusive. These reports are invaluable in the forecasting of storms and hurricanes.

During the year cooperative arrangements were perfected with the Shipping Board whereby all ships of that fleet when within prescribed ocean zones radiograph daily weather observations to designated forecast centers. This service was begun June 1, 1921.

Cooperative arrangements were also made with the Texas Co., the Standard Oil Co., and the Gulf Refining Co. for ships in those fleets to take and radiograph reports to Washington. This cooperation is highly appreciated, as these vessels navigate largely in the Gulf of Mexico, from which regions observations are especially valuable in connection with hurricane work.

HIGHWAY WEATHER SERVICE.

The highway weather service has been continued on the same basis as last year. This service is of established popularity and value, and applications have been received from all parts of the country for its extension. Traffic on highways is so large and is growing so rapidly that it is important that an efficient and comprehensive system of advices concerning road conditions as affected by past and future weather be maintained. The Weather Bureau is well fitted to render this service and has the organization whereby it can be accomplished at a minimum cost. Moreover, automobile associations, road commissioners, and the users of the highways look to the Weather Bureau for the service. The work now done is confined to main highways and to a comparatively few sections. Extensions can not be made until appropriations are made available by which the public demands may be met.

RADIOGRAPHIC DISTRIBUTION OF FORECASTS AND WEATHER INFORMATION.

Radio telegraphy and telephony has reached a stage where it must be recognized as a potential medium for the dissemination of weather forecasts, warnings, and information. For some years this has been utilized to some extent, especially in the dissemination of forecasts and storm warnings to ships at sea. A marked extension of the work was made during this year. Since 1914 abbreviated bulletins have been broadcast from the naval radio stations. On November 1, 1920, comprehensive bulletins began to be issued each night at certain scheduled hours from Arlington, Va., Great Lakes, Ill., Key West, Fla., Point Isabel, Tex., and San Juan, P. R. The bulletins are divided into two parts. The first part consists of reports of barometric pressure, wind direction and velocity, and state of weather, taken at 8 p. m. at a number of stations. The second part consists of wind and weather forecasts, storm and hurricane warnings, and advices to shipping.

On June 1, 1921, an extensive morning bulletin began to be broadcast from Arlington containing surface observations (8 a. m.) taken at 42 regular Weather Bureau stations and 9 aerological stations maintained by the Navy, Army, and Weather Bureau, a summary of weather conditions over the United States, forecasts and storm and hurricane warnings. This bulletin is for the benefit of marine and aviation interests, but is designed especially to meet the needs of the latter. It is the first wireless weather bulletin for the benefit of aviators ever issued in the United States. A special feature is separate flying weather forecasts for six zones covering the entire country east of the Mississippi River. The bulletin is broadcast on high-power wave length and has a range of about 1,000 miles.

Another bulletin was begun on June 10, 1921, having for its purpose a systematic broadcasting of local weather observations, wind and weather forecasts, storm and hurricane warnings, and advices relating thereto from 26 naval radio stations on the Atlantic and Gulf coasts, in the Caribbean Sea, and on the Great Lakes. This distribution is in the nature of a localized service and supplemental to the general bulletins heretofore referred to.

All of the foregoing bulletins are broadcast from naval radio stations in cooperation with the Office of Communications of the Navy Department.

The use of radio telegraphy for the benefit of marine interests is well systematized and quite complete, but such is not the case so far as land interests are concerned. However, plans are under way to systematize radio distribution of forecasts and warnings for the special benefit of agricultural and commercial interests and to extend it to every State and section. Forecasts and warnings are now broadcast from a number of colleges and private organizations and from radio stations at Washington, D. C., Bellefonte, Pa., Cincinnati, Ohio, St. Louis, Mo., Omaha and North Platte, Nebr., Cheyenne, Wyo., and Reno, Nev., which are operated by the Post Office Department in connection with its transcontinental air mail service.

The ultimate plan in mind will provide for the distribution on fixed schedules of weather forecasts and warnings from at least one radio station in each State. Existing Government radio stations will be utilized as far as practicable, but cooperative arrangements with commercial companies licensed to engage in radio communicative service will also be made in States where Government agencies are not available.

ORCHARD SPRAYING AND HARVEST WEATHER FORECASTS.

For two seasons special forecasts in connection with orchard-spraying activities have been made for the orchardists in northern New York. It has been demonstrated that sprays must be applied to fruit trees just before a rainy spell in order to produce the best results. It requires from 48 to 72 hours to apply the spray in many of the large orchards. Therefore, forecasts for a longer period than is covered by the regular daily forecasts, and with the occurrence of rain especially in mind, are necessary for this work. Forecasts covering from three to four days were made and with a marked success. The work was so highly commended that there has been a demand for similar service elsewhere. This year a similar service was inaugurated in a limited way for the benefit of orchardists in the region about Gettysburg, Pa.

There has been demand for special weather forecasts having for their direct purpose aid to farmers in the harvesting of hay, oats, wheat, and other crops liable to danger if unfavorable weather occurs between the time of cutting and shocking. Insufficient funds have prevented extensive work of this character, but such service was begun in a limited and experimental way in the early summer of 1921 in 10 counties in New York. These forecasts are made daily and not for a fixed period, as is the case with the general daily forecasts, but for just as long a period as the forecaster feels that the condition as shown on the current weather maps justifies a reasonable expectation of accuracy. Sometimes this period is for 24 hours, and at other times three or four days. Moreover, the predictions are worded to apply to the particular purpose and to convey to the farmer the degree of confidence that the forecaster has in the forecast. For instance: "Conditions excellent for drying weather Wednesday and Thursday; Friday

uncertain," or "Outlook for harvesting next two days uncertain; rain very likely." This is information of great value to the farmer, because in effect it is advice that enables him to proceed with his work with either confidence or caution.

The harvest weather forecast work is conducted in cooperation with the county agents, who have undertaken to disseminate the forecasts by telephone to individual farmers. A full season of this work has not been completed, but an indication of the interest taken in the service is gained by the fact that in one week the county agents in eight counties reported a total of 483 calls from individual farmers for the forecasts.

RIVER AND FLOOD SERVICE.

As in other lines of effort, high charges and stationary appropriations precluded improvement or extension of the river and flood service. Equipment has been repaired or renewed only where absolutely necessary, less urgent cases being deferred to some more opportune future time. The extensions that should go hand in hand with the increasing development of the business of the country, and especially with the development of water supply for hydroelectric, irrigation, and other purposes, must also be deferred, and the demands for them still exist and are increasing. At present the greatest demand is for a large increase in the number of precipitation stations and a plan of campaign is in progress of development to meet the situation.

Another legitimate field of expansion lies in the operation of river stations throughout the year. At present many are operated only during the flood season, which is sufficient for flood purposes, but engineering interests engaged in problems involving water run-off and supply constantly need data regarding low as well as high water, and these the Weather Bureau should be in a position to furnish.

The flood-warning service has met all demands upon its present organization, and the only extensions needed apply to some of the smaller rivers not now enjoying the benefits of flood-warning service. Repairs to much of the equipment, and more thorough standardization and coordination, are really necessary, but under existing conditions they must wait.

While floods were fairly numerous during the year, especially in the South Atlantic and East Gulf drainage basins, they were in the main of moderate character. The outstanding exceptions were the great floods of June in the Arkansas and lower Colorado Rivers. The Arkansas River flood was caused by torrential downpours of rain over comparatively limited mountain areas in eastern Colorado, and was especially destructive at and in the vicinity of Pueblo, Colo. Here the crest stage of the flood was more than 12 feet above the highest stage of previous record. One hundred and twenty lives were lost and 143 persons were unaccounted for, while the property losses amounted to at least $25,000,000. The Colorado River flood was due to a combination of heavy rains and melting mountain snows, and at some places the highest stages of record were reached.

Mountain snowfall measurements were continued in the West. Here again the water-supply interests are demanding increased service. The necessity therefor is admitted, and it can be accomplished only by more intensive snow surveys and an extension of the work into the highest mountain regions. The importance of this work to the irrigation and hydroelectric interests is apparent, a preliminary campaign along new lines has been outlined, and a moderate estimate of funds necessary therefor has been submitted.

The Wagon Wheel Gap experiment station maintained in connection with the Forest Service of the department has been continued during the year, and a discussion of the results of meteorological and stream-flow observation has been completed and sent to the printer. According to present plans the whole project will be completed within two or three years, and the final results announced within a reasonable time thereafter.

STATIONS AND ACCOUNTS DIVISION.

WEATHER BUREAU QUARTERS IN FEDERAL BUILDINGS.

Removals of local offices to Federal buildings were made during the year wherever quarters therein suited to Weather Bureau work were obtainable. Such removals were made at Corpus Christi, Tex., and Moorhead, Minn.

RENTED QUARTERS FOR WEATHER BUREAU OFFICES.

There were in all 20 stations where existing leases for rented quarters expired by limitation June 30, 1921. The unusual increase demanded generally for these quarters, averaging more than 33 per cent, necessitated drastic action to keep within the limits of the appropriation, and the matter was then taken up in detail, considering the activities of each station with relation to space occupied. In addition there were considered also 7 stations at which leases expired subsequent to June 30, 1921. To have met the proposals of the various landlords in these cases would have imposed an increased expenditure for rents amounting to $8,446.60. This amount was wholly unavailable, and the exigency has been met by the release of a total of 5,112 square feet of floor space, much of which is in reality essential to the proper conduct of the activities at many of the stations involved.

A frame cottage building rented and utilized for Weather Bureau quarters on Mount Tamalpais, Calif., since the establishment of that station, September 2, 1898, being no longer suitable for the purpose, the station at that place was discontinued May 16, 1921.

The status of Weather Bureau offices on June 30, 1921, at stations outside of Washington, is as follows:

Free quarters and accommodations:		
Observatory buildings (owned and controlled by the Weather Bureau)	45	
State University buildings	5	
Federal buildings	76	
Total free of rental		126
Rented buildings, etc., owned by individuals or corporations:		
Office buildings	88	
Buildings with grounds, aerological stations	6	
Total number rented buildings partly or wholly occupied		94
Total		220

TELEGRAPH DIVISION.

Telegraphic communication by the utilization of commercial services, as heretofore, was maintained at practically all of the field stations in a generally satisfactory manner, except at some corn and wheat and cotton centers. Delays in the early collection and prompt distribution of daily weather and crop reports occurred in certain localities because of the late opening of the telegraph offices. This difficulty could be overcome by resort to use of the telephone or by employment of special operators were funds available.

Telegraphic work at the central office was accomplished during the first half of the year with much difficulty, due to the loss of trained and capable employees by resignation and retirement. Auditing of telegraph, telephone, cable and wireless accounts and recording became badly delayed in the autumn, but with the assistance of an efficient temporary employee, together with assiduous labor by the older members of the division, this important part of our work was brought up to date in May.

Delay in receipt of cablegrams and wireless reports from ships at sea, especially those in and contiguous to the Caribbean Sea, continued generally throughout the six months' hurricane season, notwithstanding repair of several cables previously reported as broken. Congestion at cable points and unfavorable atmospheric conditions due to static electricity are given as the chief causes of the slow service.

Prompt and efficient telegraph and telephone service is intimately connected with and necessary to reliable forecast work. The gradually increasing volume of telegraphic business resulting from natural expansion of the forecast service at the central office has imposed a corresponding strain upon this division with its number of employees stationary for some years past. Arrangements are now in progress, however, for supplying the need for permanent additional help.

Contracts with the various wireless telegraph companies and also with the numerous telephone companies, with the exception of one operating in Oklahoma, were renewed for the fiscal year 1922 on favorable terms.

The nature and status of the several Weather Bureau telegraph and telephone lines have been more or less fully set forth in the two or more preceding annual reports, and detailed comments may be omitted here.

The most severe damages and interruptions to service occurred on the line between Tatoosh Island and Port Crescent, Washington, attending the very destructive storm of January 29, 1921. This line is of great value to logging, shipping, fishing, and other commercial interests. Vessel reporting is conducted at Tatoosh, Neah Bay, Clallam Bay and Port Angeles, and data telegraphed from the latter station to interested parties. The Neah Bay Office has been equipped with a radiotelephone set, furnished and installed by the Navy Department for use in emergencies to transfer distress warnings to the Coast Guard station at that point. It has been used also to good advantage in transacting business with Tatoosh Island when wire communication was interrupted.

About 10,000 commercial messages were handled during the year; about 3,000 Government messages were transmitted, and about 1,500 long-distance telephone calls.

While all these lines are maintained primarily to carry important Weather Bureau reports and warnings where no commercial lines are available for the service, nevertheless the Government derives a significant amount of income from local commercial messages carried for the public at very small charges, 15 cents, etc.

The following table indicates the receipts for the year:

Month.	Block Island.	Cape Henry.	Beaver Island.	North and South Manitous.	Port Angeles.
1920:					
June	$50.75	$207.38	$26.70	$14.69	$212.86
July	178.42	197.46	38.12	14.85	210.18
August	324.53	206.11	66.14	15.10	236.70
September	90.84	209.30	56.08	11.83	169.58
October	19.92	224.47	42.07	5.57	168.05
November	9.45	242.62	52.82	4.25	111.97
December	10.37	286.96	46.12	2.90	230.30
1921:					
January	7.55	255.25	35.85	1.10	82.49
February	4.52	139.58	22.78	2.68	81.47
March	5.92	206.28	23.00	3.22	103.90
April	14.36	154.60	45.17	13.15	144.44
May	22.94	145.24	34.72	6.78	144.81
June	39.19	[1] 200.00	41.37	16.57	199.00
Total	778.76	2,675.25	530.94	112.60	2,095.75

Grand total, $6,193.39.

[1] Estimated.

AEROLOGICAL INVESTIGATIONS.

Free-air observations by means of kites and balloons were continued throughout the year. This work has become an important integral part of the Weather Bureau's program, and should be developed and expanded as rapidly as possible, in order that the United States may keep pace with the rest of the world in the investigation of the phenomena of the free atmosphere now so much needed for the advancement of the art of general weather and storm forecasting and for the benefit of aeronautics.

KITE STATIONS.

Observations with kites were made regularly at Broken Arrow, Okla.; Drexel, Nebr.; Ellendale, N. Dak.; Groesbeck, Tex., and Royal Center, Ind. The station at Leesburg, Ga., was transferred to Due West, S. C., and observations were begun at that station in March, 1921. Kite flights are made daily, whenever possible, and in addition, when conditions are favorable, a continuous series of flights is made for periods of 24 to 36 hours. Records of air pressure, temperature, humidity, and wind are thus obtained. Brief summaries are telegraphed daily to the central office and other district forecast centers.

PILOT BALLOON STATIONS.

Observations by means of pilot balloons were continued at five of the kite stations (all except Drexel, Nebr.) and at Burlington, Vt., Denver, Colo., Ithaca, N. Y., Key West, Fla., Lansing, Mich., Madison, Wis., San Juan, P. R., and Washington, D. C. During the latter part of the year this work was begun also at San Francisco, Calif. The observations are made twice daily for the most part, and the computed wind conditions at various heights are telegraphed to the central office where they form the basis for "flying weather" forecasts issued to the military, naval and postal aviation services.

Special observations have been made from time to time in connection with trans-continental airplane flights and the national and international free balloon races at Birmingham, Ala.

COOPERATION.

Effective cooperation with the Army and Navy meteorological services has been continued throughout the year. Each of these services maintains a number of pilot balloon stations, whose primary purpose is to furnish data of immediate local interest to aviators at flying fields. These observations are also telegraphed to the central office of the Weather Bureau for use in issuing "flying weather" forecasts. They thus supplement in a very helpful way the surface and free-air observations made at Weather Bureau stations. In addition to the stations in the United States proper, the Navy maintains one at Santo Domingo, Dominican Republic, and one at Coco Solo, Canal Zone, which, together with those of the Weather Bureau at San Juan, P. R., and Key West, Fla., furnish information of value in connection with the development and movement of hurricanes. A much larger number of stations is necessary, however, to make this service as effective as it should be.

In order to check the accuracy of the formula used in determining the rate of ascent of pilot balloons the Weather Bureau and the Army meteorological service each made a large number of double theodolite observations. These formed the basis for a study which resulted in a slight modification of the formula and in the introduction of a small additive correction during the first few minutes of ascent. It is believed that the revised formula gives extremely reliable results, except when there are pronounced vertical movements in the atmosphere. Even then the error is appreciable only in the lower layers.

CENTRAL OFFICE.

All observations made at kite and balloon stations, by the Army and Navy as well as by the Weather Bureau, are forwarded to the central office of the Weather Bureau for final reduction and study. Data based upon these observations are furnished in answer to numerous inquiries not only from other Government departments, but from commercial aviation concerns as well. In many cases reprints of special discussions and summaries were issued in answer to these requests. A more complete summary than has heretofore appeared is now in preparation and will soon be published. This will be based upon all free-air observations thus far obtained in this country and is designed to meet particularly the needs of aviators and those interested in the development of commercial aviation on a large scale. A manual entitled "Instructions for Aerological Observers" was prepared and published. This gives

in detail all the steps necessary (and the reasons therefor) in making and reducing observations by means of kites and pilot balloons; also, a description of all instrumental and other equipment used. It fills a long-felt want and will be of special value in the event that a proper expansion of aerological investigations is made possible.

CLIMATOLOGICAL WORK.

The examination and checking of station meteorological reports of all classes showed some improvement in the general character of the work performed by both the regular and cooperating observing force, due doubtless to the more stable conditions affecting the personnel than had prevailed during several preceding years.

COOPERATIVE WORK.

Only words of highest appreciation and commendation should be applied to cooperating observers for the loyal and faithful service they have rendered the Government and people everywhere as a result of their painstaking labors in maintaining continuity of observations over a period of trying times and furnishing data necessary to meet the requirements for climatic information during the past few years.

At a time when personal service was highly valued and people everywhere were clamoring for increased compensation these observers continued their work without any monetary compensation or thought of personal gain.

In the main, reports from these observers have been rendered continuously and promptly, and a rigid examination of their reports discloses that scrupulous efforts are made to correctly interpret the indications of the instruments and otherwise to record the exact weather conditions.

ESTABLISHMENT OF NEW STATIONS.

Despite many offers of cooperation and requests for the loan of instruments for making weather observations, the number of full cooperative stations has been but slightly augmented during the year, partly from the necessity of economy and partly as a result of a general belief that the number of temperature reporting stations is now sufficient for practically all needs.

More consideration has been given the establishment of rainfall reporting stations, however, as it is generally felt that the number of these reports might be considerably increased. Limited funds for the purchase of gages have likewise discouraged the opening of such stations, except at the most desirable points.

INSPECTION OF COOPERATIVE STATIONS.

The program providing for the regular inspection of cooperative stations once in each three years was greatly abridged during the year just closed, due to the increased cost of travel and the frequent inability of station officials, on account of inadequate assistance, to absent themselves from their regular station duties.

It is felt that the best interests of the Bureau and the country at large, are greatly conserved by reasonably frequent visits to these cooperative observers by those responsible for the development of this line of the Bureau's work. Contact with these observers by the proper representatives stimulates the cooperative spirit, affords chance for righting faulty exposures of instruments, correcting erroneous methods of handling them and recording their indications.

MATERIAL FOR PUBLICATION.

The text, tables, and charts prepared for use in the regular publications of the bureau, particularly the Annual Report, the Monthly Weather Review, and the Snow and Ice Bulletins, were available for the printer at the proper time, and those published directly under the supervision of this division were issued promptly.

Material for the reprint of a number of the exhausted parts of Bulletin W was prepared during the latter part of the year. Several have already been issued, and about 10 more are now at the Government Printing Office awaiting opportunity to print.

The monthly and annual section reports printed at the respective State centers were issued in the main at the prescribed times. Lack of efficient printing help at some of the stations delayed the issues accordingly, and the prompt assembling and binding of the complete sets for all States has been prevented by the late receipt of a few of the sections.

The section annuals for 1920 were available for issue from most of the sections at the usual time, but the delay in issuing the monthly numbers at a few stations was also carried forward to the annuals and at the close of the last fiscal year one or more sections had not yet completed the annuals.

The sets of these monthly and annual section reports for 1919, for station use, about 140 sets, were assembled, bound at the Government Printing Office, and the complete sets mailed from this division as usual.

CHANGES IN PUBLICATIONS.

On account of the high cost of paper and the general need for economy, the Annual Climatological Summaries, 1920, were materially reduced in size, and, beginning with the January, 1921, number, the Monthly Summaries have been issued without the usual cover and in some cases still further reduced in size. Great care was exercised to retain all the valuable features possible, and as no material complaints have arisen it is assumed that though reduced in size the material furnished meets the more pressing needs of the public.

BINDING AND PRESERVATION OF METEORLOGICAL RECORDS.

The assembling and binding of the original meteorological records for the regular stations went forward as usual, and the work of assembling several years of the cooperative observers' records and their preparation for binding is also nearing completion.

NEW WORK.

The revision of the parts of Bulletin W, bringing the various tables and other matter down to the end of 1920, is now being carried forward, and it is hoped the reprinting of these can be accomplished during the year.

As the first edition of these separates was issued more than 10 years ago, the supply of a number of the important parts has become exhausted and much additional labor in preparing answers to public inquirers can be saved by having them all reprinted. Effort is being made to include much additional material not carried in the earlier issues, necessitated by the constant public demand for more details of the weather and climate over the different parts of the country.

The preparation of new daily, weekly, and monthly normals of temperature, delayed for a considerable period from unavoidable causes, is now being taken up and it is hoped they may be completed and put in use during the present year.

OCEAN METEOROLOGY.

In consequence of the operation of the retirement act it was necessary, near the begininng of the year, to reduce the force engaged upon the work of ocean meteorology at the central office. This action in turn resulted in the suspension of work upon certain projects. In general, however, the purely routine work has been carried on as usual.

At Weather Bureau stations in the principal ports where marine work is carried on, generally less contact with the marine observers has been maintained, on account of increased demands on the station force for service which could not be deferred.

The work of ocean meteorology, as conducted by the United States, rests upon the voluntary efforts of masters and officers of the world's merchant marine. Experience has shown that a certain measure of personal contact is necessary to insure keeping this cooperation up

to the desired volume and standard, and that when this contact breaks down the work suffers accordingly.

The revival of United States shipping and the cordial cooperation with the Weather Bureau on the part of the Shipping Board has for the moment offset the enforced inactivity on the part of the bureau. The situation can not continue, however, without serious detriment to the work.

The foremost maritime nations have always fostered the work of ocean meteorology as conducted by their several governments, and it is the belief of officials of the Weather Bureau that the United States in the development of its own merchant marine must follow the examples set by these nations.

Recommendations for the support and extension of this work, believed to be in keeping with the general policy of economy, have been made in the estimates for the ensuing fiscal year.

AGRICULTURAL METEOROLOGY.

Collection of meteorological data for each week ending Tuesday at 8 a. m., and the effect on vegetation, stock, and farm work, and the publication of these facts in the National Weather and Crop Bulletin on Wednesdays at 11 a. m., has been continued throughout the year. This bulletin has been reduced from 8 to 4 pages during most of the time to conserve time and supplies; during the winter months it was combined with the Snow and Ice Bulletin. Throughout the growing season a special Corn and Wheat Region Bulletin has been published each week at Chicago and a similar bulletin has been published at New Orleans covering the cotton belt; local summaries covering individual States have also been issued from each section center. These reports are very popular as they give in condensed form the only available rainfall and temperature data covering the whole United States.

SPECIAL SERVICES.

Publication of daily bulletins giving in tabular form rainfall and temperature during the preceding 24 hours was continued in the principal corn, wheat, cotton, sugar, and rice States. The opening of this service was delayed from April 1 to May 1 in 1921, in the interest of economy in salaries to special observers, telegraph service, and supplies. The weekly collection of meteorological data and its publication in bulletin form were continued in the range districts in Texas, New Mexico, Arizona, Utah, and Wyoming. There has been a strong demand for the extension of this service in other cattle grazing States, particularly Montana.

The collection of temperature data from special stations in the tobacco, fruit, truck, and alfalfa seed districts to aid in issuing warnings of damaging temperature was continued during the critical frost season. An imperative reduction in the office force at Hartford, Conn., made it necessary, however, to permanently discontinue this service in the Connecticut Valley tobacco district during the spring of 1921. Lack of funds prevented the detail of a field official to continue special temperature studies in the Pomona, Calif., citrus region during the winter of 1920–21, but the work was continued in the Rogue River Valley in Oregon, where it was of especial value in the deciduous-fruit orchards. Special weather warning services for spraying operations were continued in New York and Michigan, and this service was inaugurated in a limited way at Wytheville, Va.

INVESTIGATIONS.

Mathematical studies of the effect of weather on crops have been carried on as opportunity permitted. Papers published on these studies are:

Kincer, J. B. Computing the Cotton Crop from the Weather and Ginning Reports, Monthly Weather Review, May, 1921.

Young, F. D. Influence of Exposure on Temperature Observations, Monthly Weather Review.

Rate of Increase in Temperature with Altitude during Nights in Orange Groves in Southern California, California Citrograph, March, 1920.

Effect of Topography on Temperature Distribution in Southern California, California Citrograph, May, 1920.

Smoke and Direct Radiation in Frost Protection, Better Fruit, December, 1920.

Kimball, H. H. Smudging as a Protection from Frost, Monthly Weather Review, August, 1920.

Investigations in hand relate particularly to the effect of weather on corn over comparatively small areas in Ohio, Nebraska, and Illinois, and on cotton in South Carolina, Arkansas, and Texas. The further these investigations are carried the more important it seems to establish a number of Agricultural Meteorological stations at well distributed Experiment Stations.

PRINTING.

The utmost economy was practised in the issue of publications and the purchase of necessary supplies of paper, tag board, ink, and other printing materials. No new equipment of consequence was installed throughout the year.

The revision of our mailing lists admitted of dropping 90 addresses from the Daily Weather Map, 654 from the National Weather and Crop and Snow and Ice Bulletin, 50 from the Climatological Data of the United States by sections, and 128 from the Monthly Weather Review.

Paid subscriptions for the Monthly Weather Review are filled by the Superintendent of Documents, Government Printing Office, from the 250 copies furnished him each month by the printing division.

Special arrangements were made with the Superintendent of Documents in March, 1921, whereby the superintendent agreed to pay the bureau for 250 copies of the Monthly Weather Review, which for years have been furnished to him free of charge.

MONTHLY WEATHER REVIEW.

The Monthly Weather Review, exclusive of charts, has contained an average of 63 pages of text and tables in each of the 12 issues which have appeared during the fiscal year.

The publication has been and continues to be practically the only medium in the United States for the diffusion of knowledge respecting meteorology, not only as to current and average weather conditions, but also as to any progress which may have been made in advancing the science at home or abroad. It also, in no less degree, aids in the eradication of false ideas, which everywhere abound respecting the weather. At the same time it aims to stimulate and assist in giving wholesome instruction in meteorology in secondary schools, colleges, and universities.

INVESTIGATIONS IN SEISMOLOGY.

The important work of collecting and publishing earthquake data, begun December 1, 1914, has been continued during the year.

During the calendar year 1920, 106 separate earthquakes strong enough to be felt by the senses were reported from different parts of the continental United States. The great majority of these produced little or no damage, but an earthquake of considerable intensity occurred in the vicinity of Los Angeles on June 22, followed by milder shocks in July, both accompanied by somewhat extensive damage.

The conduct of the work in volcanological observations, at the Hawaiian Volcano Observatory, in the Hawaiian Islands, was assigned to the bureau by legislative action in the appropriation bill for 1919. The standard program of observations has been carried out, as heretofore, under the direction of Dr. Thomas A. Jaggar, jr., who inaugurated the work, and who is assisted by a small staff of specialists. The results of the observations are published from month to month in a small bulletin printed at Honolulu, and supplemented by occasional notices in the newspapers, as circumstances justify.

LIBRARY.

During the fiscal year 850 books and pamphlets were added to the library, the strength of which is now over 40,000. Routine work has been kept fairly well up to date, in spite of a reduced staff, but no important special undertakings are possible without a much larger trained personnel. In proportion to its size and varied program the Weather Bureau library has probably a smaller staff than any other Government scientific library, and there are cases in which much smaller libraries have staffs at least ten times as great.

The exhaustive bibliography of the climatology of South America, begun two years ago, is in the hands of the printer and it is hoped will soon be ready for distribution.

SUPPLIES.

The purchase of all property and supplies for the Weather Bureau is made by the supplies division, and it is responsible for all property in the central office. It is charged with the supervision of all property issued to the stations of the service in various parts of the United States and the West Indies. This division is also charged with the distribution of property and supplies to and from stations. These shipments are made direct under Weather Bureau bills of lading as a rule, and through the United States dispatch agent at New York and the quartermaster department. During the fiscal year 1921 all shipments have been promptly made and carried through to destination without unnecessary delay.

During the fiscal year just ended, the various duties of this division have been fulfilled and the equipment of the central office and the several stations fully maintained. All property and supplies have been purchased and delivered according to law.

The annual property returns from stations were all duly received in this division, examined, discrepancies adjusted, and the papers filed.

All reports relative to property called for, such as motor-propelled vehicles, typewriters, etc., have been promptly made. All worn-out and unserviceable property has been disposed of according to law and the regulations of the department.

INSTRUMENT DIVISION.

STATION EQUIPMENT.

The activities of the instrument division during the year that ended June 30, 1921, have been devoted largely to the maintenance of regular, special, and cooperative station equipment with a stationary allotment of funds at a time when prices are high. The general policy of the Bureau has been to discourage extensions of the service. This policy has made it possible to get along with existing instruments, repaired in our own machine shop as they become unserviceable.

STORM WARNING EQUIPMENT.

Largely as a result of the thorough overhauling and standardizing of the storm warning display equipment in previous years, the expense of maintaining the towers has been small. The new sherardized conduits have begun to rust, however, and should soon be painted. These are found to rust far more quickly than the towers to which they are attached.

NEPHOSCOPES.

One hundred nephoscopes have been installed at selected stations of the bureau. It is hoped that in the near future it may be practicable to formulate and get into practice a regular program for nephoscopic observations of clouds.

NEW INSTRUMENTS.

Improvements have been effected in a new type of weighing rain gage, and a self contained tipping-bucket rain gage was designed with special reference to the rainfall insurance problem.

A wind-vane commutator has been designed by Mr. Kadel for use as regular Weather Bureau station equipment. A description of this will appear in the Monthly Weather Review.

Three sets of apparatus for testing aneroid barometers have been designed. One of these will be retained as laboratory equipment, and the other two will be sent to New York and New Orleans, respectively. A triple register or meteorograph for making records in duplicate has been designed and constructed in the division, and is now in successful operation at the New York station.

EVAPORATION.

The following listed evaporation stations are sending monthly reports:

Agricultural College, N. Mex.
Ajo, Ariz.
Arrowrock Reservoir, Idaho.
Austin, Tex.
Centerville Lake, Minn.
Chapel Hill, N. C.
Chula Vista, Calif.
Columbia, Mo. (Weather Bureau).
Columbia, Mo. (University).
Columbus, Ohio.
Corvallis, Oreg.
Deer Flat Reservoir, Idaho.
Dodgeland, Calif.
Elephant Butte, N. Mex.
Hoaeae Upper, Hawaii.
Ithaca, N. Y
Jerome, Idaho.
Lake Kachess, Wash.
Lincoln, Nebr.
Maunawili Ranch, Oahu, Hawaii.
Mesa, Ariz.
Mud Lake, Idaho.
Myton, Utah.
Oakdale, Calif.
Pahrump, Nev.
Piute Dam, Utah.
Provo, Utah.
Rapid City, S. Dak.
Roosevelt Reservoir, Ariz
St. Croix, V. I.
San Juan, P. R.
Santa Fe, N. Mex.
Sheridan Field, Wyo.
Silverhill, Ala.
Sun River Canyon, Mont.
Tahoe, Calif.
Tribune, Kans.
Tucumcari, N. Mex.
Walla Walla, Wash.
Willcox, Ariz.
Willow Creek, Mont.
Wichita, Kans.
Wooster, Ohio.
Yuma (Evaporation).
Yuma (citrus).

INVESTIGATIONS IN SOLAR RADIATION.

Six thermopiles, construction of which was commenced in our machine shop in December, 1920, should be completed as soon as possible. These are designed for two purposes; (*a*) to be exposed horizontally under a glass cover to measure the total solar and sky radiation received on a horizontal surface; (*b*) to be exposed in a diaphragmed tube on an equatorial mounting, which permits of keeping the tube pointed to the sun, so that the intensity of direct solar radiation may be continuously measured.

In order to obtain continuous records from these thermopiles a register is required, the present price of which is $460. The purchase of one of these was requested during the year 1921–22, and another should be purchased during the year 1922–23 for use outside of Washington. It is expected that this instrument will practically eliminate the necessity of eye readings of pyrheliometers, thereby saving in one year in labor nearly the equivalent of its cost.

It is hoped that by the use of absorption screens in connection with the apparatus described above it may be possible to obtain continuous records of the luminous intensity of solar and sky radiation. Such records are urgently requested by members of the Illuminating Engineering Society, and others. Eye measurements of sky brightness, and of the intensity of daylight illumination upon surfaces facing in different directions, are now being made in Washington, and measurements at other points, and especially in smoky cities, are contemplated. For this purpose the purchase of a photometric outfit costing about $250 has been requested during the fiscal year 1921–22. A similar purchase should be made during the fiscal year 1922–23.

The observations and measurements in solar radiation by the Weather Bureau are confined to intensities at the surface of the earth. Nevertheless, a problem of great importance attaches to the question of possible day-to-day variation of intensity of the radiation of the sun as it reaches the outer limits of the earth's atmosphere. Measurements of this quantity are made only with great difficulty, but for many years the Astrophysical Observatory of the Smithsonian Institution has been making such determinations, and very recently systematic arrangements have been made for the maintenance of observations as nearly daily as possible, at two widely different stations, one near Calama, Chile, and another in the southwestern portion of Arizona. Through the cordial cooperation of Dr. Abbot, the Director of the Observa-

tory, results of these measurements are furnished to the Weather Bureau, which publishes them systematically in the pages of the Monthly Weather Review.

Studies of the relation between these day-to-day observations of solar intensity and the phenomena of the weather have been made by a number of different students, with the view to establishing important correlations which permit of successfully forecasting the weather. However, the investigations which have been made by the Weather Bureau tend in the main to discredit the relatively optimistic views of those who advocate that small variations in observed solar intensity are satisfactory indications of coming atmospheric conditions at given localities.

Especially do the investigations of the Weather Bureau indicate that the claim that there is a distinct variation of a few per cent in solar radiation from day to day has little scientific foundation. These variations are more easily explained as errors of observation; that is, errors introduced in the measurements by the known influence of the atmosphere of the earth in absorbing portions of the incoming radiation, leaving the conclusion that if any actual systematic day-to-day fluctuations occur in the intensity of the solar radiation as it reaches the outer limits of the earth's atmosphere, they are very small; that is, of the order of two or three tenths of one per cent.

These views are not to be interpreted as applying to possible slow changes of long periods—weeks, months, years, perhaps—of intensity of solar radiation. This important question calls for many accurate observations of radiation intensities.

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PART II.

GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1920, WITH CHARTS.

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1920.

SUNSHINE, 1920.

DETAILS OF EXCESSIVE PRECIPITATION, 1920.

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REVIEW OF WEATHER CONDITIONS DURING THE YEAR, 1920.

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

The most notable features of 1920 weather were the deficiency of temperature during the first two-thirds of the year in central and especially eastern districts, and the excess of temperature during the final four months, and the comparatively favorable distribution of the summer rainfall. Chart 1 indicates that the temperature of the growing season was below normal, except in a few portions, particularly along the northern border from Montana eastward, where the warmth of September was partly responsible for the appearance of the small seasonal excess. As in 1919, the closing months showed in most States a reversal of the temperature conditions that had prevailed previously. The year was free from marked extremes of temperature over large areas. In Illinois, for instance, the highest mark of the year was only 101°, which in the preceding 25 years had been equaled twice and surpassed the other 23 times; while the lowest mark, −18°, had been exceeded in a large majority of the years of record.

The rainfall of the growing season, represented in Chart 2, was well distributed east of the hundredth meridian. It is noteworthy that it was over 24 inches in the greater part of Oklahoma, and fully 20 inches in half of Kansas. In each of those States this was the first year since 1915, and in Oklahoma it was only the second year since 1908, when each month from May to August, inclusive, has brought near to if not the full normal amount of precipitation. While one 1920 month, June, had but about 70 per cent of the normal quantity, it followed a wet May and was hardly above normal in temperature. The other summer months were still more favorable for crop growth, and the yields were unusually large. In Iowa it is noted that 1920 resulted in a record corn crop and a very good potato crop, which hardly ever come together in one year; the summer was cool enough to favor potatoes, while September turned warm enough to push the corn to maturity before frost came.

The relation of the crop-season precipitation to the normal is shown in Chart 3. Scarcely any districts are indicated as having more than slight deficiencies, and excesses are the rule, especially in northern Alabama and adjacent districts. The year's entire precipitation is indicated in Chart 4. In some States, as Illinois, this is found to be one of the driest years of record; while in New England it was the wettest year since 1898.

Considering the whole country, 1920 must be reckoned a year of favorable weather conditions, in spite of such difficulties as the hindering of transportation in northeastern districts during the first two months by remarkably heavy snow and sleet, and the very scanty summer water flow in California, due to light precipitation during the preceding winter.

JANUARY.

Temperatures varied considerably in most States, but in northeastern districts the month was cold almost throughout, and the latter half especially so. From Michigan to northern New England the month averaged about 10° colder than normal. In the Southeast and in most States west of the Mississippi River the mean temperature was above normal.

The precipitation was considerable in the north Pacific region and Arizona, and was heavy from Texas eastward to the southern Appalachians and northeastward to a little beyond the Ohio River. From Iowa westward and southwestward to the middle and southern Rocky Mountains there was a deficiency, and in California this was the driest January of record, and followed several other abnormally dry months. From Montana eastward to Maine there was much snow during the month.

FEBRUARY.

Cold weather prevailed most of the time in the eastern third of the country, but from the Mississippi River westward the month was almost all mild, till the very closing days. In the Missouri Valley and parts of the Plateau region it averaged from 4° to 8° warmer than normal.

Precipitation was scanty over most of the country, but was above normal along the immediate Atlantic coast, where a slow-moving storm caused heavy falls early in the month. Arizona also had far more precipitation than usual in February, and southern and central California had moderate amounts, greatly improving the outlook for crops and ranges and for summer water supply. The accumulation of snow in the Northeastern States was very large, and resulted in greatly hindering transportation.

MARCH.

The early part of the month saw marked temperature changes, but was mainly cold in the central and eastern portions with very unseasonable cold in the Southeast. The month averaged warmer than usual east of the Rocky Mountains, except in the Southern States, where it was somewhat cooler than normal, as it was in the far West.

The month was marked by vigorous storm activity, and at nearly all stations the wind movement was large. The precipitation was scanty in Florida, Texas, and most of the Plains, but elsewhere in central and eastern districts it was usually considerable, especially in South Carolina, the southern Appalachian region, and the northern part of the East Gulf States. In the West precipitation was scanty, as a rule, in the Rocky Mountain States, but above normal in California and the middle and northern Plateau.

APRIL.

Unseasonably low temperatures were the feature of the month, though during the first half there were some warm periods between the cold, and in the latter half some moderate weather occurred in the East and South. About the 6th the lowest April temperatures of local record occurred at many points between the Mississippi River and the Rocky Mountains. The month averaged cold almost everywhere, and was especially cold from the upper Mississippi River westward to beyond the Rocky Mountain crest.

From Texas to southern California the precipitation was scanty, also in North Dakota. Otherwise it was above normal, and the rainfall was especially heavy in the Southeast and over the Ohio River drainage area. A notable snowstorm came about the 17th in the middle Rocky Mountain region and the adjacent Plains.

MAY.

The first three weeks were largely cool, especially in the eastern half of the country. The latter part of the month was rather warm, save in the Atlantic States and the far Northwest. The month averaged generally a little warmer than normal from the lower Mississippi Valley to interior California, also in Minnesota and some adjacent districts, but elsewhere cooler, particularly in the Middle Atlantic States and the Carolinas.

The month was marked by frequent ample rains in most districts, save during the final week. There was a marked excess in the monthly falls over the middle Mississippi Valley and the Southern Plains, but most of the States northeast of Georgia had much less than normal, as did nearly the entire Lake region.

JUNE.

In central and eastern districts temperatures shifted rather more than is usual in the warmer part of the year, but the month was cooler than normal in most States and especially cool in the northern Plateau region. From the upper Lakes southwestward to the middle Plains there was a moderate temperature excess, also in other scattered areas.

The rainfall of June was irregularly distributed, as usual for a summer month, yet was not seriously scanty in many areas east of the Rocky Mountains. The middle Plains and the central valleys were regions of scanty fall, and the Southeast mostly had little rain.

JULY.

In the eastern half of the country temperatures were inclined to be somewhat below normal, although the first week was hot and the early part of the last decade. The western half was

usually warmer than normal, and Montana, eastern Washington, and other parts of the Northwest averaged about 3° hotter than normal.

The rainfall was irregularly distributed, but was mainly heavy in the lower Mississippi Valley, Florida, and the Carolinas, and was usually ample in the eastern half, except from Kentucky and Tennessee northwestward to western Wisconsin; also westward to southern Kansas there was a shortage. In central and southern Texas, and, as a rule, in the Rocky Mountain States and to westward there was less rain than normal. Northern Utah and southern Idaho had now become especially dry.

AUGUST.

Temperatures were seasonable most of the time in the majority of States, but the middle of the month was cool in the southern Plains and the latter part in much of the far West. The month averaged cooler than normal over most of the country, but warmer in the Pacific States and along the Canadian border.

The month's rainfall was considerable and, for August, well distributed in the cotton States and the southern and western parts of the chief corn-producing area. In the far West there was usually at least as much as the average quantity for August. Minnesota and the Dakotas, however, had less rain than usual. The close of August found many crops somewhat late, owing to the cool weather of April and some of the subsequent months, but capable of large yield should later weather favor them.

SEPTEMBER.

The first week was warm in the far West but mainly cool east of the Rocky Mountains; afterward temperature conditions were the reverse of this, except at the very close. The month averaged warm in most States, and especially in the north-central part of the country.

Two storms of tropical origin reached Louisiana and Florida respectively during the latter part of the month and the later storm moved northeastward nearly along the coast line. Largely owing to these, the rainfall was heavy in coast districts from central Louisiana to Cape Hatteras. New England and New York had heavy rainfall, also the far Northwest. In most other States the monthly amounts were near normal, except in Wisconsin and from Nebraska northwestward to Wyoming, where there were marked deficiencies.

The warm, dry weather of the month was decidedly favorable for pushing late corn and other crops to maturity.

OCTOBER.

The first few days were warm in the West but cool in the East. From about the 10th cool weather prevailed west of the Rocky Mountains and steady warmth to eastward, until very near the close. The month averaged quite cool in the middle and southern Plateau region, but elsewhere usually above normal, and from the Dakotas and Iowa eastward it was among the warmest Octobers on record; also at many eastern stations the month's percentage of possible sunshine was among the highest recorded.

There were heavy rains during the latter half of the month in Oklahoma and large portions of the States adjoining. East of the Mississippi River October brought decidedly little rain in most districts. West of the Rocky Mountains there was mainly more precipitation than normal, the snowfall being unusually heavy for the season in much of Wyoming and Utah.

NOVEMBER.

The first week was mainly warm east of the Rocky Mountains. The 10 days from the 8th to the 17th were cold in almost the entire country, especially between the Mississippi River and the Rocky Mountains. For the rest of the month warmth was the rule, save in the southern portions and the Northeast. The month averaged considerably warmer than normal in the Dakotas and vicinity, but much cooler in the central Rocky Mountain region, and somewhat cooler in most of California, Nevada and the Gulf States. Elsewhere it was mainly about as warm as normal.

After an October with little cloudiness many parts of the East had a November that was remarkably cloudy. The precipitation was generally more than normal in the Atlantic and Gulf States and in the northern half of California. In the central valleys and the far Southwest there was much less than the normal quantity.

DECEMBER.

In spite of cold weather in most districts for about 10 days, beginning the 17th, the month as a whole was mild for most of the country, especially from the northern and middle Plains eastward. In the far Southwest and the central Rocky Mountain region the month averaged somewhat colder than normal.

There was at least moderate precipitation nearly everywhere east of the Mississippi River, and from Arkansas and Louisiana eastward almost to the South Atlantic coast the amounts were very heavy. West of the Mississippi the amounts were usually below normal save in the western cotton belt and in the middle and northern Plateau and Pacific coast regions. The snowfall was light in most regions and far less ground was covered for long periods than is usual in December.

TORNADOES, 1920.

During 1920 there were apparently fewer tornadoes than usual in the States west of the Mississippi River, and in several of the large Central States no report came of the loss of a single life by tornado. In fact, in all the country west of the Mississippi but three 1920 tornadoes are known to have taken as many as five lives apiece, these occurring one each in Missouri, Arkansas, and Oklahoma, the last named being most destructive. East of the Mississippi River there were two dates when several tornadoes of great destructive power and often of very long path occurred—March 28 and April 20. The storms of these two dates were discussed in great detail in the Monthly Weather Review, April, 1920, issue, so are given less space here than their importance would seem to call for. No true tornado seems to have occurred during 1920 anywhere west of the one hundred and fifth meridian, and but two in the Atlantic States north of the Carolinas.

Alabama.—There was apparently a small tornado in Pike County, near Troy, on March 17, about noon. Damage of about $5,000 is reported.

On March 28, the first of the two dates notable for the occurrence of numerous severe tornadoes east of the Mississippi River, there were two in Alabama during the afternoon. The more southern appeared near Deatsville, about 2:30 p. m.; this town is almost at the western edge of Elmore County, and the storm traversed that county and Tallapoosa and Chambers Counties, till it reached the Georgia line at 3:37 p. m., at West Point, which is 65 miles east-northeast of Deatsville. The fatalities in Alabama were 17 and the damage was $150,000, Tallapoosa County suffering most. The northern storm of the day was about 70 miles distant, the hour not being reported. It occurred in Calhoun County, and was probably not of long path; but one boy was killed and there was much damage.

On April 20, the other date of severe tornadoes, there were again two in Alabama, and the losses of life and property were probably greater than ever before in that State from tornadoes during a single day. The two storms moved almost exactly northeastward, in practically parallel tracks, about 40 miles apart. The more northwestward storm, which was first noted in or near Oktibbeha County, Miss., entered Alabama in Marion County, about 9 a. m.; it traversed Franklin, and corners of Colbert and Lawrence Counties, and seems to have ended near the Tennessee River, northeast of Town Creek, about 11 a. m. Thus in the two States it had traversed about 140 miles in about 180 minutes. In Alabama this storm caused 44 deaths and somewhat more than $1,000,000 damage, Marion and Franklin Counties suffering most. The more southeastward storm was first noted in Alabama in Fayette County, yet it is in line of a Mississippi tornado, which was traced in that State to southern Lowndes County, not many miles from the Alabama line and about 65 miles southwest of the vicinity in Fayette County.

It traversed Walker, Winston, and Cullman Counties, then apparently was well above the ground in Morgan County, where scarcely any harm was done, but having crossed the Tennessee River it did great damage in Madison County, and probably ended near the line between Madison and Jackson Counties, about 15 miles south of the Tennessee-Alabama boundary. From Neshoba County, Miss., the storm had traveled about 230 miles, in the period of 275 minutes. The fatalities from this storm in Alabama were about 46, mainly in Winston and Madison Counties, and the property loss foots up not much less than $1,000,000. Of the four tornadoes which originated in Mississippi during the morning of April 20 the most southern did not reach the western edge of Alabama, while the most northern passed from Mississippi into Tennessee just beyond the extreme northwestern corner of Alabama.

Arizona.—No tornadoes reported.

Arkansas.—The tornado which traversed Taney County, Mo., about noon, March 11, is reported to have started in the northeastern part of Carroll County, Ark., but its path probably was short in Arkansas, and without damage of importance.

Near midnight on April 18, or rather more than 30 hours before the severe tornadoes formed in eastern Mississippi, there was an intense tornado in western Arkansas, in Yell, Logan, and Johnson Counties. It seems to have begun its damage near Mickles, Yell County, and to have moved at first northwestward, then to northward across Logan County, then reaching and crossing the Arkansas River and continuing to northeastward and later northward in Johnson County. The path was about 35 miles long, and a quarter mile wide; there were 18 killed, while the property damage is given as more than $100,000.

California.—No tornadoes reported.

Colorado.—On the afternoon of May 5 there were apparently two distinct tornadoes near Severance, in western Weld County, not very far from midway between Denver and Cheyenne. They were not far apart in time or distance, and their paths were apparently both short and narrow. No person was killed, but there was some loss of live stock, buildings, and other property. (One arrow on Chart 5.)

Florida.—No sure tornadoes reported. On June 5 a local storm did some damage along a path from southwest to northeast in Madison and adjoining counties; but it is doubtful if this was a tornado. The damage is counted in table on page 40.

Georgia.—On March 28 the severe tornado that had started near Deatsville, Ala., entered Georgia and struck West Point about 3:37 p. m., and continued northeastward 14 miles to Lagrange, which it struck about 4 p. m. In each of these places there was great damage—the greater at Lagrange. The deaths in Georgia numbered 33, and the property loss was computed at $1,250,000. These figures do not include one death and a vast amount of damage done that day in Georgia at points far distant from the track of the tornado, as these winds, though severe, are thought not to have been tornadoes.

Idaho.—No tornadoes reported.

Illinois.—Late on the afternoon of March 25, three days before the group of tornadoes visited the northeastern part of the State, there was a less important tornado in the central portion, starting not many miles northeast of Springfield, near the southern border of Logan County. The storm traveled about 20 miles, at first northeastward, then northward. No persons were killed, but there was property damage of about $15,000.

About noon of March 28 the first very notable tornadoes in Illinois for nearly three years occurred in and near Cook County, two of the storms reaching parts of the city of Chicago. The paths of these tornadoes were very closely parallel, and they moved in a direction a little north of directly northeast. What is probably to be reckoned a tornado left a path of devastation in the eastern part of De Kalb County, starting south of Cortland and passing east of Sycamore; the total length was fully 12 miles, the hour was not reported, and no person was killed, but property loss was fully $25,000. This was rather probably an early appearance of the tornado that visited Walworth County, Wis., fully 40 miles to northward, about 12:30 p. m., but a broad interval between has furnished no report of damage. Far more disastrous were the

results of the two tornadoes next to eastward. The Elgin tornado, about 15 miles to southeastward of the De Kalb County storm, covered 30 miles in Kane, Cook, and Lake Counties, between 12:05 and about 12:40 p. m., causing 8 deaths and property damage of about $1,000,000. About 23 miles farther to southeast the Melrose Park tornado traveled 50 miles in Will, Du Page, and Cook Counties, entirely crossing the last-named to the shore of Lake Michigan, between 12:15 and 1:15 p. m., killing 20 persons, and doing damage of about $2,000,000. Finally 8 miles farther to southeast there was a tornado wholly in Cook County, covering 10 miles between 1 and 1:15, causing property loss of about $150,000, but no deaths.

Two unimportant tornadoes occurred in June. One was in Henry County, near Galva, on the 1st, while the other was in Peoria County, about 5 miles north of Peoria, about 1:40 p. m. of the 22d. Their paths were apparently narrow and short; only trifling damage was reported, with no fatalities.

Indiana.—On March 28, when tornadoes occurred in so many States, three formed late in the afternoon in eastern Indiana, all of them continuing into Ohio. They all moved northeastward, and the most northerly probably covered nearly 20 miles in Indiana, but the others apparently somewhat shorter distances. The northern storm started in northeastern Wells County, then crossed a corner of Adams into the southeastern part of Allen, passing about 12 miles southeast of Fort Wayne; the hour was 5:30 p. m. A little later the middle storm, about 20 miles to southeastward, traversed parts of Jay and Adams Counties. Somewhat later the southern storm, about 30 miles farther to southeastward, traversed parts of Wayne and Randolph Counties. In order from north to south the storms took in Indiana 13, 14, and 12 lives respectively; and caused damage of about $1,000,000; a large, but unestimated amount; and about $350,000. These losses were largely in rural districts, but the northern storm did much harm in the town of Edgerton, while the southern caused loss of several lives and much property in Union City.

Iowa.—During May there were three unimportant tornadoes, with paths but a few miles long. The first occurred on the 8th, about 5 p. m., in Chickasaw County, in the northeastern part of the State. The second and third occurred on May 22, about the same hour, 5:30 p. m., or in the case of the Howard County storm a little later. This Howard County tornado occurred but a few miles northeast of the locality visited by the storm of May 8, and it was about 60 or 70 miles southeast of the starting point of a much longer tornado in southeastern Minnesota, which occurred in the early afternoon of the 22d. The other Iowa tornado of the 22d was far away, visiting Harrison, one of the westernmost counties. Each of the Iowa May tornadoes moved northeastward or eastward, and the damage from each was but $5,000 to $10,000.

During the night of June 8–9 there were two tornadoes in Iowa, the earlier in the northwestern part of the State, about 11 to 11:30 p. m., traversing the northeastern portion of Woodbury County and the southwestern portion of Cherokee, moving in all about 5 miles northeastward, and doing damage of about $60,000. The other tornado occurred about three hours later, almost 200 miles to eastward, in Fayette County; it moved northeastward, but only a short distance, and the damage was only $8,000. It may be noted that during the preceding day two tornadoes occurred a few hundred miles to northward, in central Minnesota.

On July 1, about 4:30 p. m., a small tornado moved southeastward, following somewhat the course of the Missouri River, in the vicinity of Blair, Nebr. At least once it crossed into the southwestern part of Harrison County, Iowa, where it did over $5,000 damage. About 70 miles to southeastward, in Adams County, the most severe tornado of the year in Iowa formed that day about 5:45 p. m., and in about 25 minutes traveled about 20 miles, first to southeastward, then to northeastward. The width of the path was small, but the damage to crops and buildings was about $100,000.

This was the second successive year without one death in Iowa resulting from a tornado.

Kansas.—There were violent winds in several of the counties of eastern Kansas on May 3, but only in Greenwood County is it well established that there was a tornado. This came a little after 5 p. m., probably starting about 12 miles northwest of Eureka and ending near the

eastern edge of that town. The path of destruction was 100 yards wide, and damage of $200,000 resulted.

In the north part of Lawrence, Douglas County, about 8 p. m., July 1, one or more small tornadoes did slight damage. Tornadoes had been noted somewhat earlier that day in eastern Nebraska and southwestern Iowa. On July 31, between 3 and 4 a. m., a tornado occurred 5 miles north of Manhattan, moving over a mile northeastward with narrow path, and doing damage of fully $1,000. There are some indications of a small tornado a few miles south of Wichita about 6 p. m. the same day, when a very severe hail storm devasted a considerable strip.

On August 19, about 11 p. m., there was a violent local storm about 7 miles northeast of Dodge City; but it is not established as a tornado, so, like the storm near Wichita, it is not indicated on Chart 5. A small tornado occurred in Jefferson County, in the northeastern part of the State, about 7:30 p. m., September 23. The damage was slight, though the path was a quarter mile wide.

No deaths from tornadoes were reported in Kansas in 1920.

Kentucky.—No tornado reported surely within the State. On July 16 a tornado that passed northwest of Union City, Tenn., is reported to have done some damage near Fulton, which is on the Kentucky side of the State line, but very near it.

Louisiana.—It is reported that considerable damage was done on April 8 by a tornado near Eros, Jackson Parish, in the northern part of the State. Other details are lacking.

Maryland and Delaware.—No tornadoes reported.

Michigan.—On March 28, when so many severe tornadoes occurred in Illinois, Indiana, Ohio, and Wisconsin, there were probably five in Michigan, none of them surely connected with any of any other State. As far as known all moved northeastward, but the most northwestern somewhat to east-northeast, and the most southeastern probably somewhat to north-northeast, so that their tracks converge slightly. The first in point of time, which was naturally the most northwestern, began quite near the Lake Michigan shore, in Oceana County, almost half way up the western shore of the lower peninsula. In this county the only death laid to the storm occurred. The storm was timed in southeastern Mason County at 3:30, and continued on through Lake and part of Osceola Counties into Wexford, about 60 miles in all. The longest storm rather probably started in the northwestern part of St. Joseph County, Mich., and moved to the northern part of Saginaw County, not far from 130 miles, in which, however, there are some breaks where no damage was noted for several miles. There are some indications that this storm was felt farther southwest, in Cass County, or even in northern Indiana, near South Bend, St. Joseph County. This second storm surely passed through Kalamazoo, Barry, Eaton, Clinton, and most of Saginaw Counties; its path was about 80 miles southeast of the Oceana County storm, and it was about 90 minutes later where times can be compared, for it was in St. Johns, Clinton County, at 5:08 and near Saginaw at 6:30. The property loss was great in St Johns, factories and store buildings being damaged, but no lives were lost there. Several were killed in rural districts, Barry County especially suffering. In all 7 deaths are reported as due to this storm. Next to southeast is the Shiawassee County storm, about 30 miles distant and about 40 minutes later when times are compared at points abreast. A track of about 8 miles is reported in the southern part of that county, and it is quite likely connected with damage about a dozen miles to southwestward in Ingham County. There were no deaths in either of these counties. Approximately 25 miles farther to southeastward, at time not stated, a short track is reported from parts of Genesee and Oakland Counties, with 4 deaths at Fenton. Also a press dispatch indicates a tornado this afternoon in Mecosta County, probably a short one, though some damage was done to buildings. This was between the Oceana-Wexford and the long St. Joseph-Saginaw paths, somewhat nearer to the former. In all there was property damage from tornadoes in Michigan that day of about $2,000,000.

On June 10, from 1:30 to 2 p. m., a tornado moved from Winona Mine to Portage Entry, about 24 miles, in an east-northeast direction, all in Houghton County, unless perhaps in the

latter part of the track it cut through a corner of Baraga. These counties are in the northwestern part of the upper peninsula. Considerable fine timber was injured, but no lives were lost.

Minnesota.—On May 22, early in the afternoon, a tornado occurred in southeastern Minnesota, moving north-northeastward through Steele, Rice, Dakota, and Goodhue Counties, about 30 miles in all. There was considerable damage, but no lives were lost. In Iowa two short tornadoes occurred later that day.

On June 8, at hours not reported, tornado damage occurred at Campbell, Wilkin County, almost on the North Dakota line, and at Brainerd, Crow Wing County, 110 miles to eastward, and almost at the center of the State. At Campbell two persons were killed. The direction taken by the tornadoes is not stated, and no reports of damage have come from points between, so these may be reckoned different tornadoes. About 95 miles west-northwest of Campbell, at Valley City, N. Dak., there was a tornado about 4:30 p. m. that day, headed about toward Campbell, and the damage in one county between is suggestive of a tornado, so it is thought the Campbell and Valley City reports relate to one tornado. Other reports indicate much damage 12 miles north of Campbell, in the same county, that day; this could not well have been the work of the storm that struck Campbell, and it is preferred, in the absence of more definite information, not to count it as a tornado track. In Iowa the following night there were two tornadoes.

Mississippi.—On March 12 five deaths and much damage occurred in Washington County on the western side of the State, near Percy and Hollandale. It is probable there was a tornado with path only a few miles long, moving northeastward or north-northeastward.

On April 20 the eastern counties were visited by four of the most severe tornadoes in the history of the State. These moved northeastward in substantially parallel paths. The most northern apparently started near Ingomar, Union County, soon after 7 a. m., and moved northeastward across the northern border of the State far into Tennessee. In Mississippi 24 deaths resulted from this storm. The next to southeast was first noted in Oktibbeha County, near Bradley, about 8 a. m., and passed from that county into Clay, and then traversed Monroe County diagonally, from the southwest corner to the northeast, and then continued into Alabama. In Monroe County 27 were killed, and about 16 in the counties traversed earlier. By measuring on a line perpendicular to their paths this tornado is indicated as 55 miles from the most northern, and seems to have been 95 minutes later at points abreast. About 40 miles to southeastward and about 75 minutes later at points abreast was the third tornado, starting in southwestern Neshoba County about 8:30, and near the center of that county, killing no fewer than 19 in a single lumber camp. There were three killed elsewhere in that county and five in counties reached later on the northeastward course, till in Lowndes County the track ends, yet this storm must probably be reckoned the same as the tornado that occurred along the continuation of the track in Alabama soon afterwards, doing damage in several counties, beginning with Fayette. The most southern tornado of the day was confined to Mississippi. It occurred about 45 miles farther southeastward than the one just discussed, and the time at places abreast was about 115 minutes later. The storm originated near Bay Springs, Jasper County, about 9:55 a. m., did great damage there and at Rose Hill, in the same county, then in Lauderdale County went through the southern outskirts of the city of Meridian, and ended about 6 miles farther on, near Russell, having covered about 50 miles in all in about 60 minutes. In Jasper County 21 were killed, and in Lauderdale 15. The tornado damage in the State that day is thought to have exceeded $1,500,000.

Missouri.—On March 11 there were two tornadoes, the earlier of which, occurring chiefly in Taney County, apparently originated a short distance south of the State line, in Carroll County, Ark. In all this storm moved about 34 miles northeastward, with narrow track; but 10 persons were killed, all at Melva, and the damage was about $200,000. This happened about noon, but the other tornado, slightly more than 100 miles to northwestward, occurred about 1:10 p. m.; though the path was narrow and very short, it unfortunately went through the town

of Nevada, Vernon County, and three deaths resulted, with property loss of about $100,000. On March 28, when severe tornadoes visited so many States east of the Mississippi River about or after noon, there occurred several hours earlier, about 2:30 a. m., a short tornado at Vanzant, northern part of Douglas County, in southern Missouri, not far northeast of the end of the Taney County storm of March 11. The loss was about $3,000. Among press lists of the tornado deaths that day, one is placed in St. Louis; it is practically sure that there was no tornado anywhere near that city, but the high winds that day did much damage there.

On April 19, however, a tornado occurred not many miles from St. Louis, in Franklin and St. Charles Counties. The first noting of this storm was about 18 hours after the time of a tornado in western Arkansas, and the last indication was about 12 hours before the start of the first of the severe Mississippi tornadoes. The Missouri storm was near Union, Franklin County, about 5:30 p. m.; then not quite 40 miles to northeastward, the direction in which it was traveling when seen near Union, this storm, or possibly another one, appeared at St. Charles about 7:30 p. m. The damage at the two places was about $13,000.

On July 7, about 10:30 p. m., a severe local storm occurred near Withers Mills, Marion County, about 8 miles west of Hannibal. The indications are that this was not a tornado, and the damage is counted in the table on page 40.

Montana.—No tornadoes reported.

Nebraska.—On May 11, according to reports, several small tornadoes formed near Oshkosh, Garden County, in the western part of the State. No damage was mentioned, and they were apparently of little importance. (Single arrow on chart.)

On July 1, about 4:30 p. m., a small tornado formed near Blair, Washington County, close to the Missouri River. It moved southeastward about 4 miles, nearly following the course of the river, and crossing into Iowa. The damage was slight. About 70 miles to southeastward, in Adams County, Iowa, there was a more destructive tornado less than two hours later. Press dispatches indicate that a tornado occurred at Neligh, Antelope County, in the northeastern part of Nebraska, on July 16.

Nevada.—No tornadoes reported.

New England.—No sure tornado reported. On August 31 wind and hail damage occurred in many portions of the southern New England States, and a narrow track of marked wind damage was left in eastern Massachusetts, in Randolph, Quincy, Braintree, Weymouth, and Hingham. As no evidence of whirling winds was secured the wind damage is included in the table on page 40.

New Jersey.—During the evening of July 18 a violent storm with some characteristics of tornado action passed through the southeastern portion of Phillipsburg, in northwestern New Jersey, on the Delaware River.

New Mexico.—On May 1 an exceptionally violent, dry whirlwind did considerable damage in the northeastern outskirts of Roswell, but this is not considered a tornado, and the damage is counted in table on page 40.

On August 27, during the afternoon, a small tornado developed northeast of Springer, Colfax County, in the northeastern part of the State. It traveled eastward at least 7 miles and did considerable damage, such as wrecking buildings and uprooting trees.

New York.—Press reports characterized as a tornado a destructive local storm that swept over the lower end of Staten Island on June 16, but it is believed that it should not have been so styled.

On July 23, about 11 p. m., there was great wind damage in south-central Allegany County, in southwestern New York, and it seems probable the storm was a true tornado. No details as to length or width of path were secured. Two men were killed, and at least 200 houses and barns were either unroofed or demolished, the total damage being about $200,000.

On September 11 a violent local storm did much harm on both sides of the river near Niagara Falls, taking a southeastward course. The press designation of "tornado," however, is thought incorrect.

North Carolina.—There were two tornadoes during 1920, the places of occurrence being but a few miles apart, in the south-central part of the State, near Charlotte. The storm of April 12 formed in the northwestern part of Union County, about 9 p. m., and in about 45 minutes traveled 32 miles northeastward, crossing the extreme northwestern part of Anson County and ending in Stanly County. The width of path averaged 150 yards. There were three killed and the property loss is estimated as $250,000. Much less serious was the small tornado about 2 p. m., June 20, in the southwest part of Union County. This moved 8 miles northeastward and did damage estimated at $30,000.

North Dakota.—On June 8 it is reported that a tornado cloud was observed near Gardner, Cass County, during a period of violent winds. Nothing further was learned about the cloud, and one death that occurred in that vicinity has not been connected with the cloud, so is laid to a wind not a tornado. About 50 miles to west-southwest, near Valley City, Barnes County, there was a tornado that day at 4:30 p. m. This moved toward the east-southeast, and did damage estimated at about $40,000. About 95 miles southeastward of Valley City is Campbell, Minn., which was struck by a tornado that day, and it is rather likely that this was the storm which passed near Valley City, moving about in the direction of Campbell.

During July it is reported that two tornadoes passed near Golden Valley, Mercer County, in the west-central part of the State. The earlier was at 4 p. m. of the 3d, the later at an unnamed hour in the afternoon of the 27th. The former moved southeastward and left a track a quarter mile wide, with damage estimated at $8,000. The latter moved eastward, but other details were not secured.

On July 30, at 6:30 p. m., a tornado occurred in northern Sheridan County, in the central part of the State, moving southeastward with wide path. One person was killed, and damage of $5,000 was reported.

Ohio.—The reports about tornado damage in western Ohio on March 28 indicate that the northernmost of the three tornadoes that entered the State from Indiana covered about 65 miles in Ohio, causing notable damage at Renollet, Paulding County, and north of Napoleon, in Henry County, and finally at Raab, in western Lucas County. The deaths attributed to this storm number 10. The middle storm presumably caused the damage at Van Wert, in the county of the same name; then, beyond a 50-mile interval from which no reports of devastation have been secured, at Bowling Green, Wood County, and at Genoa, Ottawa County, the latter only 10 miles from Lake Erie. This would mean a course in all of about 90 miles in Ohio. Reports mention three deaths at Van Wert and two at Genoa. The southern storm seems to have run the shortest course in Ohio, about 60 miles, but to have taken most lives, 16. This tornado struck Greenville, Darke County, near New Bremen and at Moulton, Auglaize County, and finally a few miles south of Lima, Allen County. The property loss in Ohio that day from the tornadoes was probably about $1,500,000.

There was rather probably a tornado near Bangorville, in southwestern Richland County, on June 12, with considerable damage to timber. Bangorville was visited on August 30 by a vigorous tornado of narrow path, when buildings were damaged and two men seriously hurt, the property injury being estimated at $5,000.

On September 11, about 5 p. m., northern Fayette County, which lies somewhat to southwest of the center of the State, was apparently visited by one or two tornadoes, which did considerable damage. In the eastern part of the State, about 100 miles east-northeast of Fayette County, the same day, at about 6 p. m., a tornado passed about 2 miles north of Summerfield, leaving a path about 8 miles long, in which damage of approximately $7,000 was done to buildings.

Oklahoma.—In Ottawa, the most northeastern county of Oklahoma, what was probably a short tornado of very narrow path was observed about 5:30 p. m., April 11, moving northeastward, at Hockerville. The damage was about $35,000. Six days later, on the 17th, about 10:30 p. m., there was a tornado somewhat east of the center of the State, in Creek County, between Slick and Tabor, likewise moving northeastward. The path this time was reported as unusually wide, about a mile, but property loss was estimated at only $100,000.

On the evening of May 2 there seem to have been three distinct tornadoes in northeastern Oklahoma, at intervals of about an hour. The country north of Chelsea, in northeastern Rogers County, was visited between 6 and 6:30 p. m., the path being 100 to 200 yards wide and fully 2 miles long, four being killed and damage being $25,000. The next was in western Mayes County, over 20 miles to south-southeast, and was felt about 4 miles north of Choteau, and at Pryor; though the path this time was wider and damage reached $50,000, yet there were no fatalities. Nearly 20 miles farther to southeast the third storm struck Peggs, a rather isolated community in the northwestern part of Cherokee County, about 8:35 p. m. Of about 200 people in the town, no less than 60 were killed or soon died from injuries, this being by far the greatest loss of life reported this year in a single tornado that occurred west of the Mississippi River. The path was again rather wide, half a mile or more, and property loss was estimated at $175,000.

Oregon.—On the afternoon of the 14th or 15th of April (two accounts secured shortly after differ as to the day), a storm did about $400 damage on a very narrow track near Boyds, in northern Oregon, on the Wasco County side of Deschutes River. It uprooted 8-inch trees and carried 150-pound railroad ties a hundred yards; yet is considered a vigorous whirlwind rather than a true tornado.

Pennsylvania.—No real tornado indicated by the reports. At some places, on different dates, there were suggestions of tornado action, notably at Williamsport, June 11, and at Carlisle, July 14.

South Carolina.—During April there were 6 tornadoes, but no fatalities resulted. On the 2d, about 6 to 7 a. m., a tornado moved northeastward about 25 miles in Chester and the western edge of Lancaster Counties, with narrow path. On the 12th, about 4 p. m., in the westernmost county of the State, Oconee, a tornado moved about 6 miles eastward, with rather wide path, 500 yards. On the same day, at an unreported hour, a tornado covered a short path northeastward in Saluda County; the locality lies about 80 miles east-southeastward of the scene of the Oconee County storm, while the storm about 9 p. m. in southern North Carolina started about 135 miles east of the Oconee County storm and about 90 miles northeast of the Saluda County storm. On the 21st, about 3 a. m., which was about 13 hours after the extremely severe tornadoes in Alabama and Mississippi had ended, one of the western counties of South Carolina, Anderson, had a tornado moving northeastward, with short path, yet doing $57,000 of damage. Not 24 hours later, very early on the 22d, northern Spartanburg County had a tornado of short path, moving eastward. On the 26th, about 8 p. m., a region a little south of the center of the State, in northwestern Orangeburg County, was visited by the last tornado of April, which moved but a short distance northeastward. The total tornado damage in the State that month is put at $160,000.

At 4:30 p. m., June 14, a small tornado followed a short southeastward path in the eastern outskirts of Greenville, doing damage of about $6,000.

At 4 p. m., December 22, a short tornado with narrow path moved northeastward in Barnwell County, one of the counties lying on the southwestern border. The property loss was about $5,000.

South Dakota. What seems to have been a small tornado occurred about 5 miles west of Rapid City, at 1 p. m., June 29. It is reported to have moved first northwestward, then made an oval loop, swinging counterclockwise, and then traveled off to north-northeastward, with path in all two miles long. The loop is indicated as over a quarter-mile in its short diameter, and over a half-mile in the long diameter. The damage was trifling, practically all of it to trees.

On September 27 there was damage to trees, buildings, stacks, and farm machinery near Centerville, Turner County, in the southeastern part of the State. The details lead to the belief there was a small tornado, but information as to path and total damage was not obtained.

Tennessee.—The northernmost of the four severe tornadoes that started in eastern Mississippi on the morning of April 20 is connected with the two separate stretches of damage that morning in Tennessee. From near the State line there is an interval of about 20 miles, without

report of damage; then in Wayne County, at and soon after 9 a. m. the storm left a path of damage as it moved northeastward. After a larger gap, about 40 miles, without report of tornado effects, the storm appeared about 10:30 a. m. somewhat northwest of the center of Maury County, and thence moved northeastward across the northern part of that county and well into Williamson. The end of the track is southwest of Franklin. In all the tornado had moved 160 miles, in about 210 minutes. The $25,000 damage and one death in Tennessee seem small beside the tragic results of this and the other tornadoes that morning in the Mississippi and Alabama counties.

On June 21 what was probably a small tornado passed to northward of Decatur, Meigs County, somewhat damaging timber and buildings. This was about 6 p. m.

During the second half of the year two severe storms, each probably a tornado, occurred in Obion County, in the extreme northwestern part of the State. On July 16, about 3:30 p. m., the earlier storm passed 4 miles northwest of Union City, and moved about a mile northeastward; then it lifted, to appear again, according to reports, near Fulton, Ky. The damage was slight. The September 10 storm, about 5 p. m., passed several miles south of Union City, moving northeastward. The length of path is not stated. Damage of about $8,000 was done, and one man was killed.

Texas.—All the reported tornadoes in Texas during 1920 occurred in the northeastern portion. On March 3 one occurred near Winfield, Franklin County, doing a moderate amount of harm. On April 11 another visited Melrose, about 10 miles east of Nacogdoches, about 8:30 p. m.; this was a small tornado, and moved northeastward, resulting in one death and about $4,000 property loss. This storm was about three hours after the tornado at Hockerville, in northeastern Oklahoma, approximately 360 miles to northward. On May 11, about 2:30 p. m., there was a tornado about 6 miles northwest of Paris, Lamar County, which is one of the counties bordering on Oklahoma. This moved to the northeast and killed one person, but the damage to property was small.

In the autumn press reports indicate there was probably a small tornado in Smith and Wood Counties on October 14. Near Tyler, in the former county, four persons were killed. At Winnsboro, on the northern edge of Wood County and about 40 miles north of Tyler, there was $75,000 property damage. In the absence of definite statements as to times it seems more natural to judge the storm went from Tyler to Winnsboro.

Utah.—No tornadoes reported.

Virginia.—No tornadoes reported.

Washington.—No tornadoes reported.

West Virginia.—No tornadoes reported.

Wisconsin.—On March 28, about 12:30 p. m., a small tornado moved northward throughout the eastern part of Walworth County, Wis. One woman was killed, and there was property damage of about $25,000. Neither north nor south of this county was the storm reported within the State. Popular opinion connected it with the Elgin, Ill., tornado; but the latter was still active in Illinois exactly when the Wisconsin tornado was in Walworth County, and the direction taken by the Elgin storm would have carried it far to eastward. It does seem probable that the much less famous storm at Sycamore, Ill., was an early appearance of the Wisconsin tornado.

The violent storm of October 20, in Dunn County, west-central Wisconsin, was probably not a tornado.

Wyoming.—About 4 p. m., June 24, a violent local storm, apparently a tornado, occurred in the extreme southeastern portion, passing eastward near Hillsdale. The path was narrow, but was about 15 miles long, and the damage was estimated at $9,500.

HAIL, 1920.

Charts 6 and 7 show the occurrence of hail during the warm season (April to September) of 1920, as indicated chiefly by the records of the regular and cooperative stations of the bureau. In preparing these charts effort has been made to show two degrees of intensity—moderately heavy hail, resulting in only slight damage, and heavy or destructive hail. Hail too light to cause damage fell at thousands of stations, and it is considered needless to chart such falls. Hailstorms are often extremely local in character, and in their occurrence from year to year show much irregularity; so the distribution indicated on the accompanying charts should not be construed as the usual condition.

In certain cases severe falls of hail are found to have occurred over paths of sufficient length to call for the use of lines, rather than dots, on Chart 7. The hailstorms of April 18 in east-central Oklahoma and of May 11 in the southeastern part of the same State are thus represented. In northeastern Ohio a very severe storm on July 8, closely following the shore of Lake Erie, is similarly indicated. On the same day there was great hail damage near Cincinnati, but in an area apparently so limited that a dot has been used. Likewise dots were used for the very severe hailstorms of May 12, in southwestern Missouri, and of August 31, in and near Granby, Suffield, and Windsor, in northern Connecticut. The monetary loss from the former was estimated at $500,000, and from the latter at $2,000,000, the Connecticut area having great value per acre in the tobacco and other crops. A line is used in southeastern Michigan for the hailstorm of August 6. It is likely that in other cases, if reports could have been secured from different points, the information would have shown clearly that a series of the charted dots ought to be replaced by a line.

LOSSES FROM WINDSTORMS, 1920.

Statistics have again been collected, chiefly through the field-service officials of the bureau, as to damage to property and loss of life resulting from windstorms, other than tornadoes, and the results appear in the table that follows. The amounts of damage are estimates only, and even rough estimates are frequently not available, so symbols are entered instead, but in most such instances the losses were comparatively small. Deaths and fire losses from lightning are not included, even though high winds occurred at the time; and when wind and rain, or wind and hail caused damage together an effort is made to estimate the share due to wind.

There seems to have been little loss from wind during January, 1920, and most of the damage of February was in the Atlantic Coast States, in connection with the slow-moving storm early in the month, when Atlantic City and vicinity experienced great loss. During March there were three times when widespread winds of great force were felt, the first about the middle of the month, the others on the 25th and the 28–29th. Missouri reports great damage on the latter two occasions, and in Georgia on the 28th there was immense loss quite outside the tornado track in the west-central portion. During April and May most States experienced but little wind damage, if any, though the wind accompanying a thunderstorm on May 16 caused about $200,000 damage in the Jefferson County oil fields of Texas. With June and July came, as usual at the season, a great number of local windstorms, often with thunder, heavy rain, and hail; and the storms in Wisconsin, June 1, and in Maryland, June 17, caused unusually heavy property loss. August saw rather less harm from wind than would be expected in a summer month, while in September the losses in connection with the two hurricanes of tropical origin were the most notable items, Louisiana being most affected. These hurricanes by the time they reached the coasts of this country were fortunately far less intense than the hurricane of September, 1919, and chiefly for this reason the year's aggregate losses of property and especially of life from windstorms not tornadoes seem small beside those during 1919. During the final three months instances of wind damage were rather few, and the chief losses were by wrecks on the North Pacific coast in mid-November.

Losses from windstorms, other than tornadoes, by months and sections, 1920.

[Figures, except in right-hand column, indicate dollars.]

Sections.	Jan.	Feb.	Mar.	Apr.	May.	June.	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.	Number of lives lost.
Alabama			(1)	(1)	1,000	400	300	50	4,400		(1)		[2] 6,150	1
Arizona														
Arkansas			(1)										(1)	
California									1,000	[2] 5,000	(1)	(1)	[2] 6,000	
Colorado			[2] 18,600		(1)	(1)	(1)		(1)				[2] 18,600	1
Florida		(1)				1,000			(1)				[2] 1,000	3
Georgia		[2] 30,000	610,000	(1)								10,000	[2] 650,000	2
Idaho								(1)					(1)	
Illinois			[2] 2,000	(1)		(1)	[2] 20,000	(1)	[2] 2,000			[2] 1,000	[2] 25,000	1
Indiana			(1)			(1)	(1)		(1)			(1)	(1)	2
Iowa			[2] 100,000		(1)	[2] 106,000	(1)	(1)	(1)			350	[2] 206,350	
Kansas			(1)		[2] 25,000	(1)	(1)	[2] 4,000					[2] 29,000	
Kentucky			[2] 150,000	[2] 100,000	(1)		(1)		(1)				[2] 250,000	
Louisiana			(1)	(1)					1,450,000				[2] 1,450,000	1
Maryland and Delaware		(1)	(1)			[2] 250,000	(1)						[2] 250,000	1
Michigan			(1)	(1)		(1)			(1)			(1)	(1)	2
Minnesota			(1)			(1)	(1)		(1)				(1)	
Mississippi			(1)						[2] 54,000				[2] 54,000	
Missouri			250,000	(1)	(1)	(1)	[2] 6,000	(1)	(1)				[2] 256,000	2
Montana			(1)			25,000	(1)	(1)					[2] 25,000	
Nebraska			(1)			(1)							(1)	
Nevada										(1)	(1)		(1)	
New England		(1)				(1)	(1)	(1)	(1)	(1)		(1)	(1)	3
New Jersey		[2] 200,000				(1)	(1)	(1)	(1)				[2] 200,000	
New Mexico				(1)	(1)		(1)						(1)	
New York		(1)				[2] 50,000	(1)	(1)	(1)			(1)	[2] 50,000	
North Carolina								(1)	(1)				(1)	
North Dakota			[2] 2,000		(1)	[2] 500	[2] 15,000			1,000			[2] 18,500	1
Ohio			(1)			(1)	(1)		(1)				(1)	
Oklahoma			[2] 10,000		[2] 10,000			8,000					[2] 28,000	
Oregon			(1)	(1)	(1)		(1)	(1)	(1)	(1)	250,000		[2] 250,000	
Pennsylvania			(1)			(1)	(1)	(1)			(1)		(1)	1
South Carolina			(1)				(1)						(1)	
South Dakota			1,000		3,000	2,000							6,000	
Tennessee					(1)	(1)		(1)	(1)				(1)	
Texas			(1)	(1)	235,000	(1)		(1)		(1)	100,000	(1)	[2] 335,000	2
Utah	(1)		(1)	(1)		(1)		(1)					(1)	
Virginia	(1)	(1)					[2] 5,000				(1)	(1)	[2] 5,000	
Washington								(1)			[2] 200,000	(1)	200,000	19
West Virginia				(1)									(1)	
Wisconsin			[2] 155,000			[2] 222,300	[2] 5,000		20,000	[2] 13,500			[2] 415,800	
Wyoming	(1)		(1)			(1)							(1)	

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

DEPARTURE FROM NORMAL TEMPERATURE, IN DEGREES FAHRENHEIT, FOR THE CROP SEASON OF 1920, MARCH 1 TO SEPTEMBER 30.

Shaded portions show excess (+) and unshaded portions deficiency (—) of temperature.
Figures show mean daily excess (+) or deficiency (—) of temperature over areas bounded by light lines.

TOTAL PRECIPITATION, INCHES, FOR THE CROP SEASON OF 1920, MARCH 1 TO SEPTEMBER 30.

DEPARTURE FROM NORMAL PRECIPITATION FOR THE CROP SEASON OF 1920. MARCH 1 TO SEPTEMBER 30.

Shaded portions show excess (+) and unshaded portions deficiency (−) in rainfall.
Figures show, in inches, amount of excess or deficiency of rainfall over areas bounded by light lines.

TOTAL PRECIPITATION, INCHES, FOR THE YEAR 1920.

OCCURRENCE OF TORNADOES DURING THE YEAR 1920.

The arrows show the location of tornado paths, and point in the direction of storm motion.

OCCURRENCE OF MODERATELY HEAVY HAIL, DOING SLIGHT DAMAGE ONLY, FOR THE WARM SEASON OF 1920, APRIL 1 TO SEPTEMBER 30.

The dots show the localities where moderately heavy hail fell, as reported by observers of the Weather Bureau and others.

OCCURRENCE OF HEAVY HAIL, DOING MATERIAL DAMAGE TO CROPS AND OTHER PROPERTY, FOR THE WARM SEASON OF 1920, APRIL 1 TO SEPTEMBER 30

The dots and lines show the localities where heavy hail fell, as reported by observers of the Weather Bureau and others.

Annual summary, climatological data, Canadian stations, 1920.

[Data furnished by the Canadian Meteorological Service.]

Stations.	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	40.7	+0.2	47.6	33.8	90	−11	50.95	− 3.68	79.0
Sydney, Cape Breton Island	29.91	29.96	+ .02	42.8	+1.5	51.4	34.2	90	−14	41.25	− 9.03	91.5
Halifax, Nova Scotia	29.85	29.96	− .01	43.5	+0.7	52.1	34.8	90	−17	50.95	− 6.08	65.4
Yarmouth, Nova Scotia	29.88	29.95	− .03	43.4	+0.2	50.3	36.4	77	− 4	45.35	− 4.98	71.2
Charlottetown, Prince Edward Island	29.89	29.92	− .02	42.3	+1.3	49.3	35.3	88	−17	38.76	− 2.86	80.4
Chatham, New Brunswick	29.92	29.95	+ .01	40.7	+2.0	50.2	31.1	94	−27	51.62	+10.33	128.8
Father Point, Quebec	29.91	29.94	+ .01	35.5	+0.7	43.0	28.0	81	−24	28.59	− 4.40	129.0
Quebec, Quebec	29.64	29.97	− .01	39.9	+1.7	47.9	31.9	86	−28	47.34	+ 4.62	124.3
Montreal, Quebec	29.76	29.98	− .01	43.1	+1.6	50.5	35.7	90	−23	41.01	+ 0.02	126.1
Stonecliffe, Ontario	29.36	29.98	− .01	.....	.....	51.2	.....	92	.....	23.63	− 6.83	61.8
Ottawa, Ontario	29.73	30.00	.00	42.5	+1.9	52.3	32.8	93	−29	37.13	+ 4.53	91.6
Kingston, Ontario	29.68	30.00	− .01	43.9	+0.8	51.6	36.2	83	−22	27.49	− 5.32	63.1
Toronto, Ontario	29.60	30.01	− .01	45.8	+1.6	54.6	37.1	93	−18	29.89	− 2.83	74.4
Cochrane, Ontario	.....	.....	.....	35.1	.....	45.0	25.2	89	−37	19.36	.....	56.6
White River, Ontario	28.62	29.96	− .02	33.0	+0.9	46.3	19.7	85	−48	22.31	− 2.48	63.0
Port Stanley, Ontario	29.38	30.03	.00	44.6	−0.1	53.0	36.2	84	−16	41.56	+ 7.14	106.7
Southampton, Ontario	29.27	.....	.....	42.0	−0.4	50.2	33.8	85	−19	33.53	− 0.68	105.3
Parry Sound, Ontario	29.32	30.01	+ .01	41.6	+1.4	51.6	31.6	87	−28	31.05	− 7.22	99.8
Port Arthur, Ontario	29.28	30.00	.00	37.9	+3.5	47.2	28.8	86	−27	22.70	− 2.06	30.6
Winnipeg, Manitoba	29.16	30.01	+ .01	37.4	+4.3	48.1	26.7	95	−37	17.35	− 3.63	57.8
Minnedosa, Manitoba	28.14	30.00	.00	34.9	+3.3	46.3	23.6	97	−44	17.61	+ 1.16	36.3
Qu'Appelle, Saskatchewan	27.68	29.96	− .02	36.4	+3.1	47.3	25.4	98	−41	19.72	+ 3.64	56.0
Moose Jaw, Saskatchewan	.....	.....	.....	39.4	.....	51.3	27.5	100	−38	17.65	.....	49.1
Swift Current, Saskatchewan	27.33	29.98	+ .01	39.9	+2.4	51.5	28.4	102	−38	11.56	− 3.91	19.2
Medicine Hat, Alberta	27.61	29.90	− .06	43.2	+2.9	55.2	31.3	98	−40	10.74	− 3.06	37.9
Calgary, Alberta	26.37	29.97	+ .04	39.0	+1.8	52.2	25.8	92	−34	14.42	− 0.45	61.2
Banff, Alberta	25.33	29.98	+ .05	35.7	+1.0	47.5	23.9	89	−46	15.96	− 5.95	94.6
Prince Albert, Saskatchewan	28.38	29.98	.00	35.5	+5.0	47.0	24.0	95	−44	16.47	+ 1.56	45.9
Battleford, Saskatchewan	28.19	29.96	− .01	36.0	+3.3	46.7	25.4	94	−43	19.64	+ 5.71	33.1
Edmonton, Alberta	27.62	29.94	+ .01	35.9	+0.3	47.1	24.7	92	−46	18.16	+ 2.33	49.4
Kamloops, British Columbia	28.74	30.04	+ .11	47.3	+0.2	57.4	37.2	97	− 9	7.31	− 4.32	16.9
Victoria, British Columbia	29.77	30.02	+ .02	49.0	+0.4	54.9	43.2	91	25	30.30	− 7.84	1.1
Barkerville, British Columbia	25.59	29.94	+ .04	34.1	−2.1	43.2	25.1	82	−26	47.44	+13.88	266.1
Triangle Island, British Columbia	.....	.....	.....	44.6	.....	49.0	40.2	69	20	72.42	.....	7.8
Prince Rupert, British Columbia	.....	.....	.....	44.1	.....	49.2	39.0	74	7	84.50	.....	44.7
Atlin, British Columbia	.....	.....	.....	30.2	.....	38.8	21.7	80	−45	9.30	.....	.....
Dawson, Yukon	.....	.....	.....	21.6	.....	32.7	10.4	92	−58	10.49	.....	57.3
Prospect Point, Bermuda	29.97	30.13	+ .04	70.1	+0.4	75.6	64.7	89	50	52.52	− 9.39	0.0

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 elevations."

Changes in the elevations of other instruments during 1920 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, 1920);
T = continuous records of temperature (on December 31, 1920);
W = continuous records of wind (direction and velocity) (on December 31, 1920);
V = continuous records of wind (velocity only) (on December 31, 1920);
R = continuous records of rainfall (on December 31, 1920);
S = continuous records of sunshine (on December 31, 1920).

Summary of stations in operation during the year.

Taking two observations daily (all elements)	176
Taking one observation daily (all elements)	25
Taking two observations daily (temperature, rain, wind, and weather)	39
Taking one observations daily (temperature, rain, wind, and weather)	33
Taking one observation daily (special meteorological and cotton)	2
Taking one observation daily (special meteorological and river)	3
Taking one observation daily (special meteorological and storm warning)	4
Taking one observation daily (cotton, sugar, and rice)	106
Taking one observation daily (cotton and river)	28
Taking one observation daily (cotton and rainfall)	36
Taking one observation daily (river stations)	481
Taking one observation daily (rainfall stations)	273
Taking one observation daily (sugar and rice and river)	3
Taking one observation daily (corn and wheat)	135
Taking one observation daily (corn and wheat and river)	18
Taking one observation daily (corn and wheat and rainfall)	35
Taking one observation daily (cranberry)	10
Taking one observation daily (special fruit)	25
Taking one observation daily (special fruit and river)	1
Taking one observation daily (special fruit and rainfall)	1
Taking one observation daily (weekly cattle)	48
Taking one observation daily (tobacco)	11
Taking one observation daily (alfalfa)	1
Taking one observation daily (alfalfa and cattle)	1
Snowfall	123
Snowfall and evaporation	3
Vessel	143
Total paid stations	1,764
Cooperative stations (about)	[1] 4,500
Grand total	6,264

[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, 1920.				Observations began.	Dates of changes in elevation during 1920.
							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	06	75	55		04 S.	871	10	3	84	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	
Broken Arrow, **P T W R S**	36	02	95	49	1	23 S.	765	11	4	52	May 12, 1918	
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	8	3	54	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.	779	55	47	62	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	165	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	179	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.	1,392	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	64	79	May 24, 1871	
Dayton, **P T W R S**	39	46	84	10		37 S.	899	181	176	216	July 10, 1911	
Del 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.	1,478	11	4	44	Dec. 1, 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.	1,947	59	52	67	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	10	3	59	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	

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, 1920. Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.	Observations began.	Dates of changes in elevation during 1920.
	°	′	°	′	h.	m.	Feet.	Feet.	Feet.	Feet.		
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	89	May 24, 1871	
Grand Junction, P T W R S	39	04	108	34	2	14 S.	4,602	60	52	68	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	
Groesbeck, P T W R S	31	30	96	28	1	26 S.	461	11	3	56	July 2, 1918	
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	90	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.	,505	11	4	44	May 16, 1892	
Helena, P T W R S	46	34	112	04	2	28 S.	4,110	87	80	112	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	99	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.	3,957	9	4	41	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	Oct. 1, 1899	
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	48	40	56	May 3, 1899	
Kansas City, P T W R S	39	05	94	37	1	18 S.	963	161	141	181	Apr. 21, 1873	
Keokuk, P 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	102	96	111	Jan. 20, 1871	
La Crosse, P T W R S	43	49	91	15	1	05 S.	714	11	3	48	Oct. 15, 1872	
Lander, P T W R S	42	50	108	45	2	15 S.	5,372	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	139 136	132 129	147 144	Aug. 21, 1873	July 1, 1920
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	42	Nov. 10, 1904	
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 50	3 43	57 58	Jan. 31, 1881	Oct. 1, 1920
Mount Tamalpais, P T W R S	37	56	122	35	3	10 S.	2,375	11	5	31	Sept. 2, 1898	
Nantucket, P T W R S	41	17	70	06		20 F.	12	14	4	90	Oct. 18, 1886	
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	74	66	153	Dec. 10, 1872	
New Orleans, P T W R S	29	58	90	04	1	00 S.	53	76	71	84	Nov. 1, 1870	
New York, P T W R S	40	43	74	00		04 F.	314	414	407	454	.....do.....	
Norfolk, P T W R S	36	51	76	17		05 S.	91	170	178	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	

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, 1920. Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.	Observations began.	Dates of changes in elevation during 1920.
	°	′	°	′	h.	m.	Feet.	Feet.	Feet.	Feet.		
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	do	
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	68	82	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, PWRS	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.	29	8	3	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	
Royal Center, P T W R S	40	53	86	29		46 S.	736	11	3	55	May 17, 1918	
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	69	62	77	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	236	228	261	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	55	Nov. 1, 1914	
San Francisco, P T W R S	37	48	122	26	3	10 S.	155	208	202	243	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	52	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	

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, 1920. Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.	Observations began.	Dates of changes in elevation during 1920.
	°	′	°	′	h.	m.	Feet.	Feet.	Feet.	Feet.		
Topeka, **P T W R S**	39	03	95	41	1	23 S.	987	92	83	107	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	73	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	
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.	1,878	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.	2,304	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	17	24	83	17		33 S.	35	5	4	58	June 1, 1914	
Cuba.												
Guane	.....		.....		.....		.....	.....	.....	.....	June 15, 1918	
Santa Cruz del Sur	20	48	78	27		14 S.	.....	.....	.....	.....	July 3, 1918	
Dominica.[1]												
Roseau	15	17	61	23		54 F.	25	.....	.....	.....	Oct. 20, 1898	
Isle of Pines.												
Nueva Gerona	21	54	82	36		30 S.	.....	.....	.....	.....	Sept. 27, 1918	
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.	319	6	3	28	Aug. 16, 1917	
Santo Domingo.[1]												
Puerto Plata, V	19	49	70	43		17 F.	27	6	3	30	Sept. 16, 1917	
Santo Domingo	18	28	69	53		20 F.	57	6	3	60	Nov. 1, 1898	
Trinidad.[1]												
Port of Spain	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.	27	17	18	21	July 1, 1917	

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

TABLE II.—*Changes in Weather Bureau Stations during 1920.*

ESTABLISHED.

Stations.	Date established.
AEROLOGICAL.	
Due West, S. C	Oct. 12
CORN AND WHEAT.	
Angola, Ind	July 1
Dunn Center, N. Dak	Apr. 1
CORN AND WHEAT AND RAINFALL.	
Wilmington, Ohio	Do.
CORN AND WHEAT AND RIVER.	
Emporia, Kans	Do.
Oswego, Kans	July 1
COTTON.	
Moscow, Tenn	Apr. 1
FRUIT.	
Santa Ana, Calif	July 1
MOUNTAIN SNOWFALL.	
Chama, N. Mex	Oct. 1
Long Gulch, Idaho	Do.
RAINFALL.	
Bazaar, Kans	Feb. 1
Burlington, Kans	Do.
Canton, Miss	Mar. 1
Chanute, Kans	Feb. 1
Cortland, N. Y	June 1
Council Grove, Kans	Feb. 1
Gary, W. Va	Jan. 16
Hardy, Ark	Dec. 16
Lebo, Kans	Feb. 1
Marion, Kans	Do.
Mendenhall, Miss	Mar. 1
Mount Vernon, Ohio	Nov. 1
Nail, Ark	Dec. 16
Pittsburg, Kans	Feb. 1
Pocahontas, Ark	Dec. 16
Sharples, W. Va	Feb. 1
Subiaco, Ark	Dec. 16
Tylertown, Miss	Mar. 1
Waldron, Ark	Dec. 16
Walnut, Kans	Feb. 1
REGULAR.	
Moorhead, Minn	Oct. 1
RIVER.	
Alum Creek, W. Va	Mar. 1
Cedar Run, Pa	Dec. 1
Keosauqua, Iowa	Jan. 1
Miller, W. Va	Mar. 1
Smithville, Tex	Apr. 12
SPECIAL METEOROLOGICAL.	
Barrow, Alaska	Sept. 1
Bentonville, Ark	Sept. 10
Cadillac, Mich	Feb. 18
Goodland, Kans	Mar. 11
Newman, Calif	Jan. 1
University of Chicago, Chicago, Ill	Mar. 1
STORM WARNING.	
Harbor, Island, Tex	July 1
Newport Beach, Calif	Jan. 1
SUGAR AND RICE.	
Easton, La	Apr. 1
VESSEL.	
Achilles (American)	June 15
Alabama (American)	June 5
Algonquin (American)	June 20
Aryan (American)	June 5
Bayamo (American)	June 25
Brabant (American)	June 5
Calamares (American)	June 18
Columbia (American)	Apr. 1
Do	July 24
Conotton (American)	Aug. 10
Eastern Gale (American)	Apr. 10
Edith (American)	June 30
El Alba (American)	June 1
El Capitan (American)	Do.
El Cid (American)	Do.
El Dia (American)	Do.
El Occidente (American)	Do.
El Oriente (American)	Do.
El Rio (American)	Do.
El Siglo (American)	June 10
El Sud (American)	Do.
El Valle (American)	Sept. 21
Excelsior (American)	June 20
Florida (American)	June 5
General G. W. Goethals (American)	June 1
General W. C. Gorgas (American)	June 4
Georgia (American)	June 5
Guantanamo (American)	June 16
Kashima Maru (Japanese)	Nov. 1
Lake Geneva (American)	July 12
Lake Glebe (American)	June 1
Lightbourne (American)	June 5
Louisiana (American)	Do.
Lurlin (American)	Jan. 1
Matsonia (American)	Dec. 24
Maui (American)	May 20
Momus (American)	June 1
New York (American)	June 5
Pastores (American)	June 1
Pennsylvania (American)	June 5
Roanoke (American)	Do.
Royal Arrow (American)	Mar. 1
Shenandoah (American)	June 5
Solitaire (American)	Do.
Standard (American)	July 16
Texas (American)	June 5
Toloa (British)	June 1
Topila (American)	June 15
Torres (American)	Aug. 7
Ulua (British)	June 1
Virginia (American)	June 5
West Totant (American)	Aug. 25
Wilhelmina (American)	Mar. 10
WEEKLY CATTLE.	
Plainview, Tex	Feb. 24
Williams, Ariz	May 16

TABLE III.—*Changes in Weather Bureau stations during 1920.*

DISCONTINUED.

Stations.	Date discontinued.
AEROLOGICAL.	
Leesburg, Ga	Oct. 11
ALFALFA.	
Mills, Utah	June 30
CORN AND WHEAT.	
Auburn, Ind	Jan. 31
Emporia, Kans	Mar. 31
New England, N. Dak	Do.
COTTON.	
Arlington, Tenn	Mar. 31
Saint George, S. C	Oct. 31
FRUIT.	
Blalock Orchards, Wash	July 31
Geneva, Ohio	Jan. 31
Put in Bay, Ohio	Do.
MOUNTAIN SNOWFALL.	
Ellison, Mont	June 30
Hume, Calif	May 31
Laurel, Wash	Feb. 29
Lily Glen, Oreg	Dec. 15
Lone Pine, Calif	July 31
Maury, Oreg	Nov. 30
Medicine Bow Mountain, Wyo	May 31
Rattlesnake, Idaho	June 30
Valley, Wyo	Aug. 31
Wagon Wheel Gap, Colo	June 30
Wortman, Colo	May 31
RAINFALL.	
Altapass, N. C	Nov. 30
Byrdstown, Tenn	July 31
Cassville, Mo	Dec. 15
Doniphan, Mo	Do.
Fruit City, Mo	Do.
Gambler, Ohio	Sept. 30
Montezuma, Iowa	July 31
Ottawa, Kans	Oct. 31
Rainelle, W. Va	Jan. 31
Smithville, Tex	Apr. 15
Wilmington, Ohio	Mar. 31
REGULAR.	
Bentonville, Ark	Sept. 9
RIVER.	
Brownville, Me	Sept. 30
Cortland, N. Y	May 31
Edisto, S. C	Dec. 31
Emporia, Kans	Mar. 31
Fishs Eddy, N. Y	June 30
Hale Eddy, N. Y	Do.
Little Falls, N. Y	Do.
Mattawamkeag, Me	Sept. 30
Mosgrove, Pa	Oct. 31
Newcastle, Colo	Sept. 30
Olean, N. Y	June 30
Oswego, Kans	Do.
Pompton Plains, N. J	Do.
Sanish, N. Dak	Oct. 15
Sprott, Ala	Feb. 29
Thurman, N. Y	June 30
Waterville, Pa	Nov. 30
Winslow, Me	Sept. 30
SPECIAL METEOROLOGICAL.	
Bagdad, Calif	Nov. 30
Cima, Calif	Do.
Moorhead, Minn	Sept. 30
Wenden, Ariz	Nov. 30
Willemstad, Curacao, W. I	May 31
STORM WARNING.	
Traverse City, Mich	Mar 31
SUGAR AND RICE.	
Opelousas, La	Jan. 15
TOBACCO.	
Stoughton, Wis	July 31
VESSEL.	
Royal Arrow (American)	Oct. 31
Sabine Arrow (American)	May 31
WEEKLY CATTLE.	
Afton, Wyo	Oct. 31
Canadian, Tex	July 1
Carr's Ranch, Ariz	May 15
Fort Morgan, Colo	Feb. 23
Mountainair, N. Mex	July 1
Panguitch, Utah	Aug. 15

SUNSHINE, 1920.

The following tables give for 165 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 preceding volumes of this series.

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

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

Sunshine, 1920.

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.	132	45	131	43	213	57	190	47	285	63	240	52
Alpena, Mich.	119	42	157	52	200	54	223	55	343	74	285	61
Amarillo, Tex.	201	64	202	63	305	82	341	87	314	72	366	84
Anniston, Ala.	114	36	150	47	208	56	218	56	258	60	318	74
Asheville, N. C.	138	45	123	39	213	57	251	64	257	59	293	67
Atlanta, Ga.	113	36	150	47	218	59	207	53	246	57	343	79
Atlantic City, N. J.	119	39	146	47	246	66	227	57	282	64	268	60
Augusta, Ga.	159	50	199	62	269	73	235	60	292	68	356	83
Baker, Oreg.	120	42	193	64	142	38	207	51	313	68	290	62
Baltimore, Md.	133	44	141	45	237	64	213	54	261	59	276	62
Bentonville, Ark.	159	51	148	47	192	52	229	58	173	40	286	66
Binghamton, N. Y.	112	38	139	45	229	62	200	50	269	59	228	50
Birmingham, Ala.	107	34	134	42	198	53	216	55	192	45	325	75
Bismarck, N. Dak.	131	47	179	60	242	65	256	63	246	53	292	61
Block Island, R. I.	109	37	122	39	225	61	187	47	216	48	198	44
Boise, Idaho	158	55	189	62	194	52	238	59	373	81	342	74
Boston, Mass.	147	50	143	46	237	64	183	46	252	56	238	52
Broken Arrow, Okla.	155	50	164	52	230	62	196	50	184	42	306	70
Buffalo, N. Y.	51	17	131	43	217	58	211	52	312	69	392	64
Burlington, Vt.	131	45	104	34	181	49	149	37	275	60	250	54
Canton, N. Y.	121	42	133	44	176	48	120	30	273	59	235	50
Charles City, Iowa	108	37	87	28	197	53	145	36	281	62	296	65
Charleston, S. C.	174	55	165	51	243	65	252	64	290	68	340	79
Charlotte, N. C.	142	45	167	53	227	61	244	62	328	76	314	72
Chattanooga, Tenn.	113	36	124	39	204	55	232	59	211	49	278	64
Cheyenne, Wyo.	195	65	229	74	226	61	177	44	184	41	228	50
Chicago, Ill.	140	48	134	44	233	63	201	50	337	75	342	75
Chicago University, Ill.	150	51	142	46	228	61	211	53	329	73	355	78
Cincinnati, Ohio	116	38	111	35	231	62	166	42	293	66	294	66
Cleveland, Ohio	115	39	80	26	196	53	129	32	334	74	308	68
Columbia, Mo.	169	56	134	43	215	58	172	43	209	47	346	77
Columbus, Ohio	111	37	97	31	187	50	105	26	276	62	272	60
Concordia, Kans.	150	50	186	60	274	74	224	56	246	55	341	76
Dallas, Tex.	133	42	158	49	227	61	281	72	277	64	356	83
Dayton, Ohio	111	37	118	38	220	59	149	37	293	66	294	65
Del Rio, Tex.	130	40	157	48	244	66	313	81	199	47	298	71
Denver, Colo.	178	59	198	64	248	67	215	54	244	55	277	62
Des Moines, Iowa	136	46	132	43	237	64	188	47	283	63	291	64
Detroit, Mich.	134	46	142	46	216	58	151	38	311	69	330	72
Devils Lake, N. Dak.	158	57	228	77	256	69	320	78	330	70	343	72
Dodge City, Kans.	205	67	219	70	312	84	291	73	271	61	331	75
Drexel, Nebr.	151	51	109	35	260	70	190	47	256	57	312	69
Dubuque, Iowa	164	55	132	43	242	65	230	57	321	71	318	70
Eastport, Maine	162	56	133	44	301	54	193	48	299	65	286	61
Elkins, W. Va.	62	20	74	24	220	59	136	34	233	52	204	46
Ellendale, N. Dak.	139	49	152	50	246	67	237	58	252	54	262	56
El Paso, Texas	175	55	197	61	278	75	337	87	354	83	346	81
Erie, Pa.	119	40	133	43	234	63	219	55	362	80	319	70
Escanaba, Mich.	147	52	175	58	214	58	216	53	357	77	305	65
Eureka, Calif.	156	52	166	54	205	55	299	75	304	68	278	62
Evansville, Ind.	127	42	119	38	208	56	193	49	264	60	328	74
Fort Smith, Ark.	143	46	193	61	234	63	244	62	279	64	313	72
Fort Wayne, Ind.	122	41	113	37	210	57	178	44	300	66	317	70
Fresno, Calif.	178	58	226	72	280	75	351	89	424	97	412	94
Galveston, Texas	128	39	186	57	164	44	229	59	286	68	331	79

Sunshine, 1920—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Per cent age of possible.	Hours.	Per cent-age of possible.	Hours.	Per cent-age of possible.	Hours.	Per cent-age of possible.	Hours.	Per cent-age of possible.	Hours.	Per cent-age of possible.	Hours.	Per cent-age of possible.
Albany, N. Y.	262	56	208	48	213	57	200	59	81	28	95	34	2,251	49
Alpena, Mich.	274	58	231	53	192	51	113	33	22	8	49	18	2,206	47
Amarillo, Tex.	361	82	294	71	287	77	292	83	221	71	206	67	3,390	75
Anniston, Ala.	272	62	177	43	240	65	293	83	200	64	141	46	2,589	58
Asheville, N. C.	261	59	136	32	185	50	262	75	152	49	136	45	2,407	53
Atlanta, Ga.	270	62	186	45	232	62	280	80	189	60	141	46	2,575	57
Atlantic City, N. J.	318	70	186	44	250	67	263	76	131	44	122	41	2,559	56
Augusta, Ga.	304	70	267	65	262	71	284	81	208	66	195	63	3,030	68
Baker, Oreg.	380	80	356	82	262	70	152	45	116	41	82	30	2,614	56
Baltimore, Md.	306	68	176	42	256	69	264	76	122	40	117	40	2,505	55
Bentonville, Ark.	284	64	238	57	215	58	209	60	161	52	143	47	2,437	54
Binghamton, N. Y.	187	40	153	36	166	44	186	54	28	9	36	13	1,933	42
Birmingham, Ala.	275	63	193	47	264	71	276	78	179	57	136	44	2,494	55
Bismarck, N. Dak.	346	72	355	81	240	64	223	66	130	46	136	51	2,776	61
Block Island, R. I.	260	57	168	39	206	55	234	68	99	33	117	41	2,140	47
Boise, Idaho	407	87	372	86	236	63	133	39	107	37	66	24	2,814	60
Boston, Mass.	343	74	246	57	226	60	228	67	88	30	152	53	2,484	55
Broken Arrow, Okla.	309	70	237	57	273	73	195	56	158	51	155	51	2,562	57
Buffalo, N. Y.	253	55	238	55	244	65	152	44	36	12	50	18	2,186	46
Burlington, Vt.	204	44	238	55	177	47	136	40	27	9	44	16	1,916	41
Canton, N. Y.	189	40	235	54	221	59	144	42	28	10	48	17	1,922	41
Charles City, Iowa	320	69	276	64	209	56	183	54	77	26	71	25	2,250	48
Charleston, S. C.	318	73	270	65	278	75	301	86	212	68	167	54	3,011	67
Charlotte, N. C.	308	70	215	52	241	65	303	86	194	63	159	52	2,842	63
Chattanooga, Tenn.	234	53	145	35	188	50	278	79	155	50	126	41	2,288	51
Cheyenne, Wyo.	348	76	315	74	269	72	200	58	182	61	171	60	2,724	61
Chicago, Ill.	360	78	310	72	268	71	238	69	134	45	125	44	2,822	61
Chicago University, Ill.	368	80	328	76	296	79	246	72	128	43	111	39	2,890	63
Cincinnati, Ohio	319	71	245	58	252	68	254	74	112	37	106	36	2,499	54
Cleveland, Ohio	320	69	267	62	278	74	243	71	95	32	69	24	2,435	52
Columbia, Mo.	341	75	256	61	239	64	220	64	154	51	127	43	2,583	57
Columbus, Ohio	312	68	199	47	268	72	266	77	116	39	73	25	2,280	50
Concordia, Kans.	405	89	337	79	220	86	263	76	125	42	146	50	3,018	66
Dallas, Tex.	354	81	226	55	277	75	206	59	174	56	214	69	2,883	64
Dayton, Ohio	342	75	248	58	268	72	241	70	107	36	82	28	2,471	53
Del Rio, Tex.	327	77	258	63	297	80	218	61	140	43	206	64	2,786	62
Denver, Colo.	338	74	283	67	279	75	220	64	177	59	137	47	2,796	62
Des Moines, Iowa	343	74	302	71	255	68	237	69	146	50	150	53	2,700	59
Detroit, Mich.	267	58	234	55	258	69	210	61	88	30	55	19	2,396	52
Devils Lake, N. Dak.	420	87	339	77	204	54	220	66	98	35	121	46	3,038	66
Dodge City, Kans.	350	78	289	68	287	77	266	77	194	64	198	67	3,213	72
Drexel, Nebr.	354	77	281	66	266	71	233	68	111	37	134	47	2,657	58
Dubuque, Iowa	329	71	279	65	223	59	203	59	100	34	83	29	2,623	56
Eastport, Maine	281	60	251	58	193	51	217	64	122	43	108	39	2,446	54
Elkins, W. Va.	210	46	123	29	222	59	213	61	110	36	75	26	1,881	41
Ellendale, N. Dak.	318	67	331	76	191	51	230	68	98	35	118	44	2,575	56
El Paso, Texas	390	90	275	67	308	83	293	83	236	75	282	90	3,470	78
Erie, Pa.	288	62	223	52	209	56	171	50	41	14	35	12	2,352	50
Escanaba, Mich.	345	73	301	69	276	73	209	62	93	33	63	23	2,701	58
Eureka, Calif.	225	49	222	52	170	45	180	52	116	39	56	19	2,377	52
Evansville, Ind.	316	70	281	67	264	71	250	72	164	54	133	45	2,647	58
Fort Smith, Ark.	331	75	261	63	274	74	200	57	160	51	168	55	2,798	62
Fort Wayne, Ind.	342	75	284	67	247	66	242	70	105	35	75	26	2,533	54
Fresno, Calif.	443	99	405	96	356	96	305	88	212	69	142	48	3,733	82
Galveston, Tex.	329	77	253	62	321	87	260	73	237	74	176	55	2,900	64

Sunshine, 1920—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.
Grand Haven, Mich	114	39	87	28	183	50	158	39	334	74	353	77
Grand Junction, Colo	177	58	191	61	223	60	252	63	334	75	339	76
Grand Rapids, Mich	131	45	102	33	185	50	203	50	328	72	270	59
Green Bay, Wis	133	46	146	48	198	53	200	49	346	75	315	68
Greenville, S. C	149	48	163	51	240	65	239	61	313	72	314	72
Groesbeck, Texas	109	34	140	44	227	61	262	67	201	47	343	80
Harrisburg, Pa	116	38	148	47	242	65	238	60	323	72	311	69
Hartford, Conn	127	43	141	46	218	59	175	44	255	56	236	52
Havre, Mont	88	32	164	55	234	63	195	47	336	71	371	77
Helena, Mont	110	39	144	48	177	48	139	34	259	55	276	58
Honolulu, Hawaii	235	69	255	77	207	55	233	61	184	45	269	67
Houston, Tex	119	37	169	52	167	45	212	55	255	60	301	71
Huron, S. Dak	150	52	146	48	257	69	193	48	266	58	289	62
Independence, Calif	222	72	215	68	298	80	341	86	374	85	376	85
Indianapolis, Ind	139	46	116	37	219	59	162	41	287	64	319	71
Jacksonville, Fla	223	69	196	61	267	72	262	68	305	72	329	78
Juneau, Alaska	91	41	88	32	175	48	205	48	256	49	175	32
Kalispell, Mont	84	30	136	46	147	40	190	46	295	63	321	67
Kansas City, Mo	203	67	184	59	257	69	234	59	260	59	350	78
Key West, Fla	254	76	219	67	301	81	273	71	344	83	276	67
Knoxville, Tenn	102	33	104	33	213	57	226	57	255	58	252	58
La Crosse, Wis	137	47	143	47	241	65	244	60	346	76	325	70
Lander, Wyo	201	69	217	71	295	80	218	54	280	62	357	78
Lansing, Mich	147	50	148	48	237	64	216	54	339	75	323	70
Lexington, Ky	102	33	98	31	200	54	151	38	232	53	290	65
Little Rock, Ark	123	39	153	48	207	56	217	55	222	51	313	72
Los Angeles, Calif	235	74	200	63	267	72	274	70	264	61	301	70
Louisville, Ky	152	50	124	40	244	66	189	48	276	63	321	73
Ludington, Mich	100	34	135	44	202	55	207	51	376	82	320	69
Lynchburg, Va	114	37	128	41	239	64	240	61	311	71	267	61
Macon, Ga	189	59	200	63	289	78	267	68	338	79	373	87
Madison, Wis	114	39	112	37	207	56	178	44	308	68	327	71
Marquette, Mich	114	41	138	46	196	53	146	36	312	67	271	57
Memphis, Tenn	123	39	158	50	221	60	265	68	257	59	345	79
Meridian, Miss	118	37	156	49	197	53	224	57	219	51	330	77
Miami, Fla	218	66	211	64	276	74	254	66	276	66	248	60
Milwaukee, Wis	138	47	159	52	222	60	221	55	353	78	359	78
Minneapolis, Minn	139	49	134	44	242	65	207	51	319	69	270	58
Mobile, Ala	128	40	167	52	185	50	216	56	246	58	293	69
Modena, Utah	196	64	148	47	224	60	288	73	323	73	379	86
Mount Tamalpais, Calif	216	70	216	69	244	66	304	77	382	86	329	74
New Haven, Conn	138	46	166	54	256	69	233	58	293	65	265	59
New Orleans, La	130	40	178	55	186	50	229	59	274	65	280	66
New York, N. Y	116	39	162	52	242	65	242	60	327	73	302	67
Norfolk, Va	130	42	133	42	244	66	223	57	260	59	311	71
Northfield, Vt	108	37	84	27	170	46	122	30	238	52	216	47
North Head, Wash	94	33	194	64	147	40	202	50	258	56	211	45
North Platte, Nebr	166	56	183	59	274	74	211	53	242	54	330	73
Oklahoma City, Okla	152	49	161	51	231	62	286	73	225	52	342	79
Omaha, Nebr	147	49	104	34	225	61	159	40	230	51	299	66
Parkersburg, W. Va	77	25	102	33	232	62	180	45	262	59	268	60
Pensacola, Fla	160	49	209	65	222	60	211	54	244	58	322	76
Peoria, Ill	154	52	158	51	229	62	167	42	269	60	330	73
Philadelphia, Pa	115	38	151	48	235	63	249	62	299	67	279	62
Phoenix, Ariz	197	62	216	67	305	82	368	94	415	96	396	92

Sunshine, 1920—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.
Grand Haven, Mich	349	75	324	75	273	73	206	60	58	20	33	12	2,475	52
Grand Junction, Colo	352	78	324	76	258	69	208	60	175	58	101	34	2,935	64
Grand Rapids, Mich	303	65	266	62	237	63	186	54	53	18	51	18	2,314	49
Green Bay, Wis	345	73	319	73	283	75	233	69	111	35	81	30	2,702	58
Greenville, S. C	281	64	188	45	258	70	295	84	196	63	166	54	2,803	62
Groesbeck, Texas	294	68	188	46	282	76	233	66	183	58	195	62	2,657	59
Harrisburg, Pa	370	81	245	58	283	76	266	77	120	40	156	54	2,815	61
Hartford, Conn	279	60	205	48	243	65	216	63	100	34	131	46	2,325	51
Havre, Mont	421	86	366	82	255	68	178	53	190	69	86	33	2,882	61
Helena, Mont	336	70	308	70	196	52	113	33	169	60	111	42	2,337	51
Honolulu, Hawaii	278	68	306	77	274	74	267	74	197	59	211	63	2,917	66
Houston, Texas	269	63	165	40	260	70	233	66	160	50	179	56	2,489	55
Huron, S. Dak	326	70	362	84	256	68	231	68	94	32	126	45	2,696	59
Independence, Calif	408	91	359	85	335	90	290	83	227	74	223	75	3,669	81
Indianapolis, Ind	336	74	258	61	258	69	262	76	125	42	100	34	2,581	56
Jacksonville, Fla	291	68	266	65	245	66	271	76	171	54	185	58	3,011	67
Juneau, Alaska	361	66	100	21	74	19	55	17	63	27	44	22	1,687	35
Kalispell, Mont	424	88	352	80	249	66	177	53	115	41	57	22	2,549	54
Kansas City, Mo	372	82	320	75	275	74	244	70	160	53	187	64	3,047	67
Key West, Fla	301	72	272	68	191	52	198	55	149	45	201	61	2,978	66
Knoxville, Tenn	245	55	131	31	177	48	273	78	162	53	144	48	2,284	51
La Crosse, Wis	376	80	336	78	258	69	247	72	89	31	78	28	2,821	60
Lander, Wyo	365	78	342	79	318	85	225	66	232	80	211	75	3,260	73
Lansing, Mich	286	61	254	59	242	64	218	64	62	21	37	13	2,508	54
Lexington, Ky	295	66	188	45	234	63	257	74	128	42	75	25	2,248	49
Little Rock, Ark	262	59	211	51	238	64	213	61	164	53	132	43	2,455	54
Los Angeles, Calif	392	89	320	77	267	72	256	73	231	74	212	69	3,219	72
Louisville, Ky	330	73	259	61	241	65	265	76	145	48	102	35	2,649	58
Ludington, Mich	341	73	344	80	270	72	241	71	92	32	49	18	2,679	57
Lynchburg, Va	344	77	244	58	236	64	296	85	157	51	152	51	2,728	60
Macon, Ga	324	74	289	70	299	80	293	83	214	68	181	58	3,256	72
Madison, Wis	340	73	298	69	232	62	189	55	73	25	54	19	2,432	52
Marquette, Mich	270	56	287	65	212	56	160	48	62	22	50	19	2,219	47
Memphis, Tenn	339	77	268	64	249	67	255	73	194	62	152	50	2,825	62
Meridian, Miss	251	58	227	55	307	83	282	80	210	66	146	47	2,666	59
Miami, Fla	272	65	285	70	200	54	202	57	162	50	180	55	2,783	62
Milwaukee, Wis	360	78	344	80	299	80	214	63	90	31	88	31	2,846	61
Minneapolis, Minn	364	77	347	80	228	61	212	62	93	32	81	30	2,637	56
Mobile, Ala	223	52	194	47	217	59	248	70	208	65	166	53	2,493	56
Modena, Utah	368	82	338	80	276	74	271	78	211	70	204	69	3,228	71
Mount Tamalpais, Calif	425	95	381	90	328	88	247	71	148	49	176	60	3,396	75
New Haven, Conn	338	74	222	52	250	67	251	73	139	47	159	55	2,711	60
New Orleans, La	224	52	158	39	244	66	202	57	195	61	126	40	2,426	54
New York, N. Y	353	77	244	57	280	75	252	73	116	39	134	47	2,771	60
Norfolk, Va	311	70	215	51	276	74	276	79	153	50	162	54	2,694	60
Northfield, Vt	217	46	228	53	149	40	159	47	24	8	20	7	1,736	37
North Head, Wash	196	41	264	60	120	32	132	39	111	39	24	9	1,953	42
North Platte, Nebr	411	90	358	84	314	84	284	83	179	60	160	56	3,112	69
Oklahoma City, Okla	334	76	224	54	300	81	223	64	179	58	180	59	2,838	63
Omaha, Nebr	354	77	282	66	271	73	238	69	114	38	160	56	2,585	57
Parkersburg, W. Va	329	73	264	62	253	68	231	67	98	33	69	24	2,365	51
Pensacola, Fla	277	65	221	54	231	62	262	74	202	63	158	50	2,721	61
Peoria, Ill	353	77	276	65	248	66	210	61	112	38	115	40	2,622	57
Philadelphia, Pa	337	74	206	48	243	65	233	67	120	40	146	50	2,612	57
Phoenix, Ariz	402	92	368	89	346	93	310	88	258	82	263	85	3,843	85

Sunshine, 1920—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.
Pittsburgh, Pa	100	34	107	35	229	62	162	40	327	73	267	59
Pocatello, Idaho	154	53	189	62	168	45	166	41	271	60	307	67
Port Angeles, Wash	33	12	142	48	142	39	235	57	267	57	208	43
Port Arthur, Tex	105	32	182	56	172	46	230	59	282	67	304	72
Port Huron, Mich	111	38	102	33	160	43	135	34	274	60	266	58
Portland, Me	163	56	156	51	226	61	196	49	318	69	288	62
Portland, Oreg	148	52	190	63	123	33	200	49	354	76	284	60
Providence, R. I	128	43	143	47	241	65	186	46	237	52	216	47
Pueblo, Colo	176	57	198	63	269	72	267	67	260	59	261	59
Raleigh, N. C	130	42	162	51	244	66	241	61	280	64	288	66
Rapid City, S. Dak	147	51	204	67	247	67	170	42	216	47	285	62
Reading, Pa	125	41	153	49	227	61	217	54	292	65	295	66
Richmond, Va	133	44	149	48	257	69	250	63	273	62	310	70
Rochester, N. Y	122	42	146	48	215	58	203	50	325	72	257	56
Roswell, N. Mex	187	59	203	64	318	86	336	86	306	71	322	75
Royal Center, Ind	165	56	128	42	223	60	155	39	328	73	338	75
Sacramento, Calif	164	54	222	71	252	68	318	80	368	83	352	79
Saginaw, Mich	154	52	181	59	244	66	268	67	349	77	351	76
St. Joseph, Mo	181	60	137	44	230	62	188	47	209	47	344	77
St. Louis, Mo	158	52	125	40	226	61	175	44	230	52	311	70
St. Paul, Minn	140	49	117	38	229	62	205	51	297	64	281	60
Salt Lake City, Utah	175	59	204	66	144	39	158	40	344	77	388	86
San Antonio, Tex	121	37	159	49	223	60	285	74	230	55	278	66
San Diego, Calif	155	49	146	46	240	65	286	73	217	50	278	65
Sandy Hook, N. J	164	54	194	62	278	75	260	65	320	72	293	65
San Francisco, Calif	211	69	205	65	276	74	319	80	375	85	364	82
San Jose, Calif	197	64	190	60	246	66	309	78	362	83	364	83
San Juan, Porto Rico	192	55	201	60	236	63	299	79	259	64	278	70
San Luis Obispo, Calif	217	69	191	60	251	68	285	73	321	74	313	72
Santa Fe, N. Mex	189	61	172	54	228	61	237	60	304	70	334	76
Sault Ste. Marie, Mich	139	49	165	55	169	46	187	46	342	74	303	64
Savannah, Ga	213	67	192	60	281	76	221	57	321	75	335	79
Seattle, Wash	57	21	129	43	186	50	170	41	276	59	276	58
Sheridan, Wyo	142	50	205	68	230	62	193	48	255	55	303	65
Sioux City, Iowa	105	35	90	29	220	59	173	43	236	52	248	54
Spokane, Wash	57	21	144	48	169	46	219	53	273	58	330	69
Springfield, Ill	182	60	179	58	243	66	198	50	288	65	355	79
Springfield, Mo	179	58	156	49	222	60	236	60	206	47	282	64
Tacoma, Wash	45	16	115	38	139	38	173	42	245	52	225	47
Tampa, Fla	242	74	202	62	268	72	250	65	308	73	283	68
Terre Haute, Ind	153	50	140	45	225	61	176	44	268	60	289	65
Toledo, Ohio	129	44	103	33	221	60	110	27	281	62	290	64
Tonopah, Nev	212	69	217	69	267	72	302	76	335	76	352	79
Trenton, N. J	129	43	156	50	237	64	222	56	282	63	249	56
Vicksburg, Miss	95	30	166	52	208	56	254	65	254	59	325	76
Walla Walla, Wash	36	13	164	54	141	38	207	51	308	66	311	66
Washington, D. C	126	42	126	40	231	62	215	54	256	58	290	65
Wichita, Kans	171	56	196	62	271	73	273	69	241	55	331	75
Williston, N. Dak	106	38	159	53	244	66	255	62	322	68	374	78
Wilmington, N. C	161	51	160	50	234	63	195	50	252	58	307	71
Winnemucca, Nev	212	71	238	77	207	56	270	68	373	83	385	85
Wytheville, Va	108	35	94	30	214	58	214	54	281	64	288	65
Yankton, S. Dak	82	28	103	33	222	60	142	35	175	38	203	44
Yellowstone Park, Wyo	152	53	208	69	166	45	137	34	255	55	300	64
Yuma, Ariz	194	61	194	61	330	89	371	95	413	96	414	97

Sunshine, 1920—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.	Hours.	Per centage of possible.
Pittsburgh, Pa	294	64	215	50	235	63	240	70	107	36	94	33	2,379	52
Pocatello, Idaho	336	72	311	72	212	56	145	42	115	39	78	28	2,453	53
Port Angeles, Wash	326	67	289	65	144	38	84	25	76	27	19	7	1,965	40
Port Arthur, Tex	248	58	221	54	277	75	230	65	229	72	152	48	2,631	59
Port Huron, Mich	231	50	216	50	236	63	171	50	64	22	44	16	2,010	43
Portland, Me	344	74	272	63	205	55	236	69	146	50	132	47	2,682	59
Portland, Oreg	325	68	324	74	165	44	98	29	158	55	54	20	2,423	52
Providence, R. I	213	68	226	53	218	58	260	76	115	39	144	51	2,427	54
Pueblo, Colo	316	70	296	70	278	75	270	78	188	62	202	68	2,981	67
Raleigh, N. C	260	58	186	44	231	62	269	77	198	64	176	58	2,665	59
Rapid City, S. Dak	322	69	347	80	266	71	227	67	182	63	131	47	2,745	61
Reading, Pa	321	70	183	43	238	64	244	71	101	34	127	44	2,523	55
Richmond, Va	349	78	229	54	267	72	266	76	143	47	141	48	2,766	61
Rochester, N. Y	266	57	303	70	279	74	209	61	63	21	82	29	2,469	53
Roswell, N. Mex	381	87	265	64	295	80	270	77	214	68	271	87	3,369	75
Royal Center, Ind	364	79	306	72	278	74	241	70	106	36	99	34	2,730	59
Sacramento, Calif	412	91	400	94	332	89	282	81	140	46	117	40	3,357	73
Saginaw, Mich	348	75	291	68	270	72	182	53	68	23	56	20	2,762	59
St. Joseph, Mo	371	81	323	76	264	71	217	63	116	39	142	49	2,722	60
St. Louis, Mo	337	75	258	61	259	69	251	73	150	50	145	49	2,624	58
St. Paul, Minn	352	75	338	78	253	67	220	65	98	34	68	25	2,598	56
Salt Lake City, Utah	393	86	342	80	261	70	162	47	132	44	68	24	2,770	60
San Antonio, Tex	332	78	275	67	298	81	224	63	128	40	217	68	2,769	62
San Diego, Calif	339	78	333	81	286	77	288	82	244	78	223	72	3,036	68
Sandy Hook, N. J	332	73	235	55	257	69	242	70	132	44	150	51	2,858	63
San Francisco, Calif	310	69	336	80	277	74	280	81	154	51	163	55	3,270	72
San Jose, Calif	378	85	359	86	309	83	264	76	147	49	139	47	3,265	72
San Juan, Porto Rico	290	71	312	79	256	70	250	69	240	71	241	70	3,054	68
San Luis Obispo, Calif	365	83	314	75	288	78	280	80	217	70	188	62	3,230	72
Santa Fe, N. Mex	326	73	315	75	290	78	246	71	221	72	217	72	3,078	69
Sault Ste. Marie, Mich	328	69	267	61	197	52	127	38	17	6	50	18	2,292	48
Savannah, Ga	279	64	227	55	224	60	261	74	171	54	158	51	2,884	64
Seattle, Wash	325	67	330	75	143	38	70	21	114	41	30	11	2,107	44
Sheridan, Wyo	335	71	312	72	260	69	167	49	149	52	152	55	2,703	60
Sioux City, Iowa	296	64	314	73	294	78	248	72	95	32	121	42	2,439	53
Spokane, Wash	424	88	319	72	235	62	134	40	97	35	42	16	2,443	51
Springfield, Ill	367	81	282	66	285	76	232	67	148	49	137	47	2,895	64
Springfield, Mo	282	63	269	64	274	74	228	66	150	49	148	50	2,633	59
Tacoma, Wash	274	57	218	49	116	31	44	13	92	33	20	7	1,706	35
Tampa, Fla	268	63	283	70	217	59	263	74	165	51	198	61	2,948	66
Terre Haute, Ind	315	70	263	62	262	70	257	74	166	55	113	38	2,627	58
Toledo, Ohio	284	61	240	56	263	70	224	65	99	34	58	20	2,301	50
Tonopah, Nev	407	90	370	88	323	87	243	70	171	56	145	49	3,344	73
Trenton, N. J	318	70	229	54	262	70	223	65	122	41	135	46	2,564	56
Vicksburg, Miss	281	65	248	60	275	74	252	71	210	67	140	45	2,707	60
Walla Walla, Wash	413	87	346	79	231	61	138	41	119	42	50	18	2,465	51
Washington, D. C	297	66	228	54	261	70	274	79	118	39	102	35	2,526	55
Wichita, Kans	338	75	258	61	279	75	224	64	164	54	165	56	2,910	65
Williston, N. Dak	411	85	364	82	309	82	238	71	144	52	121	46	3,047	65
Wilmington, N. C	262	60	250	60	212	57	281	80	200	64	152	50	2,667	60
Winnemucca, Nev	434	95	397	93	275	74	223	65	128	43	131	45	3,273	71
Wytheville, Va	331	74	196	47	210	56	303	87	134	44	125	42	2,497	55
Yankton, S. Dak	311	67	326	76	282	75	244	71	104	36	106	38	2,300	50
Yellowstone Park, Wyo	340	72	316	73	257	68	182	54	130	45	84	31	2,528	55
Yuma, Ariz	411	94	366	88	342	92	313	89	275	88	240	77	3,863	86

EXCESSIVE RAINFALL.

The following table contains reports of excessive rainfall for the calendar year 1920. Similar records for the years 1896 to 1919, 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 1920 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 in the South Atlantic States and the Gulf region, where stations have normally heavy falls, data only for the more important storms are included, these stations being designated with reference mark and footnote.

Normal standard time at the place of occurrence is employed in this table.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.[1]																				
Portland, Me.:																				
July 19	6:52 p.m.	7:24 p.m.	0.45	6:59 p.m.	7:14 p.m.	0.01	0.29	0.34	0.42											
July 23	2:13 a.m.	6:12 a.m.	.70	2:15 a.m.	2:20 a.m.	.01	.30													
July 31	8:51 p.m.	[2]12:40 a.m.	.68	9:02 p.m.	9:14 p.m.	.02	.29	.38	.44											
Aug. 14	4:25 p.m.	8:14 p.m.	2.30	4:43 p.m.	5:18 p.m.	.03	.30	.55	.70	0.75	0.86	0.98	1.13							
Aug. 14	4:25 p.m.	8:14 p.m.	2.30	6:03 p.m.	6:45 p.m.	1.24	.09	.17	.39	.50	.57	.64	.77	0.91	0.97					
Sept. 13	11:30 a.m.	9:32 p.m.	2.59	1:05 p.m.	1:56 p.m.	.25	.05	.21	.31	.40	.47	.57	.67	.72	.76	0.82	0.90			
Concord, N. H.:																				
June 29	1:20 p.m.	1:53 p.m.	0.84	1:31 p.m.	1:45 p.m.	T.	.35	.60	.83											
July 19	5:20 p.m.	5:55 p.m.	0.59	5:27 p.m.	5:40 p.m.	.02	.14	.35	.53											
Aug. 22	7:18 p.m.	7:54 p.m.	1.02	7:18 p.m.	7:51 p.m.	0	.27	.42	.60	.82	.90	.97	1.01							
Sept. 12	7:52 p.m.	[2]2:55 a.m.	.78	7:57 p.m.	8:07 p.m.	.01	.18	.31												
Burlington, Vt.:																				
June 15	5:50 a.m.	7:15 a.m.	.66	6:18 a.m.	6:32 a.m.	.03	.19	.40	.54											
June 15	8:40 p.m.	10:30 p.m.	.62	9:24 p.m.	9:47 p.m.	.05	.15	.24	.27	.39	.46									
June 15	11:23 p.m.	[2]7:10 a.m.	.53	11:30 p.m.	11:45 p.m.	.03	.09	.20	.37											
July 12	5:37 p.m.	7:25 p.m.	.85	5:42 p.m.	6:06 p.m.	.02	.23	.37	.50	.61	.70									
July 19	[2]9:45 p.m.	7:55 a.m.	1.12	4:42 a.m.	4:56 a.m.	.61	.16	.30	.37											
Sept. 7	2:10 p.m.	3:20 p.m.	.63	2:18 p.m.	2:35 p.m.	.02	.13	.33	.45	.50										
Northfield, Vt.[1]																				
Boston, Mass.:																				
Aug. 7	2:20 p.m.	4:20 p.m.	.73	2:23 p.m.	2:38 p.m.	.02	.10	.20	.36											
Nantucket, Mass.:																				
Aug. 11	9:50 a.m.	10:35 a.m.	.48	9:53 a.m.	10:14 a.m.	.02	.06	.10	.25	.42	.45									
Aug. 16	[2]10:50 p.m.	4:20 a.m.	.96	1:35 a.m.	2:06 a.m.	.39	.11	.14	.17	.36	.45	.56	.57							
Sept. 12	12:04 p.m.	2:45 p.m.	.84	1:31 p.m.	1:41 p.m.	.27	.23	.30												
Block Island, R. I.:																				
Mar. 13	3:00 a.m.	3:55 p.m.	2.22	9:52 a.m.	10:07 a.m.	1.06	.07	.16	.35											
Apr. 28	[2]3:30 p.m.	11:38 a.m.	1.11	10:13 a.m.	10:34 a.m.	.54	.09	.22	.33	.43	.46									
June 3	3:45 p.m.	5:30 p.m.	.60	3:53 p.m.	4:12 p.m.	.02	.13	.25	.36	.42										
July 15	1:02 p.m.	3:00 p.m.	1.33	1:10 p.m.	1:30 p.m.	.04	.22	.37	.40	.47										
July 15	1:02 p.m.	3:00 p.m.	1.33	2:40 p.m.	2:53 p.m.	.78	.25	.52	.55											
Aug. 31	3:40 p.m.	4:28 p.m.	.94	3:43 p.m.	4:07 p.m.	.01	.20	.40	.59	.85	.91									
Dec. 23	[2]9:40 p.m.	5:10 a.m.	1.72	2:35 a.m.	3:30 a.m.	.71	.06	.11	.17	.21	.26	.37	.49	.66	.75	.83	.93			
Providence, R. I.:																				
July 24	4:20 p.m.	6:12 p.m.	.54	4:28 p.m.	4:39 p.m.	.02	.12	.38	.41											
Aug. 7	3:17 p.m.	5:08 p.m.	.36	3:28 p.m.	3:35 p.m.	.01	.27	.33												
Aug. 15	3:30 a.m.	6:15 a.m.	1.32	3:57 a.m.	4:19 a.m.	.06	.22	.57	.73	.80	.84									
Nov. 23	[2]12:50 p.m.	4:05 p.m.	1.27	9:16 a.m.	9:31 a.m.	.72	.15	.37	.48											
Hartford, Conn.:																				
June 29	5:07 p.m.	8:45 p.m.	1.05	5:13 p.m.	5:28 p.m.	.02	.20	.35	.44											
June 30	5:57 p.m.	7:30 p.m.	.57	5:58 p.m.	6:08 p.m.	T.	.37	.47												
July 12	D.N.a.m.	9:40 a.m.	1.23	6:18 a.m.	6:33 a.m.	.12	.11	.43	.51											
July 12	3:54 p.m.	4:50 p.m.	1.18	4:17 p.m.	4:44 p.m.	.01	.23	.46	.74	.96	1.11	1.17								
July 15	2:50 p.m.	5:35 p.m.	.93	4:28 p.m.	4:53 p.m.	.07	.10	.30	.56	.77	.84									
Aug. 16	3:05 p.m.	4:40 p.m.	1.47	3:05 p.m.	3:51 p.m.	0	.13	.26	.29	.37	.38	.53	.76	.16	1.36	1.38				
Sept. 12	7:30 a.m.	10:18 a.m.	1.15	9:08 a.m.	9:33 a.m.	02	.16	.52	.75	1.01	1.06									
Sept. 30	D.N.a.m.	[3]D.N.(a).	4.60	6:50 a.m.	7:11 a.m.	1.14	.09	.23	.36	.45	.48									
Sept. 30	D.N.a.m.	[3]D.N.(a).	4.60	10:04 p.m.	10:32 p.m.	3.84	.08	.25	.40	.49	.61	.69								
Nov. 23	[2]9:00 p.m.	8:15 a.m.	2.07	6:41 a.m.	7:00 a.m.	1.39	.15	.32	.41	.52										
New Haven, Conn.:																				
July 3	[2]D.N.p.m.	1:30 p.m.	2.81	7:44 a.m.	8:09 a.m.	.98	.09	.29	.59	.89	1.04									
Aug. 11	[2]10:40 p.m.	10:30 a.m.	.95	2:56 a.m.	3:23 a.m.	.04	.20	.22	.27	.29	.49	.56								
Sept. 10	8:50 a.m.	9:15 a.m.	.41	8:55 a.m.	9:10 a.m.	.02	.15	.28	.39											
Sept. 28	2:55 p.m.	7:00 p.m.	1.02	4:17 p.m.	4:52 p.m.	.15	.09	.15	.18	.22	.36	.54	.68							

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

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.:																				
June 29	3:36 p. m.	5:45 p. m.	0.85	3:36 p. m.	3:51 p. m.	0	0.38	0.68	0.78											
July 15	4:30 a. m.	5:45 a. m.	.39	5:17 a. m.	5:29 a. m.	.05	.13	.27	.33											
Aug. 15	12:45 a. m.	D.N.(a)	.52	12:57 a. m.	1:12 a. m.	.01	.14	.37	.50											
Binghamton, N. Y.:																				
June 29	2:55 p. m.	3:30 p. m.	.45	3:12 p. m.	3:23 p. m.	.02	.33	.41	.43											
June 29	10:20 p. m.	[3] 12:30 a. m.	.81	11:04 p. m.	11:32 p. m.	.06	.10	.24	.32	0.43	0.56	0.63								
July 18	9:00 p. m.	10:40 p. m.	.96	9:23 p. m.	10:13 p. m.	.13	.08	.19	.25	.36	.42	.47	0.53	0.57	0.66	0.79				
July 22	5:10 p. m.	11:00 p. m.	1.25	5:19 p. m.	5:59 p. m.	.01	.06	.19	.33	.53	.62	.70	.80	.91						
July 23	9:25 p. m.	[3] D.N.(a)	1.65	10:53 p. m.	11:20 p. m.	.05	.28	.45	.75	1.14	1.28	1.33								
Aug. 7	2:50 p. m.	5:30 p. m.	1.31	3:07 p. m.	3:32 p. m.	.01	.13	.39	.76	.96	1.01									
Aug. 18	4:00 p. m.	4:45 p. m.	.45	4:10 p. m.	4:21 p. m.	.03	.20	.40	.42											
Sept. 27	9:45 p. m.	[3] D.N.(a).	1.27	10:31 p. m.	11:04 p. m.	.06	.07	.28	.42	.56	.66	.84	.94							
New York, N. Y.:																				
June 24 [4]	7:28 p. m.	9:40 p. m.	1.34	7:33 p. m.	8:03 p. m.	.01	.07	.23	.73	.84	.93	.99								
July 24	3:10 a. m.	6:15 a. m.	1.11	3:18 a. m.	3:43 a. m.	T.	.05	.27	.62	.70	.75									
Aug. 7	4:07 p. m.	5:35 p. m.	.59	4:12 p. m.	4:31 p. m.	.01	.17	.31	.45	.49										
Aug. 16	5:24 p. m.	6:35 p. m.	1.15	5:31 p. m.	6:01 p. m.	T.	.07	.35	.53	.82	.93	1.02								
Harrisburg, Pa.:																				
June 16	2:28 p. m.	4:00 p. m.	.50	2:52 p. m.	3:02 p. m.	.06	.22	.37												
June 17	3:27 p. m.	4:45 p. m.	.51	3:27 p. m.	3:47 p. m.	0	.09	.25	.38	.49										
July 11	8:20 p. m.	[3] D. N. a. m.	1.35	10:04 p. m.	10:45 p. m.	.13	.13	.21	.30	.38	.52	.61	.68	.74	.77					
July 14	2:50 p. m.	3:30 p. m.	.65	2:50 p. m.	3:10 p. m.	0	.17	.41	.59	.64										
July 31 [4]	4:52 p. m.	6:10 p. m.	.56	5:13 p. m.	5:39 p. m.	.01	.12	.21	.23	.40	.52	.54								
Aug. 18	8:45 p. m.	D. N. p. m.	2.43	9:16 p. m.	10:05 p. m.	.03	.31	.73	1.06	1.27	1.41	1.61	1.86	2.13	2.32	2.37				
Sept. 30	D. N. a. m.	5:50 p. m.	2.00	4:40 a. m.	5:35 a. m.	.23	.07	.13	.20	.26	.39	.46	.52	.60	.67	.76	0.84			
Philadelphia, Pa.:																				
June 16	3:22 p. m.	6:10 p. m.	1.14	4:49 p. m.	5:12 p. m.	.46	.08	.16	.39	.54	.61									
June 17	5:25 p. m.	8:10 p. m.	1.18	5:28 p. m.	5:51 p. m.	.01	.23	.33	.57	.82	.96									
June 21	10:50 a. m.	11:02 a. m.	.38	10:53 a. m.	11:00 a. m.	.01	.30	.37												
June 23	5:30 p. m.	6:10 p. m.	.45	5:33 p. m.	5:41 p. m.	.01	.30	.40												
July 7	6:15 p. m.	8:25 p. m.	.79	6:18 p. m.	6:28 p. m.	.01	.35	.56												
July 23	1:55 a. m.	5:30 a. m.	.81	3:38 a. m.	3:57 a. m.	.03	.09	.23	.49	.63										
Aug. 10	5:15 p. m.	[2] D. N. a. m.	2.11	7:41 p. m.	8:07 p. m.	.41	.10	.13	.24	.46	.72	.77								
Aug. 11	9:55 p. m.	10:40 p. m.	.58	10:03 p. m.	10:13 p. m.	.01	.18	.53												
Aug. 14	7:28 p. m.	8:05 p. m.	.83	7:35 p. m.	7:54 p. m.	.02	.08	.25	.63	.81										
Aug. 18	6:25 p. m.	8:35 p. m.	1.20	6:28 p. m.	6:53 p. m.	.01	.27	.58	.84	1.07	1.15									
Dec. 22	10:40 a. m.	11:50 p. m.	1.11	11:18 p. m.	11:38 p. m.	.62	.07	.23	.42	.47										
Reading, Pa.:																				
June 17	3:47 p. m.	6:20 p. m.	.90	4:23 p. m.	4:49 p. m.	.01	.13	.23	.37	.47	.55	.59								
July 23	[3] 11:35 p. m.	2:13 a. m.	1.20	1:09 a. m.	1:32 a. m.	.36	.08	.23	.40	.69	.77									
July 31	7:35 p. m.	8:15 p. m.	.90	7:43 p. m.	8:08 p. m.	.01	.33	.41	.53	.74	.87									
Aug. 16	9:25 a. m.	11:05 a. m.	1.46	9:43 a. m.	10:45 a. m.	.03	.17	.37	.48	.53	.58	.63	.72	.82	1.02	1.16	1.38	1.43		
Scranton, Pa.:																				
May 21	7:05 p. m.	7:55 p. m.	.62	7:16 p. m.	7:27 p. m.	.02	.24	.57	.59											
June 17	12:45 p. m.	6:02 p. m.	1.58	3:36 p. m.	4:26 p. m.	.52	.05	.14	.31	.45	.51	.63	.67	.73	.78	.84				
July 7	4:11 p. m.	6:48 p. m.	1.18	4:33 p. m.	4:53 p. m.	.01	.26	.40	.59	.73										
Aug. 18	12:25 p. m.	1:47 p. m.	.88	12:42 p. m.	1:16 p. m.	.02	.06	.15	.32	.51	.63	.76	.85							
Atlantic City, N. J.:																				
June 16	5:27 p. m.	7:25 p. m.	.52	5:31 p. m.	5:41 p. m.	.01	.14	.35												
June 17	6:40 p. m.	9:40 p. m.	1.26	6:40 p. m.	7:05 p. m.	0.	.14	.34	.46	.67	.78									
June 29	6:24 p. m.	9:45 p. m.	2.81	7:49 p. m.	9:26 p. m.	.09	.16	.43	.74	1.04	1.32	1.44	1.49	1.56	1.64	1.79	1.81	2.18	2.72	
Aug. 6	[3] 3:38 p. m.	6:10 a. m.	1.36	12:52 a. m.	1:20 a. m.	.27	.14	.29	.42	.56	.75	.91								
Aug. 16	7:01 p. m.	7:47 p. m.	.52	7:01 p. m.	7:19 p. m.	0	.09	.19	.37	.48										
Nov. 3	[3] 7:07 p. m.	D. N. a. m.	1.38	12:12 a. m.	12:32 a. m.	.59	.09	.31	.38	.45										
Nov. 22	10:05 p. m.	[3] 12:10 p. m.	.50	10:15 p. m.	10:35 p. m.	.02	.15	.30	.38	.43										
Sandy Hook, N. J.:																				
Apr. 21	[3] 10:45 p. m.	11:45 a. m.	1.93	9:42 a. m.	10:32 a. m.	.87	.10	.33	.53	.61	.67	.70	.75	.83	.89	.94				
Apr. 23	4:55 a. m.	6:10 a. m.	.43	5:08 a. m.	5:21 a. m.	T.	.09	.31	.39											
June 17	6:27 p. m.	[3] 2:00 a. m.	.76	6:42 p. m.	6:52 p. m.	T.	.15	.30												
June 30	6:30 p. m.	7:05 p. m.	.61	6:37 p. m.	6:49 p. m.	T.	.16	.51	.61											
July 3	4:15 a. m.	10:20 a. m.	1.19	5:10 a. m.	5:47 a. m.	.13	.05	.15	.33	.53	.63	.82	.98	1.03						
July 15	11:37 a. m.	12:10 p. m.	.30	11:41 a. m.	11:49 a. m.	T.	.17	.30												
July 24	3:25 a. m.	7:20 a. m.	2.00	3:39 a. m.	5:06 a. m.	T.	.10	.28	.44	.56	.65	.66	.66	.67	.67	.78	.99	1.78	1.99	
Aug. 11	4:15 a. m.	6:30 a. m.	.65	4:32 a. m.	4:46 a. m.	.02	.15	.31	.34											
Aug. 13	1:56 p. m.	2:18 p. m.	.35	1:58 p. m.	2:10 p. m.	T.	.11	.28	.35											
Aug. 16	4:30 p. m.	7:45 p. m.	.90	4:53 p. m.	5:37 p. m.	.02	.08	.23	.37	.46	.48	.57	.63	.67	.74					
Aug. 17	6:24 p. m.	[3] 2:00 a. m.	1.24	7:19 p. m.	7:53 p. m.	.01	.11	.35	.61	.75	.79	.88	.94							
Trenton, N. J.:																				
June 17	5:33 p. m.	[3] D. N. a. m.	1.16	5:43 p. m.	5:58 p. m.	.01	.31	.63	.71											
June 30	6:35 p. m.	7:15 p. m.	1.70	6:38 p. m.	7:06 p. m.	.01	.19	.50	.96	1.32	1.62	1.69								
Aug. 7	4:32 p. m.	5:55 p. m.	.55	4:37 p. m.	4:51 p. m.	.01	.15	.40	.47											
Aug. 10	5:25 p. m.	[3] D. N. a. m.	1.40	7:51 p. m.	8:06 p. m.	.17	.10	.18	.40											
Aug. 11	10:30 p. m.	[3] D. N. a. m.	.64	10:33 p. m.	11:02 p. m.	.01	.13	.15	.24	.43	.57	.62								
Aug. 17	6:40 p. m.	9:15 p. m.	.84	6:45 p. m.	7:05 p. m.	.01	.13	.33	.56	.64										
Baltimore, Md.:																				
June 13	2:40 p. m.	5:20 p. m.	1.16	3:54 p. m.	4:19 p. m.	.10	.25	.44	.71	.88	1.01									
June 16 [4]	4:19 p. m.	5:15 p. m.	.53	4:16 p. m.	4:33 p. m.	.01	.19	.27	.35	.37										
June 24	5:05 p. m.	7:20 p. m.	1.36	5:19 p. m.	6:12 p. m.	.01	.08	.19	.26	.34	.43	.51	.59	.71	.90	1.17	1.30			
July 2	4:25 p. m.	8:25 p. m.	1.90	5:25 p. m.	5:49 p. m.	.06	.24	.43	.53	.60	.69									
July 2	4:25 p. m.	8:25 p. m.	1.90	7:38 p. m.	8:06 p. m.	.98	.05	.23	.36	.51	.81	.88								
July 7	4:22 p. m.	6:25 p. m.	.71	4:22 p. m.	4:36 p. m.	0	.13	.40	.54											
July 19	12:17 p. m.	1:10 p. m.	.61	12:24 p. m.	12:42 p. m.	.02	.28	.43	.50	.57										
Aug. 1	11:40 a. m.	1:50 p. m.	.59	1:00 p. m.	1:21 p. m.	.03	.18	.30	.47	.54	.56									
Aug. 1	2:10 p. m.	6:50 p. m.	2.95	2:22 p. m.	2:44 p. m.	.07	.11	.31	.63	.79	.87									
Aug. 1	2:10 p. m.	6:50 p. m.	2.05	4:20 p. m.	4:44 p. m.	1.16	.19	.30	.4[illegible]	.63	.82									

[3] On previous date. [2] On following date. [4] Defective record.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.																				
Baltimore, Md.—Continued.																				
Aug. 9	6:43 p. m.	7:28 p. m.	0.38	7:05 p. m.	7:15 p. m.	0.01	0.18	0.35												
Aug. 10	5:00 p. m.	7:10 p. m.	1.01	5:03 p. m.	5:11 p. m.	.01	.20	.30												
Aug. 10	5:00 p. m.	7:10 p. m.	1.01	5:56 p. m.	6:06 p. m.	.52	.10	.36												
Aug. 17	2:10 p. m.	3:45 p. m.	.97	2:20 p. m.	2:56 p. m.	.01	.08	.38	0.57	0.60	0.72	0.79	0.87	0.89						
Sept. 27	3:35 p. m.	4:45 p. m.	.52	4:06 p. m.	4:17 p. m.	.03	.36	.42	.46											
Washington, D. C.:																				
June 21	2:18 p. m.	2:50 p. m.	.43	2:20 p. m.	2:28 p. m.	T.	.24	.41												
July 2	3:25 p. m.	5:00 p. m.	.51	4:27 p. m.	4:34 p. m.	.11	.28	.40												
July 2	6:10 p. m.	8:00 p. m.	1.42	6:40 p. m.	7:03 p. m.	.01	.20	.43	.88	1.26	1.39									
July 2	9:25 p. m.	11:55 p. m.	.88	10:51 p. m.	11:31 p. m.	.10	.16	.24	.27	.28	.51	.65	.69	.75						
July 7	4:00 p. m.	5:20 p. m.	.50	4:02 p. m.	4:12 p. m.	.01	.21	.33												
July 19	1:12 p. m.	2:55 p. m.	.48	1:25 p. m.	1:35 p. m.	.04	.27	.38												
July 24	3:39 p. m.	6:10 p. m.	.89	3:42 p. m.	4:15 p. m.	.01	.08	.10	.20	.38	.63	.74	.80							
July 31	10:15 p. m.	10:40 p. m.	.36	10:17 p. m.	10:27 p. m.	.01	.22	.35												
Aug. 1	4:31 p. m.	6:35 p. m.	.96	4:31 p. m.	4:45 p. m.	0	.37	.71	.85											
Aug. 10	4:48 p. m.	5:30 p. m.	.37	4:49 p. m.	4:57 p. m.	.01	.29	.36												
Aug. 12	6:15 p. m.	7:52 p. m.	.70	6:19 p. m.	6:28 p. m.	.02	.22	.31												
Sept. 10	[2] 11:30 p. m.	1:30 a. m.	1.21	12:10 a. m.	12:35 a. m.	.04	.14	.29	.57	.85	1.04									
Cape Henry, Va.:																				
Mar. 13	12:35 a. m.	12:40 p. m.	1.92	8:09 a. m.	8:14 a. m.	1.29	.35													
Apr. 13	12:20 a. m.	7:10 a. m.	1.40	2:58 a. m.	3:08 a. m.	.18	.33	.38												
Apr. 17	1:53 p. m.	3:07 p. m.	.52	2:50 p. m.	2:55 p. m.	.23	.25													
July 3	8:00 p. m.	9:40 p. m.	.95	8:04 p. m.	8:15 p. m.	.01	.47	.80	.82											
July 19	3:10 p. m.	3:47 p. m.	.99	3:22 p. m.	3:40 p. m.	.01	.16	.41	.80	.98										
July 20	[2] 4:15 p. m.	7:00 a. m.	1.82	1:51 a. m.	2:22 a. m.	.96	.10	.16	.19	.24	.32	.51	.57							
Aug. 6	2:08 p. m.	4:00 p. m.	.92	2:12 p. m.	3:02 p. m.	.02	.18	.30	.34	.36	.36	.36	.36	.58	0.69	0.75				
Aug. 10	2:03 p. m.	5:05 p. m.	.92	3:37 p. m.	3:52 p. m.	.35	.05	.29	.46											
Sept. 30	1:20 p. m.	8:20 p. m.	2.10	4:32 p. m.	5:45 p. m.	.23	.06	.13	.20	.49	.78	.93	.95	.97	1.00	1.07	1.32	1.66		
Lynchburg, Va.:																				
June 3	6:15 p. m.	8:30 p. m.	1.75	6:43 p. m.	7:32 p. m.	.01	.15	.41	.82	1.08	1.26	1.35	1.45	1.55	1.63	1.67				
June 24	7:45 p. m.	8:30 p. m.	.54	7:56 p. m.	8:13 p. m.	.01	.19	.38	.46	.49										
July 18	D.N. a. m.	D.N. a. m.	1.46	2:51 a. m.	3:39 a. m.	.01	.20	.41	.65	.81	.85	1.00	1.04	1.11	1.24	1.32				
July 19	2:35 p. m.	2:50 p. m.	.42	2:36 p. m.	2:46 p. m.	T.	.26	.42												
July 24	6:55 p. m.	7:50 p. m.	.78	7:12 p. m.	7:37 p. m.	.01	.11	.38	.58	.69	.75									
Aug. 18	3:40 p. m.	6:10 p. m.	1.04	4:23 p. m.	5:00 p. m.	.02	.32	.47	.56	.66	.72	.78	.84	.87						
Aug. 19	6:15 a. m.	8:30 a. m.	1.66	6:49 a. m.	7:34 a. m.	.03	.13	.27	.40	.55	.68	.89	1.14	1.35	1.47					
Sept. 23	7:00 p. m.	8:10 p. m.	.59	7:31 p. m.	7:59 p. m.	.02	.08	.19	.25	.35	.47	.56								
Sept. 23	10:45 p. m.	[2] 12:30 p. m.	.02	11:04 p. m.	11:29 p. m.	.04	.08	.13	.21	.39	.49									
Norfolk, Va.:																				
Apr. 13	[2] 9:30 p. m.	6:00 a. m.	1.42	2:25 a. m.	2:33 a. m.	.14	.30	.37												
May 21	5:20 p. m.	7:00 p. m.	.54	6:10 p. m.	6:20 p. m.	.08	.19	.31												
June 15	5:55 p. m.	7:40 p. m.	1.37	6:14 p. m.	7:03 p. m.	.01	.08	.28	.45	.66	.91	.91	.93	1.08	1.23	1.32				
July 24	9:10 p. m.	[3] D.N. a. m.	1.07	9:15 p. m.	9:45 p. m.	.02	.05	.13	.25	.29	.39	.50								
Richmond, Va.:																				
Apr. 17	11:55 a. m.	2:55 p. m.	.54	12:25 p. m.	12:45 p. m.	.02	.10	.30	.40	.45										
May 21	12:40 p. m.	D.N. p. m.	1.76	4:19 p. m.	4:33 p. m.	.33	.15	.38	.51											
May 21	12:40 p. m.	D.N. p. m.	1.76	9:55 p. m.	10:14 p. m.	1.02	.26	.54	.67	.72										
June 3	3:50 p. m.	[3] D.N. a. m.	2.96	5:08 p. m.	5:56 p. m.	.02	.25	.92	1.53	1.88	2.07	2.18	2.25	2.31	2.39	2.43				
June 20	10:05 p. m.	[3] D.N. a. m.	.75	10:25 p. m.	10:35 p. m.	.01	.26	.35												
July 2	3:16 p. m.	3:50 p. m.	.57	3:32 p. m.	3:47 p. m.	.02	.15	.29	.55											
July 12	3:36 p. m.	4:30 p. m.	.90	3:36 p. m.	3:52 p. m.	0	.17	.50	.84	.87										
July 19	4:10 p. m.	5:45 p. m.	1.10	4:40 p. m.	5:11 p. m.	.01	.35	.43	.53	.74	.89	1.03	1.04							
July 19	7:28 p. m.	9:45 p. m.	.63	8:59 p. m.	9:19 p. m.	.14	.05	.18	.36	.44										
Aug. 6	2:10 p. m.	3:15 p. m.	.51	2:44 p. m.	3:01 p. m.	.03	.23	.35	.45	.47										
Aug. 6	6:40 p. m.	D.N. p. m.	.97	6:59 p. m.	7:30 p. m.	.02	.10	.30	.36	.47	.57	.74	.76							
Aug. 10	5:20 p. m.	7:30 p. m.	.43	5:35 p. m.	5:46 p. m.	.01	.23	.31	.33											
Aug. 17 [4]	7:40 p. m.	D.N. p. m.	1.02	8:11 p. m.	8:53 p. m.	.13	.11	.18	.26	.30	.40	.44	.61	.66	.68					
Aug. 27	11:35 a. m.	[3] 7:25 p. m.	2.94	12:39 p. m.	1:02 p. m.	.10	.10	.26	.53	.64	.71									
Aug. 28	[2] 11:35 a. m.	7:25 p. m.	2.94	11:37 a. m.	12:31 p. m.	1.76	.05	.10	.15	.20	.28	.38	.48	.55	.61	.72	.75			
Wytheville, Va.:																				
June 3	5:15 p. m.	10:15 p. m.	1.52	5:15 p. m.	6:06 p. m.	0	.10	.42	.65	.77	.92	1.04	1.09	1.12	1.21	1.30	1.33			
June 14	2:50 p. m.	3:10 p. m.	.56	2:53 p. m.	3:05 p. m.	.02	.25	.43	.50											
July 2	5:05 p. m.	5:40 p. m.	.86	5:05 p. m.	5:25 p. m.	0	.12	.49	.67	.83										
July 18	12:35 p. m.	2:55 p. m.	.85	1:28 p. m.	1:48 p. m.	.25	.14	.28	.46	.56										
Aug. 12	12:05 p. m.	1:55 p. m.	.71	12:10 p. m.	12:26 p. m.	.03	.16	.37	.49	.52										
Aug. 14	12:25 p. m.	2:00 p. m.	1.25	12:38 p. m.	1:40 p. m.	.01	.14	.29	.51	.71	.77	.77	.80	.85	.88	.91	1.16	1.24		
Aug. 18	11:50 a. m.	12:45 p. m.	1.05	12:10 p. m.	12:36 p. m.	.03	.19	.34	.50	.71	.94	.95								
Sept. 25	1:00 p. m.	4:35 p. m.	.90	1:02 p. m.	1:44 p. m.	.01	.05	.22	.31	.35	.48	.63	.68	.74	.78					
Sept. 27	6:10 p. m.	6:50 p. m.	.89	6:16 p. m.	6:45 p. m.	T.	.21	.29	.30	.31	.64	.89								
SOUTH ATLANTIC STATES.																				
Asheville, N. C.: [5]																				
July 19	3:10 p. m.	3:45 p. m.	.48	3:16 p. m.	3:29 p. m.	.01	.16	.29	.46											
Sept. 27	4:50 p. m.	7:30 p. m.	1.28	5:09 p. m.	5:49 p. m.	.09	.15	.36	.57	.72	.77	.80	.89	.98						
Charlotte, N. C.: [5]																				
Apr. 12	7:47 p. m.	10:40 p. m.	.86	9:27 p. m.	9:47 p. m.	.28	.11	.26	.38	.56										
June 20	5:52 p. m.	6:30 p. m.	.49	5:54 p. m.	6:08 p. m.	.01	.18	.41	.47											
Aug. 8	4:10 p. m.	5:50 p. m.	.81	4:13 p. m.	4:25 p. m.	.01	.41	.61	.66											
Aug. 9	9:12 a. m.	12:50 p. m.	1.00	10:55 a. m.	11:15 a. m.	.27	.12	.36	.58	.63										
Aug. 14	2:12 p. m.	3:55 p. m.	1.09	2:14 p. m.	2:46 p. m.	.01	.19	.46	.62	.86	.94	.98	1.04							
Aug. 19	2:02 p. m.	5:20 p. m.	.73	2:04 p. m.	2:24 p. m.	.01	.28	.44	.57	.63										
Sept. 16	8:53 p. m.	11:10 p. m.	.65	9:44 p. m.	10:06 p. m.	.02	.18	.32	.46	.53	.57									
Sept. 27	4:28 p. m.	8:50 p. m.	.86	6:21 p. m.	6:42 p. m.	.14	.10	.26	.38	.56	.58									

[2] On previous date. [3] On following date. [4] Defective record. [5] Only the more important storms recorded.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1-hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.																				
Hatteras, N. C.: [4]																				
Feb. 13	[2] 4:26 p.m.	7:40 a.m.	1.70	1:40 a.m.	2:22 a.m.	0.69	0.23	0.34	0.41	0.47	0.55	0.57	0.60	0.74	0.81					
Apr. 13	D.N.a.m.	D.N.a.m.	1.00	4:43 a.m.	4:53 a.m.	.54	.25	.44												
June 24	7:33 a.m.	10:51 a.m.	.99	8:28 a.m.	8:50 a.m.	T.	.19	.42	.64	.89	.92									
July 9	12 noon.	D.N.p.m.	1.34	12:35 p.m.	1:16 p.m.	.10	.16	.27	.44	.51	.61	.77	.84	.91	.94					
Aug. 2	4:18 p.m.	D.N.p.m.	1.78	7:30 p.m.	8:09 p.m.	.32	.06	.09	.17	.21	.31	.56	.75	.86						
Aug. 23	4:30 p.m.	5:26 p.m.	.62	4:33 p.m.	4:45 p.m.	.01	.22	.40	.46											
Sept. 23	D.N.a.m.	7:10 a.m.	2.18	4:21 a.m.	4:40 a.m.	.08	.13	.25	.46	.70										
Sept. 23	D.N.a.m.	7:10 a.m.	2.18	6:09 a.m.	6:40 a.m.	1.18	.19	.36	.69	.77	.85	.97	.99							
Sept. 30	12:22 p.m.	8:15 p.m.	2.04	12:51 p.m.	1:44 p.m.	.13	.10	.17	.22	.32	.53	.89	.95	1.02	1.04	1.12	1.25			
Dec. 8	4:12 p.m.	7:35 p.m.	.58	5:38 p.m.	5:50 p.m.	.05	.14	.38	.52											
Dec. 22	4:30 p.m.	[2] D.N.a.m.	1.01	7:38 p.m.	7:55 p.m.	.16	.09	.27	.69	.71										
Raleigh, N. C.: [5]																				
Apr. 21	D.N.a.m.	D.N.a.m.	.75	1:17 a.m.	1:27 a.m.	.05	.22	.57												
June 5	7:00 p.m.	9:20 p.m.	1.06	7:59 p.m.	8:18 p.m.	.03	.44	.52	.68	.76										
June 18	10:32 p.m.	11:30 p.m.	.66	10:48 p.m.	11:07 p.m.	.03	.20	.31	.46	.60										
June 20	9:05 p.m.	D.N.p.m.	.91	9:26 p.m.	9:52 p.m.	.01	.17	.29	.42	.65	.72	.77								
July 11	3:25 p.m.	3:58 p.m.	.62	3:32 p.m.	3:53 p.m.	.02	.12	.42	.50	.57	.60									
July 17-18	10:50 p.m.	12:15 a.m.	1.06	11:12 p.m.	12:01 a.m.	.01	.24	.43	.57	.64	.67	.72	.77	.88	1.00	1.05				
July 25	5:00 p.m.	5:40 p.m.	.72	5:03 p.m.	5:26 p.m.	.01	.09	.23	.44	.65	.71									
Aug. 9	1:08 p.m.	1:50 p.m.	.60	1:20 p.m.	1:34 p.m.	.04	.34	.49	.55											
Sept. 23	8:40 a.m.	10:45 a.m.	.86	9:27 a.m.	9:37 a.m.	.13	.23	.64												
Oct. 27	3:40 p.m.	8:20 p.m.	1.59	5:02 p.m.	5:27 p.m.	.12	.25	.37	.41	.46	.61									
Nov. 16	[2] D.N.p.m.	D.N.p.m.	3.93	6:24 p.m.	7:44 p.m.	2.42	.07	.11	.20	.29	.34	.37	.43	.54	.66	.75	.86	1.20		
Wilmington, N.C.: [5]																				
June 5	9:50 a.m.	1:00 p.m.	1.16	11:35 a.m.	11:57 a.m.	.46	.25	.38	.44	.54	.58									
June 19	6:55 p.m.	8:41 p.m.	.71	7:48 p.m.	8:00 p.m.	.14	.26	.50	.54											
Aug. 1	9:35 p.m.	D.N.p.m.	1.03	9:37 p.m.	10:17 p.m.	.01	.17	.31	.38	.46	.55	.61	.71	.88						
Aug. 20	5:35 p.m.	8:50 p.m.	1.46	6:13 p.m.	6:51 p.m.	.03	.23	.55	.78	.81	.87	1.08	1.27	1.34						
Sept. 3	D.N.a.m.	8:50 a.m.	2.60	4:34 a.m.	5:12 a.m.	.59	.13	.37	.65	.83	.98	1.11	1.20	1.27						
Sept. 5	2:32 p.m.	10:04 p.m.	2.88	4:57 p.m.	6:32 p.m.	.15	.14	.29	.39	.41	.42	.44	.57	.67	.76	.88	1.14	1.76	2.28	
Dec. 22	D.N.a.m.	6:59 p.m.	1.56	1:42 p.m.	1:57 p.m.	.63	.09	.38	.47											
Charleston, S. C.: [5]																				
Mar. 28	7:56 p.m.	9:15 p.m.	.47	7:58 p.m.	8:04 p.m.	.01	.40	.43												
Apr. 19	9:43 a.m.	11:35 a.m.	2.63	10:15 a.m.	11:17 a.m.	.18	.07	.15	.23	.50	.67	.89	1.05	1.18	1.27	1.77	2.37	2.45		
July 8	1:53 p.m.	4:20 p.m.	.76	1:57 p.m.	2:13 p.m.	.01	.21	.35	.59	.63										
July 9	4:29 p.m.	9:20 p.m.	1.19	4:37 p.m.	5:09 p.m.	.01	.13	.38	.78	.86	.87	.94	.98							
July 12	D.N.a.m.	7:10 a.m.	.99	4:18 a.m.	4:32 a.m.	.07	.14	.41	.47											
Aug. 27	1:25 p.m.	4:10 p.m.	1.09	2:40 p.m.	3:05 p.m.	.04	.30	.43	.47	.49	.60									
Sept. 8	11:00 a.m.	11:30 a.m.	.50	11:00 a.m.	11:15 a.m.	0	.12	.34	.49											
Sept. 8	9:22 p.m.	[2] D.N.a.m.	.86	9:28 p.m.	9:40 p.m.	.01	.23	.65	.70											
Sept. 15	D.N.a.m.	8:40 a.m.	3.13	4:43 a.m.	5:25 a.m.	.27	.26	.53	.85	1.23	1.58	1.88	2.15	2.27	2.31					
Columbia, S. C.: [5]																				
Mar. 12	6:08 p.m.	[2] D.N.a.m.	2.08	6:34 p.m.	7:18 p.m.	.02	.09	.23	.26	.36	.54	.65	.70	.78	.84					
June 4	1:50 p.m.	2:20 p.m.	.64	1:56 p.m.	2:11 p.m.	.01	.24	.45	.62											
July 15	2:43 p.m.	5:45 p.m.	.66	3:34 p.m.	3:54 p.m.	.03	.06	.27	.47	.57										
Aug. 13	7:30 p.m.	9:30 p.m.	.66	7:51 p.m.	8:16 p.m.	.03	.06	.19	.42	.50	.56									
Sept. 8	1:35 p.m.	3:00 p.m.	.84	1:44 p.m.	2:25 p.m.	.02	.14	.23	.36	.44	.50	.59	.68	.75	.80					
Sept. 29	2:00 p.m.	[2] 11:00 a.m.	2.32	2:18 p.m.	2:58 p.m.	.02	.16	.33	.39	.52	.76	1.04	1.32	1.42						
Greenville, S. C.: [5]																				
Apr. 12	3:10 p.m.	7:20 p.m.	1.27	5:39 p.m.	6:03 p.m.	.09	.25	.40	.67	1.00	1.06									
Apr. 20	5:30 p.m.	D.N.p.m.	1.90	8:53 p.m.	9:18 p.m.	.03	.16	.47	.87	1.21	1.35									
June 5	5:50 p.m.	6:45 p.m.	1.54	5:58 p.m.	6:35 p.m.	.01	.21	.52	.69	.83	1.10	1.33	1.49	1.53						
July 2	4:10 p.m.	6:30 p.m.	.90	4:20 p.m.	4:38 p.m.	.02	.12	.30	.56	.74										
July 16	2:28 p.m.	4:05 p.m.	.93	2:41 p.m.	3:07 p.m.	.06	.07	.20	.32	.61	.82	.83								
July 18	9:38 a.m.	12 noon.	1.41	10:58 a.m.	11:29 a.m.	.08	.29	.73	.89	1.05	1.14	1.25	1.28							
July 20	8:28 p.m.	10:30 p.m.	1.72	8:32 p.m.	9:07 p.m.	.02	.15	.45	.73	1.01	1.25	1.49	1.56							
Augusta, Ga.: [5]																				
Jan. 27	9:15 a.m.	[4] D.N.a.m.	1.24	12:02 p.m.	12:29 p.m.	.12	.07	.19	.29	.43	.57	.64								
Mar. 12	5:20 p.m.	[2] 6:00 a.m.	2.11	7:02 p.m.	7:40 p.m.	.15	.16	.20	.27	.33	.44	.60	.78	.91						
Mar. 28 [4]	4:10 p.m.	D.N.p.m.	1.88	6:15 p.m.	7:00 p.m.	.02	.12	.34	.79	1.07	1.11	1.12	1.13	1.21	1.54					
Mar. 29	D.N.a.m.	7:50 a.m.	.93	2:38 a.m.	2:52 a.m.	.01	.27	.53	.60											
Apr. 2	6:00 a.m.	9:40 a.m.	1.56	6:28 a.m.	6:45 a.m.	.04	.27	.53	.85	.92										
Apr. 12	7:50 p.m.	9:45 p.m.	.70	8:28 p.m.	8:48 p.m.	.03	.07	.16	.44	.66										
July 15	3:45 p.m.	6:00 p.m.	.94	4:03 p.m.	4:23 p.m.	.01	.16	.46	.62	.73										
July 18	8:30 p.m.	9:30 p.m.	.72	8:37 p.m.	8:53 p.m.	.04	.17	.39	.62	.67										
July 21	11:15 p.m.	6:00 p.m.	1.88	12 noon.	12:47 p.m.	.04	.06	.21	.47	.76	.99	1.19	1.33	1.44	1.52	1.57				
Aug. 27	3:20 p.m.	5:15 p.m.	2.00	3:29 p.m.	4:12 p.m.	.02	.08	.27	.60	.97	1.26	1.48	1.67	1.86	1.94					
Sept. 8	3:40 p.m.	6:00 p.m.	.80	4:32 p.m.	4:57 p.m.	.11	.22	.32	.42	.53	.62									
Sept. 29	11:45 a.m.	[2] 9:00 a.m.	4.03	11:51 a.m.	12:38 p.m.	.01	.05	.16	.26	.40	.52	.62	.92	1.14	1.20	1.24				
Sept. 29	11:45 a.m.	[2] 9:00 a.m.	4.03	1:50 p.m.	2:49 p.m.	1.41	.20	.36	.39	.41	.50	.56	.80	.94	1.06	1.20	1.39			
Savannah, Ga.: [5]																				
Feb. 11	8:22 a.m.	9:25 a.m.	.56	8:59 a.m.	9:07 a.m.	.09	.38	.47												
Apr. 3	3:52 p.m.	8:08 p.m.	1.41	4:24 p.m.	5:06 p.m.	.10	.24	.45	.52	.55	.61	.69	.84	.90	.93					
Apr. 4	D.N.a.m.	6:30 a.m.	.54	5:23 a.m.	5:31 a.m.	.03	.33	.46												
Apr. 27	8:40 p.m.	[2] D.N.a.m.	1.05	8:47 p.m.	8:53 p.m.	.01	.44	.48												
June 2	9:10 a.m.	10:25 a.m.	.65	9:29 a.m.	9:46 a.m.	.03	.18	.40	.51	.55										
June 17	4:30 p.m.	5:00 p.m.	.60	4:41 p.m.	4:52 p.m.	.01	.38	.55	.57											
June 19	7:00 p.m.	8:10 p.m.	.58	7:02 p.m.	7:15 p.m.	.01	.35	.46	.51											
June 23	5:00 p.m.	11:15 p.m.	2.14	6:05 p.m.	7:11 p.m.	.05	.11	.27	.34	.39	.45	.54	.71	.97	1.20	1.40	1.70	1.90		
July 10	12:50 p.m.	4:20 p.m.	1.30	1:13 p.m.	1:58 p.m.	.06	.26	.40	.50	.66	.77	.87	.94	1.02	1.07					
July 15	5:21 p.m.	6:18 p.m.	.84	5:26 p.m.	6:02 p.m.	.01	.12	.20	.45	.51	.54	.62	.74	.77						
July 19	12:58 p.m.	1:22 p.m.	.43	1:06 p.m.	1:13 p.m.	.02	.32	.42												
July 22	3:38 p.m.	7:25 p.m.	1.53	3:42 p.m.	4:24 p.m.	.01	.10	.22	.52	.71	.95	1.07	1.11	1.22	1.26					
Aug. 2	12:57 p.m.	2:56 p.m.	1.09	1:04 p.m.	1:33 p.m.	.02	.10	.29	.53	.68	.78	.84								
Aug. 27	8:52 p.m.	D.N.p.m.	1.13	9:19 p.m.	9:46 p.m.	.03	.10	.31	.49	.66	.79	.83								

[2] On previous date. [3] On following date. [4] Defective record. [5] Only the more important storms recorded.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.																				
Savannah, Ga.—Continued.																				
Aug. 29	4:05 p. m.	5:54 p. m.	0.83	4:34 p. m.	5:05 p. m.	0.01	0.17	0.35	0.47	0.59	0.69	0.75	0.77							
Sept. 4	3:40 p. m.	5:45 p. m.	1.12	3:40 p. m.	4:31 p. m.	0	.28	.31	.33	.38	.50	.53	.58	0.75	0.97	1.04	1.09			
Sept. 9	5:05 p. m.	6:15 p. m.	.59	5:35 p. m.	5:50 p. m.	.03	.18	.38	.55											
Nov. 11	12:45 a. m.	12:20 p. m.	2.74	7:13 a. m.	7:37 a. m.	1.53	.10	.27	.38	.52	.60									
Jacksonville, Fla.:[5]																				
May 18	12:23 p. m.	[2] D. N. a. m.	5.36	9:39 p. m.	11:19 p. m.	2.77	.10	.20	.34	.47	.57	.60	.66	.77	.88	.99	1.13	1.62	1.83	
June 7 [4]	8:00 a. m.	8:10 p. m.	4.60	8:18 a. m.	8:42 a. m.	.01	.16	.34	.49	.54	.59									
June 7 [4]	8:00 a. m.	8:10 p. m.	4.60	9:22 a. m.	9:48 a. m.	.65	.24	.43	.53	.72	.90	.93								
June 7 [4]	8:00 a. m.	8:10 p. m.	4.60	12:03 p. m.	2:00 p. m.	1.77	.17	.31	.43	.64	.84	.97	1.10	1.21	1.36	1.42	1.54	1.78	2.42	2.69
June 20 [4]	4:37 p. m.	5:20 p. m.	1.16	4:41 p. m.	5:13 p. m.	.02	.23	.56	.74	.77	.79	1.10	1.14							
July 16 [4]	7:40 p. m.	11:38 p. m.	.77	8:05 p. m.	8:16 p. m.	.02	.23	.48	.52											
July 22	11:32 a. m.	2:09 p. m.	.97	1:01 p. m.	1:42 p. m.	.27	.07	.27	.35	.35	.35	.39	.62	.68	.69					
July 26	3:02 p. m.	3:31 p. m.	.61	3:06 p. m.	3:18 p. m.	.01	.24	.51	.59											
Aug. 30	1:15 p. m.	2:41 p. m.	2.72	1:18 p. m.	2:06 p. m.	.01	.13	.52	.97	1.46	1.73	2.03	2.24	2.39	2.52	2.57				
Sept. 2	4:10 p. m.	8:20 p. m.	1.84	4:10 p. m.	5:11 p. m.	0	.14	.38	.64	.78	1.01	1.11	1.19	1.38	1.52	1.63	1.75	1.79		
Nov. 16	[3] 10:17 a. m.	1:30 p. m.	2.72	10:15 a. m.	11:19 a. m.	1.36	.06	.14	.21	.34	.41	.52	.62	.70	.84	.97	1.19	1.30		
FLORIDA PENINSULA.																				
Key West, Fla.:[5]																				
Feb. 18	5:20 p. m.	D. N. p. m.	1.07	6:47 p. m.	6:58 p. m.	.06	.27	.45	.49											
Apr. 9	D. N. a. m.	D. N. a. m.	.66	1:21 a. m.	1:31 a. m.	.01	.35	.52												
Apr. 16	5:55 p. m.	8:10 p. m.	1.01	6:00 p. m.	6:21 p. m.	.01	.22	.63	.78	.87	.89									
May 18	[2] D. N. p. m.	8:05 a. m.	1.72	3:43 a. m.	4:12 a. m.	.60	.12	.26	.43	.64	.82	1.00								
Aug. 5	8:15 p. m.	[2] D. N. a. m.	.90	8:18 p. m.	8:46 p. m.	.01	.26	.35	.43	.45	.68	.78								
Aug. 15	7:27 p. m.	10:20 p. m.	2.27	7:35 p. m.	8:17 p. m.	.01	.14	.27	.37	.53	1.02	1.51	1.90	2.11	2.16					
Aug. 27	9:30 a. m.	11:05 a. m.	.71	9:55 a. m.	10:13 a. m.	.06	.18	.30	.56	.64										
Sept. 16	8:52 a. m.	9:50 a. m.	.72	8:52 a. m.	9:33 a. m.	0	.07	.18	.22	.29	.32	.40	.55	.70	.72					
Sept. 24	8:29 a. m.	9:35 a. m.	.56	8:31 a. m.	8:42 a. m.	.01	28	.52	.55											
Sept. 24	9:11 p. m.	6:50 a. m.	3.01	9:31 p. m.	10:11 p. m.	.03	.20	.46	.57	.80	1.16	1.50	1.84	2.06						
Sept. 26	[2] 7:30 a. m.	6:35 p. m.	4.40	3:41 a. m.	4:07 a. m.	1.83	.09	.23	.38	.61	.74	.78								
Sept. 27	8:50 a. m.	9:55 a. m.	.84	9:23 a. m.	9:51 a. m.	.02	.14	.16	.36	.69	.77	.82								
Oct. 14	12:40 p. m.	2:20 p. m.	.99	1:05 p. m.	1:21 p. m.	.03	.40	.77	.92	.95										
Miami, Fla.:[5]																				
Apr. 12	5:11 p. m.	D. N. p. m.	1.30	7:43 p. m.	8:31 p. m.	.22	.32	.41	.43	.55	.63	.72	.82	.89	.94	1.00				
May 6	12:06 p. m.	1:08 p. m.	.78	12:17 p. m.	12:41 p. m.	.01	.09	.30	.50	.59	.71									
May 8	4:50 p. m.	5:27 p. m.	.63	5:14 p. m.	5:25 p. m.	.14	.27	.47	.49											
May 16	D. N. a. m.	10:35 a. m.	1.62	6:05 a. m.	6:50 a. m.	.04	.35	.62	.80	.89	.95	1.10	1.25	1.37	1.47					
May 18	[2] D. N. p. m.	2:25 p. m.	2.72	10:00 a. m.	10:22 a. m.	1.86	.13	.22	.33	.55	.61									
June 27	4:10 p. m.	5:07 p. m.	.67	4:34 p. m.	4:48 p. m.	.06	.26	.51	.60											
June 28	12:32 p. m.	2:50 p. m.	.83	12:35 p. m.	1:09 p. m.	.01	.13	.24	.35	.38	.47	.63	.73							
July 5	1:55 p. m.	7:15 p. m.	.77	2:45 p. m.	3:06 p. m.	.01	.19	.41	.53	.59	.63									
July 6	9:03 a. m.	11:47 a. m.	.78	9:31 a. m.	9:48 a. m.	.02	.17	.40	.52	.57										
July 6	12:10 p. m.	2:20 p. m.	.84	12:16 p. m.	12:38 p. m.	.01	.18	.37	.47	.59	.63									
July 23	9:29 p. m.	9:55 p. m.	.88	9:29 p. m.	9:49 p. m.	0	.16	.43	.65	.87										
July 28	10:55 a. m.	12:18 p. m.	.90	11:56 a. m.	12:11 p. m.	.22	.31	.48	.67											
Aug. 15	[2] D. N. p. m.	D. N. a. m.	.69	12:01 a. m.	12:12 a. m.	.20	.25	.42	.46											
Sept. 28	8:35 a. m.	10:45 a. m.	1.19	9:03 a. m.	10:02 a. m.	.02	.18	.38	.53	.66	.72	.73	.74	.74	.74	.82	1.13			
Nov. 27	5:26 p. m.	6:50 p. m.	1.78	5:30 p. m.	6:42 p. m.	.02	.13	.29	.25	.32	.42	.48	.49	.53	.57	.67	.86	1.76		
Tampa, Fla.:[5]																				
Feb. 18	D. N. a. m.	7:20 p. m.	2.57	12:42 p. m.	1:38 p. m.	1.16	.07	.28	.48	.61	.68	.76	.82	.92	1.03	1.12	1.26			
Apr. 9	3:38 p. m.	8:50 p. m.	.88	4:36 p. m.	4:57 p. m.	.06	.12	.25	.42	.54	.56									
Apr. 12	11:35 a. m.	4:15 p. m.	2.87	1:00 p. m.	2:01 p. m.	.07	.06	.15	.19	.26	.52	.82	1.06	1.40	1.69	1.88	2.55	2.61		
Apr. 16	9:13 a. m.	3:55 p. m.	2.02	12:22 p. m.	1:19 p. m.	.33	.14	.15	.30	.65	.84	.88	.94	1.01	1.15	1.23	1.33			
June 7	D. N. a. m.	1:30 p. m.	1.02	5:56 a. m.	6:16 a. m.	.01	.17	.36	.48	.53										
June 24	6:00 p. m.	7:30 p. m.	.73	6:12 p. m.	6:26 p. m.	.01	.18	.62	.70											
July 10	6:52 p. m.	8:40 p. m.	2.84	6:58 p. m.	8:03 p. m.	.01	.17	.40	.73	1.14	1.36	1.74	1.99	2.19	2.34	2.45	2.40	2.78		
July 17	5:30 p. m.	8:50 p. m.	1.22	6:09 p. m.	6:37 p. m.	.06	.16	.37	.64	.86	.93	.97								
July 19	5:35 p. m.	6:45 p. m.	1.29	5:40 p. m.	6:15 p. m.	.02	.07	.13	.38	.68	.90	1.08	1.15							
July 21	5:30 p. m.	D. N. p. m.	1.84	5:44 p. m.	6:21 p. m.	.03	.27	.80	1.05	1.12	1.17	1.21	1.26	1.30						
July 27	12:45 p. m.	6:25 p. m.	1.29	1:17 p. m.	1:56 p. m.	.20	.09	.12	.18	.23	.38	.59	.67	.75						
Aug. 8	3:20 p. m.	4:25 p. m.	.56	3:32 p. m.	3:46 p. m.	.03	.20	.41	.50											
Aug. 12	6:05 p. m.	6:45 p. m.	.88	6:12 p. m.	6:32 p. m.	.01	.07	.40	.76	.85										
Sept. 23	6:10 p. m.	9:05 p. m.	1.16	6:15 p. m.	6:33 p. m.	.01	.23	.48	.74	.86										
Sept. 30	D. N. a. m.	6:05 a. m.	.60	4:24 a. m.	4:40 a. m.	.06	.11	.22	.45	.51										
EAST GULF STATES.																				
Atlanta, Ga.:[5]																				
Jan. 23	3:15 p. m.	7:35 p. m.	1.03	5:30 p. m.	5:50 p. m.	.09	.09	.29	.48	.69										
Mar. 12	5:10 a. m.	5:55 p. m.	3.45	12:22 p. m.	12:49 p. m.	1.63	.09	.43	.93	1.10	1.17	1.20								
Mar. 17	[2] 4:35 p. m.	3:30 a. m.	1.46	2:43 a. m.	3:30 a. m.	.45	.14	.20	.26	.47	.70	.85	.91	.97	1.01					
Mar. 25	5:15 p. m.	D. N. p. m.	1.15	9:00 p. m.	9:49 p. m.	.10	.08	.14	.19	.25	.30	.35	.41	.70	.88	.95				
Mar. 28	11:45 a. m.	5:35 p. m.	1.10	3:47 p. m.	3:56 p. m.	.52	.21	.52												
Apr. 2	[2] 9:25 p. m.	D. N. a. m.	1.29	2:14 a. m.	2:29 a. m.	.52	.19	.38	.47											
May 2	3:28 p. m.	4:05 p. m.	.59	3:28 p. m.	3:53 p. m.	0	[6] .20	[6] .40	[6] .50	[6] .55	[6] .58									
July 10	2:47 p. m.	5:44 p. m.	1.46	2:49 p. m.	3:35 p. m.	.01	.08	.34	.61	.69	.87	1.02	1.13	1.19	1.28	1.29				
July 11	9:50 p. m.	D. N. p. m.	1.05	10:23 p. m.	10:56 p. m.	.16	.06	.19	.24	.31	.52	.72	.83							
July 18	11:48 a. m.	4:00 p. m.	1.30	12:41 p. m.	1:14 p. m.	.14	.22	.61	.80	.85	.87	1.07	1.14							
Aug. 9	1:55 p. m.	2:30 p. m.	1.08	2:05 p. m.	2:30 p. m.	.01	.22	.36	.66	.90	1.07									
Aug. 9	2:55 p. m.	3:25 p. m.	.64	3:00 p. m.	3:20 p. m.	.01	.21	.34	.59	.62										
Aug. 11	6:30 a. m.	10:32 a. m.	.90	10:02 a. m.	10:17 a. m.	.29	.16	.47	.56											

[1] On previous date. [2] On following date. [4] Defective record. [5] Only the more important storms recorded. [6] Estimated.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated. 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.																				
Atlanta, Ga.—Con.																				
Aug. 12	1:19 p.m.	1:58 p.m.	0.88	1:23 p.m.	1:56 p.m.	0.01	0.34	0.43	0.43	0.48	0.60	0.76	0.87	....	....	....	....	....	....	....
Aug. 15	2:53 p.m.	9:45 p.m.	2.07	2:53 p.m.	3:21 p.m.	0	.48	.98	1.20	1.45	1.69	1.76	....	....	....	....	....	....	....	....
Aug. 29	10:10 a.m.	11:05 a.m.	.73	10:35 a.m.	10:53 a.m.	.06	.27	.52	.61	.65	....	....	....	....	....	....	....	....	....	....
Sept. 6	11:13 a.m.	11:50 a.m.	.52	11:33 a.m.	11:46 a.m.	.01	.18	.40	.51	....	....	....	....	....	....	....	....	....	....	....
Sept. 8	9:50 a.m.	10:55 a.m.	.77	10:07 a.m.	10:26 a.m.	.01	.10	.37	.66	.69	....	....	....	....	....	....	....	....	....	....
Sept. 9	3:25 p.m.	5:05 p.m.	.63	3:36 p.m.	3:52 p.m.	.03	.13	.32	.49	.50	....	....	....	....	....	....	....	....	....	....
Leesburg, Ga.:[5]																				
Mar. 12	4:50 p.m.	D.N. p.m.	1.93	5:14 p.m.	6:34 p.m.	.01	.05	.10	.24	.39	.46	.49	.54	0.62	0.70	0.82	1.27	1.55	....	....
Mar. 29	D.N. a.m.	D.N. a.m.	2.85	3:13 a.m.	3:42 a.m.	.17	.12	1.22	1.68	2.14	2.41	2.68	....	....	....	....	....	....	....	....
Apr. 2	4:53 a.m.	7:20 a.m.	1.17	5:53 a.m.	6:25 a.m.	.34	.11	.26	.42	.49	.61	.73	.76	....	....	....	....	....	....	....
Apr. 4	[2] 9:50 p.m.	6:29 a.m.	1.60	5:53 a.m.	6:16 a.m.	.57	.22	.62	.81	.97	1.03	....	....	....	....	....	....	....	....	....
Apr. 27	7:06 a.m.	10:02 a.m.	1.32	8:51 a.m.	9:27 a.m.	.21	.06	.14	.35	.53	.80	.98	1.07	1.11	....	....	....	....	....	....
May 13	11:11 a.m.	2:50 p.m.	.99	11:14 a.m.	11:32 a.m.	.01	.15	.34	.54	.62	....	....	....	....	....	....	....	....	....	....
May 25	5:05 p.m.	8:00 p.m.	.78	6:36 p.m.	7:09 p.m.	.02	.23	.34	.43	.55	.62	.68	.73	....	....	....	....	....	....	....
July 17	9:40 p.m.	[3] D.N. a.m.	2.55	10:05 p.m.	11:47 p.m.	.01	(7)	(7)	(7)	(7)	(7)	.55	.74	.90	1.07	1.36	1.69	1.99	2.29	2.41
July 21	12:04 p.m.	2:15 p.m.	.79	12:07 p.m.	12:31 p.m.	.01	.33	.40	.46	.60	.75	....	....	....	....	....	....	....	....	....
Macon, Ga.:[5]																				
Mar. 28	6:35 p.m.	8:10 p.m.	1.38	6:47 p.m.	7:17 p.m.	.07	.17	.62	.89	.99	1.06	1.19	....	....	....	....	....	....	....	....
Apr. 2	5:00 a.m.	8:00 a.m.	.83	5:13 a.m.	5:27 a.m.	.01	.22	.40	.50	....	....	....	....	....	....	....	....	....	....	....
Apr. 22	6:26 p.m.	6:57 p.m.	.68	6:37 p.m.	6:56 p.m.	.02	.21	.28	.44	.66	....	....	....	....	....	....	....	....	....	....
Apr. 26	4:12 p.m.	7:20 p.m.	1.16	6:34 p.m.	6:57 p.m.	.14	.05	.20	.66	.90	.98	....	....	....	....	....	....	....	....	....
May 25	4:30 p.m.	6:00 p.m.	.76	5:00 p.m.	5:14 p.m.	.20	.18	.45	.55	....	....	....	....	....	....	....	....	....	....	....
June 5	3:30 p.m.	5:15 p.m.	1.07	4:11 p.m.	4:37 p.m.	.06	.16	.39	.64	.85	.97	1.00	....	....	....	....	....	....	....	....
July 10	5:47 p.m.	8:02 p.m.	.67	5:58 p.m.	6:15 p.m.	.02	.22	.39	.46	.51	....	....	....	....	....	....	....	....	....	....
Aug. 2	5:26 p.m.	9:10 p.m.	.93	5:52 p.m.	6:31 p.m.	.14	.08	.17	.25	.33	.38	.49	.61	.70	....	....	....	....	....	....
Aug. 6	12:05 p.m.	1:03 p.m.	.94	12:16 p.m.	12:44 p.m.	.01	.18	.41	.66	.79	.85	.89	....	....	....	....	....	....	....	....
Sept. 6	5:07 p.m.	6:06 p.m.	.87	5:22 p.m.	5:43 p.m.	.02	.24	.36	.66	.81	.84	....	....	....	....	....	....	....	....	....
Sept. 17	4:00 a.m.	5:00 a.m.	.91	4:08 a.m.	4:28 a.m.	.01	.17	.38	.63	.79	....	....	....	....	....	....	....	....	....	....
Sept. 29	1:48 p.m.	3:20 p.m.	1.54	2:10 p.m.	2:51 p.m.	.08	.31	.53	.76	.90	1.00	1.07	1.17	1.39	1.42	....	....	....	....	....
Dec. 22	11:13 a.m.	7:00 p.m.	1.59	1:15 p.m.	1:24 p.m.	.14	.39	.57	....	....	....	....	....	....	....	....	....	....	....	....
Thomasville, Ga.:[5]																				
Feb. 12	8:22 p.m.	D. N. p.m.	1.51	8:45 p.m.	8:57 p.m.	.05	.17	.71	.76	....	....	....	....	....	....	....	....	....	....	....
Mar. 12	9:15 p.m.	[3] D. N. a.m.	1.21	10:51 p.m.	11:50 p.m.	.14	.08	.23	.35	.48	.57	.58	.60	.64	.73	.81	1.00	....	....	....
Mar. 31	6:32 a.m.	9:18 a.m.	.77	7:01 a.m.	7:15 a.m.	.01	.14	.41	.49	....	....	....	....	....	....	....	....	....	....	....
Apr. 3	12:32 p.m.	5:42 p.m.	1.57	2:27 p.m.	2:48 p.m.	.19	.19	.35	.60	.72	.75	....	....	....	....	....	....	....	....	....
Apr. 27	4:28 p.m.	7:32 p.m.	.93	5:44 p.m.	6:04 p.m.	.04	.17	.49	.65	.75	....	....	....	....	....	....	....	....	....	....
Aug. 6	D. N. a.m.	7:34 a.m.	.92	6:21 a.m.	6:41 a.m.	.12	.09	.25	.53	.74	....	....	....	....	....	....	....	....	....	....
Sept. 2	3:44 p.m.	9:14 p.m.	1.76	4:38 p.m.	4:58 p.m.	.32	.11	.20	.42	.54	....	....	....	....	....	....	....	....	....	....
Sept. 7	5:25 p.m.	7:37 p.m.	1.09	6:21 p.m.	6:46 p.m.	.26	.25	.47	.60	.71	.77	....	....	....	....	....	....	....	....	....
Sept. 23	4:06 p.m.	8:32 p.m.	1.39	4:24 p.m.	5:09 p.m.	.02	.17	.26	.37	.48	.55	.68	1.02	1.13	1.24	....	....	....	....	....
Dec. 22	2:15 p.m.	10:22 p.m.	1.54	4:35 p.m.	5:25 p.m.	.28	.06	.17	.26	.36	.43	.48	.65	.74	.82	.95	....	....	....	....
Dec. 27	D. N. a.m.	11:38 a.m.	3.25	4:18 a.m.	5:21 a.m.	.18	.09	.22	.54	.89	1.00	1.16	1.26	1.37	1.45	1.49	1.69	1.77	....	....
Pensacola, Fla.:[5]																				
Apr. 16	2:50 a.m.	5:30 a.m.	1.23	2:55 a.m.	3:01 a.m.	.01	.42	.45	....	....	....	....	....	....	....	....	....	....	....	....
Apr. 16	2:50 a.m.	5:30 a.m.	1.23	3:58 a.m.	4:14 a.m.	.59	.19	.41	.56	.60	....	....	....	....	....	....	....	....	....	....
Apr. 26	4:30 p.m.	[2] 3:30 a.m.	3.99	9:32 p.m.	9:55 p.m.	.78	.11	.31	.39	.52	.57	....	....	....	....	....	....	....	....	....
Apr. 27	[2] 4:30 p.m.	3:30 a.m.	3.99	12:18 a.m.	1:13 a.m.	1.99	.15	.29	.55	.92	1.32	1.48	1.51	1.57	1.62	1.72	1.80	....	....	....
May 7	7:25 p.m.	9:30 p.m.	1.14	8:22 p.m.	8:50 p.m.	.09	.11	.34	.60	.82	.93	1.00	....	....	....	....	....	....	....	....
May 25	3:50 p.m.	5:00 p.m.	1.08	4:33 p.m.	4:55 p.m.	.08	.11	.33	.71	.94	.99	....	....	....	....	....	....	....	....	....
June 19	12:45 a.m.	2:30 a.m.	.76	2:06 a.m.	2:17 a.m.	.11	.18	.61	.64	....	....	....	....	....	....	....	....	....	....	....
July 11	3:30 a.m.	5:15 a.m.	.88	3:28 a.m.	3:45 a.m.	.03	.14	.32	.46	.61	....	....	....	....	....	....	....	....	....	....
July 19–20	10:30 p.m.	12:35 a.m.	.90	11:59 p.m.	12:15 a.m.	.38	.14	.39	.48	.50	....	....	....	....	....	....	....	....	....	....
Aug. 7	5:21 a.m.	1:50 p.m.	2.20	10:59 a.m.	11:13 a.m.	1.58	.19	.44	.52	....	....	....	....	....	....	....	....	....	....	....
Aug. 8	5:55 a.m.	7:25 a.m.	1.17	6:50 a.m.	7:21 a.m.	.25	.20	.37	.54	.67	.76	.88	.92	....	....	....	....	....	....	....
Aug. 8	7:56 a.m.	10:36 a.m.	1.63	8:40 a.m.	9:21 a.m.	.11	.19	.39	.56	.77	.85	.89	.96	1.05	1.08	....	....	....	....	....
Aug. 26	9:30 p.m.	[2] 1:45 a.m.	.99	10:28 p.m.	10:49 p.m.	.10	.07	.12	.38	.65	.68	....	....	....	....	....	....	....	....	....
Aug. 28	1:00 p.m.	1:45 p.m.	.49	1:06 p.m.	1:16 p.m.	.01	.24	.43	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 4	11:25 a.m.	1:40 p.m.	1.59	11:33 a.m.	12:40 p.m.	.05	.17	.38	.57	.68	.75	.78	.80	.87	.96	1.02	1.26	1.50	....	....
Sept. 5	10:12 a.m.	12:35 p.m.	1.77	10:57 a.m.	11:28 a.m.	.01	.27	.82	1.25	1.59	1.67	1.72	1.75	....	....	....	....	....	....	....
Sept. 22	7:30 a.m.	8:45 p.m.	3.15	12:58 p.m.	1:48 p.m.	.68	.13	.29	.38	.49	.44	.60	.66	.68	.73	.90	....	....	....	....
				1:48 p.m.	2:38 p.m.	....	1.05	1.19	1.28	1.38	1.45	1.50	1.52	1.53	1.56	1.66	....	....	....	....
				2:38 p.m.	3:07 p.m.	....	1.70	1.75	1.79	1.88	1.98	2.05	....	....	....	....	....	....	....	....
Sept. 23	D. N. a.m.	5:10 p.m.	4.20	10:16 a.m.	12:03 p.m.	1.07	.18	.34	.55	.69	.83	.89	.92	.99	1.04	1.05	1.10	1.33	2.26	2.56
Dec. 22	9:10 a.m.	1:35 p.m.	1.74	10:18 a.m.	11:24 a.m.	.03	.13	.42	.60	.69	.77	.91	1.04	1.11	1.22	1.28	1.46	1.57	....	....
Anniston, Ala.:[5]																				
Jan. 23	2:05 p.m.	5:38 p.m.	1.02	2:24 p.m.	2:55 p.m.	.01	.37	.49	.57	.62	.64	.74	.78	....	....	....	....	....	....	....
Mar. 19	5:24 a.m.	9:45 a.m.	1.30	5:57 a.m.	6:29 a.m.	.13	.09	.26	.43	.49	.56	.59	....	....	....	....	....	....	....	....
Apr. 1	1:23 p.m.	4:00 p.m.	.74	3:06 p.m.	3:37 p.m.	.06	.08	.19	.32	.40	.50	.63	.67	....	....	....	....	....	....	....
Apr. 1–2	[1] 11:00 p.m.	3:00 a.m.	1.22	11:52 p.m.	12:40 a.m.	.04	.12	.25	.31	.37	.41	.57	.67	.74	.87	.94	....	....	....	....
Apr. 20	2:29 p.m.	5:28 p.m.	1.64	2:30 p.m.	4:01 p.m.	.05	.08	.18	.32	.35	.45	.64	.79	.95	1.08	1.09	1.12	1.46	....	....
Apr. 20	9:41 p.m.	10:15 p.m.	.81	9:57 p.m.	10:10 p.m.	.06	.24	.59	.75	....	....	....	....	....	....	....	....	....	....	....
May 2	6:42 p.m.	9:00 p.m.	1.26	6:48 p.m.	7:52 p.m.	.02	.11	.25	.47	.51	.51	.51	.61	.66	.70	.77	.96	1.06	....	....
May 13	1:00 a.m.	9:45 a.m.	1.63	3:21 a.m.	3:57 a.m.	.04	.28	.48	.55	.61	.67	.70	....	....	....	....	....	....	....	....
June 5	12:05 a.m.	3:50 a.m.	.94	3:22 a.m.	3:38 a.m.	.35	.21	.41	.54	.57	....	....	....	....	....	....	....	....	....	....
June 18	1:25 p.m.	2:46 p.m.	.98	1:54 p.m.	2:10 p.m.	.03	.17	.58	.87	.89	....	....	....	....	....	....	....	....	....	....
Aug. 8	4:24 p.m.	5:20 p.m.	.60	4:30 p.m.	4:42 p.m.	.01	.26	.50	.54	....	....	....	....	....	....	....	....	....	....	....
Aug. 17	2:35 p.m.	9:30 p.m.	.88	2:50 p.m.	3:06 p.m.	.01	.14	.32	.46	.51	....	....	....	....	....	....	....	....	....	....
Sept. 2	5:49 p.m.	10:15 p.m.	2.65	6:07 p.m.	7:06 p.m.	.01	.09	.44	.88	1.20	1.38	1.60	1.72	1.84	1.93	2.04	2.14	....	....	....
Sept. 3	3:02 p.m.	3:35 p.m.	.66	3:02 p.m.	3:29 p.m.	0	.15	.20	.33	.52	.57	.65	....	....	....	....	....	....	....	....
Sept. 9	2:07 p.m.	3:05 p.m.	.85	2:12 p.m.	2:36 p.m.	.03	.19	.23	.43	.69	.78	....	....	....	....	....	....	....	....	....
Dec. 13	4:10 a.m.	7:10 p.m.	3.01	5:46 p.m.	6:09 p.m.	3.09	.14	.28	.44	.53	.65	....	....	....	....	....	....	....	....	....

[1] On previous date. [2] On following date. [3] Only the more important storms recorded. [7] No record.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
EAST GULF STATES—continued.																				
Birmingham, Ala.:[5]																				
Jan. 23	12:25 p.m.	3:04 p.m.	1.22	12:44 p.m.	1:10 p.m.	0.01	0.35	0.65	0.78	0.92	1.00	1.03								
Mar. 17	D. N. a.m.	12:17 p.m.	3.10	12:52 a.m.	1:48 a.m.	.02	.06	.12	.17	.24	.40	.57	0.89	0.94	0.98	1.12	1.28			
Mar. 28	7:03 a.m.	2:17 p.m.	.93	10:25 a.m.	10:55 a.m.	.02	.07	.10	.18	.31	.51	.78								
Apr. 1	10:24 a.m.	5:28 p.m.	1.82	12:00 m.	12:14 p.m.	.04	.26	.69	.87											
Apr. 1	8:12 p.m.	[2] D. N. a.m.	1.97	10:04 p.m.	11:06 p.m.	.39	.06	.19	.35	.49	.57	.63	.71	.83	.89	1.08	1.37	1.51		
Apr. 20	11:29 a.m.	4:27 p.m.	1.63	1:34 p.m.	2:06 p.m.	.06	.11	.36	.65	.92	1.22	1.30	1.33							
Apr. 22	3:26 p.m.	4:00 p.m.	.49	3:31 p.m.	3:41 p.m.	.01	.25	.47												
May 12	6:53 p.m.	9:47 p.m.	1.57	8:07 p.m.	8:55 p.m.	.12	.06	.14	.25	.37	.45	.54	.88	1.24	1.36	1.40				
May 13	D. N. a.m.	9:40 a.m.	2.37	4:23 a.m.	4:44 a.m.	1.07	.21	.25	.44	.53	.55									
July 6	11:30 p.m.	[2] 6:30 a.m.	.87	11:43 p.m.	11:58 p.m.	.01	.26	.43	.57											
July 10	10:55 a.m.	12:24 p.m.	.66	10:58 a.m.	11:09 a.m.	.01	.31	.51	.52											
July 13	4:59 p.m.	6:05 p.m.	.64	5:00 p.m.	5:26 p.m.	.01	.18	.31	.40	.49	.57	.60								
July 19	6:29 p.m.	7:54 p.m.	.51	6:34 p.m.	6:46 p.m.	.01	.20	.37	.47											
Aug. 8	2:07 p.m.	6:23 p.m.	.97	2:50 p.m.	3:33 p.m.	.07	.15	.30	.46	.53	[4] .61	[4] .66	[4] .70	[4] .73	[4] .81					
Aug. 10	D. N. a.m.	6:57 a.m.	1.19	5:22 a.m.	6:00 a.m.	.04	.26	.48	.62	.71	.78	.91	1.07	1.12						
Aug. 15	12:37 p.m.	1:31 p.m.	.63	12:39 p.m.	12:58 p.m.	.01	.12	.30	.52	.62										
Aug. 16	12:40 p.m.	2:31 p.m.	.95	12:40 p.m.	12:55 p.m.	0	.29	.71	.94											
Aug. 19	1:38 p.m.	3:01 p.m.	.50	2:21 p.m.	2:32 p.m.	.01	.30	.46	.49											
Aug. 20	3:08 p.m.	5:39 p.m.	2.97	3:14 p.m.	5:04 p.m.	.01	.17	.31	.53	.53	.53	.54	.54	.72	1.00	1.21	1.25	1.59	2.66	2.96
Sept. 2	2:23 p.m.	D. N. p.m.	2.73	2:32 p.m.	3:54 p.m.	.01	.12	.15	.22	.31	.49	.72	.90	.99	1.15	1.28	1.77	2.29	2.40	
Sept. 16	5:00 a.m.	6:15 a.m.	.65	5:30 a.m.	5:57 a.m.	.02	.05	.17	.41	.50	.58	.62								
Dec. 13	D. N. a.m	2:25 p.m.	3.68	1:15 p.m.	1:58 p.m.	2.18	.12	.24	.47	.59	.70	.88	1.15	1.36	1.46					
Mobile, Ala.:[5]																				
Jan. 6	9:01 a.m.	[2] D. N. a.m	3.39	10:23 p.m.	11:14 p.m.	.34	.09	.20	.38	.51	.68	.85	1.12	1.24	1.31	1.36	1.41			
Jan. 7	[2] 9:01 a.m.	D. N. a.m.	3.39	12:52 a.m.	1:21 a.m.	2.04	.06	.14	.29	.47	.60	.70								
Feb. 12	D. N. a.m.	5:45 p.m.	2.22	5:30 a.m.	6:03 a.m.	.10	.07	.16	.35	.40	.50	.63	.67							
Mar. 4	D. N. a.m.	8:20 a.m.	1.01	4:56 a.m.	5:13 a.m.	.14	.12	.35	.50	.53										
Apr. 9	D. N. a.m.	7:55 a.m.	2.48	4:40 a.m.	5:27 a.m.	.26	.30	.54	.61	.75	.90	1.10	1.25	1.39	1.54	1.59				
Apr. 16	D. N. a.m.	6:20 a.m.	1.44	2:32 a.m.	3:21 a.m.	.13	.25	.37	.44	.54	.66	.74	.80	.84	.89	.95				
May 5	5:17 p.m.	6:15 p.m.	.51	5:23 p.m.	5:32 p.m.	.01	.31	.50												
May 25	7:30 p.m.	9:45 p.m.	.88	8:17 p.m.	8:52 p.m.	.06	.17	.31	.51	.62	.63	.73	.78							
June 3	9:55 p.m.	[2] D. N. a.m	.85	11:29 p.m.	11:45 p.m.	.06	.27	.51	.69	.71										
June 4	7:02 a.m.	8:10 p.m.	1.72	11:01 a.m.	11:22 a.m.	.04	.10	.33	.62	.79	.82									
June 19	7:01 p.m.	D. N. p.m	2.66	8:15 p.m.	8:53 p.m.	.19	.29	.33	.47	.69	1.23	1.64	1.98	2.10						
July 10	2:09 p.m.	3:20 p.m.	.70	2:22 p.m.	2:40 p.m.	.04	.13	.41	.53	.64										
Aug. 27	5:55 a.m.	8:05 a.m.	.67	6:04 a.m.	6:35 a.m.	.01	.19	.33	.39	.45	.54	.64	.65							
Sept. 22	[2] 9:30 p.m.	4:05 p.m.	5.40	7:01 a.m.	7:37 a.m.	1.28	.11	.21	.38	.65	1.03	1.26	1.37	1.40						
Sept. 22	[2] 9:30 p.m.	4:05 p.m.	5.40	10:05 a.m.	11:16 a.m.	3.44	.21	.38	.44	.46	.50	.56	.59	.65	.68	.75	.96	1.18		
Oct. 24	8:10 a.m.	9:25 p.m.	4.20	2:06 p.m	3:05 p.m.	1.27	.10	.18	.23	.27	.28	.35	.54	.61	.67	.94	1.19			
Montgomery, Ala.:[5]																				
Jan. 9	[2] D. N. p.m.	D. N. a.m.	1.21	1:27 a.m.	2:11 a.m.	.11	.20	.33	.53	.65	.70	.71	.75	.83	.91					
Mar. 27	9:30 p.m.	D. N. p.m.	.59	9:42 p.m.	9:56 p.m.	.04	.16	.39	.50											
Apr. 2	D. N. a.m.	D. N. a.m.	2.20	1:28 a.m.	2:55 a.m.	.04	.10	.27	.64	.89	1.14	1.34	1.34	1.35	1.36	1.46	1.70	1.89	2.14	
Apr. 26	[3] 7:20 a.m.	8:25 a.m.	.43	7:58 a.m.	8:05 a.m.	.01	.39	.41												
May 3	8:50 a.m.	9:30 a.m.	.58	8:50 a.m.	9:03 a.m.	0	.16	.49	.53											
June 19	9:53 a.m.	10:10 a.m.	.45	9:56 a.m.	10:06 a.m.	.01	.30	.44												
June 19	1:10 p.m.	2:10 p.m.	.67	1:25 p.m.	1:42 p.m.	.01	.25	.28	.55	.66										
June 19-20	8:10 p.m.	D. N. a.m.	2.08	11:24 p.m.	12:07 a.m.	.52	.07	.15	.22	.39	.44	.60	.99	1.08	1.14					
July 22	2:30 a.m.	6:25 a.m.	1.22	4:50 a.m.	5:16 a.m.	.40	.12	.38	.54	.63	.69	.72								
July 23	2:10 p.m.	3:10 p.m.	.91	2:11 p.m.	2:44 p.m.	.01	.08	.22	.39	.53	.67	.77	.82							
Aug. 3	8:00 p.m.	9:30 p.m.	.66	8:13 p.m.	8:40 p.m.	.04	.11	.24	.34	.47	.57	.60								
Aug. 11	5:10 p.m.	D. N. p.m.	.86	5:26 p.m.	5:45 p.m.	.04	.34	.51	.65	.78										
Aug. 19	1:05 p.m.	3:45 p.m.	1.04	1:07 p.m.	1:25 p.m.	.01	.36	.64	.88	.95										
Aug. 22	6:12 p.m.	D. N. p.m.	.70	6:12 p.m.	6:22 p.m.	0	.27	.52												
Sept. 5	5:30 p.m.	6:40 p.m.	1.50	5:37 p.m.	6:27 p.m.	.06	.21	.68	.90	.96	.97	.97	1.00	1.03	1.20	1.44				
Sept. 23	12:20 p.m.	5:30 p.m.	1.94	1:38 p.m.	2:17 p.m.	.39	.15	.25	.34	.53	.81	.98	1.06	1.17						
Dec. 22	D. N. a.m.	12:15 p.m.	3.39	5:17 a.m.	5:34 a.m.	.25	.26	.73	.94	.97										
Dec. 22	D. N. a.m.	12:15 p.m.	3.39	6:56 a.m.	7:43 a.m.	1.69	.05	.13	.31	.35	.44	.54	.66	.74	.79	.85				
Meridian, Miss.:[5]																				
Jan. 8	7:20 p.m.	D. N. p.m.	1.05	8:28 p.m.	9:01 p.m.	.22	.15	.41	.43	.49	.59	.65	.69							
Mar. 16	2:00 p.m.	2:35 p.m.	.77	2:07 p.m.	2:23 p.m.	.04	.08	.23	.64	.73										
Mar. 25	9:25 a.m.	1:01 p.m.	2.02	11:20 a.m.	12 noon	.13	.27	.75	.99	1.17	1.37	1.50	1.67	1.80						
Mar. 28	D. N. a.m.	10:55 a.m.	1.14	9:09 a.m.	9:28 a.m.	.28	.32	.40	.49	.56										
Apr. 1	8:00 p.m.	D. N. p.m.	1.84	9:12 p.m.	10:23 p.m.	.06	.17	.25	.26	.31	.34	.37	.41	.56	.69	.74	1.30	1.77		
Apr. 20	9:20 a.m.	1:10 p.m.	2.57	10:55 a.m.	11:55 a.m.	.87	.24	.28	.44	.64	.67	.88	.94	1.04	1.20	1.42	1.56			
May 12	5:10 p.m.	7:00 p.m.	.91	5:20 p.m.	5:41 p.m.	.03	.12	.19	.44	.76	.84									
June 1	5:55 p.m.	D. N. p.m.	1.14	6:00 p.m.	6:28 p.m.	.01	.15	.35	.66	.80	.95	1.03								
June 4	1:05 p.m.	2:00 p.m.	.65	1:07 p.m.	1:22 p.m.	.01	.22	.40	.58											
July 5	9:00 a.m.	10:30 a.m.	1.25	9:31 a.m.	10:24 a.m.	.01	.15	.29	.35	.36	.42	.50	.71	.95	1.14	1.21	1.24			
July 5	11:05 a.m.	2:00 p.m.	1.71	12:15 p.m.	12:56 p.m.	.34	.15	.25	.40	.68	.97	1.12	1.18	1.25	1.29					
July 21	5:40 p.m.	7:15 p.m.	1.35	5:51 p.m.	6:35 p.m.	.04	.22	.40	.57	.71	.87	.99	1.07	1.22	1.26					
Aug. 8	2:50 p.m.	4:30 p.m.	1.59	2:51 p.m.	3:40 p.m.	.01	.21	.22	.22	.36	.69	.96	1.15	1.31	1.47	1.55				
Aug. 26	1:23 p.m.	4:10 p.m.	1.15	1:53 p.m.	2:15 p.m.	.01	.22	.40	.61	.77	.86									
Sept. 4	D. N. p.m.	[2] D. N. a.m.	1.66	10:37 p.m.	11:12 p.m.	.11	.24	.46	.58	.89	1.05	1.11	1.22							
Dec. 13	D. N. a.m.	D. N. a.m.	1.90	2:36 a.m.	3:27 a.m.	.25	.07	.10	.17	.26	.41	.44	.50	.73	.94	1.05	1.23	1.34		
Dec. 13	1:00 p.m.	4:00 p.m.	1.02	1:04 p.m.	1:21 p.m.	.01	.36	.56	.68	.72										
Dec. 21	9:40 p.m.	[2] 8:20 a.m.	3.40	9:52 p.m	10:24 p.m.	.03	.10	.35	.52	.72	.93	1.05	1.14	1.28	1.34					
Dec. 26	2:05 p.m.	D. N. p.m.	1.36	4:52 p.m.	5:10 p.m.	.12	.28	.43	.48	.53										
Vicksburg, Miss.:[5]																				
Jan. 8	1:45 p.m.	6:10 p.m.	1.01	3:43 p.m.	4:14 p.m.	.06	.28	.43	.53	.64	.73	.78	.81							
Mar. 19	3:40 a.m.	5:20 a.m.	.79	4:02 a.m.	4:11 a.m.	.02	.31	.62												
Apr. 1	8:15 a.m.	7:40 p.m.	3.65	3:31 p.m.	5:11 p.m.	.89	.10	.35	.56	.78	.94	1.01	1.10	1.15	1.23	1.27	1.40	2.09	2.29	
Apr. 8	6:54 p.m.	[2] 6:05 a.m.	2.24	10:07 p.m.	10:20 p.m.	.13	.09	.25	.50	.68	.74									
Apr. 26	[4] D. N. p.m.	D. N. a.m.	2.64	1:01 a.m.	2:29 a.m.	.42	.17	.24	.46	.50	.72	.90	1.00	1.18	1.24	1.29	1.58	1.89	2.04	
May 28	2:18 p.m.	3:25 p.m.	1.60	2:24 p.m.	2:51 p.m.	.03	.37	.72	1.11	1.31	1.47	1.53								
June 19	1:48 p.m.	3:50 p.m.	.92	2:25 p.m.	2:41 p.m.	.10	.34	.66	.72	.75										
July 5	D. N. a.m.	D. N. a.m.	1.08	2:13 a.m.	2:37 a.m.	.09	.15	.23	.38	.65	.80									

[1] On previous date. [2] On following date. [4] Defective record. [5] Only the more important storms recorded.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.																				
Vicksburg, Miss.—Continued.																				
July 18	5:10 p.m.	7:55 p.m.	1.10	5:23 p.m.	6:00 p.m.	0.01	0.18	0.32	0.33	0.40	0.47	0.64	0.97	1.01						
July 19	7:42 p.m.	12:50 p.m.	2.70	7:55 a.m.	8:38 a.m.	.03	.12	.27	.36	.51	.76	.98	1.31	1.59	1.80					
Aug. 13	11:04 a.m.	2:30 p.m.	.91	12:29 p.m.	1:07 p.m.	.06	.07	.35	.41	.44	.47	.65	.71	.77						
Aug. 27	D.N.a.m.	7:50 a.m.	2.14	5:16 a.m.	6:22 a.m.	.27	.12	.27	.47	.81	1.04	1.15	1.18	1.22	1.31	1.46	1.68	1.80		
Sept. 1	12:51 p.m.	2:10 p.m.	1.86	12:55 p.m.	1:26 p.m.	.01	.34	.76	1.03	1.50	1.71	1.79	1.83							
Sept. 2	7:45 p.m.	9:20 p.m.	.75	8:00 p.m.	8:25 p.m.	.01	.08	.39	.55	.63	.68									
New Orleans, La.:[5]																				
Feb. 28	4:12 p.m.	[2]D.N.a.m.	2.06	10:34 p.m.	11:01 p.m.	.61	.07	.11	.24	.47	.68	.72								
Mar. 12	9:18 a.m.	10:45 a.m.	1.17	9:20 a.m.	10:07 a.m.	.01	.10	.26	.31	.35	.41	.59	.76	.96	1.10	1.14				
Apr. 9	[2]D.N.p.m.	9:00 a.m.	5.44	12:06 a.m.	1:08 a.m.	.01	.27	.65	.96	17	1.44	1.62	1.84	2.59	2.97	3.22	3.66	3.77		
Apr. 9	[2]D.N.p.m.	9:00 a.m.	5.44	5:21 a.m.	6:11 a.m.	3.81	.09	.23	.37	.52	.68	.89	1.04	1.16	1.22	1.38				
Apr. 26	1:23 p.m.	7:34 p.m.	2.23	1:39 p.m.	2:34 p.m.	.07	.06	.21	.54	.82	.99	1.10	1.19	1.35	1.51	1.65	1.76			
May 11	5:32 a.m.	8:15 a.m.	.60	5:54 a.m.	6:09 a.m.	.02	.20	.40	.47											
May 16	9:23 a.m.	[2]D.N.a.m.	2.32	10:32 a.m.	11:10 a.m.	.11	.11	.21	.35	.42	.53	.60	.71	.77						
June 1	12:18 p.m.	4:15 p.m.	1.32	12:23 p.m.	12:48 p.m.	.01	.27	.72	1.04	1.15	1.23									
June 19	12:03 p.m.	[2]D.N.a.m.	3.93	4:25 p.m.	5:25 p.m.	.63	.06	.35	.71	1.24	1.47	1.65	1.79	2.02	2.16	2.28	2.48			
June 24	10:43 a.m.	12:39 p.m.	1.17	11:00 a.m.	11:35 a.m.	.02	.05	.11	.35	.53	.67	.86	1.02							
July 11	1:37 p.m.	3:22 p.m.	1.43	2:18 p.m.	3:02 p.m.	.03	.08	.11	.20	.36	.54	.81	1.07	1.29	1.38					
July 20	10:04 a.m.	10:55 a.m.	.63	10:10 a.m.	10:28 a.m.	.01	.06	.21	.54	.59										
July 21	11:51 p.m.	1:32 p.m.	1.06	12:30 p.m.	1:03 p.m.	.05	.19	.42	.56	.69	.81	.89	.93							
Aug. 7	11:30 a.m.	4:25 p.m.	.66	11:40 a.m.	11:46 a.m.	.01	.31	.41												
Aug. 11	10:24 a.m.	11:50 a.m.	.58	10:27 a.m.	10:42 a.m.	.01	.12	.36	.52											
Sept. 21	11:57 a.m.	1:40 p.m.	.71	12 noon.	12:21 p.m.	.01	.27	.43	.53	.64	.66									
Sept. 21	4:35 p.m.	[2]12:20 a.m.	2.55	6:40 p.m.	7:08 p.m.	.89	.12	.30	.39	.58	.69	.73								
Sept. 22	4:50 p.m.	5:47 p.m.	.71	5:10 p.m.	5:37 p.m.	.06	.06	.10	.23	.45	.57	.65								
Oct. 23	12:50 p.m.	1:25 p.m.	.62	1:01 p.m.	1:11 p.m.	.02	.29	.60												
Dec. 22	3:50 a.m.	7:40 a.m.	1.03	5:56 a.m.	6:26 a.m.	.10	.10	.34	.45	.56	.70	.76								
WEST GULF STATES.																				
Shreveport, La.:[5]																				
Mar. 3	8:20 p.m.	11:00 p.m.	1.18	9:34 p.m.	10:20 p.m.	.21	.11	.17	.24	.49	.52	.64	.73	.79	.85	.88				
Mar. 25	[2]7:20 p.m.	8:00 a.m.	.79	4:11 a.m.	4:23 a.m.	.15	.26	.58	.60											
Apr. 8	4:30 p.m.	4:48 p.m.	.61	4:32 p.m.	4:42 p.m.	.01	.30	.59												
Apr. 11	5:45 p.m.	9:20 p.m.	.89	7:07 p.m.	7:25 p.m.	.12	.22	.38	.56	.64										
May 6	12:35 a.m.	2:20 a.m.	1.01	12:37 a.m.	12:57 a.m.	.01	.32	.60	.76	.82										
May 7	12:35 a.m.	7:20 a.m.	1.32	12:37 a.m.	1:02 a.m.	.01	.14	.35	.49	.77	.94									
June 2	9:55 a.m.	4:45 p.m.	1.99	12:44 p.m.	1:01 p.m.	.45	.35	.55	.64	.69										
June 17	9:15 p.m.	[2]4:15 a.m.	2.10	9:59 p.m.	11:00 p.m.	.01	.08	.20	.34	.48	.77	.83	.86	.92	.99	1.03	1.16	1.22		
July 27	5:35 p.m.	7:40 p.m.	1.18	5:45 p.m.	6:23 p.m.	.01	.20	.39	.57	.72	.74	.81	.99	1.06						
Aug. 22	3:40 p.m.	7:40 p.m.	1.22	3:49 p.m.	4:20 p.m.	.01	.11	.28	.47	.64	.77	.87	.91							
Dec. 21	6:40 a.m.	4:20 p.m.	3.39	7:52 a.m.	9:36 a.m.	.03	.05	.13	.30	.36	.42	.52	.59	.64	.99	1.18	1.39	1.59	2.04	2.12
Bentonville, Ark.:[5]																				
Mar. 11	7:05 a.m.	10:25 a.m.	1.01	8:54 a.m.	9:10 a.m.	.43	.12	.38	.47											
Mar. 24	11:15 a.m.	[2]5:55 a.m.	2.02	11:19 p.m.	11:28 p.m.	.01	.33	.40												
Apr. 18	10:55 p.m.	11:50 p.m.	.64	11:22 p.m.	11:46 p.m.	.04	.09	.21	.37	.49	.60									
May 6	2:35 p.m.	4:25 p.m.	.59	3:03 p.m.	3:19 p.m.	.02	.26	.40	.50	.53										
May 20	3:30 a.m.	4:45 a.m.	1.04	4:07 a.m.	4:36 a.m.	.20	.19	.36	.51	.65	.76	.84								
May 29	11:40 a.m.	1:10 p.m.	1.19	12:17 p.m.	12:53 p.m.	.02	.11	.43	.54	.60	.67	.80	1.12	1.17						
June 16	7:45 p.m.	[2]2:15 a.m.	.98	9:41 p.m.	10:03 p.m.	.03	.20	.50	.66	.78	.87									
July 16	8:50 a.m.	2:20 p.m.	2.14	9:37 a.m.	10:45 a.m.	.03	.16	.35	.50	.72	.85	.87	.98	1.11	1.27	1.39	1.52	1.71		
Aug. 26	2:20 p.m.	4:50 p.m.	.75	2:31 p.m.	2:50 p.m.	.06	.12	.33	.47	.67										
Aug. 30	4:40 a.m.	8:30 a.m.	1.65	4:55 a.m.	5:27 a.m.	.02	.06	.18	.41	.80	1.17	1.25	1.36							
Fort Smith, Ark.:[5]																				
Mar. 31	4:02 p.m.	5:23 p.m.	.50	4:30 p.m.	4:39 p.m.	.01	.28	.47												
Sept. 6	11:06 a.m.	12:42 p.m.	.86	11:57 a.m.	12:22 p.m.	.06	.07	.18	.36	.59	.72									
Oct. 17	4:28 a.m.	12:27 p.m.	1.75	5:25 a.m.	6:30 a.m.	.03	.07	.18	.25	.39	.42	.47	.51	.60	.66	.78	1.13	1.37		
Little Rock, Ark.:[5]																				
Apr. 15	9:45 p.m.	[2]D.N.a.m.	1.59	10:32 p.m.	10:47 p.m.	.16	.25	.48	.68											
May 11	[2]8:40 p.m.	[2]D.N.a.m.	2.01	11:12 p.m.	11:45 p.m.	.11	.20	.31	.34	.41	.55	.62	.66							
May 16	4:30 p.m.	11:40 a.m.	2.99	12:22 a.m.	1:07 a.m.	.81	.10	.22	.35	.50	.68	.81	.92	1.07	1.16					
June 2	D.N.a.m.	D.N.a.m.	1.01	3:28 a.m.	3:59 a.m.	.35	.08	.21	.28	.37	.51	.64	.66							
Aug. 9	3:10 p.m.	4:45 p.m.	.67	3:36 p.m.	3:56 p.m.	.05	.13	.33	.49	.60										
Sept. 9	D.N.a.m.	7:15 a.m.	.74	4:53 a.m.	5:17 a.m.	.02	.12	.16	.39	.58	.63									
Corpus Christi, Tex.:[5]																				
May 14	8:57 a.m.	2:32 p.m.	1.37	9:18 a.m.	9:53 a.m.	.02	.11	.40	.67	.75	.85	.93	1.04							
May 16	D.N.a.m.	D.N.a.m.	2.14	2:07 a.m.	3:05 a.m.	.01	.13	.24	.39	.50	.54	.60	.78	1.11	1.38	1.55	1.67			
June 2 [4]	D.N.a.m.	4:16 a.m.	.75	2:35 a.m.	2:50 a.m.	.09	.11	.38	.55											
Oct. 24	D.N.a.m.	8:15 a.m.	1.07	3:10 a.m.	3:35 a.m.	.08	.11	.30	.48	.60	.70									
Dallas, Tex.:[5]																				
Mar. 24	8:35 p.m.	[2]3:45 a.m.	2.03	10:12 p.m.	10:37 p.m.	.17	.21	.41	.55	.83	.96									
Mar. 31	7:18 p.m.	8:45 p.m.	1.02	7:21 p.m.	8:20 p.m.	.01	.08	.21	.33	46	.52	.57	67	.72	.81	.84	.99			
Apr. 8	7:15 p.m.	8:50 p.m.	.84	8:02 p.m.	8:16 p.m.	.01	.24	53	.67											
May 4	10:30 p.m.	[2]1:25 a.m.	2.00	10:43 p.m.	11:07 p.m.	.02	.25	.97	1.54	1.78	1.88									
May 5	8:10 p.m.	11:03 p.m.	1.86	8:35 p.m.	9:10 p.m.	.03	.11	.37	.63	1.13	1.41	1.58	1.67							
May 10	[2]9:08 p.m.	4:55 a.m.	3.19	12:58 a.m.	1:22 a.m.	1.34	.06	.23	.47	.78	.88									
May 11	6:16 a.m.	10:22 a.m.	1.53	8:50 a.m.	9:45 a.m.	.17	.08	.12	.16	.30	.51	53	.54	.55	.60	1.04	1.35			
May 15	7:12 a.m.	2:37 p.m.	1.37	10:49 a.m.	11:45 a.m.	.29	.15	.22	.46	.59	.60	61	.63	.74	.77	.82	.98			
June 3	11:43 a.m.	5:15 p.m.	1.98	1:41 p.m.	2:26 p.m.	.13	.40	.67	.83	.92	1.08	1.26	1.45	1.58	1.63					
June 19	12:01 a.m.	11:00 a.m.	1.26	4:00 a.m.	4:15 a.m.	.09	.25	.42	.50											
Aug. 5	3:44 p.m.	5:52 p.m.	1.03	5:05 p.m.	5:38 p.m.	.01	.27	.62	.74	.85	.91	.96	1.00							
Aug. 24	4:57 p.m.	6:52 p.m.	1.57	5:19 p.m.	6:23 p.m.	.02	.13	.29	.62	.77	.93	1.07	1.17	1.26	1.31	1.34	1.48	1.55		
Oct. 13	9:45 p.m.	[2]12:20 a.m.	.98	11:28 p.m.	11:52 p.m.	.34	.12	.32	.40	.57	.62									

[2] On previous date. [3] On following date. [4] Defective record. [5] Only the more important storms recorded.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
WEST GULF STATES—continued.																				
Fort Worth, Tex.:[5]																				
Mar. 24	[2] 8:10 p. m.	2:49 p. m.	2.24	11:46 a. m.	1:00 p. m.	0.17	0.12	0.21	0.33	0.60	0.79	1.04	1.14	1.29	1.41	1.52	1.70	2.05	....	....
Mar. 24	7:15 p. m.	[3] 4:45. a m.	2.09	9:03 p. m.	9:44 p. m.	.17	.10	.17	.37	.43	.50	.57	.67	.93	.97	....	....	....	....	....
May 4	9:24 p. m.	[2] D.N.a. m.	2.10	10:07 p. m.	10:42 p. m.	.01	.28	.64	1.09	1.32	1.45	1.54	1.63	....	....	....	....	....	....	....
May 9	6:26 p. m.	[3] 9:34 a. m.	2.18	8:06 p. m.	8:26 p. m.	.01	.06	.22	.45	.55	....	....	....	....	....	....	....	....	....	....
June 19	[2] 11:14 p.m.	8:40 a. m.	1.50	4:14 a. m.	4:33 a. m.	.10	.22	.56	.94	1.01	....	....	....	....	....	....	....	....	....	....
July 18	2:34 a. m.	5:39 a. m.	.91	4:31 a. m.	5:02 a. m.	.05	.06	.26	.33	.44	.61	.76	.80	....	....	....	....	....	....	....
July 20	12:51 p. m.	4:30 p. m.	1.10	1:00 p. m.	1:19 p. m.	.02	.50	.74	.90	.98	....	....	....	....	....	....	....	....	....	....
Aug. 9	10:53 p. m.	[3] 7:15 a. m.	.97	10:55 p. m.	11:15 p. m.	.01	.10	.41	.65	.73	....	....	....	....	....	....	....	....	....	....
Sept. 7	9:24 p. m.	11:01 p. m.	.48	9:57 p. m.	10:09 p. m.	.01	.22	.45	.47	....	....	....	....	....	....	....	....	....	....	....
Oct. 21	3:32 p. m.	5:41 p. m.	2.04	3:40 p. m.	3:59 p. m.	.04	.18	.46	.66	.90	....	....	....	....	....	....	....	....	....	....
Oct. 21	3:32 p. m.	5:41 p. m.	2.04	4:52 p. m.	5:11 p. m.	1.07	.13	.49	.80	.87	....	....	....	....	....	....	....	....	....	....
Galveston, Tex.:[5]																				
Jan. 23	7:30 p. m.	[2] D.N.a. m.	1.63	9:18 p. m.	9:36 p. m.	.60	.22	.49	.63	.72	....	....	....	....	....	....	....	....	....	....
May 16	D.N.a. m.	7:53 a. m.	2.35	2:37 a. m.	3:15 a. m.	.02	.19	.49	.71	.87	1.17	1.33	1.46	1.52	....	....	....	....	....	....
June 2	7:30 a. m.	5:00 p. m.	3.04	9:34 a. m.	10:28 a. m.	.78	.08	.13	.22	.26	.30	.42	.56	.81	1.00	1.14	1.26	....	....	....
June 3	11:31 a. m.	2:00 p. m.	.92	12:27 p. m.	12:58 p. m.	.01	.08	.21	.30	.44	.56	.67	.73	....	....	....	....	....	....	....
June 11	12:25 p. m.	1:45 p. m.	.72	1:12 p. m.	1:26 p. m.	.04	.18	.38	.60	....	....	....	....	....	....	....	....	....	....	....
July 15	6:53 a. m.	8:35 a. m.	.70	6:58 a. m.	7:12 a. m.	.01	.26	.53	.68	....	....	....	....	....	....	....	....	....	....	....
Sept. 3	D.N.a. m.	D.N.a. m.	.85	1:10 a. m.	1:24 a. m.	.05	.20	.43	.50	....	....	....	....	....	....	....	....	....	....	....
Oct. 15	6:40 a. m.	6:54 p. m.	2.22	6:59 a. m.	7:14 a. m.	.01	.24	.51	.63	....	....	....	....	....	....	....	....	....	....	....
Oct. 22	D.N.a. m.	8:05 a. m.	3.31	4:53 a. m.	6:23 a. m.	.03	.08	.31	.69	1.07	1.48	1.79	1.98	2.18	2.29	2.44	2.66	2.95	3.17	....
Nov. 1	5:17 p. m.	6:39 p. m.	.68	5:22 p. m.	5:41 p. m.	.01	.21	.35	.45	.53	....	....	....	....	....	....	....	....	....	....
Nov. 26	10:45 a. m.	4:05 p. m.	1.57	3:08 p. m.	3:18 p. m.	.92	.30	.49	....	....	....	....	....	....	....	....	....	....	....	....
Dec. 4	D.N.a. m.	D.N.a. m.	.85	4:26 a. m.	4:42 a. m.	.11	.18	.49	.66	.69	....	....	....	....	....	....	....	....	....	....
Dec. 6	[2] 6:32 p. m.	6:37 a. m.	3.39	12:08 a. m.	1:28 a. m.	1.27	.10	.23	.33	.39	.46	.52	.72	.82	1.02	1.15	1.25	1.71	....	....
Groesbeck, Tex.:[5]																				
Apr. 25	2:00 p. m.	7:10 p. m.	1.73	2:35 p. m.	3:08 p. m.	.02	.08	.13	.26	.67	1.03	1.08	1.13	....	....	....	....	....	....	....
May 27	9:28 a. m.	11:35 a. m.	1.14	9:52 a. m.	10:21 a. m.	.01	.14	.37	.57	.82	.89	.96	....	....	....	....	....	....	....	....
Aug. 6	12:05 a. m.	12:10 p. m.	2.32	6:28 a. m.	6:45 a. m.	.32	.19	.48	.64	.69	....	....	....	....	....	....	....	....	....	....
Aug. 6	12:05 a. m.	12:10 p. m.	2.32	7:24 a. m.	7:55 a. m.	1.22	.07	.22	.40	.48	.62	.69	.73	....	....	....	....	....	....	....
Aug. 16	3:24 p. m.	10:30 p. m.	1.49	4:06 p. m.	4:35 p. m.	.20	.21	.38	.63	.80	.85	.91	....	....	....	....	....	....	....	....
Aug. 27	7:40 p. m.	8:25 p. m.	1.20	7:46 p. m.	8:06 p. m.	.02	.37	.74	1.04	1.16	....	....	....	....	....	....	....	....	....	....
Sept. 2	D.N.a. m.	5:48 a. m.	1.50	2:25 a. m.	3:03 a. m.	.03	.19	.39	.65	.82	.91	1.01	1.11	118	....	....	....	....	....	....
Sept. 6	6:30 p. m.	[2] D.N.a. m.	1.76	8:07 p. m.	8:32 p. m.	.30	.15	.26	.46	.62	.77	....	....	....	....	....	....	....	....	....
Oct. 14	9:08 p. m.	11:30 p. m.	1.06	10:44 p. m.	11:11 p. m.	.11	.25	.62	.71	.81	.88	.94	....	....	....	....	....	....	....	....
Oct. 21	3:18 p. m.	5:45 p. m.	1.45	3:30 p. m.	3:43 p. m.	.05	.10	.43	.51	....	....	....	....	....	....	....	....	....	....	....
Oct. 21	3:18 p. m.	5:45 p. m.	1.45	4:12 p. m.	4:33 p. m.	.62	.13	.36	.50	.67	.72	....	....	....	....	....	....	....	....	....
Houston, Tex.:[5]																				
Jan. 23	3:25 p. m.	[2] 1:00 p. m.	4.48	5:53 p. m.	6:35 p. m.	.84	.10	.33	.40	.43	.46	.54	.62	.77	.81	....	....	....	....	....
Mar. 3	10:35 p. m.	11:55 p. m.	.93	10:49 p. m.	11:10 p. m.	.01	.15	.38	.65	.77	.79	....	....	....	....	....	....	....	....	....
May 16	[2] 10:00 p. m.	6:20 a. m.	2.35	12:13 a. m.	12:57 a. m.	.05	.15	.41	.71	.90	.99	1.12	1.25	1.37	1.43	....	....	....	....	....
May 26	8:15 p. m.	9:06 p. m.	.60	8:26 p. m.	8:43 p. m.	.02	.12	.30	.52	.56	....	....	....	....	....	....	....	....	....	....
June 1	11:29 a. m.	4:36 p. m.	1.32	12:10 p. m.	12:21 p. m.	.07	.36	.59	.61	....	....	....	....	....	....	....	....	....	....	....
July 2	2:04 p. m.	2:58 p. m.	1.03	2:04 p. m.	2:40 p. m.	0	.20	.55	.65	.70	.82	.89	.98	1.01	....	....	....	....	....	....
July 13	10:28 a. m.	11:21 a. m.	.80	10:35 a. m.	10:46 a. m.	.01	.30	.59	.60	....	....	....	....	....	....	....	....	....	....	....
July 22	6:45 p. m.	7:50 p. m.	1.10	6:47 p. m.	7:14 p. m.	.01	.18	.28	.54	.79	.98	1.02	....	....	....	....	....	....	....	....
Aug. 5	3:40 p. m.	4:45 p. m.	.95	3:40 p. m.	4:19 p. m.	0	.09	.17	.30	.46	.62	.76	.85	.91	....	....	....	....	....	....
Aug. 8	11:21 a. m.	12:28 p. m.	1.66	11:26 a. m.	12:06 p. m.	.01	.22	.51	.77	.99	1.19	1.41	1.51	1.61	....	....	....	....	....	....
Aug. 16	4:27 p. m.	5:40 p. m.	1.20	4:30 p. m.	4:57 p. m.	.01	.23	.52	.73	.93	1.05	1.09	....	....	....	....	....	....	....	....
Aug. 20	2:55 p. m.	5:15 p. m.	1.80	3:06 p. m.	4:26 p. m.	.01	.27	.48	.61	.72	.75	.85	.97	1.13	1.25	1.43	1.49	1.74	....	....
Aug. 23	3:55 p. m.	5:30 p. m.	1.30	4:06 p. m.	4:55 p. m.	.01	.12	.23	.28	.41	.73	.94	1.09	1.16	1.21	1.25	....	....	....	....
Aug. 24	3:05 p. m.	9:45 p. m.	2.48	3:55 p. m.	5:41 p. m.	.04	.09	.19	.25	.36	.53	.68	.81	.90	.98	1.05	1.18	1.41	1.79	1.95
Sept. 2	5:35 a. m.	12:10 p. m.	1.68	5:37 a. m.	6:37 a. m.	.01	.24	.39	.55	.68	.78	.96	1.08	1.15	1.21	1.33	1.54	....	....	....
Sept. 25	1:33 p. m.	4:50 p. m.	2.02	1:49 p. m.	2:26 p. m.	.01	.27	.61	.79	.91	1.07	1.27	1.43	1.49	....	....	....	....	....	....
Oct. 15	3:15 a. m.	8:50 a. m.	1.83	4:12 a. m.	5:11 a. m.	.03	.18	.29	.40	.58	.80	.97	1.15	1.26	1.36	1.40	1.52	....	....	....
Oct. 22	[2] 4:25 p. m.	6:20 a. m.	2.61	1:46 a. m.	2:48 a. m.	.28	.16	.32	.50	.78	1.10	1.31	1.35	1.36	1.48	1.64	1.76	1.80	....	....
Oct. 23	1:48 p. m.	4:45 p. m.	2.73	1:50 p. m.	2:28 p. m.	.01	.24	.78	1.26	1.75	2.10	2.30	2.47	2.57	....	....	....	....	....	....
Nov. 1	9:57 a. m.	10:55 a. m.	.84	9:57 a. m.	10:23 a. m.	0	.09	.15	.44	.64	.79	.84	....	....	....	....	....	....	....	....
Nov. 1	12:05 p. m.	4:15 p. m.	2.36	1:42 p. m.	2:57 p. m.	.35	.20	.26	.27	.36	.45	.46	.67	1.04	1.35	1.38	1.73	1.95	....	....
Palestine, Tex.:[5]																				
Jan. 23	[2] D.N.p. m.	6:10 a. m.	2.16	1:39 a. m.	2:59 a. m.	.13	.29	.47	.57	.69	.75	.87	1.00	1.08	1.15	1.36	1.50	1.79	....	....
Mar. 25	[2] 9:10 p. m.	D.N.a. m.	.96	1:26 a. m.	1:43 a. m.	.24	.13	.29	.50	.60	....	....	....	....	....	....	....	....	....	....
June 2	1:06 p. m.	4:25 p. m.	1.08	1:51 p. m.	2:20 p. m.	.16	.12	.37	.49	.59	.67	.72	....	....	....	....	....	....	....	....
July 20	10:35 a. m.	2:38 p. m.	1.63	10:48 a. m.	11:40 a. m.	.04	.09	.29	.45	.53	.62	.69	.77	.87	1.02	1.27	1.32	....	....	....
July 30	3:00 p. m.	5:50 p. m.	.77	3:02 p. m.	3:37 p. m.	.01	.08	.16	.29	.36	.47	.62	.68	....	....	....	....	....	....	....
Aug. 8	6:35 p. m.	7:50 p. m.	1.41	6:40 p. m.	7:18 p. m.	.01	.07	.23	.41	.76	.99	1.16	1.27	1.33	....	....	....	....	....	....
Aug. 12	2:42 p. m.	3:45 p. m.	.70	2:57 p. m.	3:18 p. m.	.01	.05	.32	.51	.63	.67	....	....	....	....	....	....	....	....	....
Aug. 24	1:08 p. m.	5:05 p. m.	1.66	1:16 p. m.	1:56 p. m.	.01	.22	.50	.78	1.00	1.10	1.36	1.48	1.54	....	....	....	....	....	....
Aug. 26	2:57 p. m.	5:10 p. m.	.91	2:59 p. m.	3:27 p. m.	.01	.16	.22	.28	.39	.70	.76	....	....	....	....	....	....	....	....
Sept. 6	6:30 p. m.	[2] D.N.a.m.	2.58	6:33 p. m.	6:45 p. m.	.01	.32	.71	.73	....	....	....	....	....	....	....	....	....	....	....
Sept. 6	6:30 p. m.	[2] D.N.a. m.	2.58	7:30 p. m.	8:05 p. m.	.79	.24	.45	.51	.53	.67	.86	.99	....	....	....	....	....	....	....
Dec. 21	D.N.a. m.	12:05 p. m.	1.87	5:17 a. m.	5:39 a. m.	.04	.09	.22	.39	.57	.65	....	....	....	....	....	....	....	....	....
Port Arthur, Tex.:[5]																				
Jan. 23	7:40 p. m.	[2] D.N.a. m.	3.25	8:25 p. m.	9:13 p. m.	.03	.09	.35	.54	.73	.94	1.15	1.26	1.33	1.41	1.48	....	....	....	....
Feb. 28	8:25 p. m.	D.N.p.m.	.69	8:43 p. m.	8:52 p. m.	.05	.43	.53	....	....	....	....	....	....	....	....	....	....	....	....
Mar. 3-4	11:45 p. m.	D.N.a. m.	.79	11:47 p. m.	12:16 a. m.	.01	.18	.29	.39	.51	.57	.65	....	....	....	....	....	....	....	....
May 16	D.N.a. m.	9:30 a. m.	2.23	4:49 a. m.	5:31 a. m.	.33	.08	.15	.42	.72	1.08	1.32	1.48	1.60	1.63	....	....	....	....	....
May 25	4:03 p. m.	6:20 p. m.	1.53	4:41 p. m.	5:38 p. m.	.09	.14	.35	.58	.76	.82	.94	.97	1.01	1.06	1.19	1.38	....	....	....
May 28	11:39 a. m.	12:45 p. m.	1.26	12:05 p. m.	12:31 p. m.	.03	.14	.43	.68	1.20	1.23	....	....	....	....	....	....	....	....	....
June 2	D.N. a. m.	5:20 p. m.	6.82	3:09 a. m.	3:59 a. m.	.02	.16	.52	1.04	1.34	1.49	1.63	1.76	1.89	1.97	2.02	....	....	....	....
				3:59 a. m.	4:49 a. m.	....	2.07	2.10	2.15	2.19	2.52	2.58	2.59	2.60	2.66	2.68	....	....	....	....
				4:49 a. m.	5:39 a. m.	....	2.69	2.76	2.85	2.98	3.11	3.15	3.27	3.36	3.43	3.46	....	....	....	....
				5:39 a. m.	6:00 a. m.	....	3.03	3.73	3.87	3.88	....	....	....	....	....	....	....	....	....	....
June 2	D.N.a. m.	5:20 p. m.	6.82	2:09 p. m.	2:38 p. m.	5.92	.08	.28	.42	.50	.56	.82	....	....	....	....	....	....	....	....
June 4	1:52 p. m.	3:45 p. m.	.85	3:06 p. m.	3:29 p. m.	.19	.16	.30	.45	.59	.63	....	....	....	....	....	....	....	....	....
July 4	10:18 a. m.	12:30 p. m.	1.65	10:21 a. m.	11:15 a. m.	.03	.07	.31	.40	.51	.93	.99	1.01	1.07	1.20	1.31	1.41	....	....	....

[1] On previous date. [2] On following date. [3] Defective record. [4] Only more important storms recorded.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive rate began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
WEST GULF STATES—continued.																				
Port Arthur, Tex.—Continued.																				
July 22	6:40 p. m.	7:20 p. m.	0.55	6:47 p. m.	6:59 p. m.	0.01	0.15	0.45	0.54											
July 31	9:25 a. m.	11:50 a. m.	1.52	9:55 a. m.	10:49 a. m.	.05	.07	.25	.42	0.52	0.59	0.64	0.87	1.13	1.24	1.33	1.41			
Aug. 12	1:25 p. m.	2:40 p. m.	1.86	1:42 p. m.	2:23 p. m.	.01	.37	.78	.95	1.15	1.36	1.52	1.67	1.79	1.85					
Sept. 4	7:45 p. m.	8:45 p. m.	.74	7:48 p. m.	8:06 p. m.	.01	.28	.45	.54	.60										
Sept. 29	7:35 a. m.	10:00 a. m.	.93	8:20 a. m.	8:50 a. m.	.08	.09	.27	.43	.57	.66	.75								
Oct. 25-26	3:45 p. m.	D. N. a. m.	1.75	11:01 p. m.	12:15 a. m.	.23	.12	.22	.39	.61	.72	.76	.90	1.06	1.17	1.24	1.28	1.51		
Dec. 4	D. N. a. m.	D. N. a. m.	.89	5:13 a. m.	5:33 a. m.	.13	.26	.53	.62	.72										
San Antonio, Tex.:[5]																				
Apr. 26	3:48 a. m.	5:10 a. m.	.64	3:48 a. m.	3:59 a. m.	0	.24	.42	.45											
May 13	9:43 p. m.	[2] 1:48 a. m.	1.82	9:51 p. m.	11:08 p. m.	.08	.08	.16	.24	.20	.27	.33	.40	.47	.50	.57	.77	1.36		
Oct. 14	7:27 p. m.	8:50 p. m.	1.16	7:46 p. m.	8:27 p. m.	.01	.05	.13	.36	.73	.78	.83	.96	1.05	1.11					
Oct. 25	6:17 a. m.	12:35 p. m.	1.09	8:19 a. m.	8:34 a. m.	.09	.28	.43	.49											
Taylor, Tex.:[5]																				
May 10	7:26 a. m.	9:30 a. m.	1.39	7:27 a. m.	7:56 a. m.	T.	.19	.43	.56	.71	.84	.89								
May 13	8:25 p. m.	[3] 7:50 a. m.	1.42	11:37 p. m.	11:57 p. m.	.09	.07	.28	.53	.60										
May 15	6:10 p. m.	8:45 p. m.	1.85	6:28 p. m.	7:33 p. m.	.04	.06	.09	.15	.25	.33	.46	.51	.64	.80	1.10	1.64	1.77		
June 3	3:50 p. m.	6:45 p. m.	.70	4:47 p. m.	5:03 p. m.	.01	.10	.37	.55	.59										
June 18	2:15 a. m.	5:55 a. m.	2.11	2:25 a. m.	4:16 a. m.	.01	.07	.18	.32	.39	.58	.77	.87	.90	.92	.95	1.01	1.19	1.72	1.96
July 4	8:30 p. m.	[4] D. N. a. m.	1.95	9:31 p. m.	11:18 p. m.	.02	.11	.37	.51	.63	.70	.79	.81	.88	.94	.98	1.04	1.36	1.66	1.87
Aug. 7	[3] 5:47 p. m.	9:00 a. m.	2.65	3:15 a. m.	4:39 a. m.	.39	.09	.18	.23	.27	.28	.32	.37	.48	.60	.73	1.01	1.48	1.58	
Oct. 14	7:05 p. m.	[3] 12:15 a. m.	7.52	7:26 p. m.	8:16 p. m.	.07	.46	.77	.98	1.01	1.04	1.24	1.47	1.77	2.06	2.41				
				8:16 p. m.	9:06 p. m.		2.49	2.73	3.14	3.56	3.80	4.03	4.24	4.56	4.75	5.11				
				9:06 p. m.	9:45 p. m.		5.44	5.67	6.07	6.59	6.89	7.08	7.12	7.41						
OHIO VALLEY AND TENNESSEE.																				
Chattanooga, Tenn.:																				
Mar. 12	2:10 a. m.	6:25 a. m.	1.71	3:50 a. m.	4:18 a. m.	.46	.06	.12	.21	.36	.91	.96								
Apr. 20	12:18 p. m.	11:41 p. m.	1.87	7:05 p. m.	7:20 p. m.	.85	.12	.62	.88											
May 2	5:21 p. m.	7:17 p. m.	.42	5:40 p. m.	5:50 p. m.	.02	.22	.37												
May 24	2:53 p. m.	4:38 p. m.	.57	3:27 p. m.	3:37 p. m.	.04	.15	.31												
June 3	3:04 p. m.	[3] 8:25 a. m.	2.17	5:37 p. m.	5:47 p. m.	.02	.19	.47												
June 3	3:04 p. m.	[3] 8:25 a. m.	2.17	7:42 p. m.	8:05 p. m.	.68	.21	.40	.49	.60	.65									
July 7	3:26 p. m.	3:44 p. m.	.61	3:31 p. m.	3:39 p. m.	T.	.40	.60												
July 18	12:02 a. m.	8:16 a. m.	1.63	5:11 a. m.	5:21 a. m.	.25	.21	.38												
July 21	1:28 p. m.	2:21 p. m.	.54	1:37 p. m.	2:04 p. m.	T.	.16	.28	.34	.43	.47	.53								
Aug. 9	4:02 p. m.	8:20 p. m.	1.35	6:20 p. m.	6:30 p. m.	.80	.21	.43												
Aug. 10	2:10 a. m.	5:35 a. m.	1.32	2:17 a. m.	3:07 a. m.	.02	.11	.27	.33	.42	.53	.66	.74	.84	.97	1.04				
Aug. 13	5:02 a. m.	11:38 a. m.	2.41	6:42 a. m.	7:56 a. m.	.27	.06	.14	.22	.29	.40	.56	.64	.68	.71	.78	.91	1.11		
Aug. 14	7:50 p. m.	[3] 4:25 a. m.	.89	9:30 p. m.	9:45 p. m.	.02	.25	.45	.51											
Sept. 9	12:18 p. m.	2:25 p. m.	.83	12:24 p. m.	12:47 p. m.	T.	.22	.37	.57	.64	.73									
Sept. 10	6:43 a. m.	9:02 a. m.	.65	7:20 a. m.	7:30 a. m.	T.	.40	.63												
Knoxville, Tenn.:																				
Mar. 19	D. N. a. m.	7:05 a. m.	.81	5:12 a. m.	5:26 a. m.	.26	.18	.33	.39											
Apr. 22	7:20 p. m.	7:45 p. m.	.38	7:29 p. m.	7:39 p. m.	.01	.20	.37												
June 4	3:15 p. m.	D. N. p. m.	1.77	6:46 p. m.	7:23 p. m.	.24	.12	.28	.33	.43	.54	.63	.68	.73						
July 7	2:50 p. m.	4:45 p. m.	.45	3:08 p. m.	3:17 p. m.	.05	.15	.35												
Aug. 8	3:50 p. m.	4:50 p. m.	.58	4:03 p. m.	4:21 p. m.	.03	.09	.20	.44	.53										
Aug. 10	[2] D. N. p. m.	7:55 a. m.	1.71	1:14 a. m.	1:47 a. m.	.06	.16	.20	.21	.32	.54	.60	.65							
Aug. 10	5:05 p. m.	6:08 p. m.	.40	5:13 p. m.	5:27 p. m.	.01	.15	.28	.36											
Aug. 27	D. N. a. m.	D. N. a. m.	1.53	2:54 a. m.	3:09 a. m.	.13	.05	.37	.60											
Aug. 31	4:44 p. m.	5:20 p. m.	.50	4:44 p. m.	5:00 p. m.	0	.13	.36	.45	.49										
Sept. 9	1:00 p. m.	3:05 p. m.	.44	1:03 p. m.	1:13 p. m.	.02	.16	.32												
Memphis, Tenn.:																				
Apr. 1	[2] 5:20 a. m.	9:20 a. m.	4.00	12:11 a. m.	12:28 a. m.	2.44	.14	.35	.46	.49										
Apr. 20	D. N. a. m.	6:35 a. m.	.49	4:50 a. m.	4:59 a. m.	.07	.25	.33												
May 5	D. N. a. m.	10:55 a. m.	1.62	7:02 a. m.	7:30 a. m.	.30	.06	.16	.36	.55	.71	.78								
July 17	1:43 p. m.	2:10 p. m.	.33	1:51 p. m.	2:01 p. m.	.01	.21	.31												
Aug. 12	6:38 p. m.	D. N. p. m.	1.09	8:56 p. m.	9:28 p. m.	.13	.12	.23	.27	.45	.59	.76	.83							
Sept. 1	12:40 p. m.	6:20 p. m.	2.70	2:26 p. m.	3:02 p. m.	.72	.15	[6] .36	[6] .52	[6] .67	[6] .82	[6] .98	[6] 1.12	[6] 1.14						
Sept. 1	12:40 p. m.	6:20 p. m.	2.70	4:08 p. m.	4:40 p. m.	1.89	.09	.24	.40	.51	.64	.71	.74							
Sept. 7	D. N. a. m.	10:30 a. m.	3.89	6:40 a. m.	6:59 a. m.	.26	.15	.28	.36	.43										
Sept. 7	D. N. a. m.	10:30 a. m.	3.89	7:40 a. m.	9:30 a. m.	.75	.15	.19	.22	.33	.54	.82	1.25	1.41	1.52	1.61	1.70	1.93	2.50	2.84
Sept. 8	2:28 p. m.	5:40 p. m.	1.67	3:36 p. m.	4:34 p. m.	.08	.14	.47	.64	.73	.91	1.15	1.23	1.23	1.24	1.27	1.52			
Sept. 9	D. N. a. m.	8:45 a. m.	1.95	5:28 a. m.	5:55 a. m.	.15	.12	.30	.39	.46	.58	.62								
Sept. 9	D. N. a. m.	8:45 a. m.	1.95	6:53 a. m.	7:18 a. m.	.88	.18	.36	.64	.73	.81									
Oct. 24	10:45 a. m.	8:50 p. m.	1.19	3:03 p. m.	3:26 p. m.	.45	.07	.23	.40	.48	.54									
Oct. 26	7:20 a. m.	2:00 p. m.	.88	1:02 p. m.	1:18 p. m.	.44	.12	.34	.40	.42										
Nashville, Tenn.:																				
Jan. 8	[2] 3:00 p. m.	[2] D. N. a. m.	2.70	7:07 p. m.	7:18 p. m.	2.08	.19	.38	.44											
Mar. 18-19	9:45 p. m.	D. N. a. m.	1.29	11:53 p. m.	12:06 a. m.	.25	.11	.29	.35											
Mar. 19	[2] 9:45 p. m.	D. N. a. m.	1.29	2:03 a. m.	2:11 a. m.	.69	.42	.49												
Apr. 20	5:30 a. m.	8:30 a. m.	.53	7:30 a. m.	7:45 a. m.	.08	.10	.21	.43											
Apr. 20 [4]	9:10 a. m.	11:40 a. m.	.43	10:35 a. m.	10:44 a. m.	.08	.19	.30												
Apr. 20	12:15 p. m.	4:00 p. m.	2.45	12:35 p. m.	1:39 p. m.	.03	.13	.44	.78	.99	1.00	1.01	1.05	1.13	1.19	1.48	1.87	1.97		
Apr. 20	12:15 p. m.	4:00 p. m.	2.45	3:15 p. m.	3:31 p. m.	2.04	.18	.29	.37	.40										
May 21	5:15 a. m.	6:20 a. m.	.67	5:19 a. m.	5:30 a. m.	.01	.23	.63	.66											
June 1	3:35 p. m.	6:35 p. m.	1.09	3:54 p. m.	4:33 p. m.	.05	.10	.22	.40	.57	.69	.77	.84	.89						
June 21	6:20 p. m.	D. N. p. m.	.61	6:50 p. m.	6:54 p. m.	.18	.30													
July 16	1:33 p. m.	3:50 p. m.	1.33	1:39 p. m.	2:04 p. m.	.01	.23	.26	.50	.71	.82									
July 16	1:33 p. m.	3:50 p. m.	1.33	2:53 p. m.	3:03 p. m.	.89	.22	.32												
Aug. 7	10:20 p. m.	[3] 3:20 a. m.	1.66	10:32 p. m.	11:10 p. m.	.03	.08	.26	.45	.71	.96	1.14	1.23	1.30						
Aug. 9	4:53 p. m.	5:55 p. m.	.84	5:14 p. m.	5:39 p. m.	.01	.14	.25	.49	.66	.76									
Aug. 10	3:45 a. m.	7:30 a. m.	1.71	6:05 a. m.	6:40 a. m.	.82	.10	.28	.47	.57	.70	.81	.86							
Sept. 12	7:55 p. m.	8:45 p. m.	1.31	8:00 p. m.	8:19 p. m.	.01	.51	1.06	1.18	1.25										

[2] On previous date. [3] On following date. [4] Defective record. [5] Only the more important storms recorded. [6] Estimated.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.																				
Nashville, Tenn.—Continued.																				
Sept. 13	2:15 p.m.	2:55 p.m.	0.45	2:28 p.m.	2:41 p.m.	0.01	0.11	0.33	0.41											
Sept. 15	1:55 p.m.	2:40 p.m.	.73	2:10 p.m.	2:24 p.m.	.07	.10	.40	.63											
Oct. 26	6:35 p.m.	7:15 p.m.	.47	6:38 p.m.	6:47 p.m.	.01	.40	.46												
Lexington, Ky.:																				
Apr. 20	5:09 a.m.	6:30 a.m.	.44	5:43 a.m.	5:54 a.m.	.03	.27	.37	.40											
June 2	5:32 p.m.	6:35 p.m.	.82	5:34 p.m.	6:05 p.m.	.01	.17	.36	.54	0.62	0.72	0.77	0.81							
Aug. 7	1:04 p.m.	8:45 p.m.	1.36	4:06 p.m.	4:26 p.m.	.26	.10	.50	.64	.69										
Aug. 19	2:58 p.m.	3:47 p.m.	.62	3:06 p.m.	3:22 p.m.	.01	.18	.42	.56	.60										
Aug. 21	11:02 a.m.	1:54 p.m.	.73	11:15 a.m.	11:28 a.m.	.01	.21	.40	.49											
Aug. 27	8:50 p.m.	9:25 p.m.	.75	8:56 p.m.	9:20 p.m.	.01	.10	.15	.39	.64	.73									
Sept. 12	D.N. a.m.	D.N. a.m.	2.31	12:15 a.m.	1:25 a.m.	.01	.17	.22	.40	.49	.52	.52	.52	0.52	0.59	0.74	0.87	1.25		
Sept. 12	D.N. a.m.	D.N. a.m.	2.31	1:56 a.m.	2:33 a.m.	1.35	.12	.25	.26	.27	.34	.56	.85	.93						
Oct. 26	9:30 p.m.	[3] 7:20 a.m.	1.00	10:04 p.m.	10:26 p.m.	.06	.07	.24	.38	.48	.51									
Louisville, Ky.:																				
Apr. 20	D.N. a.m.	1:22 p.m.	2.08	3:46 a.m.	3:56 a.m.	.01	.12	.69												
July 24	2:49 p.m.	3:34 p.m.	.47	2:54 p.m.	3:09 p.m.	T.	.09	.25	.45											
Aug. 7	[2] 10:05 a.m.	D.N. a.m.	.88	12:50 a.m.	1:24 a.m.	.10	.07	.17	.29	.36	.49	.57	.61							
Aug. 7	4:12 p.m.	8:47 p.m.	1.39	4:14 p.m.	4:33 p.m.	T.	.26	.45	.56	.62										
Aug. 7	4:12 p.m.	8:47 p.m.	1.39	5:01 p.m.	5:20 p.m.	.71	.10	.29	.35	.39										
Aug. 30	12:10 p.m.	12:44 p.m.	.74	12:13 p.m.	12:38 p.m.	T.	.08	.17	.44	.60	.73									
Sept. 5	8:25 p.m.	9:30 p.m.	.31	8:46 p.m.	8:56 p.m.	.01	.21	.30												
Oct. 26	5:15 p.m.	9:00 p.m.	1.04	6:59 p.m.	7:19 p.m.	.19	.12	.30	.35	.40										
Evansville, Ind.:																				
May 12	8:15 a.m.	10:00 a.m.	.62	8:24 a.m.	8:39 a.m.	.01	.26	.37	.45											
June 1	5:50 a.m.	11:45 a.m.	1.56	8:16 a.m.	8:54 a.m.	.31	.13	.21	.32	.50	.61	.66	.72	.77						
June 2	5:50 p.m.	6:48 p.m.	1.21	6:03 p.m.	6:41 p.m.	.03	.17	.39	.65	.80	.89	1.03	1.11	1.18						
July 3	8:10 p.m.	10:00 p.m.	.45	9:17 p.m.	9:32 p.m.	.02	.21	.28	.42											
July 5[4]																				
July 6	1:20 p.m.	2:26 p.m.	.76	1:29 p.m.	1:55 p.m.	.01	.12	.24	.30	.39	.62	.74								
Aug. 6	2:33 p.m.	4:35 p.m.	1.11	2:36 p.m.	2:58 p.m.	.01	.31	.53	.75	.89	.94									
Aug. 7	12:43 p.m.	2:05 p.m.	.95	12:49 p.m.	1:14 p.m.	.01	.09	.32	.37	.62	.82									
Aug. 12	11:15 p.m.	[3] 12:30 a.m.	.97	11:34 p.m.	11:48 p.m.	.05	.28	.72	.91											
Aug. 15	2:45 a.m.	11:49 a.m.	2.16	6:59 a.m.	8:08 a.m.	.10	.07	.21	.39	.53	.63	.70	.75	.91	1.02	1.13	1.36	1.66		
Sept. 9	12:30 a.m.	D.N. a.m.	1.33	12:30 a.m.	1:05 a.m.	0	.10	.12	.26	.47	.74	.88	.95							
Sept. 9	12:30 a.m.	D.N. a.m.	1.33	1:30 a.m.	1:40 a.m.	.99	.25	.33												
Sept. 15	10:05 a.m.	12:20 p.m.	.45	10:59 a.m.	11:12 a.m.	.03	.06	.24	.40											
Indianapolis, Ind.:																				
Apr. 20	12:05 a.m.	5:56 a.m.	2.29	3:06 a.m.	3:44 a.m.	.09	.12	.29	.53	.75	.88	1.10	1.60	2.03						
June 13	5:48 p.m.	6:39 p.m.	.86	6:04 p.m.	6:21 p.m.	.01	.21	.64	.78	.81										
June 14	6:51 p.m.	10:17 p.m.	.96	8:54 p.m.	9:15 p.m.	.09	.17	.22	.55	.76	.79									
July 3	12:29 p.m.	1:28 p.m.	.90	12:44 p.m.	1:04 p.m.	.03	.08	.30	.54	.79										
July 14	[2] 9:53 p.m.	5:27 a.m.	1.54	2:58 a.m.	3:21 a.m.	.35	.19	.52	.77	.83	.88									
Aug. 7	12:23 p.m.	3:15 p.m.	.51	12:30 p.m.	12:38 p.m.	.01	.25	.34												
Sept. 11	8:28 a.m.	9:18 a.m.	.48	8:43 a.m.	8:55 a.m.	.01	.30	.43	.45											
Oct. 18	3:27 p.m.	4:37 p.m.	.55	3:29 p.m.	3:45 p.m.	.01	.18	.39	.48	.51										
Royal Center, Ind.:																				
Apr. 20	D.N. a.m.	D.N. a.m.	.99	2:55 a.m.	3:16 a.m.	.22	.06	.12	.26	.51	.55									
June 16	4:20 p.m.	6:20 p.m.	.77	4:30 p.m.	4:40 p.m.	.01	.27	.45												
July 8	3:34 p.m.	3:49 p.m.	.33	3:40 p.m.	3:46 p.m.	.01	.27	.32												
Sept. 26	11:30 a.m.	11:55 a.m.	.58	11:37 a.m.	11:47 a.m.	.01	.29	.56												
Terre Haute, Ind.:																				
Apr. 18	10:35 a.m.	3:25 p.m.	.83	2:42 p.m.	2:55 p.m.	.34	.15	.38	.47											
Apr. 19	D.N. a.m.	8:25 a.m.	1.24	3:20 a.m.	4:09 a.m.	.03	.07	.15	.25	.33	.36	.49	.57	.65	.81	.87				
May 12	[2] 10:50 p.m.	1:58 p.m.	3.24	4:42 a.m.	6:06 a.m.	.72	.14	.26	.44	.53	.59	.61	.63	.65	.70	.91	1.04	1.37	1.54	
July 6	9:28 a.m.	3:15 p.m.	.94	1:15 p.m.	1:34 p.m.	.08	.38	.54	.67	.73										
July 6	7:15 p.m.	11:15 p.m.	2.47	7:57 p.m.	9:09 p.m.	.06	.15	.37	.52	.53	.61	.66	.79	.87	.89	.91	.92	1.32		
July 6	7:15 p.m.	11:15 p.m.	2.47	10:10 p.m.	10:24 p.m.	1.44	.35	.67	.79											
July 14	5:15 p.m.	5:32 p.m.	.63	5:17 p.m.	5:27 p.m.	.02	.32	.62												
Aug. 21	12:53 p.m.	2:20 p.m.	.33	1:56 p.m.	2:03 p.m.	.01	.28	.32												
Sept. 27	4:30 a.m.	8:38 a.m.	1.14	7:58 a.m.	8:08 a.m.	.79	.13	.34												
Cincinnati, Ohio:																				
Apr. 19	5:36 p.m.	6:35 p.m.	.72	5:40 p.m.	5:57 p.m.	.01	.19	.34	.56	.61										
Apr. 20	5:10 a.m.	1:40 p.m.	1.44	6:47 a.m.	6:58 a.m.	.13	.18	.37	.41											
Apr. 21	[2] D.N. p.m.	D.N. a.m.	.75	12:21 a.m.	12:34 a.m.	.07	.15	.29	.35											
Apr. 21	[2] D.N. p.m.	D.N. a.m.	.75	12:55 a.m.	1:00 a.m.	.44	.31													
May 23	5:40 p.m.	7:20 p.m.	1.04	5:57 p.m.	6:20 p.m.	.01	.18	.50	.74	.91	.92									
June 13	5:31 p.m.	6:05 p.m.	.42	5:48 p.m.	5:58 p.m.	.06	.17	.35												
June 30	2:05 p.m.	2:50 p.m.	.36	2:23 p.m.	2:33 p.m.	.03	.14	.30												
July 31	4:01 p.m.	6:05 p.m.	.51	4:16 p.m.	4:29 p.m.	.04	.12	.35	.40											
Aug. 7	3:16 p.m.	6:05 p.m.	2.70	3:16 p.m.	3:48 p.m.	.01	.38	1.16	1.78	2.13	2.47	2.57	2.60							
Aug. 21	10:17 a.m.	10:41 a.m.	.36	10:17 a.m.	10:26 a.m.	0	.19	.35												
Aug. 21	5:46 p.m.	[3] 5:00 a.m.	.57	6:03 p.m.	6:11 p.m.	.03	.31	.40												
Columbus, Ohio:																				
June 2	12:47 p.m.	1:45 p.m.	.35	12:47 p.m.	12:54 p.m.	0	.27	.34												
July 2	D.N. a.m.	8:55 a.m.	1.11	7:06 a.m.	7:48 a.m.	.26	.07	.11	.26	.37	.54	.60	.66	.71	.76					
July 6	1:30 p.m.	8:45 p.m.	1.05	5:04 p.m.	5:26 p.m.	.13	.18	.37	.52	.63	.66									
Aug. 14	12:30 p.m.	1:45 p.m.	1.07	12:45 p.m.	1:05 p.m.	.01	.25	.59	.75	.84										
Aug. 27	4:55 p.m.	[3] D.N. a.m.	.78	6:02 p.m.	6:12 p.m.	.05	.22	.44												
ayton, Ohio:																				
Apr. 21	[2] D.N. p.m.	4:15 a.m.	.70	12:43 a.m.	1:03 a.m.	.06	.18	.32	.37	.42										
May 23	5:10 p.m.	5:45 p.m.	.65	5:12 p.m.	5:32 p.m.	.01	.25	.46	.50	.59										
June 2	5:28 p.m.	7:05 p.m.	.72	5:31 p.m.	6:11 p.m.	.01	.05	.13	.31	.41	.43	.49	.57	.71						
June 30	3:04 p.m.	3:35 p.m.	.41	3:17 p.m.	3:31 p.m.	.04	.07	.26	.36											
July 2	5:41 a.m.	10:25 a.m.	.89	6:03 a.m.	6:43 a.m.	.15	.12	.24	.29	.35	.38	.44	.58	.66						
July 8	3:15 p.m.	3:52 p.m.	.34	3:38 p.m.	3:48 p.m.	.03	.09	.30												
Sept. 5	[2] D.N. p.m.	4:30 a.m.	1.21	12:36 a.m.	1:00 a.m.	.07	.16	.42	.59	.78	.88									

[2] On previous date. [3] On following date. [4] Defective record.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.																				
Elkins, W. Va.:																				
July 3	3:20 p. m.	5:36 p. m.	1.22	3:42 p. m.	4:31 p. m.	0.04	0.20	0.47	0.57	0.57	0.60	0.86	0.96	0.99	1.03	1.11				
July 24	1:37 p. m.	5:00 p. m.	1.55	2:31 p. m.	2:42 p. m.	.28	.19	.34	.36											
July 24	1:37 p. m.	5:00 p. m.	1.55	4:19 p. m.	4:25 p. m.	1.14	.33	.40												
Sept. 27	7:10 p. m.	D.N. p. m.	1.27	8:50 p. m.	9:52 p. m.	.07	.23	.42	.52	.57	.62	.64	.71	.78	.82	.86	1.00	1.13		
Parkersburg, W. Va.:																				
Apr. 20	9:14 a. m.	3:07 p. m.	2.04	9:36 a. m.	9:51 a. m.	.02	.24	.45	.54											
June 10	4:23 p. m.	5:40 p. m.	.60	4:25 p. m.	4:47 p. m.	.01	.11	.13	.25	.42	.45									
June 30	5:56 p. m.	6:30 p. m.	.44	6:02 p. m.	6:21 p. m.	.01	.08	.22	.35	.42										
July 2	2:34 p. m.	3:27 p. m.	.50	2:40 p. m.	2:54 p. m.	.02	.15	.29	.35											
July 15	9:13 a. m.	10:24 a. m.	.80	9:23 a. m.	9:56 a. m.	.02	.05	.10	.21	.41	.58	.70	.73							
Aug. 10	11:09 p. m.	[3] D.N. a. m.	.55	11:09 p. m.	11:22 p. m.	0	.05	.34	.45											
Aug. 19	5:57 p. m.	8:15 p. m.	1.05	6:05 p. m.	6:23 p. m.	.01	.18	.53	.83	.91										
Sept. 9	3:27 p. m.	11:12 p. m.	1.32	7:16 p. m.	7:48 p. m.	.09	.12	.37	.56	.62	.71	.77	.82							
Sept. 27	3:17 p. m.	4:45 p. m.	.56	3:56 p. m.	4:26 p. m.	.05	.13	.26	.31	.41	.41	.51								
Pittsburgh, Pa.:																				
June 2	5:20 p. m.	8:10 p. m.	.74	5:40 p. m.	6:07 p. m.	.03	.12	.28	.36	.39	.46	.51								
June 13	2:00 p. m.	4:00 p. m.	.85	2:05 p. m.	2:29 p. m.	.01	.16	.44	.57	.70	.76									
June 16	12:45 p. m.	11:10 p. m.	1.78	7:22 p. m.	7:29 p. m.	.85	.28	.34												
July 30	5:50 p. m.	7:30 p. m.	.68	6:08 p. m.	6:28 p. m.	.03	.14	.30	.47	.57										
July 31	3:55 p. m.	4:30 p. m.	.62	3:59 p. m.	4:14 p. m.	.01	.18	.36	.54											
Sept. 9	6:25 p. m.	D.N. p. m.	1.11	6:54 p. m.	7:22 p. m.	.04	.09	.20	.21	.31	.80	.89								
LOWER LAKE REGION.																				
Buffalo, N. Y.:																				
July 23	6:20 p. m.	[3] D.N. a. m.	2.58	7:32 p. m.	9:09 p. m.	.10	.08	.23	.43	.51	.59	.81	.93	1.05	1.08	1.13	1.18	1.39	2.33	
Canton, N. Y.:																				
June 29	D.N. a. m.	D.N. a. m.	.52	12:09 a. m.	12:20 a. m.	.01	.23	.36	.38											
Oswego, N. Y.:																				
July 12	11:43 a. m.	1:45 p. m.	.49	11:49 a. m.	11:59 a. m.	.01	.28	.38												
July 14	1:33 p. m.	3:05 p. m.	.53	2:20 p. m.	2:36 p. m.	.09	.13	.24	.39	.43										
Aug. 9	2:51 p. m.	5:30 p. m.	.56	3:08 p. m.	3:28 p. m.	.01	.15	.19	.43	.51										
Aug. 9	9:12 p. m.	9:45 p. m.	.40	9:12 p. m.	9:17 p. m.	0	.34													
Sept. 11	9:10 p. m.	10:10 p. m.	.75	9:14 p. m.	9:44 p. m.	.01	.07	.20	.32	.39	.50	.64								
Rochester, N. Y.:																				
May 20	11:54 a. m.	1:20 p. m.	.42	12:31 p. m.	12:46 p. m.	.04	.14	.24	.36											
Syracuse, N. Y.:																				
July 31	4:55 p. m.	6:15 p. m.	.45	5:48 p. m.	5:56 p. m.	.03	.25	.33												
July 31	2:08 p. m.	3:35 p. m.	.38	2:18 p. m.	2:23 p. m.	.01	.26													
Aug. 13	11:03 a. m.	12:00 noon.	1.01	11:07 a. m.	11:30 a. m.	T.	.34	.64	.78	.86	.94									
Aug. 31–Sept. 1	D.N. p. m.	D.N. a. m.	.45	11:59 p. m.	12:11 a. m.	.01	.17	.41	.43											
Sept. 11	8:15 p. m.	D.N. p. m.	1.26	8:17 p. m.	8:36 p. m.	.01	.08	.30	.46	.58										
Sept. 12	3:20 p. m.	4:20 p. m.	.58	3:47 p. m.	4:07 p. m.	.01	.09	.14	.37	.55										
Erie, Pa.:																				
June 2	9:25 p. m.	D.N. p. m.	.63	9:41 p. m.	9:56 p. m.	.09	.17	.36	.49											
July 22	D.N. a. m.	4:35 a. m.	.52	3:51 a. m.	4:01 a. m.	.06	.23	.38												
Aug. 16	3:18 p. m.	4:55 p. m.	1.41	3:50 p. m.	4:35 p. m.	.01	.10	.20	.38	.54	.66	.90	1.08	1.27	1.35					
Cleveland, Ohio:																				
June 2	6:30 p. m.	7:05 p. m.	.48	6:30 p. m.	6:41 p. m.	0	.15	.31	.33											
June 15	9:22 p. m.	10:08 p. m.	.40	9:52 p. m.	9:59 p. m.	.07	.23	.33												
June 16	10:15 a. m.	11:12 a. m.	.79	10:18 a. m.	10:36 a. m.	.01	.41	.54	.71	.76										
June 16	7:18 p. m.	[3] 2:00 a. m.	1.04	9:33 p. m.	9:40 p. m.	.21	.26	.36												
July 2	9:05 p. m.	10:10 p. m.	1.04	9:27 p. m.	9:58 p. m.	.17	.17	.27	.31	.34	.66	.85	.87							
July 11	7:34 p. m.	9:38 p. m.	.55	8:36 p. m.	8:55 p. m.	.10	.27	.33	.36	.45										
July 18	1:29 p. m.	5:07 p. m.	.99	1:54 p. m.	2:19 p. m.	.12	.11	.39	.52	.60	.78									
Sandusky, Ohio:																				
May 20	2:45 p. m.	7:50 p. m.	.64	5:37 p. m.	5:47 p. m.	.13	.23	.42												
June 16	9:17 a. m.	10:10 a. m.	.45	9:17 a. m.	9:26 a. m.	0	.25	.42												
June 16	4:25 p. m.	7:20 p. m.	1.08	4:55 p. m.	5:33 p. m.	.07	.17	.28	.39	.42	.46	.51	.58	.63						
June 16	8:15 p. m.	D.N. a. m.	1.02	8:28 p. m.	8:34 p. m.	.02	.27	.32												
Aug. 13	3:58 p. m.	4:45 p. m.	.50	4:04 p. m.	4:19 p. m.	T.	.18	.35	.49											
Sept. 9	7:15 p. m.	9:00 p. m.	.84	8:27 p. m.	8:38 p. m.	.26	.31	.54	.58											
Oct. 26–27	7:55 p. m.	D.N. a. m.	1.46	11:58 p. m.	12:49 a. m.	.29	.07	.14	.20	.31	.42	.62	.73	.85	.93	.99	1.05			
Toledo, Ohio:																				
June 1	1:44 p. m.	3:25 p. m.	.64	1:54 p. m.	2:07 p. m.	.02	.09	.36	.56											
June 16	6:23 p. m.	11:00 p. m.	1.29	6:23 p. m.	6:42 p. m.	0	.16	.20	.34	.57										
July 6	4:14 p. m.	8:05 p. m.	1.18	6:34 p. m.	7:16 p. m.	.40	.14	.18	.21	.30	.40	.51	.62	.69	.73					
July 8	7:50 a. m.	9:17 a. m.	.58	9:02 a. m.	9:12 a. m.	.21	.12	.36												
July 14	12:50 p. m.	1:42 p. m.	1.30	1:05 p. m.	1:36 p. m.	.01	.27	.62	.85	1.06	1.16	1.24	1.28							
Aug. 16	7:06 a. m.	8:35 a. m.	3.65	7:14 a. m.	8:14 a. m.	.01	.09	.12	.32	.75	1.17	1.74	2.34	2.93	3.20	3.38	3.58			
Sept. 9	4:34 p. m.	5:55 p. m.	.89	5:27 p. m.	5:45 p. m.	.36	.07	.17	.36	.52										
Fort Wayne, Ind.:																				
June 1	D.N. a. m.	7:20 a. m.	.60	5:53 a. m.	6:06 a. m.	.11	.18	.34	.38											
June 14	3:25 p. m.	5:20 p. m.	.86	3:33 p. m.	3:52 p. m.	.01	.19	.49	.60	.73										
June 29	2:43 p. m.	3:03 p. m.	.34	2:43 p. m.	2:54 p. m.	0	.15	.31	.34											
July 6	1:30 p. m.	6:28 p. m.	1.74	3:42 p. m.	4:17 p. m.	.67	.21	.45	.54	.60	.72	.85	.97							
July 18	12:27 p. m.	1:35 p. m.	.77	12:32 p. m.	1:19 p. m.	.01	.08	.26	.41	.45	.49	.51	.52	.60	.72	.76				
July 30	3:14 p. m.	6:00 p. m.	1.75	3:21 p. m.	4:33 p. m.	.01	.23	.34	.36	.52	.55	.55	.55	.60	.69	.94	1.05	1.29		
Aug. 7	3:05 p. m.	4:10 p. m.	.66	3:11 p. m.	3:23 p. m.	.01	.26	.57	.64											
Sept. 26	11:45 a. m.	1:23 p. m.	.77	11:59 a. m.	12:23 p. m.	.02	.18	.33	.57	.69	.73									

[3] On following date.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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—continued.																				
Detroit, Mich.:																				
Apr. 22	5:08 p. m.	8:30 p. m.	0.58	5:38 p. m.	5:46 p. m.	0.01	0.26	0.48												
June 10	4:30 p. m.	6:40 p. m.	1.64	5:17 p. m.	5:54 p. m.	.20	.09	.26	0.58	0.82	1.00	1.16	1.25	1.30						
July 8	3:40 p. m.	5:15 p. m.	1.11	3:44 p. m.	4:07 p. m.	.02	.24	.52	.75	.93	1.01									
Aug. 9	9:04 p. m.	[3]D.N. a. m.	.82	9:06 p. m.	9:22 p. m.	.01	.16	.36	.47	.50										
Aug. 16	5:20 p. m.	D.N. p. m.	1.33	7:37 p. m.	7:55 p. m.	.35	.10	.28	.45	.51										
UPPER LAKE REGION.																				
Alpena, Mich.:																				
June 28	7:30 p. m.	[3]6:40 a. m.	.66	7:48 p. m.	7:55 p. m.	.02	.30	.35												
Sept. 12	12:58 p. m.	1:55 p. m.	.43	1:30 p. m.	1:43 p. m.	.03	.18	.35	.39											
Escanaba, Mich.:																				
June 1	5:40 p. m.	7:20 p. m.	.99	5:43 p. m.	6:08 p. m.	.01	.36	.50	.62	.72	.81									
June 12	3:05 p. m.	3:55 p. m.	.48	3:08 p. m.	3:23 p. m.	.01	.14	.25	.45											
June 27	7:10 p. m.	D.N. p. m.	.56	7:58 p. m.	8:08 p. m.	.10	.18	.45												
July 1	8:00 p. m.	D.N. p. m.	.42	8:08 p. m.	8:23 p. m.	.01	.19	.29	.35											
Sept. 15	8:15 a. m.	12:30 p. m.	1.61	9:29 a. m.	10:13 a. m.	.10	.14	.19	.28	.37	.41	.57	.74	.96	1.19					
Grand Haven, Mich.:																				
June 15-16	5:48 p. m.	D.N. a. m.	1.07	11:55 p. m.	12:17 a. m.	.41	.09	.25	.36	.45	.48									
June 16	2:16 p. m.	4:16 p. m.	.67	3:23 p. m.	3:40 p. m.	.06	.13	.30	.44	.50										
Grand Rapids, Mich.:																				
June 16	[2]6:15 p. m.	D.N. a. m.	1.34	12:46 a. m.	1:03 a. m.	.63	.20	.23	.39	.48										
June 16	3:30 p. m.	[3]D.N. a. m.	1.22	4:59 p. m.	5:04 p. m.	.16	.35													
July 6	6:25 p. m.	8:30 p. m.	.86	7:39 p. m.	8:07 p. m.	.11	.05	.15	.32	.53	.65	.74								
July 18	D.N. a. m.	5:30 a. m.	1.12	4:48 a. m.	5:16 a. m.	.32	.16	.32	.47	.59	.72	.77								
Sept. 9	[2]11:20 p. m.	11:30 a. m.	2.25	7:33 a. m.	8:41 a. m.	1.04	.08	.18	.25	.27	.36	.51	.51	.52	.54	0.61	0.71	1.01		
Houghton, Mich.:																				
Oct. 13	8:30 p. m.	10:20 p. m.	.42	8:42 p. m.	8:51 p. m.	.01	.22	.32												
Lansing, Mich:																				
Mar. 28	5:05 p. m.	7:10 p. m.	.64	5:27 p. m.	5:43 p. m.	.06	.07	.30	.46	.54										
July 18	5:15 a. m.	7:45 a. m.	1.39	5:23 a. m.	6:36 a. m.	.02	.15	.31	.38	.41	.45	.57	.65	.74	.79	.90	1.07	1.28		
Sept. 15	6:30 p. m.	7:30 p. m.	.56	6:57 p. m.	7:13 p. m.	.02	.11	.39	.53	.54										
Ludington, Mich.:																				
June 15	2:28 p. m.	4:10 p. m.	.64	3:24 p. m.	3:32 p. m.	.01	.33	.59												
July 18	12:15 a. m.	D.N. a. m.	.74	1:22 a. m.	1:36 a. m.	.07	.17	.42	.55											
Sept. 26	4:37 p. m.	6:10 p. m.	.51	4:39 p. m.	4:47 p. m.	T.	.33	.44												
Marquette, Mich.:																				
June 27	6:42 p. m.	[3]7:08 a. m.	.85	9:40 p. m.	9:54 p. m.	.26	.16	.32	.45											
July 13	4:26 p. m.	6:00 p. m.	.41	4:37 p. m.	4:52 p. m.	.01	.15	.27	.36											
July 27	2:48 p. m.	[3]2.20 a. m.	2.01	10:15 p. m.	10:25 p. m.	1.07	.21	.31												
Aug. 4	8:13 p. m.	11:45 p. m.	1.12	8:20 p. m.	9:05 p. m.	.01	.06	.10	.22	.32	.53	.67	.73	.87	.95					
Port Huron, Mich.:																				
June 15	8:48 p. m.	[3]6:00 a. m.	1.29	9:58 p. m.	10:07 p. m.	.01	.38	.50												
July 2	4:48 p. m.	5:10 p. m.	.40	4:52 p. m.	4:59 p. m.	.01	.28	.38												
July 23	8:22 a. m.	10:10 a. m.	.57	8:54 a. m.	9:02 a. m.	.14	.27	.34												
Aug. 9	6:38 p. m.	8:15 p. m.	1.15	7:01 p. m.	7:30 p. m.	.01	.21	.47	.74	.96	1.03	1.09								
Aug. 10	1:39 p. m.	3:25 p. m.	1.55	1:45 p. m.	2:23 p. m.	.03	.05	.18	.46	.82	1.06	1.32	1.42	1.47						
Aug. 21	3:00 p. m.	7:10 p. m.	1.31	3:03 p. m.	3:29 p. m.	.01	.08	.10	.14	.35	.81	.82								
Saginaw, Mich.:																				
July 18	D.N. a. m.	6:18 a. m.	.82	4:54 a. m.	5:09 a. m.	.20	.13	.19	.37											
Aug. 9	1:30 p. m.	2:42 p. m.	.47	1:39 p. m.	1:54 p. m.	.08	.11	.24	.36											
Sept. 26	2:18 p. m.	3:17 p. m.	1.51	2:22 p. m.	2:42 p. m.	.02	.18	.28	.38	.46										
Sault Ste. Marie, Mich.:																				
June 12	3:00 a. m.	8:50 a. m.	1.42	4:51 a. m.	5:35 a. m.	.21	.07	.12	.24	.33	.42	.44	.56	.79	.88					
June 28	[2]11:00 p. m.	D.N. a. m.	1.06	1:38 a. m.	1:46 a. m.	.55	.30	.37												
Aug. 12	12:11 a. m.	D.N. a. m.	.50	12:11 a. m.	12:19 a. m.	0	.27	.35												
Sept. 15	11:58 a. m.	6:58 p. m.	1.81	12:06 p. m.	12:22 p. m.	T.	.19	.41	.56	.61										
Sept. 15	11:58 a. m.	6:58 p. m.	1.81	6:02 p. m.	6:10 p. m.	1.31	.32	.43												
Chicago University, Ill.:																				
June 13	3:36 p. m.	4:02 p. m.	.44	3:38 p. m.	3:48 p. m.	.01	.21	.43												
June 14	5:54 p. m.	[2]D.N. a. m.	1.07	8:09 p. m.	8:22 p. m.	.28	.19	.52	.62											
July 13	5:50 p. m.	8:15 p. m.	1.01	7:04 p. m.	7:44 p. m.	.20	.18	.27	.33	.41	.50	.59	.64	.74						
Aug. 29	4:15 a. m.	8:40 a. m.	1.02	7:37 a. m.	8:03 a. m.	.38	.09	.20	.26	.35	.55	.63								
Sept. 5	4:24 p. m.	6:55 p. m.	.86	5:34 p. m.	6:10 p. m.	.05	.07	.25	.38	.46	.50	.63	.71	.75						
Sept. 26	5:50 p. m.	7:10 p. m.	1.50	6:10 p. m.	6:55 p. m.	.07	.06	.20	.37	.56	.86	1.15	1.19	1.29	1.39					
Green Bay, Wis.:																				
June 10	3:05 p. m.	4:10 p. m.	.80	3:25 p. m.	3:47 p. m.	.07	.19	.25	.40	.65	.70									
June 10	5:05 p. m.	9:35 p. m.	1.74	8:46 p. m.	9:15 p. m.	1.01	.18	.35	.45	.57	.64	.72								
July 17	10:45 p. m.	[3]D.N. a. m.	.57	10:59 p. m.	11:19 p. m.	.05	.07	.13	.28	.50										
Oct. 10	1:05 p. m.	4:10 p. m.	.95	2:03 p. m.	2:13 p. m.	.19	.16	.30												
Milwaukee, Wis.:																				
June 16	12:40 p. m.	D.N. p. m.	2.56	12:55 p. m.	1:58 p. m.	.02	.27	.47	.61	.69	.81	.96	1.10	1.25	1.47	1.76	2.10	2.18		
Sept. 5	6:35 p. m.	[3]D.N. a. m.	1.27	10:44 p. m.	11:01 p. m.	.36	.07	.20	.32	.42										
Duluth, Minn.:																				
June 26	4:30 p. m.	[3]D.N. a. m.	1.54	6:52 p. m.	7:22 p. m.	.28	.29	.45	.54	.69	.92	1.04								
June 27	4:43 p. m.	5:10 p. m.	.34	4:43 p. m.	4:48 p. m.	0	.29													
July 1	12:45 p. m.	1:35 p. m.	.71	12:50 p. m.	1:10 p. m.	.02	.06	.19	.48	.66										
July 13	8:00 a. m.	3:00 p. m.	1.44	9:45 a. m.	9:53 a. m.	.03	.25	.31												
July 13	8:00 a. m.	3:00 p. m.	1.44	11:37 a. m.	12:03 p. m.	.69	.15	.33	.42	.46	.62	.66								
July 17	5:15 p. m.	5:42 p. m.	.58	5:23 p. m.	5:33 p. m.	.04	.26	.52												
July 23	5:00 p. m.	11:30 p. m.	1.13	6:57 p. m.	7:34 p. m.	.15	.15	.29	.34	.38	.46	.60	.72	.76						
Oct. 13	2:26 p. m.	6:00 p. m.	1.36	2:56 p. m.	3:26 p. m.	.02	.06	.12	.21	.33	.44	.50								
Oct. 13	2:26 p. m.	6:00 p. m.	1.36	5:22 p. m.	5:30 p. m.	.85	.36	.47												

[2] On previous date. [3] On following date.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated. 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.
NORTH DAKOTA.																				
Moorhead, Minn.:																				
May 25	10:10 p.m.	[1] 1:35 a.m.	0.65	11:04 p.m.	11:17 p.m.	0.04	0.28	0.41	0.47											
June 8	5:10 p.m.	5:50 p.m.	.54	5:14 p.m.	5:27 p.m.	.01	.30	.48	.52											
June 26	11:10 a.m.	4:40 p.m.	2.72	11:22 a.m.	12:52 p.m.	.08	.13	.40	.72	0.92	1.07	1.29	1.44	1.49	1.57	1.59	1.69	2.07	2.49	
July 11	8:35 p.m.	11:10 p.m.	1.07	8:56 p.m.	9:14 p.m.	.02	.31	.68	.95	1.00										
July 13	4:30 a.m.	9:00 a.m.	1.09	5:46 a.m.	6:02 a.m.	.25	.37	.64	.73	.75										
July 17	4:08 p.m.	4:25 p.m.	.36	4:08 p.m.	4:19 p.m.	0	.19	.34	.36											
Sept. 10	8:25 a.m.	9:50 a.m.	.56	8:38 a.m.	8:53 a.m.	.03	.18	.35	.44											
Sept. 21	1:40 a.m.	2:05 a.m.	.37	1:44 a.m.	1:53 a.m.	.01	.18	.35												
Bismarck, N. Dak.:																				
July 11	6:40 p.m.	8:00 p.m.	.35	7:00 p.m.	7:08 p.m.	.01	.24	.30												
July 13	D.N.a.m.	D.N.a.m.	1.20	2:15 a.m.	2:37 a.m.	.27	.09	.27	.43	.52	.56									
Devils Lake, N. Dak.:																				
June 14	10:55 a.m.	11:55 a.m.	2.70	11:00 a.m.	11:42 a.m.	.01	.26	.68	1.15	1.63	2.07	2.40	2.54	2.64	2.66					
June 14	3:12 p.m.	3:40 p.m.	.60	3:14 p.m.	3:32 p.m.	.01	.05	.29	.51	.58										
July 16	4:40 p.m.	5:15 p.m.	1.10	4:54 p.m.	5:11 p.m.	.06	.18	.60	1.01	1.01										
Sept. 19	D.N.a.m.	D.N.a.m.	3.80	12:42 a.m.	2:04 a.m.	.04	.07	.36	.50	.54	.62	.70	.80	.92	.98	1.05	1.20	1.55	1.56	
Sept. 19	D.W.a.m.	D.N.a.m.	3.80	[1] 2:35 a.m.	3:35 a.m.	1.67	.05	.13	.30	.70	.91	1.04	1.16	1.27	1.48	1.71	1.91			
Ellendale, N. Dak.:																				
July 13	D.N.a.m.	D.N.a.m.	.84	3:41 a.m.	4:07 a.m.	.01	.06	.13	.41	.55	.67	.72								
Sept. 10	4:29 a.m.	6:10 a.m.	.38	4:56 a.m.	5:08 a.m.	.02	.11	.30	.36											
Williston, N. Dak.:																				
June 23	8:10 p.m.	10:15 p.m.	2.30	8:38 p.m.	9:41 p.m.	.03	.14	.33	.71	1.10	1.36	1.55	1.66	1.77	1.81	1.84	2.19	2.26		
UPPER MISSISSIPPI VALLEY.																				
Minneapolis, Minn.:																				
June 1	3:30 a.m.	7:10 a.m.	.85	5:45 a.m.	6:00 a.m.	.07	.32	.57	.64											
June 14	8:35 p.m.	D.N.p.m.	.50	9:35 p.m.	9:50 p.m.	.02	.18	.32	.38											
June 26	10:25 p.m.	D.N.p.m.	.55	10:33 p.m.	10:48 p.m.	.01	.13	.24	.51											
June 27	D.N.p.m.	[3] D.N.a.m.	2.17	11:42 p.m.	11:54 p.m.	.01	.13	.39	.43											
June 28	[2] D.N.p.m.	D.N.a.m.	2.17	12:58 a.m.	2:08 a.m.	.49	.13	.29	.44	.62	.72	.88	.93	.95	1.15	1.40	1.46	1.68		
June 30	7:45 p.m.	9:30 p.m.	.75	8:32 p.m.	8:54 p.m.	.03	.24	.33	.36	.52	.63									
Sept. 10	11:35 p.m.	11:50 p.m.	.36	11:35 p.m.	11:45 p.m.	0	.19	.34												
Oct. 20	1:30 p.m.	3:00 p.m.	1.05	1:36 p.m.	2:46 p.m.	.01	.11	.15	.22	.30	.35	.44	.52	.60	.65	.67	.83	1.03		
St. Paul, Minn.:																				
June 14	8:40 p.m.	10:50 p.m.	.58	10:03 p.m.	10:12 p.m.	.09	.22	.38												
June 28	[2] 11:45 p.m.	2:25 a.m.	2.03	12:11 a.m.	12:26 a.m.	.02	.13	.29	.44											
June 28	[2] 11:45 p.m.	2:25 a.m.	2.03	1:05 a.m.	2:21 a.m.	.54	.08	.10	.17	.35	.50	.54	.61	.68	.79	.84	.99	1.48		
June 30	8:15 p.m.	9:45 p.m.	.79	8:34 p.m.	8:47 p.m.	.07	.30	.45	.49											
July 13	1:03 p.m.	1:45 p.m.	.40	1:32 p.m.	1:40 p.m.	.04	.29	.35												
Sept. 10	11:51 p.m.	[3] 12:05 a.m.	.30	11:51 p.m.	11:57 p.m.	0	.27	.28												
La Crosse, Wis.:																				
June 15	12:05 a.m.	D.N.a.m.	2.01	12:34 a.m.	1:30 a.m.	.05	.07	.17	.42	.77	.96	1.01	1.04	1.04	1.11	1.14	1.77			
June 15	8:40 p.m.	D.N.p.m.	.64	8:48 p.m.	9:01 p.m.	.01	.28	.43	.52											
June 28	6:45 p.m.	D.N.p.m.	1.94	6:46 p.m.	7:26 p.m.	.01	.29	.46	.52	.69	.82	.91	.99	1.06						
Madison, Wis.:																				
Mar. 28	8:38 a.m.	11:35 a.m.	.50	11:14 a.m.	11:31 a.m.	.09	.20	.31	.37	.41										
June 13	9:40 p.m.	[1] 7:50 a.m.	2.23	9:44 p.m.	10:50 p.m.	.01	.14	.24	.40	.55	.66	.69	.69	.70	.71	.85	1.11	1.33		
June 16	[2] D.N.p.m.	D.N.a.m.	.41	1:09 a.m.	1:19 a.m.	.05	.16	.30												
June 28	3:46 p.m.	4:05 p.m.	.31	3:46 p.m.	3:53 p.m.	0	.20	.31												
Oct. 14	8:48 a.m.	10:40 a.m.	.72	9:32 a.m.	9:51 a.m.	.06	.09	.25	.35	.42										
Wausau, Wis.:																				
May 22	7:15 p.m.	11:48 p.m.	.77	7:19 p.m.	7:34 p.m.	.02	.31	.45	.52											
June 13	5:00 p.m.	7:47 p.m.	.63	5:08 p.m.	5:37 p.m.	.03	.10	.16	.25	.35	.45	.51								
Aug. 8	1:41 p.m.	2:35 p.m.	.42	1:45 p.m.	1:59 p.m.	T.	.12	.25	.40											
Oct. 20	6:50 p.m.	11:47 p.m.	.49	6:56 p.m.	7:12 p.m.	.02	.15	.21	.35	.43										
Charles City, Iowa:																				
May 18	6:21 p.m.	7:28 p.m.	.88	6:22 p.m.	7:03 p.m.	.01	.30	.44	.59	.60	.64	.68	.73	.82						
May 22	4:28 p.m.	9:12 p.m.	1.64	4:51 p.m.	5:08 p.m.	.03	.14	.34	.59	.63										
May 22	4:28 p.m.	9:12 p.m.	1.64	6:27 p.m.	6:52 p.m.	.70	.23	.34	.54	.73	.82									
June 20	5:11 p.m.	6:32 p.m.	1.37	5:20 p.m.	6:00 p.m.	.06	.09	.22	.48	.66	.79	.99	1.18	1.25						
June 28	7:25 p.m.	[1] 4:00 a.m.	.96	7:34 p.m.	7:59 p.m.	.05	.06	.17	.26	.37	.45									
July 5	12:35 a.m.	8:36 a.m.	.81	12:43 a.m.	12:58 a.m.	.04	.16	.41	.53											
Aug. 19	2:33 p.m.	5:49 p.m.	.67	4:57 p.m.	5:17 p.m.	.19	.07	.19	.35	.42										
Aug. 20	2:45 a.m.	5:20 a.m.	.96	2:49 a.m.	3:41 a.m.	.01	.10	.19	.21	.28	.36	.44	.48	.55	.65	.72	.79			
Sept. 10	5:40 p.m.	7:23 p.m.	.79	6:28 p.m.	6:52 p.m.	.10	.08	.20	.35	.47	.53									
Oct. 14	12:13 p.m.	[1] 12:40 a.m.	2.64	5:17 p.m.	5:27 p.m.	.91	.45	.58												
Oct. 20	2:57 p.m.	3:45 p.m.	.54	2:57 p.m.	3:08 p.m.	0	.27	.43	.46											
Davenport, Iowa:																				
Apr. 19	5:10 p.m.	[1] 3:00 a.m.	1.07	7:52 p.m.	8:10 p.m.	.13	.29	.51	.72	.81										
June 20	4:00 a.m.	9:10 a.m.	.74	5:23 a.m.	5:32 a.m.	.12	.18	.31												
June 20	3:13 p.m.	5:10 p.m.	.60	3:13 p.m.	3:31 p.m.	0	.15	.23	.41	.48										
Aug. 8	8:00 p.m.	D.N.p.m.	.70	8:30 p.m.	8:37 p.m.	.14	.25	.30												
Aug. 20	5:02 p.m.	5:48 p.m.	1.01	5:03 p.m.	5:24 p.m.	.01	.06	.37	.72	.90	.94									
Sept. 26	11:16 a.m.	2:10 p.m.	.80	11:19 a.m.	11:28 a.m.	.01	.33	.46												
Des Moines, Iowa:																				
May 11	11:30 a.m.	[1] 1:03 p.m.	2.70	2:38 p.m.	3:02 p.m.	.34	.08	.16	.27	.59	.70									
July 5	4:02 p.m.	9:30 p.m.	1.22	8:27 p.m.	8:50 p.m.	.51	.16	.25	.45	.56	.61									
July 7	2:45 p.m.	3:30 p.m.	.72	2:49 p.m.	3:03 p.m.	.01	.11	.43	.62											
July 13	9:35 p.m.	[1] 5:00 a.m.	.84	9:38 p.m.	9:56 p.m.	.01	.28	.34	.39	.46										
July 21	[3] 10:50 p.m.	5:15 a.m.	.87	2:40 a.m.	2:57 a.m.	.42	.08	.27	.35	.40										
Sept. 4	6:15 p.m.	[3] D.N.a.m.	1.75	8:49 p.m.	9:05 p.m.	.11	.28	.68	.97	.99										

[1] On previous date. [2] On following date.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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—cont.																				
Dubuque, Iowa:																				
May 22	6:20 a. m.	10:05 a. m.	1.27	7:41 a. m.	8:21 a. m.	0.06	0.07	0.21	0.28	0.36	0.40	0.50	0.56	0.63						
June 1	7:00 a. m.	7:45 a. m.	.83	7:03 a. m.	7:25 a. m.	.02	.20	.42	.55	.74	.81									
June 14	3:00 a. m.	6:15 a. m.	1.13	3.05 a. m.	3:33 a. m.	.T	.16	.26	.34	.39	.48	.54								
Aug. 20	9:15 p. m.	[3] D.N. a. m.	1.37	10:40 p. m.	11:15 p. m.	.24	.10	.29	.48	.52	.63	.76	.83							
Oct. 15	5:40 p. m.	[2] 6:10 p. m.	.38	5:43 p. m.	5:50 p. m.	.01	.28	.36												
Keokuk, Iowa:																				
June 1	7:22 p. m.	10:11 p. m.	1.33	7:28 p. m.	8:17 p. m.	.01	.23	.48	.61	.62	.63	.66	.72	.86	1.00	1.08				
July 1	8:42 p. m.	10:38 p. m.	.43	9:13 p. m.	9:30 p. m.	.01	.10	.25	.35	.40										
July 5	6:15 p. m.	10:58 p. m.	.97	8:56 p. m.	9:26 p. m.	.05	.06	.33	.53	.65	.73	.79								
Sept. 11	5:02 p. m.	6:21 p. m.	.58	5:16 p. m.	5:40 p. m.	.02	.11	.29	.39	.45	.52									
Sept. 26	11:40 a. m.	11:15 p. m.	1.10	1:22 p. m.	1:37 p. m.	.14	.23	.29	.35											
Cairo, Ill.:																				
Mar. 11	D.N. a. m.	11:20 a. m.	1.26	7:36 a. m.	7:41 a. m.	.61	.27													
May 30	8:36 p. m.	[3] D.N. a. m.	.94	9:20 p. m.	9:43 p. m.	.02	.19	.37	.44	.53	.64									
May 31	2:46 p. m.	3:15 p. m.	.39	2:50 p. m.	3:03 p. m.	.01	.22	.30	.36											
June 2	10:29 a. m.	11:27 a. m.	.61	10:54 a. m.	11:08 a. m.	.01	.18	.41	.60											
July 17	2:46 p. m.	3:48 p. m.	.50	3:14 p. m.	3:26 p. m.	.01	.19	.41	.45											
July 19	12:10 a. m.	D.N. a. m.	1.23	12:23 a. m.	12:52 a. m.	.02	.06	.15	.26	.44	.62	.71								
Aug. 14	11:17 a. m.	9:00 p. m.	1.14	11:21 a. m.	11:36 a. m.	.01	.24	.50	.71											
Sept. 10	3:33 p. m.	5:16 p. m.	.68	4:36 p. m.	4:48 p. m.	.05	.22	.54	.62											
Sept. 27	8:56 a. m.	11:25 a. m.	.69	9:03 a. m.	9:24 a. m.	.01	.15	.21	.30	.44	.49									
Peoria, Ill.:																				
Apr. 19	10:20 a. m.	6:35 p. m.	.56	4:08 p. m.	4:22 p. m.	.17	.13	[6] .30	[6] .37											
Aug. 20	10:35 a. m.	11:15 a. m.	.87	10:35 a. m.	11:02 a. m.	0	.30	.41	.68	.71	.84	.87								
Sept. 26	8:21 p. m.	[3] 1:55 a. m.	.56	8:34 p. m.	8:44 p. m.	.01	.19	.30												
Springfield, Ill.:																				
Apr. 19	7:04 p. m.	10:55 p. m.	1.79	8:02 p. m.	8:56 p. m.	.12	.22	.43	.61	.97	1.20	1.36	1.37	1.43	1.48	1.54	1.66			
May 11	8:07 p. m.	[3] 11:36 a. m.	3.91	9:42 p. m.	10:00 p. m.	.17	.19	.32	.56	.63										
June 1	D.N. a. m.	6:55 a. m.	1.97	5:20 a. m.	6:10 a. m.	.31	.24	.51	.78	1.01	1.09	1.19	1.29	1.41	1.52	1.61				
June 1	9:47 p. m.	[3] D.N. a. m.	1.62	9:50 p. m.	10:31 p. m.	.01	.19	.32	.37	.48	.62	.78	1.03	1.27	1.29					
Aug. 13	2:05 p. m.	3:05 p. m.	.78	2:26 p. m.	2:47 p. m.	.02	.17	.40	.58	.67	.70									
Aug. 15	[3] D.N. p. m.	7:34 a. m.	1.65	2:58 a. m.	3:28 a. m.	.67	.15	.21	.28	.37	.49	.55								
Aug. 30	4:05 a. m.	7:50 a. m.	.87	4:10 a. m.	4:22 a. m.	.01	.14	.34	.36											
Sept. 15	6:23 a. m.	9:14 a. m.	.89	8:01 a. m.	8:25 a. m.	.28	.19	.39	.44	.53	.58									
Sept. 26	9:24 p. m.	[3] N. D.a.m.	.96	10:02 p. m.	10:14 p. m.	.04	.12	.38	.46											
Hannibal, Mo.:																				
Mar. 18	8:50 a. m.	12:40 p. m.	1.02	10:10 a. m.	11:01 a. m.	.15	.17	.19	.21	.23	.30	.43	.53	.56	.59	.75	.82			
May 11	5:35 p. m.	6:45 p. m.	.57	5:58 p. m.	6:11 p. m.	.03	.25	.37	.49											
June 1	8:33 p. m.	9:15 p. m.	.64	8:53 p. m.	9:00 p. m.	.01	.48	.63												
June 29	10:55 a. m.	1:40 p. m.	.59	11:36 a. m.	11:54 a. m.	.04	.11	.30	.47	.51										
July 1	10:05 p. m.	11:05 p. m.	.66	10:24 p. m.	10:37 p. m.	.06	.19	.49	.58											
July 7	10:07 p. m.	D.N. p. m.	.40	10:12 p. m.	10:21 p. m.	.01	.16	.37												
July 31	7:30 a. m.	9:38 p. m.	.60	7:37 a. m.	8:02 a. m.	.01	.11	.26	.34	.39	.46									
Aug. 20	3:20 p. m.	4:18 p. m.	.75	3:40 p. m.	4:02 p. m.	.03	.29	.38	.52	.64	.69									
Sept. 8	5:05 a. m.	7:25 a. m.	.70	6:15 a. m.	6:29 a. m.	.28	.13	.25	.40											
Sept. 10	6:55 p. m.	D.N. p. m.	1.56	7:52 p. m.	8:12 p. m.	.01	.40	.46	.57	.67										
Sept. 10	6:55 p. m.	D.N. p. m.	1.56	8:59 p. m.	9:36 p. m.	.84	.14	.31	.34	.39	.39	.44	.56	.60						
St. Louis, Mo.:																				
May 2	D.N. a. m.	7:45 a. m.	1.42	2:15 a. m.	2:25 a. m.	.23	.21	.36												
May 2	D.N. a. m.	7:45 a. m.	1.42	3:32 a. m.	3:40 a. m.	.63	.31	.38												
June 21	2:59 p. m.	5:25 p. m.	.64	3:11 p. m.	3:23 p. m.	.T	.18	.35	.42											
Aug. 15	D.N. a. m.	6:20 a. m.	.99	2:30 a. m.	2:45 a. m.	.03	.24	.64	.81											
Aug. 31	6:49 a. m.	10:45 a. m.	.68	7:56 a. m.	8:06 a. m.	.15	.16	.32												
Sept. 8	9:30 a. m.	12:22 p. m.	1.66	10:10 a. m.	10:23 a. m.	.16	.08	.28	.35											
Sept. 8	9:30 a. m.	12:22 p. m.	1.66	10:57 a. m.	11:13 a. m.	.57	.23	.64	.81	.84										
Sept. 8	5:01 p. m.	5:50 p. m.	1.14	5:17 p. m.	5:43 p. m.	.08	.14	.22	.42	.82	.99	1.06								
Sept. 11	8:26 p. m.	10:25 p. m.	1.13	8:28 p. m.	8:55 p. m.	.01	.13	.36	.56	.70	.80	.85								
Oct. 23	8:40 p. m.	[3] 2:25 a. m.	.82	9:25 p. m.	9:46 p. m.	.09	.08	.24	.36	.41	.44									
Dec. 13	6:51 a. m.	10:40 a. m	.85	7:26 a. m.	7:41 a. m.	.07	.05	.24	.58											
MISSOURI VALLEY.																				
Columbia, Mo.:																				
Apr. 29	8:56 p. m.	D.N. p. m.	.58	9:35 p. m.	9:55 p. m.	.02	.14	.27	.35	.46										
May 11	3:02 p. m.	4:00 p. m.	.66	3:05 p. m.	3:17 p. m.	.01	.14	.45	.50											
June 21	12:07 p. m.	1:10 p. m.	.47	12:49 p. m.	1:01 p. m.	.05	.12	.34	.41											
July 31	8:44 a. m.	10:21 a. m.	1.47	8:48 a. m.	9:40 a. m.	.01	.17	.24	.24	.40	.68	.85	.93	1.10	1.30	1.42	1.44			
Aug. 20	2:32 p. m.	3:59 p. m.	.68	3:04 p. m.	3:15 p. m.	.08	.09	.42	.4[illegible]											
Aug. 29	[3] 8:53 p. m.	D.N. a. m.	.70	12:35 a. m.	12:55 a. m.	.04	.06	.29	.38	.48										
Sept. 10	12:06 p. m.	12:50 p. m.	.76	12:12 p. m.	12:29 p. m.	.01	.17	.43	.69	.73										
Sept. 15	D.N. a. m.	7:30 a. m.	.98	6:45 a. m.	7:10 a. m.	.39	.10	.35	.43	.49	.57									
Sept. 26	5:28 p. m.	6:33 p. m.	.80	5:59 p. m.	6:25 p. m.	.03	.09	.20	.42	.57	.75	.76								
Kansas City, Mo.:																				
Apr. 15	8:35 p. m.	10:45 p. m.	1.11	9:40 p. m.	10:06 p. m.	.36	.08	.17	.30	.52	.68	.72								
Apr. 16	[3] D.N. p. m.	1:00 a. m.	.55	12:13 a. m.	12:36 a. m.	.03	.08	.21	.33	.46	.53									
May 13	D.N. a. m.	6:45 a. m.	1.05	3:18 a. m.	3:44 a. m.	.20	.09	.18	.28	.43	.52	.57								
May 27	10:20 a. m.	12:40 p. m.	1.29	11:02 a. m.	12:14 p. m.	.11	.08	.17	.29	.40	.49	.54	.63	.71	.78	.80	.99	1.18		
June 8	3:15 a. m.	8:15 a. m.	3.14	4:37 a. m.	5:55 a. m.	.29	.17	.28	.34	.50	.99	1.36	1.48	1.55	1.57	1.86	2.20	2.58		
June 29	3:55 p. m.	9:10 p. m.	1.55	5:50 p. m.	6:22 p. m.	.16	.20	.38	.78	.93	1.02	1.11	1.16							
July 1	7:30 p. m.	8:45 p. m.	1.01	7:42 p. m.	8:09 p. m.	.02	.16	.39	.59	.75	.89	.95								
July 13	[3] 9:50 p. m.	6:00 a. m.	1.98	1:35 a. m.	2:18 a. m.	.85	.21	.24	.30	.32	.40	.43	.50	.62	.70					
July 25	3:55 a. m.	8:55 a. m.	3.56	4:06 a. m.	5:43 a. m.	.01	.08	.21	.49	.72	.80	.93	1.12	1.25	1.48	1.66	2.03	2.53	3.08	
July 31	6:00 p. m.	D.N. p. m.	1.10	6:54 p. m.	7:13 p. m.	.12	.11	.20	.46	.55										
Aug. 19	4:10 a. m.	7:00 a. m.	1.80	6:12 a. m.	6:48 a. m.	.38	.14	.25	.36	.52	.78	1.10	1.39	1.42						

[3] On previous date. [2] On following date. [6] Estimated.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MISSOURI VALLEY—continued.																				
St. Joseph, Mo.:																				
Mar. 24	D.N. a. m.	9:30 a. m.	2.56	5:27 a. m.	5:57 a. m.	0.26	0.07	0.18	0.21	0.28	0.43	0.59								
Mar. 24	D.N. a. m.	9:30 a. m.	2.56	8:16 a. m.	8:54 a. m.	1.21	.08	.19	.48	.70	.74	.92	1.16	1.32						
Mar. 24	12:36 p. m.	4:55 p. m.	1.06	1:04 p. m.	1:30 p. m.	.07	.07	.11	.24	.42	.61	.65								
Apr. 18	D.N. a. m.	6:25 a. m.	1.42	2:26 a. m.	3:30 a. m.	.08	.05	.18	.35	.52	.66	.75	.92	1.04	1.08	1.12	1.21	1.30		
Apr. 18	8:15 p. m.	[3]D.N. a. m.	1.18	11:03 p. m.	11:20 p. m.	.26	.47	.74	.82	.85										
May 19	8:20 p. m.	10:10 p. m.	.51	9:17 p. m.	9:27 p. m.	.05	.22	.38												
June 8	D.N. a. m.	D.N. a. m.	3.36	2:03 a. m.	3:03 a. m.	.01	.12	.36	.62	.78	.99	1.27	1.55	1.91	2.33	2.60	2.97			
June 8	D.N. a. m.	D.N. a. m.	3.36	3:52 a. m.	4:02 a. m.	3.02	.13	.32												
June 29	3:03 p. m.	5:20 p. m.	.82	3:10 p. m.	3:24 p. m.	.01	.15	.60	.75											
July 5	[2]9:09 p. m.	D.N. a. m.	1.82	1:37 a. m.	2:39 a. m.	.11	.14	.40	.69	1.02	1.07	1.11	1.25	1.36	1.43	1.50	1.61	1.69		
Sept. 2	3:01 p. m.	4:55 p. m.	.89	3:05 p. m.	3:32 p. m.	.01	.14	.44	.57	.70	.79	.81								
Sept. 10	7:33 a. m.	9:23 a. m.	.92	8:39 a. m.	9:02 a. m.	.04	.10	.24	.43	.67	.86									
Springfield, Mo.:																				
Mar. 11	7:41 a. m.	7:42 p. m.	1.69	2:04 p. m.	2:28 p. m.	.48	.16	.26	.35	.55	.69									
May 3	9:53 p. m.	11:02 p. m.	.71	9:55 p. m.	10:07 p. m.	.02	.28	.51	.60											
May 19	9:20 p. m.	[3]D.N. a. m.	1.77	10:21 p. m.	10:42 p. m.	.06	.12	.36	.58	.66	.70									
May 20	[2]9:20 p. m.	D.N. a. m.	1.77	12:53 a. m.	1:11 a. m.	1.25	.10	.15	.31	.47										
May 27-28	D.N. p. m.	D.N. a. m.	.73	11:45 p. m.	12:05 a. m.	.05	.11	.31	.40	.59										
July 3	6:54 p. m.	11:51 p. m.	.98	8:03 p. m.	8:22 p. m.	.17	.18	.34	.45	.63										
July 4	9:13 p. m.	D.N. p. m.	.59	9:26 p. m.	9:42 p. m.	.01	.14	.29	.41	.47										
Aug. 19	9:02 p. m.	[3]D.N. a. m.	1.69	9:26 p. m.	9.37 p. m.	.05	.36	.58	.61											
Aug. 20	[2]9:02 p. m.	D.N. a. m.	1.69	12:34 a. m.	12:42 a. m.	.79	.19	.32												
Aug. 20	[2]9:02 p. m.	D.N. a. m.	1.69	1:12 a. m.	1:30 a. m.	1.17	.13	.25	.35	.43										
Aug. 25	2:37 p. m.	8:20 p. m.	1.78	3:02 p. m.	3:34 p. m.	.07	.24	.46	.53	.70	.88	1.05	1.11							
Aug. 30	6:05 a. m.	7:51 a. m.	.88	6:11 a. m.	6:22 a. m.	.02	.21	.45	.50											
Aug. 30	6:05 a. m.	7:51 a. m.	.88	6:58 a. m.	7:03 a. m.	.58	.26													
Sept. 23	9:54 p. m.	[3]D.N. a. m.	1.39	10:27 p. m.	10:45 p. m.	.01	.24	.32	.57	.62										
Iola, Kans.:																				
Mar. 24	10:45 a. m.	3:15 p. m.	1.84	11:12 a. m.	11:40 a. m.	.07	.09	.16	.22	.30	.45	.50								
May 18	8:25 p. m.	9:40 p. m.	.71	8:28 p. m.	8:53 p. m.	.01	.09	.29	.45	.52	.57									
May 29	5:55 p. m.	6:20 p. m.	.59	5:57 p. m.	6:12 p. m.	.01	.09	.42	.54											
June 1	5:05 p. m.	D.N. p. m.	1.42	5:17 p. m.	6:02 p. m.	.01	.21	.43	.48	.50	.54	.61	.68	.75	.80					
June 8	9:10 a. m.	11:05 a. m.	.86	9:18 a. m.	10:02 a. m.	.03	.22	.32	.39	.46	.51	.55	.59	.66	.71					
June 29	7:30 p. m.	[2]6:10 a. m.	1.22	8:04 p. m.	8:24 p. m.	.04	.20	.33	.40	.45										
July 16	6:42 a. m.	11:20 a. m.	1.80	7:52 a. m.	8:22 a. m.	.18	.14	.53	.80	1.04	1.17	1.26								
Aug. 1	3:20 a. m.	3:50 a. m.	.42	3:24 a. m.	3:39 a. m.	.01	.15	.31	.38											
Aug. 12	12:15 a. m.	D.N. a. m.	1.34	12:20 a. m.	1:00 a. m.	.01	.05	.25	.34	.43	.54	.73	.95	1.02						
Aug. 25	1:30 p. m.	4:35 p. m.	.72	1:32 p. m.	1:52 p. m.	.01	.12	.26	.35	.40										
Aug. 31	4:35 p. m.	5:20 p. m.	.74	4:36 p. m.	5:00 p. m.	.01	.14	.38	.53	.62	.69									
Sept. 7	1:20 p. m.	2:20 p. m.	.55	1:30 p. m.	1:50 p. m.	.03	.07	.25	.34	.47										
Oct. 14	1:25 p. m.	4:50 p. m.	.94	2:18 p. m.	2:33 p. m.	.14	.19	.28	.57											
Topeka, Kans.:																				
Mar. 11	3:02 p. m.	9:30 p. m.	.92	4:46 p. m.	5:12 p. m.	.20	.20	.26	.30	.42	.56	.58								
Mar. 24	5:15 a. m.	6:59 a. m.	1.11	6:03 a. m.	6:49 a. m.	.12	.17	.28	.39	.46	.53	.59	.69	.77	.89	.96				
Apr. 18	1:30 p. m.	4:30 p. m.	.48	2:12 p. m.	2:18 p. m.	.09	.29	.35												
June 25	5:43 a. m.	10:35 a. m.	1.06	9:21 a. m.	9:35 a. m.	.33	.14	.34	.45											
June 29	4:20 p. m.	7:00 p. m.	1.01	4:40 p. m.	4:50 p. m.	.01	.39	.67												
July 12	8:15 p. m.	[3]D.N. a. m.	2.87	9:23 p. m.	10:34 p. m.	.09	.10	.30	.36	.39	.46	.53	.54	.55	.55	.56	.79	1.19		
July 12	8:15 p. m.	[3]D.N. a. m.	2.87	11:04 p. m.	11:47 p. m.	1.35	.17	.28	.36	.38	.40	.41	.49	.67	.72					
July 13	[2]8:15 p. m.	D.N. a. m.	2.87	12:34 a. m.	12:51 a. m.	2.26	.10	.30	.39	.45										
July 25	10:50 p. m.	[2]10:30 a. m.	2.31	11:14 p. m.	11:50 p. m.	.01	.15	.28	.31	.48	.87	1.21	1.38	1.41						
Aug. 19	6:34 a. m.	7:46 a. m.	.44	7:16 a. m.	7:27 a. m.	.04	.26	.36	.39											
Aug. 25	6:31 a. m.	8:17 a. m.	1.37	6:51 a. m.	7:50 a. m.	.01	.22	.29	.44	.46	.46	.48	.75	1.01	1.15	1.21	1.34			
Sept. 2	2:45 p. m.	4:00 p. m.	.70	2:58 p. m.	3:17 p. m.	.01	.27	.45	.59	.65										
Sept. 3	2:00 p. m.	5:15 p. m.	1.27	2:21 p. m.	2:48 p. m.	.05	.15	.44	.71	.80	.88	.93								
Oct. 14	10:55 a. m.	4:00 p. m.	1.09	1:13 p. m.	1:45 p. m.	.27	.14	.22	.30	.34	.41	.50	.57							
Drexel, Nebr.:																				
Mar. 23	4:35 p. m.	D.N. p. m.	1.00	7:06 p. m.	7:46 p. m.	.10	.12	.27	.33	.48	.68	.73	.76	.87						
May 22	5:35 p. m.	7:20 p. m.	.58	5:37 p. m.	5:52 p. m.	.01	.29	.38	.46											
June 25	3:42 a. m.	8:30 a. m.	.91	3:56 a. m.	4:16 a. m.	.01	.05	.25	.40	.48										
June 29	[2]D.N. p. m.	D.N. a. m.	.92	1:24 a. m.	1:38 a. m.	.16	.15	.28	.37											
July 1	1:25 a. m.	3:10 a. m.	.85	1:28 a. m.	2:03 a. m.	.01	.11	.31	.49	.61	.71	.76	.82							
July 5	10:44 a. m.	1:50 p. m.	1.13	11:47 a. m.	12:22 p. m.	.10	.17	.37	.48	.60	.75	.78	.84							
Aug. 20	7:50 a. m.	1:30 p. m.	1.66	8:57 a. m.	9:40 a. m.	.07	.07	.10	.18	.24	.27	.51	.66	.89	.94					
Oct. 14	10:20 a. m.	10:50 a. m.	.53	10:31 a. m.	10:41 a. m.	.02	.26	.50												
Oct. 14	1:50 p. m.	4:30 p. m.	1.32	1:57 p. m.	3:07 p. m.	.04	.15	.39	.48	.55	.58	.60	.64	.75	.82	.85	.96	1.14		
Lincoln, Nebr.:																				
May 11	8:50 p. m.	[3]D.N. a. m.	1.26	8:52 p. m.	9:40 p. m.	.01	.07	.26	.32	.33	.33	.42	.56	.70	.80	.86				
May 22	5:43 p. m.	7:20 p. m.	.78	5:43 p. m.	6:10 p. m.	0	.07	.35	.51	.55	.63	.68								
July 13	9:09 p. m.	[3]D.N. a. m.	1.09	9:25 p. m.	9:57 p. m.	.01	.20	.27	.33	.37	.45	.51	.57							
July 31	5:25 a. m.	7:15 a. m.	.80	5:31 a. m.	5:54 a. m.	.01	.25	.43	.58	.68	.73									
Aug. 20	10:29 a. m.	12:40 p. m.	.90	10:35 a. m.	11:05 a. m.	.01	.10	.22	.37	.52	.56	.62								
Oct. 14	1:20 p. m.	2:45 p. m.	.67	1:36 p. m.	2:10 p. m.	.03	.10	.17	.28	.37	.42	.51	.58							
Omaha, Nebr.:																				
May 22[4]	6:00 p. m.	7:45 p. m.	.58	6:14 p. m.	6:36 p. m.	.01	.14	.29	.42	.48	.54									
June 1	[3]D.N. p. m.	D.N. a. m.	1.09	1:20 a. m.	2:17 a. m.	.06	.12	.22	.33	.35	.35	.35	.35	.37	.53	.78	1.03			
July 1	7:48 a. m.	8:35 a. m.	.36	8:04 a. m.	8:15 a. m.	.01	.23	.32	.34											
Valentine, Nebr.:																				
May 25	7:45 p. m.	[2]1:40 a. m.	3.16	8:32 p. m.	9:39 p. m.	.15	.21	.43	.63	.64	.78	1.00	1.14	1.27	1.40	1.52	1.80	1.97		
May 25	7:45 p. m.	1:40 a. m.	3.16	10:39 p. m.	10:53 p. m.	2.13	.26	.46	.58											
May 25	11:58 a. m.	1:40 p. m.	1.02	12:46 p. m.	1:12 p. m.	.20	.08	.19	.32	.59	.80	.82								
July 5	2:53 p. m.	4:25 p. m.	.66	3:22 p. m.	3:35 p. m.	.01	.38	.53	.58											
Sept. 20	7:10 p. m.	[2]3:20 a. m.	1.88	10:36 p. m.	10:47 p. m.	.03	.18	.30												
Sept. 21	[2]7:10 p. m.	3:20 a. m.	1.88	12:47 a. m.	1:22 a. m.	.80	.09	.26	.32	.44	.52	.58	.72							

[2] On previous date. [3] On following date. [4] Defective record.

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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.																				
Sioux City, Iowa:																				
May 12	[2] 11:10 p.m.	D.N. a.m.	1.27	12:13 a.m.	12:44 a.m.	0.12	0.13	0.20	0.26	0.33	0.47	0.60	0.64							
May 26	4:10 a.m.	8:15 a.m.	.93	4:21 a.m.	4:33 a.m.	.03	.26	.38	.43											
June 30	10:15 p.m.	12:00 mid.	1.08	10:24 p.m.	10:57 p.m.	.01	.23	.52	.65	.73	.82	.90	.96							
July 4	8:50 p.m.	[3] 4:30 a.m.	.69	9:05 p.m.	9:26 p.m.	.02	.15	.22	.34	.48	.53									
July 13	3:25 p.m.	5:20 p.m.	1.00	4:03 p.m.	4:23 p.m.	.01	.35	.67	.79	.87										
July 14	12:30 a.m.	2:30 a.m.	.62	12:42 a.m.	12:52 a.m.	.03	.27	.44												
Aug. 6	4:45 p.m.	6:30 p.m.	.79	4:49 p.m.	5:01 p.m.	.01	.14	.31	.37											
Huron, S. Dak.:																				
June 30	5:00 p.m.	7:38 p.m.	1.28	5:06 p.m.	5:46 p.m.	.01	.18	.45	.71	.87	.99	1.06	1.11	1.19						
July 4	3:20 p.m.	5:30 p.m.	1.62	3:47 p.m.	4:17 p.m.	.05	.07	.14	.33	.67	1.03	1.26								
July 7	10:54 a.m.	1:17 p.m.	1.28	11:04 a.m.	11:13 a.m.	.01	.21	.31												
July 7	10:54 a.m.	1:17 p.m.	1.28	12:21 p.m.	12:31 p.m.	.38	.34	.74												
Aug. 28	3:20 p.m.	6:00 p.m.	.86	3:52 p.m.	4:17 p.m.	.03	.17	.30	.42	.52	.66									
Sept. 23	7:03 p.m.	D.N. p.m.	1.17	7:08 p.m.	7:23 p.m.	.01	.30	.55	.74											
Pierre, S. Dak.:																				
May 25	7:20 p.m.	[3] D.N. a.m.	.88	7:46 p.m.	7:56 p.m.	.01	.23	.34												
June 30	D.N. a.m.	D.N. a.m.	.36	1:03 a.m.	1:13 a.m.	.01	.17	.33												
July 1	8:44 a.m.	10:30 a.m.	.64	9:44 a.m.	10:16 a.m.	.07	.19	.27	.35	.41	.45	.51	.55							
July 5	D.N. a.m.	D.N. a.m.	.74	2:41 a.m.	3:01 a.m.	.02	.06	.20	.40	.46										
Yankton, S. Dak.:																				
May 11	12:55 p.m.	[3] 4:45 a.m.	2.54	8:12 p.m.	8:42 p.m.	.63	.14	.19	.25	.35	.46	.52								
May 26	12:05 a.m.	5:30 a.m.	2.94	12:33 a.m.	1:03 a.m.	.15	.10	.23	.54	.79	.86	.94								
May 26	12:05 a.m.	5:30 a.m.	2.94	2:11 a.m.	2:56 a.m.	1.28	.22	.49	.68	.84	.94	1.03	1.10	1.14	1.20					
Aug. 28	4:35 p.m.	6:05 p.m.	1.37	4:49 p.m.	5:41 p.m.	.03	.09	.24	.29	.31	.40	.62	.71	.89	1.11	1.21	1.28			
Sept. 25	2:15 p.m.	3:20 p.m.	.51	2:18 p.m.	2:28 p.m.	.01	.23	.34												
NORTHERN SLOPE.																				
Havre, Mont.:																				
June 16	7.32 p.m.	11:40 p.m.	1.32	8:22 p.m.	8:41 p.m.	.01	.10	.24	.45	.51										
Helena, Mont.[1]																				
Kalispell, Mont.:																				
Aug. 10	5:40 p.m.	9:30 p.m.	1.06	5:50 p.m.	6:08 p.m.	.01	.18	.62	.88	.95										
Rapid City, S. Dak.[1]																				
Cheyenne, Wyo.:																				
Sept. 6	12:05 p.m.	3:12 p.m.	1.59	12:09 p.m.	1:10 p.m.	.01	.08	.11	.20	.31	.41	.53	.62	.75	.88	1.07	1.35	1.42		
Lander, Wyo.:																				
Sept. 6	9:04 p.m.	[3] 12:01 a.m.	1.17	9:59 p.m.	10:45 p.m.	.09	.10	.17	.29	.41	.48	.52	.56	.62	.68	.70				
Sheridan, Wyo.:																				
July 10	7:10 p.m.	8:40 p.m.	.81	7:42 p.m.	8:02 p.m.	.01	.10	.51	.56	.69										
Yellowstone Park, Wyo.[1]																				
North Platte, Nebr.:																				
May 24	10:18 p.m.	11:20 p.m.	1.35	10:25 p.m.	11:05 p.m.	.02	.06	.12	.18	.45	.73	1.00								
June 24-25	11:37 p.m.	D.N. a.m.	.82	11:43 p.m.	12:22 a.m.	.01	.08	.25	.38	.48	.54	.58	.67	.74						
Aug. 19-20	10:37 p.m.	11:57 a.m.	3.19	11:02 p.m.	12:18 a.m.	.02	.17	.44	.56	.64	.90	1.17	1.52	1.69	1.74	1.78	1.88	2.27		
Sept. 3	1:57 p.m.	2:20 p.m.	.72	1:57 p.m.	2:04 p.m.	0	.58	.65												
MIDDLE SLOPE.																				
Denver, Colo.[1]																				
Pueblo, Colo.:																				
July 18	5:27 p.m.	9:25 p.m.	1.14	5:32 p.m.	6:17 p.m.	.01	.15	.32	.53	.68	.72	.75	.79	.86	.91					
Aug. 20	3:22 p.m.	6:03 p.m.	1.19	3:48 p.m.	4:24 p.m.	.05	.05	.14	.19	.36	.71	.91	.97	1.01						
Sept. 1	6:00 p.m.	D.N. p.m.	.54	9:02 p.m.	9:13 p.m.	.10	.20	.37	.41											
Concordia, Kans.:																				
May 12	12:56 p.m.	1:32 p.m.	.75	1:04 p.m.	1:23 p.m.	.01	.16	.30	.54	.73										
May 12	4:17 p.m.	5:58 p.m.	1.11	5:10 p.m.	5:35 p.m.	.10	.07	.49	.77	.92	.96									
July 5	2:30 a.m.	5:18 a.m.	.95	2:38 a.m.	3:08 a.m.	.01	.08	.20	.23	.30	.49	.73								
July 5	9:56 p.m.	11:40 p.m.	.50	10:00 p.m.	10:14 p.m.	.01	.13	.34	.43											
Aug. 11	4:18 p.m.	5:34 p.m.	1.71	4:22 p.m.	4:40 p.m.	.01	.42	.84	1.27	1.35										
Aug. 31	[2] 11:12 p.m.	5:22 a.m.	.97	2:38 a.m.	2:55 a.m.	.37	.12	.27	.36	.39										
Dodge City, Kans.:																				
May 6	5:30 a.m.	7:35 a.m.	.51	5:36 a.m.	5:50 a.m.	.04	.14	.29	.35											
May 10	11:05 p.m.	[3] D.N. a.m.	.64	11:12 p.m.	11:33 p.m.	.03	.11	.22	.41	.52	.55									
July 9	D.N. a.m.	7:15 a.m.	1.73	2:17 a.m.	2:47 a.m.	.01	.16	.57	.87	1.11	1.26	1.33								
Aug. 20	[4] 10:10 p.m.	D.N. a.m.	1.00	1:11 a.m.	1:36 a.m.	.31	.05	.19	.37	.51	.62									
Sept. 4	8:20 p.m.	8:35 p.m.	.32	8:20 p.m.	8:28 p.m.	0.	.16	.31												
Sept. 6	5:10 a.m.	6:55 a.m.	.71	5:53 a.m.	6:15 a.m.	.14	.10	.17	.28	.49	.53									
Sept. 7	[2] D.N. p.m.	6:25 a.m.	1.42	2:09 a.m.	2:22 a.m.	.30	.12	.30	.35											
Oct. 21	6:48 a.m.	3:10 p.m.	.80	9:07 a.m.	9:21 a.m.	.02	.18	.37	.41											
Wichita, Kans.:																				
May 19	4:40 a.m.	5:15 a.m.	1.26	4:46 a.m.	5:03 a.m.	.04	.21	.56	1.12	1.21										
June 1	3:35 p.m.	5:30 p.m.	1.30	3:44 p.m.	4:33 p.m.	.01	.13	.31	.47	.64	.75	.86	.97	1.01	1.10	1.15				
June 30	D.N. a.m.	D.N. a.m.	.56	1:53 a.m.	2:10 a.m.	.02	.13	.32	.39	.45										
July 16	D.N. a.m.	10:15 a.m.	1.48	5:07 a.m.	5:35 a.m.	.01	.21	.51	.72	.84	.93	.98								
July 31	5:35 p.m.	6:15 p.m.	1.50	5:41 p.m.	6:12 p.m.	.01	.30	.64	.98	1.14	1.25	1.46	1.49							
Aug. 20	D.N. a.m.	6:20 a.m.	.98	3:33 a.m.	4:12 a.m.	.02	.19	.33	.35	.42	.53	.66	.73	.78						
Aug. 31	5:05 p.m.	[3] D.N. a.m.	1.43	6:37 p.m.	7:06 p.m.	.40	.18	.32	.51	.61	.70	.75								
Sept. 3	5:15 p.m.	D.N. p.m.	.93	5:28 p.m.	5:52 p.m.	.02	.09	.16	.32	.47	.60									
Sept. 26	D.N. a.m.	D.N. a.m.	1.38	12:55 a.m.	1:20 a.m.	.03	.05	.12	.16	.30	.56									
Sept. 26	D.N. a.m.	D.N. a.m.	1.38	2:55 a.m.	3:05 a.m.	.83	.26	.33												
Oct. 20	D.N. a.m.	12:40 p.m.	1.57	3:10 a.m.	3:28 a.m.	.02	.17	.22	.36	.46										
Oct. 21	6:10 p.m.	D.N. p.m.	.67	6:25 p.m.	6:40 p.m.	.01	.19	.31	.38											

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

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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 SLOPE—con.																				
Broken Arrow, Okla.:																				
Mar. 11	7:50 a.m.	1:12 p.m.	0.81	11:24 a.m.	12:00 noon.	0.02	0.05	0.14	0.34	0.38	0.40	0.49	0.58	0.65						
Mar. 24	7:15 p.m.	[3]12:15 p.m.	2.63	9:29 p.m.	9:42 p.m.	.05	.26	.37	.41											
Apr. 8	9:17 a.m.	9:30 p.m.	1.92	11:14 a.m.	11:31 a.m.	.13	.12	.44	.69	.74										
May 5	10:15 p.m.	11:30 p.m.	.36	10:20 p.m.	10:28 p.m.	.01	.24	.31												
May 7	D.N.a.m.	D.N.a.m.	.51	1:01 a.m.	1:20 a.m.	.02	.07	.26	.33	.47										
May 19	6:06 a.m.	7:31 a.m.	.50	7:06 a.m.	7:25 a.m.	.03	.10	.27	.37	.47										
May 23	1:37 p.m.	4:25 p.m.	1.59	2:11 p.m.	2:31 p.m.	.08	.12	.44	.73	.89										
Aug. 11	4:55 p.m.	7:00 p.m.	1.31	4:58 p.m.	5:24 p.m.	.01	.08	.22	.32	.40	.48	.51								
Aug. 11	4:55 p.m.	7:00 p.m.	1.31	5:55 p.m.	6:36 p.m.	.58	.09	.23	.38	.43	.51	.55	.61	.69	0.72					
Aug. 12	D.N.a.m.	D.N.a.m.	.99	1:45 a.m.	2:01 a.m.	.23	.32	.46	.55	.59										
Sept. 26	7:35 p.m.	10:35 p.m.	1.55	8:16 p.m.	9:12 p.m.	.11	.11	.33	.50	.70	.86	.96	1.12	1.19	1.26	1.32	1.40			
Oct. 14	1:15 p.m.	5:25 p.m.	.86	1:24 p.m.	1:58 p.m.	.01	.12	.21	.30	.35	.44	.60	.65							
Oct. 18	8:30 p.m.	[3]7:40 a.m.	1.94	8:39 p.m.	9:20 p.m.	.01	.16	.25	.36	.45	.59	.75	.84	.90	.93					
Oct. 22	[2]10:15 p.m.	8:15 a.m.	2.19	6:31 a.m.	6:54 a.m.	.98	.08	.24	.45	.71	.84									
Oklahoma, Okla.:																				
Mar. 10	8:37 p.m.	10:50 p.m.	.64	9:11 p.m.	9:31 p.m.	.04	.05	.14	.38	.50										
Mar. 24	7:50 a.m.	9:25 a.m.	1.05	8:38 a.m.	9:08 a.m.	.09	.06	.18	.40	.62	.79	.88								
Mar. 24	6:27 p.m.	7:45 p.m.	.48	7:11 p.m.	7:29 p.m.	.01	.18	.29	.43	.47										
May 11	D.N.a.m.	7:20 a.m.	2.84	3:40 a.m.	4:00 a.m.	.01	.13	.51	.75	.81										
May 11	D.N.a.m.	7:20 a.m.	2.84	5:16 a.m.	5:33 a.m.	1.24	.21	.71	1.07	1.14										
July 16	D.N.a.m.	10:10 a.m.	1.29	5:16 a.m.	5:25 a.m.	.01	.21	.33												
July 16	D.N.a.m.	10:10 a.m.	1.29	7:36 a.m.	8:10 a.m.	.47	.08	.17	.19	.34	.52	.57	.72							
Aug. 9 [4]	3:30 p.m.	6:25 p.m.	.96	3:43 p.m.	3:58 a.m.	.01	.11	.35	.61											
Aug. 11	3:38 p.m.	4:45 p.m.	.93	3:52 p.m.	4:12 p.m.	.02	.09	.48	.70	.84										
Aug. 20	7:40 p.m.	[3]7:05 a.m.	.97	7:48 p.m.	8:18 p.m.	.04	.10	.28	.35	.37	.43	.50								
Aug. 27	12:02 p.m.	1:40 p.m.	.76	12:57 p.m.	1:34 p.m.	.04	.14	.26	.33	.41	.54	.67	.72							
Sept. 1	[2]11:55 p.m.	7:05 a.m.	2.30	1:18 a.m.	1:59 a.m.	.41	.20	.36	.45	.54	.59	.61	.72	.77	.80					
Sept. 1	[2]11:55 p.m.	7:05 a.m.	2.30	3:56 a.m.	4:11 a.m.	1.72	.15	.32	.39											
Sept. 4	[2]11:05 p.m.	D.N.a.m.	1.00	12:05 a.m.	12:29 a.m.	.12	.13	.29	.41	.54	.63									
Oct. 14	9:50 a.m.	11:50 a.m.	.47	10:16 a.m.	10:34 a.m.	.02	.11	.19	.30	.43										
Oct. 18	6:25 a.m.	10:45 a.m.	.88	6:50 a.m.	7:28 a.m.	.01	.09	.19	.35	.40	.45	.48	.53	.64						
SOUTHERN SLOPE.																				
Abilene, Tex.:																				
May 7	1:20 p.m.	3:00 p.m.	1.70	1:35 p.m.	2:00 p.m.	.01	.21	.70	1.23	1.54	1.63									
May 9	5:35 p.m.	[3]D.N.a.m.	2.58	5:50 p.m.	6:06 p.m.	.01	.17	.38	.52	.54										
May 9	5:35 p.m.	[3]D.N.a.m.	2.58	7:43 p.m.	7:51 p.m.	.80	.21	.37												
May 10	[2]5:35 p.m.	D.N.a.m.	2.58	12:27 a.m.	12:49 a.m.	1.97	.13	.23	.30	.41	.46									
May 11	D.N.a.m.	D.N.a.m.	1.47	3:25 a.m.	4:16 a.m.	.06	.27	.40	.45	.52	.62	.72	.90	1.04	1.28	1.36	1.41			
June 19	D.N.a.m.	D.N.a.m.	.94	12:56 a.m.	1:19 a.m.	.01	.14	.34	.55	.60	.65									
July 19	1:40 p.m.	2:45 p.m.	1.21	1:47 p.m.	2:13 p.m.	.01	.14	.32	.64	.95	1.12	1.15								
July 21	12:55 p.m.	2:30 p.m.	.55	1:03 p.m.	1:21 p.m.	.03	.08	.20	.35	.44										
Aug. 11	9:15 p.m.	[3]D.N.a.m.	.84	9:28 p.m.	9:53 p.m.	.01	.12	.25	.40	.50	.56									
Aug. 16	10:00 a.m.	3:45 p.m.	2.74	12:15 p.m.	1:01 p.m.	.26	.10	.17	.29	.41	.51	.57	.65	.77	.87	.91				
Aug. 16	10:00 a.m.	3:45 p.m.	2.74	2:39 p.m.	3:22 p.m.	1.56	.07	.12	.25	.52	.73	.95	1.00	1.08	1.17					
Sept. 1	6:00 p.m.	8:20 p.m.	.71	6:17 p.m.	6:37 p.m.	.02	.16	.29	.41	.47										
Sept. 5	4:10 p.m.	5:15 p.m.	2.43	4:19 p.m.	4:56 p.m.	.01	.40	1.06	1.48	1.77	2.03	2.24	2.37	2.41						
Sept. 5	5:55 p.m.	D.N.p.m.	1.05	7:34 p.m.	7:45 p.m.	.02	.24	.58	.61											
Oct. 19	1:20 p.m.	2:05 p.m.	.53	1:32 p.m.	1:52 p.m.	.01	.07	.17	.38	.52										
Dec. 20	8:08 p.m.	9:00 p.m.	.44	8:21 p.m.	8:32 p.m.	.03	.10	.37	.39											
Amarillo, Tex.:																				
Aug. 4	5:25 p.m.	[3]D.N.a.m.	1.50	10:52 p.m.	11:12 p.m.	.18	.16	.54	.86	1.04										
Sept. 4	9:15 p.m.	D.N.p.m.	.76	9:38 p.m.	9:59 p.m.	.07	.15	.31	.46	.55	.58									
Sept. 6	[2]D.N.p.m.	D.N.a.m.	1.65	12:25 a.m.	12:50 a.m.	.14	.17	.65	.95	1.22	1.30									
Nov. 7	[2]10:15 p.m.	9:45 a.m.	.85	3:52 a.m.	4:19 a.m.	.07	.08	.20	.24	.30	.46	.49								
Del Rio, Tex.:																				
May 13	7:01 p.m.	[3]D.N.a.m.	1.53	7:09 p.m.	7:35 p.m.	.03	.09	.26	.46	.70	.82	.86								
July 6	D.N.p.m.	D.N.p.m.	.50	9:59 p.m.	10:15 p.m.	.02	.10	.27	.45	.47										
July 27	D.N.a.m.	11:10 a.m.	.78	5:46 a.m.	5:55 a.m.	.17	.20	.31												
Aug. 13	[2]D.N.p.m.	D.N.a.m.	1.09	12:01 a.m.	12:28 a.m.	.06	.09	.24	.33	.41	.48	.52								
Sept. 17	7:40 p.m.	9:50 p.m.	1.80	7:53 p.m.	8:02 p.m.	.01	.22	.35												
Sept. 17	7:40 p.m.	9:50 p.m.	1.80	9:11 p.m.	9:40 p.m.	.44	.27	.52	.69	.99	1.25	1.35								
Sept. 28	4:40 p.m.	5:50 p.m.	.81	4:47 p.m.	5:17 p.m.	.01	.25	.43	.48	.61	.69	.76								
Roswell, N. Mex.:																				
May 26	12:01 p.m.	1:54 p.m.	1.00	1:10 p.m.	1:25 p.m.	.03	.19	.67	.94											
June 13	11:27 p.m.	[2]12:45 a.m.	.64	11:32 p.m.	11:53 p.m.	.01	.06	.20	.38	.58	.61									
Sept. 13	1:37 p.m.	2:23 p.m.	.57	1:50 p.m.	2:16 p.m.	.01	.12	.19	.30	.45	.54	.56								
Sept. 21	12:38 p.m.	2:17 p.m.	.53	12:43 p.m.	1:00 p.m.	.01	.18	.27	.34	.40										
SOUTHERN PLATEAU.																				
El Paso, Tex.:																				
June 27	10:05 p.m.	[3]D.N.a.m.	.50	11:27 p.m.	11:48 p.m.	.02	.07	.10	.17	.43	.47									
July 19-20	11:40 p.m.	D.N.a.m.	.52	11:54 p.m.	12:12 a.m.	.01	.08	.28	.44	.49										
Santa Fe, N. Mex.:																				
May 21	11:55 a.m.	6:20 p.m.	1.22	12:10 p.m.	12:25 p.m.	T.	.15	.36	.55											
Phoenix, Ariz.[1]																				
Independence, Calif.[1]																				

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

Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes or 0.80 in 1 hour during 1920 at all stations furnished with self-registering gages—Continued.

Station and date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths 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 PLATEAU.																				
Reno, Nev.[1]																				
Tonopah, Nev.[1]																				
Winnemucca, Nev.[1]																				
Modena, Utah[1]																				
Salt Lake City, Utah:																				
Sept. 5	11:45 p. m.	[3]D.N. a. m.	0.38	11:51 p. m.	12:00 mid.	0.01	0.29	0.33												
Grand Junction, Colo.[1]																				
NORTHERN PLATEAU																				
Baker, Oreg.[1]																				
Boise, Idaho[1]																				
Lewiston, Idaho[1]																				
Pocatello, Idaho:																				
June 28	12:40 p. m.	2:25 p. m.	.37	2:10 p. m.	2:20 p. m.	.07	.16	.30												
Aug. 2	1:08 p. m.	3:38 p. m.	1.27	2:43 p. m.	3:31 p. m.	.07	.10	.26	0.49	0.62	0.77	0.94	1.05	1.09	1.16	1.20				
Spokane, Wash.[1]																				
Walla Walla, Wash.[1]																				
NORTH PACIFIC COAST REGION.																				
North Head, Wash.:																				
Sept. 24	D.N. p. m.	D.N. p. m.	.37	11:39 p. m.	11:52 p. m.	.01	.10	.26	.36											
Dec. 10	6:42 a. m.	D.N. p. m.	1.38	3:49 p. m.	4:45 p. m.	.42	.05	.10	.16	.26	.45	.53	.57	.60	.65	.74	0.88			
Port Angeles, Wash.[1]																				
Seattle, Wash.[1]																				
Tacoma, Wash.:																				
Oct. 5	8:30 p. m.	[3]12:30 a. m.	.34	11:39 p. m.	11:44 p. m.	.06	.25													
Tatoosh Island, Wash.[1]																				
Portland, Oreg.[1]																				
Roseburg, Oreg.[1]																				
MIDDLE PACIFIC COAST REGION.																				
Eureka, Calif.[1]																				
Mount Tamalpais, Calif.[1]																				
Point Reyes, Calif.[1]																				
Red Bluff, Calif.:																				
Oct. 11	3:10 p. m.	[3]D.N. a. m.	.77	6:17 p. m.	6:33 p. m.	.16	.11	.31	.40	.42										
Sacramento, Calif.[1]																				
San Francisco, Calif.[1]																				
San Jose, Calif.[1]																				
SOUTH PACIFIC COAST REGION.																				
Fresno, Calif.[1]																				
Los Angeles, Calif.[1]																				
San Diego, Calif.[1]																				
San Luis Obispo, Calif.[1]																				
ISLAND POSSESSIONS.																				
San Juan, P. R.:																				
Jan. 1	D.N. a. m.	D.N. a. m.	2.03	3:31 a. m.	4:45 a. m.	.02	.16	.28	.62	.68	.77	.99	1.08	1.22	1.23	1.23	1.26	1.62		
Mar. 2	1:22 p. m.	2:10 p. m.	.52	1:35 p. m.	1:50 p. m.	.03	.21	.40	.47											
Mar. 4	2:44 p. m.	3:39 p. m.	.66	2:49 p. m.	3:16 p. m.	.01	.10	.32	.46	.49	.56	.61								
Apr. 19	3:26 p. m.	5:53 p. m.	1.02	4:01 p. m.	4:15 p. m.	.01	.28	.53	.59											
May 23	11:16 a. m.	4:30 p. m.	.99	2:34 p. m.	3:08 p. m.	.10	.15	.30	.40	.47	.57	.68	.80							
May 24	1:48 p. m.	9:50 p. m.	2.57	6:47 p. m.	8:31 p. m.	.29	.09	.16	.24	.35	.43	.47	.52	.59	.72	.79	.89	1.32	1.81	1.97
June 19	D.N. a. m.	D.N. a. m.	.57	3:33 a. m.	3:51 a. m.	.01	.17	.25	.44	.53										
June 27	11:55 a. m.	2:26 p. m.	1.19	11:57 a. m.	12:18 p. m.	.01	.08	.15	.36	.61	.66									
June 30	11:45 a. m.	12:49 p. m.	1.48	11:48 a. m.	12:18 p. m.	.01	.22	.49	.82	.96	1.09	1.27								
Aug. 1	6:45 a. m.	7:30 a. m.	.39	7:20 a. m.	7:25 a. m.	.08	.31													
Sept. 17	12:28 p. m.	4:05 p. m.	1.48	1:21 p. m.	1:54 p. m.	.29	.12	.29	.39	.52	.70	.89	1.01							
Sept. 18	12:50 p. m.	4:15 p. m.	.83	1:04 p. m.	1:54 p. m.	.04	.11	.16	.26	.37	.40	.42	.54	.58	.60	.71				
Sept. 28	D.N. a. m.	D.N. a. m.	1.65	2:39 a. m.	3:50 a. m.	.10	.13	.18	.24	.25	.28	.43	.50	.53	.55	.63	.90	1.35		
Oct. 9	D.N. a. m.	D.N. a. m.	.57	12:36 a. m.	12:46 a. m.	.07	.21	.47												
Oct. 23	6:45 p. m.	8:05 p. m.	2.05	6:53 p. m.	7:31 p. m.	.02	.10	.47	.81	1.05	1.33	1.72	1.86	1.96						
Nov. 5	7:18 a. m.	7:50 a. m.	.64	7:22 a. m.	7:41 a. m.	.01	.24	.40	.56	.62										
Nov. 9	8:55 p. m.	D.N. p. m.	1.07	9:45 p. m.	9:58 p. m.	.27	.25	.59	.76											
Dec. 24	[2]D.N. p. m.	7:00 a. m.	1.07	5:08 a. m.	5:13 a. m.	.57	.25													
Dec. 29	D.N. a. m.	9:05 a. m.	.68	1:41 a. m.	1:52 a. m.	.07	.23	.39	.42											
Honolulu, Hawaii:																				
Mar. 22	8:30 a. m.	9:35 a. m.	.51	8:36 a. m.	8:47 a. m.	.01	.10	.46	.50											
Mar. 25	7:50 a. m.	9:50 a. m.	.49	9:04 a. m.	9:17 a. m.	.05	.10	.33	.39											
Dec. 13	D.N. a. m.	3:15 p. m.	1.39	12:35 a. m.	12:55 a. m.	.02	.11	.33	.45	.55										
Dec. 23	8:25 a. m.	[3]D.N. a. m.	4.52	9:27 p. m.	9:57 p. m.	2.49	.09	.34	.65	.88	1.11	1.29								
Dec. 24	[2]8:25 a. m.	D.N. a. m.	4.52	1:45 a. m.	1:55 a. m.	3.97	.24	.52												

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

PART III.

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR TWO HUNDRED AND FOURTEEN STATIONS DURING 1920.

EXPLANATION OF THE TABLES.

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

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

Each barometer, before issue to station, is compared with the substandard at Washington, and a certificate or correction card furnished showing the several constant corrections that must be applied to the readings of the instrument in order to derive therefrom the actual pressure of the air in standard units as 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 latitude and altitude terms.

(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. At several Alaska stations the mean is printed uncorrected.

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) $C.\triangle\theta.H$. 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) $\triangle A$. The local correction for certain stations to reduce them to a homogeneous system.

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

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

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

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

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

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

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, and at noon, local 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., noon, 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, normal standard time. 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 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, and at noon, local time, on a scale of 0–10. These 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 were 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 prevailed for at least an hour and was dense enough to obscure objects 1,000 feet distant.

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

Annual meteorological summary for the year ending December 31, 1920.

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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.359	28.750	27.940	33.6	47.3	43.9	51.6	31.3	41.4	74	18	30	31	32	86	58	65	0.168	0.181	0.184	3.02	0.89	6.7	7.1	6.3	7.0
February	28.275	28.710	27.910	41.3	54.5	52.8	59.9	38.2	49.0	80	22	36	36	35	80	51	54	.221	.223	.221	.30	.16	6.2	6.7	7.2	6.8
March	28.108	28.720	27.512	45.9	64.7	62.8	69.8	42.3	56.0	86	16	30	27	28	56	27	29	.194	.173	.176	.01	.01	5.3	3.9	3.8	4.3
April	27.981	28.311	27.492	52.0	71.6	71.3	77.2	48.1	62.6	93	26	34	32	30	55	29	25	.218	.207	.188	.29	.16	3.9	2.8	3.0	3.3
May	28.099	28.350	27.820	64.9	79.0	75.8	82.7	61.4	72.0	99	47	59	58	57	82	52	58	.505	.492	.482	8.26	2.58	5.7	5.9	4.6	5.5
June	28.164	28.320	27.863	69.8	84.4	83.9	88.4	66.4	77.4	95	60	64	62	61	82	48	47	.592	.550	.538	1.77	.94	5.2	4.3	4.1	4.2
July	28.199	28.380	27.890	74.3	92.0	88.5	95.5	71.6	83.6	102	65	64	61	61	71	36	42	.600	.539	.538	1.81	1.21	4.4	4.5	4.2	4.2
August	28.187	28.420	27.936	70.1	80.6	80.4	84.9	68.3	76.6	100	60	66	67	67	88	65	65	.651	.657	.660	9.03	3.12	7.3	7.2	6.0	6.8
September	28.168	28.480	27.897	66.7	84.1	78.2	87.7	65.4	76.6	96	42	61	63	62	84	50	60	.556	.590	.582	5.66	4.18	3.2	3.2	3.0	3.1
October	28.195	28.530	27.890	58.9	74.5	67.9	77.5	56.4	67.0	88	41	52	52	51	80	48	58	.410	.405	.384	2.77	1.59	5.2	4.0	3.2	4.1
November	28.345	28.770	27.990	42.8	56.3	51.6	59.4	39.4	49.4	75	19	37	37	38	81	52	62	.248	.252	.257	1.92	.86	4.9	4.2	3.3	4.6
December	28.177	28.760	27.680	38.5	55.3	49.5	59.2	34.4	46.8	77	19	27	26	28	65	35	46	.153	.146	.161	.63	.44	2.8	3.2	2.4	3.0
Year	28.188	28.770	27.492	54.9	70.4	67.2	74.5	51.9	63.2	102	16	47	46	46	76	46	51	.376	.368	.364	35.47	4.18	5.1	4.8	4.3	4.7

ALBANY, N. Y.

[ϕ=42° 39′ N.; λ=73° 45′ W.]

January	30.090	30.980	29.340	11.6	16.7	15.2	23.4	4.8	14.1	42	−17	7	9	9	83	71	76	0.067	0.073	0.067	1.73	0.54	6.9	5.3	4.5	5.6
February	29.891	30.980	29.180	18.0	24.3	24.0	30.1	13.1	21.6	43	−20	14	18	19	83	75	80	.087	.099	.106	3.36	1.92	7.4	6.3	5.0	6.2
March	29.859	30.411	29.080	29.5	38.2	36.2	43.5	24.5	34.0	65	2	22	27	28	74	66	75	.126	.159	.160	2.72	1.18	5.1	4.7	4.0	4.5
April	29.708	30.096	29.050	41.5	48.0	45.7	52.6	36.2	44.4	69	25	32	32	32	70	56	60	.188	.183	.185	3.90	1.11	5.7	5.6	4.1	5.7
May	29.940	30.375	29.640	53.8	62.6	60.4	66.8	47.7	57.2	85	33	43	42	43	67	51	55	.284	.281	.289	.73	.19	4.5	4.0	4.3	4.1
June	29.843	30.226	29.450	63.6	72.1	69.8	76.2	56.9	66.6	90	48	54	54	56	73	56	64	.396	.433	.461	5.21	1.87	5.5	5.6	5.3	5.2
July	29.845	30.130	29.400	66.5	75.3	72.0	79.5	60.5	70.0	88	51	58	57	61	74	55	69	.484	.481	.544	4.85	.70	4.7	4.4	3.8	4.8
August	29.953	30.275	29.470	67.4	77.1	73.0	81.1	62.9	72.0	88	51	61	62	63	80	60	72	.550	.559	.589	2.71	.98	5.0	4.5	4.1	5.3
September	29.888	30.225	29.130	58.8	69.4	65.2	73.6	55.2	64.4	89	41	53	54	56	84	60	72	.417	.435	.459	5.24	2.81	3.6	3.9	3.1	4.5
October	29.960	30.298	29.130	51.2	62.5	58.1	67.4	47.8	57.6	81	37	46	48	49	85	62	73	.325	.340	.363	1.53	.54	4.2	3.8	2.5	4.2
November	30.015	30.498	29.200	36.0	40.0	38.4	44.2	32.3	38.2	58	18	31	31	32	82	73	79	.182	.179	.190	4.44	1.85	8.0	7.3	5.9	7.5
December	29.849	30.492	29.200	29.9	33.8	32.0	37.6	26.2	31.9	60	5	25	26	26	81	74	77	.138	.153	.141	4.12	1.62	6.3	6.8	5.5	7.0
Year	29.903	30.980	29.050	44.0	51.7	49.2	56.3	39.0	47.7	90	−20	37	38	40	78	63	71	.270	.282	.296	40.54	2.81	5.6	5.2	4.3	5.4

ALPENA, MICH.

[ϕ=45° 05′ N.; λ=83° 30′ W.]

January	29.517	30.260	28.800	8.0	14.5	12.2	19.5	1.3	10.4	34	−19	5	8	8	85	72	81	0.054	0.061	0.063	1.53	0.36	8.1	7.1	7.1	6.8
February	29.354	30.170	28.770	10.9	21.3	17.2	23.5	5.9	14.7	37	−13	8	13	13	86	68	82	.064	.082	.079	.69	.24	7.5	6.4	5.0	6.3
March	29.202	29.760	28.460	24.7	32.6	29.3	36.9	18.5	27.7	65	− 6	20	21	24	82	64	80	.122	.124	.137	1.30	.32	6.0	6.0	5.2	6.3
April	29.134	29.697	28.480	33.2	38.3	36.5	41.4	28.7	35.0	55	13	28	27	28	79	64	71	.153	.151	.158	2.42	.91	6.2	7.4	5.1	7.1
May	29.443	29.862	29.080	48.2	54.0	51.0	59.2	40.1	49.6	75	28	39	38	40	72	58	69	.252	.245	.264	.52	.32	4.1	4.4	3.8	4.7
June	29.332	29.690	29.010	60.4	65.6	63.0	70.1	53.0	61.6	88	42	53	52	53	78	63	72	.418	.402	.416	3.40	.76	6.2	5.5	5.7	5.7
July	29.307	29.563	28.939	61.3	68.6	65.3	72.0	52.8	62.4	87	43	54	53	56	80	62	73	.419	.414	.453	1.96	.72	4.9	5.8	4.5	5.5
August	29.413	29.720	29.100	61.8	69.6	65.7	72.4	55.8	64.1	82	42	57	58	59	84	69	83	.478	.501	.505	1.59	.92	5.4	5.0	4.9	5.3
September	29.353	29.720	28.900	56.8	65.2	60.0	67.5	51.2	59.4	80	37	53	54	54	87	68	80	.414	.429	.428	4.20	1.37	4.6	4.5	4.3	4.9
October	29.391	29.807	28.820	50.3	59.2	53.6	62.3	45.5	53.9	82	31	46	48	47	87	68	80	.330	.345	.342	1.65	.87	5.7	6.1	3.4	6.4
November	29.420	29.890	28.730	33.9	38.2	35.0	40.1	30.1	35.1	56	10	31	33	31	88	80	85	.178	.190	.177	3.88	1.25	8.6	8.6	6.3	8.6
December	29.190	29.770	28.164	28.2	31.0	30.5	34.1	25.2	29.6	52	11	26	27	28	91	84	88	.145	.149	.154	3.77	1.29	8.9	7.7	8.1	8.1
Year	29.338	30.260	28.164	39.8	46.5	43.3	49.9	34.0	42.0	88	−19	35	36	37	83	68	79	.252	.258	.265	26.91	1.37	6.4	6.2	5.3	6.3

AMARILLO, TEX.

[ϕ=35° 13′ N.; λ=101° 50′ W.]

January	26.370	26.750	25.958	27.3	41.1	37.7	47.0	23.5	35.2	73	5	23	29	27	83	65	68	0.125	0.167	0.150	1.11	0.76	4.5	4.4	3.6	4.9
February	26.307	26.690	25.900	30.7	47.3	46.5	53.2	27.8	40.5	78	12	27	33	31	86	61	58	.150	.186	.175	.18	.09	5.8	5.1	5.2	5.1
March	26.133	26.670	25.620	34.3	57.6	53.8	62.6	31.9	47.2	80	6	26	30	29	71	38	43	.143	.171	.167	.51	.42	4.0	3.4	3.8	3.7
April	26.058	26.390	25.650	40.3	61.1	58.2	66.5	35.6	51.0	86	13	31	32	33	78	38	43	.181	.195	.198	.64	.26	3.9	4.0	4.0	3.6
May	26.218	26.500	25.880	54.6	71.7	71.1	76.4	51.8	64.1	92	40	49	50	50	84	52	53	.362	.376	.375	2.57	1.49	5.8	4.2	4.9	4.7
June	26.278	26.440	26.040	63.0	80.8	78.3	84.7	60.2	72.4	97	52	58	55	55	84	44	48	.437	.437	.498	2.56	.85	3.7	3.8	5.7	4.3
July	26.342	26.540	26.086	67.6	87.9	85.4	91.5	64.7	78.1	98	59	60	56	54	77	35	37	.517	.452	.431	1.85	.51	3.4	3.1	5.0	4.0
August	26.321	26.550	26.031	62.9	79.5	76.0	83.0	60.3	71.6	92	53	60	58	59	89	50	58	.518	.489	.513	5.52	1.50	2.5	3.8	5.1	4.9
September	26.287	26.710	25.950	59.2	79.3	74.5	83.2	58.3	70.8	91	42	55	54	55	86	44	52	.439	.433	.442	3.04	1.75	4.8	2.8	3.5	3.8
October	26.260	26.630	25.880	49.4	70.1	63.0	73.5	47.9	60.7	91	35	42	42	42	77	41	52	.278	.275	.304	1.87	.84	4.6	3.7	4.0	3.9
November	26.369	26.790	25.942	34.1	49.8	45.1	54.4	31.2	42.8	78	17	30	33	32	83	58	63	.169	.200	.190	1.33	.97	4.0	4.0	3.4	4.3
December	26.182	26.790	25.650	29.4	46.2	40.8	51.6	26.5	39.0	71	11	23	29	27	78	56	58	.124	.164	.147	.64	.52	4.1	3.5	3.4	4.5
Year	26.260	26.790	25.620	46.1	64.4	60.9	69.0	43.3	56.6	98	5	40	42	41	81	48	53	.291	.295	.294	21.78	1.75	4.3	3.8	4.3	4.3

Annual meteorological summary for the year ending December 31, 1920—Continued.

ABILENE, TEX.

[H_b=1,738 ft.; h_t=10 ft.; h_r=3 ft.; h_a=52 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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 temperature. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Aurores.
	Miles.		*Mi.*																									
January	7.7	S.	27	N.	0	18	6	4	5	16	4	5	4	0	7	5	19	8	7	1	1	0	1	2	0	15	0	0
February	8.9	S.	36	SW.	0	16	8	2	4	14	9	5	0	6	7	2	20	4	4	0	0	0	0	0	0	6	1	0
March	14.5	S.	48	W.	5	3	4	3	9	23	6	8	6	0	16	7	8	1	0	0	0	0	0	0	0	6	1	0
April	13.7	S.	39	W.	0	8	6	1	4	15	9	8	9	0	17	8	5	2	2	0	0	0	0	0	3	3	2	0
May	10.2	S.	42	N.	1	10	6	4	14	20	5	3	0	0	10	10	11	11	10	0	0	4	0	0	8	0	9	0
June	10.1	S.	39	E.	0	4	6	1	20	26	1	0	1	1	15	9	6	8	4	0	0	0	0	0	13	0	5	0
July	8.2	S.	30	SE.	0	0	5	7	16	27	4	2	1	0	13	13	5	3	2	0	0	0	0	0	30	0	7	0
August	7.4	S.	25	N.	0	9	7	4	14	21	4	2	1	0	5	10	16	14	12	0	0	0	0	0	9	0	11	0
September	8.4	S.	46	NE.	1	5	6	3	10	25	6	2	0	3	19	6	5	6	5	0	0	1	0	0	9	0	6	0
October	11.3	S.	37	S.	0	5	1	2	17	29	2	3	1	2	15	9	7	9	7	0	0	0	0	0	0	0	6	0
November	8.6	S.	32	S.	0	11	6	4	7	17	6	2	7	0	16	2	12	8	7	2	2	0	1	0	0	6	2	0
December	11.6	S.	38	SW.	0	6	6	0	4	20	9	10	7	0	19	9	3	3	3	0	0	1	0	0	0	14	2	0
Year	10.0	S.	48	W.	7	95	67	35	124	253	65	50	37	6	159	90	117	77	63	3	3	6	2	2	72	50	52	0

ALBANY, N. Y.

[H_b=97 ft.; h_t=102 ft.; h_r=100 ft.; h_a=115 ft.]

January	8.0	NW.	30	S.	0	7	12	0	1	15	3	3	21	0	12	8	11	11	8	17	11	0	0	24	0	30	0	0
February	8.5	NW.	27	S.	0	9	8	0	0	14	6	4	17	0	7	10	12	10	8	13	10	0	0	17	0	29	0	0
March	7.9	S.	28	S.	0	3	11	1	2	20	6	6	12	1	15	6	10	10	7	9	5	0	4	7	0	22	0	2
April	8.1	NW.	29	NW.	0	3	10	1	1	17	5	6	17	0	10	8	12	11	8	6	2	1	0	0	0	8	2	0
May	6.7	S.	29	NE.	0	8	7	0	5	26	2	3	11	0	14	12	5	13	7	0	0	0	1	0	0	0	1	0
June	6.0	S.	26	SW.	0	6	10	0	0	20	7	6	11	0	12	8	10	12	10	0	0	1	0	0	1	0	3	0
July	6.8	S.	34	S.	0	1	3	0	4	29	3	8	14	0	11	14	6	16	14	0	0	0	0	0	0	0	9	0
August	5.7	S.	22	S.	0	5	8	0	2	31	3	2	10	1	6	18	7	12	9	0	0	0	2	0	0	0	6	0
September	6.1	S.	28	NE.	0	6	5	1	2	22	5	3	16	0	14	11	5	10	10	0	0	0	5	0	0	0	2	0
October	6.2	S.	30	S.	0	5	8	2	2	20	11	1	13	0	15	8	8	8	8	1	0	0	5	0	0	0	1	0
November	6.6	NW.	30	S.	0	6	5	3	1	18	2	3	22	0	5	7	18	11	9	6	4	0	0	1	0	16	0	0
December	6.9	NW.	28	SW.	0	3	9	0	1	20	5	6	18	0	4	11	16	10	8	12	2	0	1	5	0	27	1	0
Year	7.0	S.	34	S.	0	62	96	8	21	252	58	51	182	2	125	121	120	134	106	64	34	2	18	54	1	132	25	2

ALPENA, MICH.

[H_b=609 ft.; h_t=13 ft.; h_r=4 ft.; h_a=92 ft.]

January	13.0	NW.	38	SE.	0	5	5	1	2	7	9	14	19	0	5	11	15	17	10	23	17	0	0	28	0	31	0	0
February	10.9	NW.	40	NW.	1	5	4	2	3	6	5	10	23	0	7	9	13	7	4	16	7	0	0	27	0	29	0	0
March	14.5	SE.	46	SE.	2	2	3	3	16	8	7	12	11	0	8	10	13	11	8	11	6	0	4	12	0	26	1	2
April	12.8	NW.	42	SW.	1	7	3	10	7	1	6	11	15	0	2	14	14	17	10	15	8	0	3	6	0	19	0	5
May	10.1	SE.	33	NW.	0	11	2	4	20	5	0	5	15	0	10	13	8	5	4	0	0	0	4	0	0	5	1	3
June	8.9	NW.	36	NW.	0	6	3	7	9	8	8	4	15	0	9	11	10	10	8	0	0	0	2	0	0	0	7	2
July	11.0	NW.	36	SE.	0	4	1	4	12	2	9	10	20	0	8	15	8	10	7	0	0	0	1	0	0	0	7	0
August	8.5	SE.	29	SW.	0	8	5	11	14	6	1	2	15	0	11	11	9	9	6	0	0	0	2	0	0	0	4	1
September	10.1	SE.	40	SE.	1	5	4	2	17	6	6	6	14	0	13	9	8	10	10	0	0	0	2	0	0	0	7	1
October	9.7	SW.	32	NW.	0	4	3	3	8	10	11	11	12	0	5	13	13	8	5	1	1	0	4	0	0	2	1	0
November	11.5	W.	42	E.	1	3	5	4	6	6	13	12	11	0	0	8	22	15	9	13	7	1	2	4	0	13	1	0
December	12.9	W.	44	SE.	3	4	1	4	9	7	6	18	13	0	2	7	22	14	12	17	10	0	4	13	0	26	0	0
Year	11.2	NW.	46	SE.	9	64	39	55	123	72	81	115	183	0	80	131	155	133	93	96	56	1	28	90	0	151	29	14

AMARILLO, TEX.

[H_b=3,676 ft.; h_t=10 ft.; h_r=3 ft.; h_a=49 ft.]

January	10.0	SW.	29	N.	0	14	2	1	6	8	17	5	9	0	12	8	11	5	3	6	5	0	3	6	0	27	0	0
February	10.8	N.	32	SW.	0	18	2	4	3	12	13	2	4	0	9	14	6	4	2	5	3	0	1	0	0	23	0	0
March	14.5	SW.	49	SW.	2	5	1	1	8	13	21	4	9	0	16	13	2	5	2	5	2	0	0	2	0	12	0	1
April	13.5	SW.	44	NW.	3	7	3	4	7	5	20	4	10	0	15	12	3	6	5	2	1	1	0	0	0	9	4	0
May	11.7	S.	34	S.	0	8	9	8	7	15	10	3	2	0	13	13	5	8	4	0	0	0	0	0	1	0	6	0
June	11.8	SE.	37	W.	0	3	4	3	21	19	4	3	3	0	12	18	0	10	10	0	0	0	0	0	10	0	8	0
July	9.2	S.	33	W.	0	2	3	5	10	27	10	4	1	0	14	16	1	8	6	0	0	1	0	0	20	0	11	0
August	9.2	S.	34	E.	0	5	3	9	17	15	8	2	3	0	8	21	2	11	11	0	0	0	0	0	4	0	9	0
September	9.9	S.	36	SW.	0	4	4	5	11	19	14	0	3	0	15	15	0	7	4	0	0	0	1	0	3	0	4	0
October	11.6	SE.	36	SW.	0	5	0	2	17	12	15	5	6	0	19	7	5	9	8	0	0	0	0	0	1	0	6	0
November	9.8	SW.	30	NW.	0	13	3	2	7	10	10	6	9	0	17	6	7	6	5	4	3	0	2	2	0	16	1	0
December	12.2	SW.	37	SW.	0	5	2	1	6	9	21	6	12	0	14	13	4	4	3	6	4	0	0	1	0	27	1	0
Year	11.2	S.	49	SW.	5	89	36	45	120	164	163	44	71	0	154	156	46	83	63	28	18	2	7	11	39	114	50	1

Annual meteorological summary for the year ending December 31, 1920—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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.410	29.725	28.950	40.8	48.8	45.8	53.9	36.3	45.1	73	11	37	36	....	85	64	....	0.241	0.249	.....	7.99	2.64	7.1	7.0	5.8	6.8
February	29.285	29.690	28.870	38.2	47.8	44.0	52.2	34.6	43.4	69	16	32	34	....	78	60	....	.200	.212	.....	3.28	1.29	6.1	5.5	5.2	5.8
March	29.307	29.740	28.810	44.4	56.1	52.5	60.6	39.1	49.8	80	13	36	38	....	71	54	....	.236	.258	.....	7.13	1.99	5.2	5.1	4.2	4.9
April	29.105	29.390	28.710	55.3	65.1	62.3	71.0	48.0	59.5	87	28	46	46	....	73	54	....	.348	.348	.....	8.77	2.45	6.1	4.8	4.1	4.9
May	29.240	29.490	29.020	64.5	74.6	68.8	78.2	58.1	68.2	89	45	58	60	....	79	62	....	.480	.521	.....	6.61	3.37	6.2	6.3	5.0	5.6
June	29.265	29.550	29.000	72.1	82.9	75.4	86.7	63.0	74.8	95	56	63	63	....	74	54	....	.582	.589	.....	5.52	1.70	3.1	2.8	3.3	2.9
July	29.298	29.476	29.110	73.7	84.2	76.8	87.8	67.6	77.7	93	62	68	68	....	84	59	....	.700	.684	.....	4.65	.96	4.8	4.2	4.8	4.5
August	29.281	29.410	29.120	71.7	81.9	74.3	85.6	66.6	76.1	90	55	68	68	....	89	64	....	.694	.688	.....	5.93	1.72	6.5	4.8	5.4	6.0
September	29.250	29.370	29.050	68.7	82.5	72.6	85.6	64.6	75.1	91	41	64	65	....	87	56	....	.622	.628	.....	5.41	3.31	4.1	3.8	4.3	3.9
October	29.390	29.660	29.050	52.5	74.6	58.7	77.2	48.2	62.7	87	29	48	46	....	85	37	....	.350	.327	.....	.73	.64	2.8	2.5	2.4	2.7
November	29.378	29.650	28.930	40.7	57.7	46.6	60.8	37.4	49.1	77	26	35	37	....	82	50	....	.223	.237	.....	4.30	1.27	5.0	4.8	3.9	4.7
December	29.294	29.580	28.730	37.4	48.2	44.3	51.9	34.6	43.2	65	18	32	33	....	82	59	....	.197	.204	.....	8.75	3.94	6.2	5.8	4.9	5.8
Year	29.292	29.740	28.710	55.0	67.0	60.2	71.0	49.8	60.4	95	11	49	50	....	81	56	....	.406	.412	.....	69.07	3.94	5.3	4.8	4.4	4.9

ASHEVILLE, N. C.

[ϕ=35° 36′ N.; λ=82° 32′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	27.791	28.140	27.300	34.3	42.9	39.7	47.7	29.2	38.4	67	4	28	29	31	79	61	70	0.182	0.187	0.194	1.90	0.68	6.1	6.4	5.1	6.0
February	27.638	28.180	27.240	30.6	38.7	36.8	43.7	27.7	35.7	58	6	26	27	28	83	65	70	.156	.164	.164	1.95	.88	7.7	6.3	6.9	6.6
March	27.713	28.070	27.170	36.6	48.4	46.7	54.0	33.6	43.8	72	8	30	29	30	78	50	56	.188	.175	.187	5.65	1.29	5.4	6.0	4.3	5.0
April	27.544	27.838	27.110	46.1	57.6	55.6	63.7	42.1	52.9	81	25	39	37	39	76	51	56	.251	.247	.261	5.33	2.39	5.3	5.1	5.4	4.7
May	27.726	28.050	27.450	55.6	67.1	63.9	70.7	50.8	60.8	82	39	47	46	48	74	49	58	.336	.319	.341	2.06	.56	5.8	6.3	5.3	5.4
June	27.747	28.051	27.450	63.8	75.4	71.1	78.9	58.4	68.6	88	50	58	58	59	81	53	66	.478	.454	.498	2.42	.85	3.9	5.3	5.0	4.4
July	27.773	27.985	27.550	66.0	77.7	72.3	81.3	62.0	71.6	89	56	62	60	63	86	57	74	.553	.530	.582	3.75	1.02	4.3	5.7	5.7	5.2
August	27.736	27.930	27.600	65.4	73.5	69.0	77.0	62.9	70.0	84	55	63	63	64	93	71	84	.581	.586	.596	7.09	1.42	8.2	8.3	8.4	7.8
September	27.753	27.912	27.340	60.5	72.4	66.8	76.1	58.4	67.2	82	41	58	59	61	93	64	82	.495	.507	.545	4.20	1.33	4.6	6.1	6.2	6.1
October	27.852	28.070	27.470	46.7	65.8	59.2	69.4	43.5	56.4	80	27	43	43	46	87	44	63	.287	.291	.329	.47	.43	3.1	2.7	2.0	3.0
November	27.782	28.130	27.370	36.8	50.0	46.2	54.1	34.3	44.2	76	18	33	34	35	86	59	66	.198	.204	.209	3.15	1.47	5.7	5.4	5.3	5.5
December	27.669	27.969	27.260	34.2	41.3	39.3	46.5	31.1	38.8	62	20	27	28	28	76	61	66	.152	.159	.165	4.97	1.90	5.3	5.3	5.5	5.7
Year	27.731	28.180	27.110	48.0	59.2	55.6	63.6	44.5	54.0	89	4	43	43	44	83	57	68	.321	.319	.339	43.04	2.39	5.4	5.7	5.4	5.4

ATLANTA, GA.

[ϕ=33° 45′ N.; λ=84° 23′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.948	29.240	28.460	39.8	46.7	45.3	50.9	34.5	42.7	70	13	35	40	38	84	79	77	0.236	0.268	0.256	7.69	1.90	7.0	6.6	5.5	7.1
February	28.795	29.260	28.340	37.9	45.3	44.3	49.4	34.3	41.8	63	14	32	35	35	80	69	71	.205	.221	.220	5.67	3.10	5.9	5.5	4.7	6.3
March	28.841	29.290	28.380	44.3	53.5	53.3	58.3	40.8	49.6	77	16	34	37	39	69	57	62	.225	.248	.269	10.95	3.70	5.6	5.6	3.7	5.4
April	28.657	28.950	28.290	53.0	62.2	62.6	67.5	49.7	58.6	84	30	44	48	48	74	62	62	.319	.365	.369	5.32	1.91	5.9	5.3	4.3	5.9
May	28.805	29.092	28.590	62.8	71.3	69.8	75.2	59.0	67.1	86	52	54	58	57	75	65	68	.431	.484	.478	4.58	1.87	6.9	6.9	6.3	6.9
June	28.815	29.109	28.560	71.6	82.0	79.9	85.4	67.3	76.4	94	58	62	59	60	73	48	54	.555	.507	.531	3.47	1.80	4.4	3.6	3.2	4.1
July	28.850	29.052	28.650	72.7	82.0	78.5	85.6	69.0	77.3	91	65	66	66	67	81	59	70	.652	.680	.673	5.95	1.77	4.6	6.0	5.6	6.4
August	28.852	28.980	28.687	70.0	78.9	75.8	82.7	67.5	75.1	88	61	67	67	68	91	68	77	.670	.665	.681	10.02	2.26	8.0	7.1	6.9	8.0
September	28.815	28.950	28.446	68.4	78.7	75.5	82.1	65.7	73.9	88	43	63	64	65	84	62	71	.593	.603	.625	3.36	1.23	4.4	4.4	3.5	4.9
October	28.931	29.180	28.660	57.9	70.9	67.9	74.1	55.3	64.7	84	37	47	48	48	69	46	52	.340	.356	.355	.54	.54	2.8	3.1	1.9	3.0
November	28.898	29.230	28.500	45.1	55.3	52.7	58.6	41.8	50.2	75	26	37	38	39	75	56	62	.234	.246	.247	3.33	1.86	5.1	5.2	2.8	5.1
December	28.882	29.060	28.400	38.9	46.2	45.4	49.7	36.5	43.1	65	21	32	35	35	78	67	70	.189	.212	.219	4.36	1.13	6.8	5.5	5.1	6.3
Year	28.836	29.260	28.290	55.2	64.4	62.6	68.3	51.8	60.0	94	13	48	50	50	78	62	66	.387	.401	.410	65.24	3.70	5.6	5.4	4.5	5.8

ATLANTIC CITY, N. J.

[ϕ=39° 22′ N.; λ=74° 25′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.129	30.848	29.410	25.2	30.7	28.7	35.4	21.2	28.3	53	7	19	22	21	77	71	73	0.115	0.131	0.124	2.87	0.86	6.8	5.8	5.0	5.9
February	29.936	30.860	29.375	28.9	32.7	31.7	36.7	25.6	31.2	47	7	23	26	25	79	76	77	.134	.145	.145	5.54	1.78	5.9	6.2	5.2	5.6
March	29.971	30.450	29.120	37.5	43.2	40.2	46.9	32.6	39.8	62	15	30	30	32	74	63	74	.178	.183	.192	3.36	1.72	4.0	3.8	2.7	3.7
April	29.779	30.150	29.090	46.8	52.1	48.2	55.4	40.8	48.1	80	32	37	39	38	72	64	72	.233	.246	.242	3.39	.83	5.1	5.3	4.0	4.9
May	30.003	30.442	29.540	54.4	58.1	54.5	60.3	48.8	54.6	77	38	46	46	47	75	67	77	.321	.320	.327	1.61	.68	5.0	4.5	4.2	4.5
June	29.911	30.257	29.380	67.4	70.6	66.2	73.8	61.2	67.5	87	53	59	60	60	77	71	81	.516	.527	.526	8.45	2.93	5.1	4.0	5.4	4.6
July	29.939	30.178	29.500	69.6	72.9	69.4	76.1	63.8	70.0	85	54	63	63	63	80	72	82	.577	.584	.591	1.86	.84	4.3	3.3	5.3	3.7
August	30.002	30.230	29.660	68.9	71.4	69.4	74.1	65.1	69.6	88	56	65	66	66	89	84	90	.626	.651	.654	5.65	1.36	7.8	6.3	6.5	6.2
September	29.948	30.280	29.140	66.9	73.1	69.2	75.2	62.0	68.6	87	48	61	62	63	82	70	82	.552	.575	.592	1.69	1.06	4.6	4.0	3.4	3.7
October	30.047	30.300	29.340	57.0	65.3	61.2	67.6	52.7	60.2	85	38	51	53	53	81	65	76	.388	.411	.418	.67	.58	3.5	2.9	1.5	3.0
November	30.067	30.507	29.300	44.5	50.9	47.3	53.1	40.6	46.8	71	24	39	38	39	81	63	74	.248	.236	.253	6.00	3.08	6.5	5.7	5.3	6.0
December	29.935	30.500	29.360	37.9	43.5	39.8	45.9	33.4	39.6	58	19	33	34	33	82	69	76	.202	.205	.191	4.27	1.23	6.0	6.1	5.3	6.1
Year	29.972	30.860	29.090	50.4	55.4	52.2	58.4	45.6	52.0	88	7	44	45	45	79	70	78	.341	.351	.355	45.36	3.08	5.4	4.8	4.5	4.8

Annual meteorological summary for the year ending December 31, 1920—Continued.

ANNISTON, ALA.

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

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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 temperature. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	6.9	NW.	29	SW.	0	13	0	5	12	9	4	5	13	1	6	9	16	15	13	1	1	0	0	0	0	10	1	0
February	7.4	NW.	27	NW.	0	8	1	5	2	10	6	1	24	1	9	7	13	12	10	1	1	0	0	0	0	13	0	0
March	8.4	SE.	28	SE.	0	10	0	2	15	11	6	4	12	2	14	6	11	10	9	2	0	0	0	0	0	9	9	0
April	7.7	NW.	33	SW.	0	4	3	3	12	9	6	7	16	0	11	11	8	14	12	1	0	1	0	0	0	3	9	0
May	5.0	SE.	27	NW.	0	8	3	8	20	4	3	5	5	6	8	14	9	12	9	0	0	1	0	0	0	0	6	0
June	3.9	N.	20	SW.	0	10	3	5	14	4	7	5	7	5	19	8	3	10	8	0	0	0	0	0	9	0	9	0
July	3.7	SE.	29	NE.	0	8	1	4	16	10	7	8	1	7	12	14	5	15	13	0	0	0	0	0	8	0	15	0
August	3.7	S.	17	SW.	0	1	0	9	14	23	3	2	6	4	6	13	12	19	16	0	0	0	0	0	4	0	16	0
September	4.6	SE.	26	NW.	0	8	1	10	20	7	0	6	5	3	14	14	2	8	7	0	0	0	0	0	6	0	9	0
October	4.0	SE.	16	NW.	0	9	2	3	25	7	1	1	5	9	22	3	6	3	2	0	0	0	0	0	0	1	0	0
November	5.0	NW.	21	SE.	0	9	1	3	7	3	3	5	22	7	12	9	9	10	8	0	0	0	0	0	0	10	0	0
December	6.6	NW.	28	W.	0	4	0	0	16	2	9	8	16	7	10	8	13	9	9	0	0	0	0	0	0	13	2	0
Year	5.6	SE.	33	SW.	0	92	15	57	173	99	55	57	132	52	143	116	107	137	116	5	2	2	0	0	27	59	76	0

ASHEVILLE, N. C.

[H_b=2,255 ft.; h_t=70 ft.; h_r=61 ft.; h_a=4 ft.]

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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.
January	9.2	NW.	33	N.	0	12	1	2	13	8	2	0	23	1	9	7	15	13	7	5	2	0	1	2	0	21	0	0
February	8.0	NW.	28	N.	0	12	0	1	9	4	2	2	28	0	7	9	13	14	9	12	4	0	0	5	0	21	0	0
March	9.2	NW.	33	NW.	0	8	0	0	24	5	1	2	21	1	13	8	10	14	13	6	2	0	1	3	0	16	5	1
April	11.8	NW.	38	S.	0	15	0	5	13	5	2	0	20	0	14	8	8	17	13	2	0	0	1	0	0	6	8	0
May	7.7	SE.	26	NW.	0	4	1	6	27	8	3	2	11	0	8	18	5	9	9	0	0	0	0	0	0	0	3	0
June	6.1	NW.	26	E.	0	11	0	6	10	5	2	1	22	3	12	11	7	10	8	0	0	0	1	0	0	0	7	0
July	5.4	NW.	24	NW.	0	10	1	4	19	9	1	2	14	2	11	15	5	13	12	0	0	0	10	0	0	0	7	0
August	5.6	SE.	33	S.	0	3	0	3	30	8	3	1	13	1	0	11	20	23	20	0	0	0	5	0	0	0	10	0
September	5.7	NW.	25	NW.	0	12	0	4	14	3	4	3	17	3	8	10	12	18	10	0	0	0	15	0	0	0	3	0
October	5.8	NW.	27	SE.	0	8	0	4	21	2	3	0	18	6	20	6	5	3	2	0	0	0	8	0	0	2	0	0
November	7.9	NW.	38	E.	0	15	0	2	14	3	2	0	23	1	9	7	14	8	8	2	0	0	1	0	0	11	0	0
December	10.0	NW.	38	E.	0	11	0	3	14	7	0	0	24	3	12	5	14	10	8	3	1	0	2	1	0	17	0	0
Year	7.7	NW.	38	E.	0	121	3	40	208	67	25	13	234	21	123	115	128	152	119	30	9	0	45	11	0	94	43	1

ATLANTA, GA.

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

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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.
January	13.0	NW.	40	NW.	1	3	3	11	7	8	3	7	20	0	8	1	22	14	12	1	0	0	3	0	0	10	1	0
February	13.9	NW.	42	NW.	2	5	3	4	4	6	6	6	24	0	7	7	15	11	8	2	1	0	0	1	0	11	0	0
March	14.2	NW.	52	N.	5	4	1	6	11	14	2	2	22	0	13	5	13	9	9	0	0	0	1	1	0	7	5	1
April	12.9	NW.	44	NW.	2	1	0	9	6	13	4	6	21	0	9	6	15	15	14	1	0	0	4	0	0	3	7	0
May	9.2	SE.	58	NW.	1	6	3	14	17	5	0	4	13	0	7	7	17	11	10	0	0	1	0	0	0	0	6	0
June	8.8	W.	34	W.	0	7	8	4	7	8	0	15	11	0	16	9	5	6	6	0	0	0	0	0	7	0	5	0
July	8.0	NW.	34	NW.	0	1	4	5	5	9	11	11	16	0	6	8	17	15	11	0	0	0	0	0	2	0	16	0
August	7.6	S.	27	NW.	0	3	3	6	9	17	5	6	12	1	4	3	24	17	13	0	0	0	1	0	0	0	15	0
September	8.8	E.	52	NW.	1	7	4	19	7	9	0	4	10	0	14	6	10	7	5	0	0	0	2	0	0	0	6	0
October	8.6	E.	33	NW.	0	6	12	10	9	6	4	6	9	0	23	2	6	1	1	0	0	0	0	0	0	0	0	0
November	12.0	NW.	40	NW.	1	2	4	11	2	3	3	6	28	1	13	4	13	9	7	0	0	0	1	0	0	4	0	0
December	12.0	NW.	38	NW.	0	2	4	10	6	4	2	10	24	0	8	8	15	10	9	0	0	0	3	0	0	7	2	0
Year	10.8	NW.	58	NW.	13	47	49	109	90	102	40	83	210	2	128	66	172	125	105	4	1	1	15	2	9	42	63	1

ATLANTIC CITY, N. J.

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

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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.
January	8.6	NW.	29	NW.	0	8	8	3	2	2	7	14	18	0	11	4	16	15	11	5	4	0	2	8	0	29	0	0
February	9.7	NW.	35	NE.	0	5	13	0	3	3	7	7	20	0	11	7	11	18	14	9	9	1	0	6	0	21	1	0
March	9.2	SW.	36	S.	0	0	2	3	7	8	12	12	18	0	19	4	8	10	8	3	3	0	1	3	0	13	1	1
April	9.1	NW.	33	S.	0	3	9	3	4	11	9	8	13	0	11	11	8	15	12	1	0	0	5	0	0	2	3	0
May	8.1	NE.	28	NE.	0	6	16	5	2	9	13	6	5	0	13	9	9	7	6	0	0	0	0	0	0	0	1	0
June	7.4	SW.	33	NW.	0	4	5	3	6	8	20	7	7	0	11	13	6	12	12	0	0	0	0	0	0	0	9	0
July	6.9	SW.	23	W.	0	8	0	1	4	14	25	4	6	0	16	10	5	11	9	0	0	0	1	0	0	0	7	0
August	7.0	SW.	20	NE.	0	5	15	8	2	4	26	2	0	0	7	10	14	19	15	0	0	0	4	0	0	0	6	0
September	6.6	S.	37	SE.	0	4	4	7	8	10	6	10	10	1	15	11	4	6	4	0	0	0	3	0	0	0	2	0
October	6.7	W.	25	S.	0	6	6	3	3	3	12	16	13	0	20	6	5	3	2	0	0	0	1	0	0	0	1	0
November	8.2	NW.	32	S.	0	6	11	5	1	5	5	10	17	0	12	3	15	14	9	0	0	0	0	0	0	3	1	0
December	8.9	W.	30	S.	0	5	1	3	5	2	7	27	12	0	10	4	17	8	7	4	1	0	1	0	0	16	0	0
Year	8.0	SW.	37	SE.	0	60	90	44	47	79	149	123	139	1	156	92	118	138	109	22	17	1	18	17	0	84	32	1

Annual meteorological summary for the year ending December 31, 1920—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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.012	30.380	29.480	42.5	52.4	50.3	57.7	38.7	48.2	78	15	37	41	41	82	67	70	0.246	0.285	0.276	4.30	1.51	7.0	6.2	6.0	6.7
February	29.836	30.400	29.320	39.3	49.2	48.4	54.1	36.7	45.4	69	21	35	37	38	83	64	69	.218	.235	.248	3.40	1.32	5.7	5.3	4.6	5.4
March	29.808	30.400	29.370	47.7	59.8	57.7	64.3	44.0	54.2	82	23	42	47	47	81	63	68	.300	.352	.344	9.15	3.25	5.0	4.6	4.7	5.2
April	29.694	30.000	29.260	58.6	67.4	65.6	73.2	53.5	63.4	86	34	51	55	54	77	65	67	.398	.453	.435	4.94	1.56	5.5	5.7	4.9	5.7
May	29.826	30.190	29.560	65.8	75.5	71.5	79.7	59.4	69.6	90	52	57	56	57	74	54	63	.476	.464	.475	2.13	.66	4.4	5.9	4.3	5.7
June	29.813	30.133	29.510	74.9	86.2	81.3	90.4	68.6	79.5	100	60	65	62	62	72	46	54	.619	.562	.571	3.22	1.48	3.9	3.5	2.7	3.8
July	29.852	30.068	29.590	75.9	86.0	79.8	90.2	70.5	80.4	97	62	69	69	69	84	58	71	.718	.715	.719	7.20	2.34	4.6	5.0	6.1	5.3
August	29.856	29.989	29.620	74.9	84.2	78.4	88.3	70.5	79.4	96	61	70	70	71	87	64	79	.745	.738	.759	4.87	2.00	6.4	7.6	7.8	7.0
September	29.805	29.980	29.299	72.7	83.5	76.4	86.8	67.8	77.3	93	50	67	66	67	83	57	74	.667	.651	.672	6.49	4.06	4.4	5.5	3.7	5.3
October	29.957	30.260	29.640	56.4	73.7	65.2	76.8	52.5	64.5	87	38	52	51	56	85	47	72	.401	.408	.466	1.01	.91	2.9	3.1	2.8	3.0
November	29.944	30.300	29.520	44.8	59.9	54.0	63.3	42.5	52.8	80	32	40	41	44	83	53	69	.257	.277	.300	3.80	2.38	4.6	4.6	3.8	4.9
December	29.881	30.190	29.530	41.2	51.5	49.2	56.9	38.3	47.6	73	27	36	38	39	84	61	70	.223	.235	.254	2.64	1.15	6.2	5.8	5.4	5.9
Year	29.864	30.400	29.260	57.9	69.1	64.8	73.5	53.6	63.5	100	15	52	53	54	81	58	69	.439	.448	.460	53.15	4.06	5.0	5.2	4.7	5.3

BAKER, OREG.

[ϕ=44° 46′ N.; λ=117° 50′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	26.605	26.900	26.280	22.7	31.8	31.3	36.6	19.5	28.0	55	2	19	23	24	86	70	72	0.111	0.132	0.133	0.16	0.08	3.9	5.0	4.9	5.8
February	26.557	26.769	26.070	26.5	38.4	40.0	42.7	24.5	33.6	54	15	24	28	28	87	65	61	.124	.151	.150	.04	.02	2.9	2.8	3.3	3.6
March	26.300	26.700	25.830	31.5	41.2	41.6	44.5	29.0	36.8	55	21	27	26	28	81	56	58	.144	.141	.152	1.66	.52	7.1	6.5	7.7	6.1
April	26.346	26.730	25.880	31.7	46.7	47.7	51.0	30.0	40.5	67	15	27	27	26	81	48	46	.145	.145	.142	.98	.27	5.9	6.5	6.4	5.4
May	26.430	26.690	26.130	36.8	55.6	58.2	60.9	35.1	48.0	77	25	30	30	32	77	41	39	.166	.170	.172	1.27	.62	2.7	4.6	4.1	3.7
June	26.431	26.700	26.182	45.2	64.5	65.3	69.4	43.1	56.2	88	30	38	38	41	77	40	46	.233	.235	.266	.70	.31	4.0	5.0	5.8	5.4
July	26.462	26.700	26.270	52.9	78.2	81.7	84.8	52.0	68.4	96	41	41	42	44	65	31	28	.263	.274	.293	.32	.23	1.6	2.1	3.3	2.9
August	26.471	26.750	26.194	52.4	73.8	77.8	80.7	50.4	65.6	95	38	40	44	44	66	38	34	.255	.291	.292	1.42	1.09	2.2	2.7	2.3	2.8
September	26.396	26.780	26.000	45.1	64.6	65.9	69.5	42.1	55.8	85	32	38	39	39	77	41	43	.229	.243	.244	.53	.26	4.9	4.1	4.8	4.0
October	26.429	26.780	25.990	38.1	50.3	48.8	53.3	34.8	44.0	78	24	32	33	34	78	54	59	.180	.188	.198	1.14	.26	5.7	5.8	6.0	6.2
November	26.523	26.800	26.110	33.3	41.3	39.6	44.0	28.8	36.4	55	14	27	28	30	78	60	67	.151	.159	.165	.53	.21	6.1	6.4	7.3	6.4
December	26.394	26.970	25.780	27.6	34.1	31.5	36.8	24.3	30.6	48	8	24	25	25	85	68	76	.129	.136	.136	1.21	.35	7.8	7.7	8.2	7.8
Year	26.445	26.970	25.780	47.0	51.7	52.4	56.2	34.5	45.3	96	2	31	32	33	79	51	52	.178	.189	.195	9.96	1.09	4.6	4.9	5.3	5.0

BALTIMORE, MD.

[ϕ=39° 17′ N.; λ=76° 37′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.086	30.790	29.420	25.3	30.3	29.4	35.3	21.9	28.6	58	9	17	18	19	70	61	63	0.102	0.108	0.109	1.87	0.47	6.2	5.9	4.9	6.1
February	29.891	30.810	29.420	28.7	34.6	34.2	39.3	26.4	32.8	53	8	22	22	24	74	60	64	.123	.124	.132	3.41	1.48	6.0	6.0	5.4	6.3
March	29.906	30.380	29.200	40.0	49.3	47.0	54.7	35.0	44.8	76	18	30	33	30	67	56	54	.180	.207	.181	2.56	1.13	4.5	4.4	3.3	4.3
April	29.717	30.113	29.100	49.0	56.4	53.6	61.2	44.4	52.8	82	32	36	36	38	63	50	59	.228	.231	.246	4.84	1.11	5.8	6.2	5.5	5.9
May	29.937	30.410	29.580	57.6	65.5	63.2	69.2	52.3	60.8	84	43	45	45	46	64	50	56	.312	.314	.328	2.30	1.06	4.6	5.5	5.6	5.1
June	29.849	30.220	29.290	70.4	78.2	73.0	81.9	63.3	72.6	97	54	59	59	60	68	54	66	.506	.514	.533	8.25	2.72	5.1	6.1	6.2	5.4
July	29.870	30.095	29.490	73.1	81.5	76.6	84.5	67.5	76.0	93	56	62	62	64	69	53	65	.567	.577	.596	4.94	2.09	3.7	5.2	5.0	4.8
August	29.935	30.160	29.610	71.4	78.4	74.3	81.6	67.9	74.8	91	58	65	66	68	82	67	81	.637	.649	.684	9.47	3.20	7.7	7.7	7.7	7.1
September	29.893	30.220	29.240	66.6	74.5	70.9	77.9	61.8	69.8	87	49	58	57	59	76	57	67	.507	.494	.513	3.08	1.60	5.0	5.0	3.1	4.5
October	29.995	30.250	29.350	57.0	69.8	63.6	72.8	53.4	63.1	85	39	48	48	52	73	47	66	.350	.349	.404	0.17	0.17	3.4	3.0	1.9	3.3
November	30.012	30.470	29.150	43.9	49.7	47.3	53.0	41.2	47.1	72	25	36	35	37	73	59	69	.215	.212	.234	3.96	2.83	5.9	7.0	5.7	6.6
December	29.877	30.440	29.250	37.2	42.6	40.1	45.6	34.1	39.8	68	22	29	29	28	72	58	62	.171	.166	.158	3.58	1.82	6.6	7.3	4.5	6.9
Year	29.914	30.810	29.100	51.7	59.2	56.1	63.1	47.4	55.2	97	8	42	42	44	71	56	64	.325	.320	.343	48.42	3.20	5.4	5.8	4.9	5.5

BENTONVILLE, ARK.

[ϕ=36° 22′ N.; λ=94° 12′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.809	29.170	28.250	29.1	39.8	....	44.0	25.6	34.8	66	14	25	28	....	83	63	....	0.138	0.157	.....	2.27	0.96	5.6	5.4	....	5.4
February	28.719	29.050	28.320	33.7	45.3	....	49.7	29.8	39.8	68	9	28	30	....	79	57	....	.168	.184	.....	.66	.28	4.6	5.4	....	5.9
March	28.571	29.160	27.840	39.5	52.6	....	57.9	36.6	47.2	76	4	30	33	....	71	50	....	.189	.214	.....	6.60	2.53	4.5	5.5	....	5.4
April	28.406	28.770	27.960	47.9	60.7	....	65.9	42.8	54.4	85	19	39	37	....	73	46	....	.259	.240	.....	2.54	.64	4.5	4.0	....	4.8
May	28.589	28.880	28.330	61.4	71.6	....	77.1	57.8	67.4	87	43	57	59	....	85	67	....	.472	.516	.....	5.84	1.70	6.3	6.5	....	6.7
June	28.648	28.851	28.350	66.9	78.8	....	82.1	61.2	71.6	92	51	60	61	....	79	56	....	.522	.545	.....	2.02	.98	3.7	4.8	....	4.4
July	28.668	28.835	28.390	71.5	83.3	....	87.4	65.7	76.6	96	55	66	65	....	84	56	....	.654	.634	.....	2.83	2.14	3.6	3.9	....	4.2
August	28.655	28.846	28.320	66.6	78.8	....	83.3	63.4	73.4	89	55	63	65	....	90	64	....	.590	.621	.....	6.30	1.67	4.5	5.6	....	4.8
September	28.649	28.910	28.300	63.6	76.8	....	80.8	60.4	70.6	92	35	61	62	....	90	62	....	.546	.582	.....	4.50	1.51	3.7	4.2	....	4.4
October	28.700	28.990	28.360	53.0	68.5	....	71.4	51.3	61.4	82	34	50	52	....	89	58	....	.372	.401	.....	5.00	2.01	3.9	3.8	....	4.3
November	28.769	29.250	28.400	37.3	48.6	....	52.5	33.8	43.2	72	13	33	34	....	84	59	....	.208	.210	.....	.93	.24	4.9	4.4	....	5.3
December	28.599	29.020	28.060	34.1	43.6	....	48.1	30.3	39.2	68	10	29	29	....	81	59	....	.171	.176	.....	2.67	1.22	5.1	5.0	....	5.5
Year	28.648	29.250	27.840	50.4	62.4	....	66.7	46.6	56.6	96	4	45	46	....	82	58	....	.357	.373	.....	42.16	2.53	4.6	4.9	....	5.1

Annual meteorological summary for the year ending December 31, 1920—Continued.

AUGUSTA, GA.

[H_b=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.	No. 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	6.9	NW.	30	NW.	0	12	6	5	1	8	6	5	19	0	9	3	19	8	7	0	0	0	2	0	0	5	1	0
February	7.1	NW.	25	NW.	0	6	8	8	7	3	1	11	14	0	13	1	15	10	8	0	0	0	4	0	0	9	0	0
March	7.1	S.	33	NW.	0	7	3	7	3	17	7	3	14	1	16	0	15	10	10	1	0	0	0	0	0	7	5	1
April	7.5	S.	29	SW.	0	3	5	8	9	10	8	9	8	0	11	5	14	10	9	0	0	0	0	0	0	0	4	0
May	5.5	NE.	30	NW.	0	6	12	18	4	11	2	0	8	1	8	11	12	8	7	0	0	0	0	0	2	0	1	0
June	5.2	NW.	20	W.	0	3	8	6	17	8	7	2	9	0	15	8	7	5	5	0	0	0	0	0	13	0	1	0
July	5.1	S.	28	SW.	0	0	3	5	11	13	21	3	5	1	11	9	11	13	11	0	0	0	0	0	16	0	10	0
August	4.4	S.	30	S.	0	3	1	9	15	13	5	7	8	1	2	15	14	13	10	0	0	0	0	0	11	0	13	0
September	4.5	NW.	29	NW.	0	4	17	11	9	3	2	3	10	1	7	16	7	9	8	0	0	0	1	0	11	0	8	0
October	4.0	NW.	18	NW.	0	5	8	6	1	2	0	2	27	11	20	4	7	3	2	0	0	0	2	0	0	0	0	0
November	4.8	NW.	22	SW.	0	5	14	3	6	1	1	2	19	9	15	3	12	5	4	0	0	0	3	0	0	1	0	0
December	5.7	NW.	30	NW.	0	6	3	6	6	3	1	16	17	4	11	4	16	9	9	0	0	0	4	0	0	4	0	0
Year	5.6	NW.	33	NW.	0	60	88	92	89	92	61	63	158	29	138	79	149	103	90	1	0	0	16	0	53	26	43	1

BAKER, OREG.

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

January	6.1	SE.	24	SW.	0	0	2	2	31	9	4	4	9	1	10	6	15	3	2	2	1	0	0	16	0	24	0	0
February	5.5	SE.	19	SE.	0	5	3	2	23	4	4	8	8	1	18	4	7	2	0	2	2	0	1	0	0	29	0	0
March	6.4	SE.	28	S.	0	9	3	2	31	6	4	4	3	0	8	9	14	14	12	8	7	0	0	1	0	24	0	0
April	7.0	SE.	28	W.	0	9	2	0	17	7	3	4	17	1	7	13	10	11	9	9	7	1	0	0	0	21	0	0
May	6.3	SE.	20	N.	0	12	2	2	29	0	1	3	12	1	14	13	4	5	4	5	3	0	0	0	0	6	0	0
June	5.6	NW.	27	SE.	0	8	0	1	23	3	1	6	17	1	7	12	11	10	5	0	0	0	0	0	0	1	4	0
July	5.8	SE.	34	SE.	0	7	1	1	29	7	1	2	14	0	19	9	3	4	4	0	0	0	0	0	7	0	3	0
August	5.8	NW.	19	SW.	0	6	0	1	25	4	2	3	21	0	19	10	2	6	2	0	0	0	0	0	5	0	2	0
September	5.9	SE.	24	SW.	0	4	1	1	30	4	5	5	10	0	15	8	7	8	5	0	0	0	0	0	0	0	1	0
October	6.4	SE.	26	SE.	0	7	5	0	25	4	7	3	10	1	8	8	15	9	8	3	2	0	0	0	0	12	0	0
November	6.3	SE.	28	SE.	0	1	3	3	38	5	1	6	3	0	10	3	17	9	5	7	1	0	1	0	0	22	0	0
December	6.2	SE.	34	S.	0	2	2	2	34	6	5	7	3	1	3	4	24	16	10	18	14	0	0	5	0	30	0	0
Year	6.1	SE.	34	SE.	0	70	24	17	335	59	38	55	127	7	138	99	129	97	66	54	37	1	2	22	12	169	10	0

BALTIMORE, MD.

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

January	7.3	N.	24	N.	0	16	8	3	1	7	12	3	12	0	12	3	16	9	9	4	2	0	3	11	0	28	0	0
February	8.5	NW.	32	N.	0	8	8	7	3	8	8	4	12	0	8	9	12	14	10	9	5	0	4	5	0	21	1	0
March	7.2	SW.	35	NW.	0	4	4	3	9	9	21	1	10	1	17	6	8	8	7	4	3	0	2	2	0	11	1	2
April	8.0	SW.	27	SW.	0	7	7	3	7	6	15	3	12	0	8	11	11	14	13	1	0	0	1	0	0	2	2	0
May	7.0	N.	40	N.	1	16	7	5	6	15	6	2	5	0	12	7	12	9	8	0	0	1	0	0	0	0	2	0
June	6.0	SW.	40	NW.	1	9	7	3	5	6	20	2	7	1	9	11	10	13	10	0	0	2	0	0	4	0	8	0
July	6.6	S.	21	SW.	0	10	1	1	5	18	16	3	7	1	12	12	7	10	8	0	0	0	0	0	5	0	9	0
August	6.1	NE.	26	N.	0	11	13	7	2	15	7	5	2	0	5	8	18	16	16	0	0	0	0	0	2	0	10	0
September	5.2	NW.	17	N.	0	7	6	5	3	12	7	4	14	2	14	10	6	7	5	0	0	0	3	0	0	0	3	2
October	5.1	SW.	19	W.	0	7	4	3	2	10	14	5	13	4	18	8	5	1	1	0	0	0	2	0	0	0	0	0
November	6.2	SW.	32	NE.	0	4	14	3	3	3	17	6	7	3	8	5	17	10	9	1	0	0	1	0	0	3	0	0
December	6.7	SW.	30	S.	0	11	5	4	2	4	23	2	11	0	6	7	18	8	7	4	2	0	5	1	0	14	1	0
Year	6.7	SW.	40	NW.	2	110	84	47	48	113	166	40	112	12	129	97	140	119	103	23	12	3	21	19	11	79	37	4

BENTONVILLE, ARK.

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

January	5.6	N.	20	S.	0	6	5	2	3	5	8	0	2	0	15	3	13	6	5	5	4	1	0	4	0	27	0	0
February	5.7	NW.	28	S.	0	5	1	1	2	3	3	2	11	1	11	6	12	7	2	6	3	0	0	4	0	14	0	0
March	9.4	S.	35	S.	0	4	1	1	2	10	3	2	7	1	10	10	11	12	12	2	2	1	0	4	0	9	10	0
April	8.0	S.	32	S.	0	1	1	5	3	5	6	4	5	0	14	7	9	11	10	1	1	0	0	0	0	4	7	0
May	5.0	S.	20	N.	0	2	4	7	7	7	1	1	0	2	7	10	14	16	14	0	0	4	0	0	0	0	14	0
June	4.4	S.	26	W.	0	2	5	2	5	9	5	0	2	0	16	6	8	6	4	0	0	0	0	0	4	0	3	0
July	3.4	E.	22	SW.	0	3	4	7	3	3	6	1	3	1	17	10	4	6	5	0	0	0	0	0	11	0	7	0
August	3.4	S.	18	N.	0	4	4	5	5	5	2	1	4	1	11	12	8	18	14	0	0	0	0	0	0	0	11	0
September	4.8	S.	20	S.	0	3	8	3	4	9	2	1	0	0	14	7	9	7	7	0	0	0	0	0	1	0	6	0
October	5.5	S.	22	S.	0	3	1	1	5	12	5	2	2	0	17	4	10	9	8	0	0	0	0	0	0	0	3	0
November	5.5	S.	24	S.	0	3	4	1	2	8	5	1	6	0	11	9	10	8	8	1	0	0	0	1	0	12	0	0
December	7.6	S.	26	SE.	0	4	1	2	2	10	3	2	7	0	11	7	13	10	7	6	2	0	1	2	0	17	4	0
Year	5.7	S.	35	S.	0	40	39	37	43	86	49	17	49	6	154	91	121	116	96	21	12	6	1	15	16	83	65	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

BINGHAMTON, N. Y.

[ϕ=42° 06′ 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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.192	29.990	28.510	13.1	18.8	....	24.7	5.8	15.2	43	−13	10	12	....	88	73	....	0.077	0.081	....	1.77	0.60	8.3	7.5	....	7.5
February	29.039	29.930	28.540	18.3	26.2	....	30.2	13.3	21.8	46	−17	14	17	....	84	66	....	.086	.099	....	1.69	0.43	8.2	8.0	....	7.7
March	29.031	29.460	28.430	29.6	41.0	....	47.5	24.5	36.0	71	− 6	24	28	....	80	60	....	.145	.166	....	2.72	1.72	5.5	6.1	....	5.7
April	28.873	29.290	28.340	38.8	48.1	....	52.5	34.8	43.6	71	20	33	33	....	78	58	....	.192	.193	....	2.43	0.60	7.0	7.2	....	7.4
May	29.133	29.584	28.880	50.6	61.6	....	65.7	43.8	54.8	84	30	41	40	....	72	48	....	.269	.264	....	1.51	0.85	4.9	5.5	....	5.7
June	29.046	29.457	28.636	61.1	72.0	....	76.3	54.3	65.3	91	45	55	55	....	80	57	....	.437	.439	....	3.86	1.50	5.7	6.5	....	6.5
July	29.057	29.306	28.660	63.7	74.6	....	79.2	57.9	68.6	87	45	57	57	....	80	56	....	.476	.482	....	6.30	2.36	6.1	6.0	....	6.1
August	29.144	29.419	28.740	64.5	75.9	....	80.2	59.9	70.0	88	47	60	61	....	85	60	....	.528	.544	....	3.72	1.32	6.8	6.9	....	6.7
September	29.093	29.377	28.440	56.4	68.8	....	73.8	53.0	63.4	84	35	52	56	....	87	65	....	.411	.461	....	6.04	2.50	6.3	5.2	....	5.7
October	29.155	29.441	28.450	48.2	63.5	....	68.5	45.4	57.0	81	34	44	48	....	87	59	....	.300	.352	....	1.45	0.82	7.0	4.7	....	4.8
November	29.150	29.620	28.430	36.9	40.8	....	44.2	33.6	38.9	59	21	32	32	....	82	72	....	.183	.189	....	3.24	1.16	9.2	9.2	....	8.9
December	28.984	29.550	28.360	30.9	34.6	....	37.9	27.0	32.4	58	12	26	26	....	80	73	....	.147	.150	....	2.72	0.97	7.7	8.2	....	8.4
Year	29.075	29.990	28.340	42.7	52.2	....	56.7	37.8	47.2	91	−17	37	39	....	82	62	....	.271	.285	....	37.45	2.50	6.9	6.8	....	6.8

BIRMINGHAM, ALA.

[ϕ=33° 32′ N.; λ=86° 50′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.452	29.743	28.980	41.2	49.2	47.6	54.3	38.0	46.2	74	15	37	37	38	84	65	70	0.249	0.252	0.256	5.37	1.65	6.6	6.7	5.7	6.8
February	29.332	29.730	28.900	39.3	47.5	46.5	52.7	36.3	44.5	70	17	33	34	33	77	63	61	.203	.218	.208	3.06	1.25	6.2	6.6	4.9	6.0
March	29.332	29.790	28.860	45.7	55.8	55.0	61.8	42.4	52.1	80	17	36	38	37	70	54	54	.245	.256	.260	10.34	4.00	4.9	5.2	3.8	5.1
April	29.137	29.430	28.780	55.7	66.8	64.2	71.7	50.7	61.2	87	33	47	46	47	75	51	56	.368	.356	.357	10.71	3.79	5.9	4.8	4.4	5.1
May	29.264	29.486	29.050	65.0	74.2	71.4	78.5	61.2	69.8	91	51	59	60	60	82	64	68	.515	.524	.521	7.94	4.29	7.3	6.4	4.7	6.1
June	29.286	29.560	29.040	71.8	83.5	78.3	86.9	66.5	76.7	94	57	63	63	63	74	52	61	.578	.576	.575	3.63	1.51	2.9	3.7	2.9	3.4
July	29.316	29.530	29.110	73.4	84.0	78.6	87.4	70.1	78.8	93	66	69	68	69	86	61	74	.704	.701	.712	4.63	0.98	5.1	6.8	5.7	6.1
August	29.306	29.440	29.140	71.2	82.5	76.5	85.8	68.5	77.2	92	58	68	68	68	90	63	77	.691	.688	.700	9.09	2.97	7.0	7.0	6.3	6.8
September	29.274	29.390	29.100	69.7	83.3	76.2	86.0	67.0	76.5	93	41	65	66	67	85	58	73	.632	.658	.670	4.12	2.73	3.4	5.9	4.2	4.9
October	29.399	29.680	29.050	56.7	75.5	67.6	78.4	54.4	66.4	88	36	48	47	47	72	38	49	.348	.345	.341	0.54	0.43	2.3	3.5	3.2	3.2
November	29.412	29.720	28.950	43.8	57.9	51.9	60.8	40.9	50.8	78	23	36	36	36	74	48	57	.226	.235	.227	2.45	0.74	4.3	5.0	3.7	4.5
December	29.326	29.620	28.800	40.1	48.7	46.8	53.2	38.0	45.6	68	24	33	35	36	76	62	67	.199	.217	.223	9.37	4.50	5.9	6.1	5.1	5.9
Year	29.320	29.790	28.780	56.1	67.4	63.4	71.5	52.8	62.2	94	15	50	50	50	79	57	64	.413	.419	.421	71.45	4.50	5.2	5.6	4.6	5.3

BISMARCK, N. DAK.

[ϕ=46° 47′ N.; λ=100° 38′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.396	29.010	27.850	3.1	11.6	9.4	17.1	−2.2	7.4	39	−32	−1	5	6	83	74	86	0.045	0.061	0.062	0.52	0.20	4.4	6.1	5.5	6.1
February	28.334	28.920	27.740	12.4	22.0	20.7	27.0	7.5	17.2	42	−21	9	13	14	84	68	75	.066	.084	.088	0.20	0.08	5.8	5.9	5.3	5.3
March	28.049	28.770	26.865	17.6	31.6	30.8	37.6	14.4	26.0	64	−17	14	20	22	87	62	71	.098	.126	.131	1.21	0.62	5.1	4.8	3.9	5.0
April	28.193	28.640	27.650	26.4	40.9	40.7	45.1	24.1	34.6	59	4	21	21	21	79	47	46	.119	.116	.116	0.45	0.30	6.0	5.5	5.5	5.7
May	28.257	28.630	27.760	47.2	62.6	62.3	66.5	43.2	54.8	82	35	38	37	38	71	42	44	.231	.225	.238	1.27	0.55	5.6	7.1	6.0	6.3
June	28.212	28.490	27.900	57.0	71.7	71.2	76.0	52.9	64.4	89	38	51	49	50	81	47	50	.383	.365	.380	2.05	0.54	5.1	5.4	4.9	5.4
July	28.272	28.540	27.890	62.4	78.5	78.2	83.1	59.0	71.0	102	51	56	56	56	81	47	48	.456	.448	.454	2.72	1.20	5.0	3.5	3.2	3.9
August	28.225	28.532	27.770	58.7	79.6	79.4	84.4	56.5	70.4	98	38	51	52	51	77	40	40	.379	.388	.380	0.59	0.39	2.7	2.2	2.4	2.5
September	28.162	28.700	27.640	49.7	68.6	66.0	73.4	47.2	60.3	94	25	44	46	46	81	47	50	.299	.322	.317	1.20	0.65	4.4	4.8	3.5	4.7
October	28.165	28.580	27.640	41.1	59.6	54.4	64.2	37.0	50.6	91	17	34	35	36	76	43	51	.201	.213	.215	0.26	0.17	5.0	4.7	3.4	4.2
November	28.343	28.912	27.820	24.3	35.7	31.7	39.3	20.0	29.6	61	0	20	24	23	82	63	71	.109	.132	.124	0.39	0.22	5.0	7.1	3.9	5.7
December	28.136	28.740	27.573	13.2	24.1	20.9	27.5	8.2	17.8	47	−20	11	17	15	89	73	78	.077	.103	.098	0.29	0.15	5.2	6.3	4.6	5.5
Year	28.229	29.010	26.865	34.4	48.9	47.1	53.4	30.6	42.0	102	−32	29	31	32	81	54	59	.205	.215	.217	11.15	1.20	4.9	5.3	4.3	5.0

BLOCK ISLAND, R. I.

[ϕ=41° 10′ N.; λ=71° 36′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.096	30.930	29.337	23.1	25.9	26.2	31.5	18.6	25.0	45	0	18	20	21	80	76	81	0.109	0.116	0.121	2.75	0.90	6.6	6.3	5.5	6.8
February	29.915	30.950	29.130	27.6	29.2	29.4	33.1	23.2	28.2	42	2	24	24	25	86	81	83	.132	.134	.138	4.00	.88	5.6	6.4	5.8	6.6
March	29.926	30.510	28.750	34.9	39.0	36.5	42.6	30.4	36.5	57	13	31	34	33	84	81	86	.181	.207	.193	4.38	2.27	4.5	4.3	3.1	4.5
April	29.773	30.110	29.140	41.7	46.4	42.2	48.8	37.9	43.4	62	30	38	42	39	88	85	89	.233	.272	.241	5.24	1.13	4.6	5.2	3.7	6.1
May	30.018	30.407	29.560	50.2	54.2	49.1	56.6	45.2	50.9	66	36	48	51	48	92	90	94	.339	.380	.331	3.29	.82	5.0	5.1	4.9	5.8
June	29.926	30.300	29.470	59.6	63.9	59.2	66.4	55.2	60.8	78	48	58	60	58	93	88	94	.487	.531	.478	5.75	3.62	5.4	5.5	6.0	6.5
July	29.946	30.240	29.450	67.2	71.3	65.8	73.1	62.3	67.7	80	57	64	67	64	91	87	94	.608	.669	.601	2.45	1.52	4.1	4.6	4.3	5.1
August	30.045	30.350	29.570	67.7	72.2	67.5	74.0	64.6	69.3	79	60	65	67	66	92	84	94	.623	.669	.632	2.57	.94	6.5	5.4	5.5	6.1
September	29.962	30.360	29.370	63.0	67.7	64.1	70.3	59.7	65.0	83	48	58	59	60	84	75	86	.493	.514	.520	0.67	.28	3.7	4.4	3.6	5.4
October	30.038	30.360	29.350	57.4	61.9	57.7	64.0	53.2	58.6	74	43	52	52	53	81	71	83	.391	.400	.404	1.48	1.18	3.7	2.8	2.8	3.9
November	30.059	30.525	29.280	43.7	46.3	44.4	49.1	39.4	44.2	63	26	38	38	38	79	72	80	.232	.230	.238	3.44	1.68	7.4	6.3	5.8	7.2
December	29.901	30.510	29.310	37.1	39.6	37.9	42.5	33.3	37.9	57	12	32	32	32	81	75	80	.190	.193	.189	6.32	1.74	6.2	5.9	5.7	6.7
Year	29.967	30.950	28.750	47.7	51.5	48.3	54.3	43.6	49.0	83	0	44	46	45	86	80	87	.335	.360	.340	42.34	3.52	5.3	5.2	4.7	6.0

Annual meteorological summary for the year ending December 31, 1920—Continued.

BINGHAMTON, N. Y.

[H_b=871 ft.; h_t=10 ft.; h_r=3 ft.; h_a=84 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. 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	6.1	NW.	30	W.	0	1	10	3	1	1	5	3	7	0	4	7	20	10	9	21	9	0	0	24	0	31	0	0
February	6.9	NW.	31	SE.	0	1	7	1	2	1	4	7	6	0	3	9	17	10	7	17	10	6	0	17	0	29	0	0
March	7.8	NW.	38	W.	0	0	6	9	3	1	3	3	6	0	7	14	10	8	7	10	4	0	0	5	0	22	1	1
April	6.9	W.	24	NW.	0	1	6	3	3	1	4	6	6	0	4	9	17	18	13	8	4	0	0	1	0	12	1	0
May	4.5	NW.	22	W.	0	4	7	2	2	1	1	7	7	0	11	6	14	6	6	1	0	0	0	0	0	2	1	0
June	4.5	W.	42	W.	1	1	8	6	1	0	2	6	4	2	6	10	14	14	10	0	0	1	0	0	1	0	4	0
July	5.3	W.	34	NW.	0	1	6	4	1	2	4	6	7	0	6	16	9	13	12	0	0	0	0	0	0	0	12	0
August	3.8	E.	26	NW.	0	4	7	11	2	1	1	2	3	0	5	11	15	14	11	0	0	1	0	0	0	0	6	0
September	4.8	NW.	25	NE.	0	0	8	5	2	1	0	6	8	0	7	12	11	12	11	0	0	0	4	0	0	0	5	0
October	4.6	W.	24	NW.	0	1	4	8	0	1	8	3	3	3	13	10	8	9	3	2	0	0	7	0	0	0	2	0
November	5.9	W.	27	W.	0	2	4	3	2	1	8	6	4	0	1	4	25	12	10	10	6	0	0	0	0	13	0	0
December	7.2	SW.	35	SW.	0	1	3	8	1	1	9	2	6	0	1	6	24	11	8	17	5	0	0	7	0	23	1	0
Year	5.7	NW.	42	W.	1	17	76	63	20	12	49	57	67	5	68	114	184	137	107	86	38	2	11	54	1	132	33	1

BIRMINGHAM, ALA.

[H_b=760 ft.; h_t=11 ft.; h_r=3 ft.; h_a=48 ft.]

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. 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.
January	8.2	N.	29	SE.	0	18	4	6	6	13	5	2	8	0	7	8	16	16	13	1	0	0	1	0	0	9	1	0
February	7.8	N.	23	N.	0	18	2	3	1	8	7	3	16	0	10	6	13	10	9	1	0	0	0	0	0	9	0	0
March	10.1	S.	38	SE.	0	10	5	4	14	14	4	2	9	0	13	5	13	11	11	1	0	0	0	0	0	8	8	0
April	9.0	S.	37	S.	0	9	3	5	10	14	4	5	10	0	10	12	8	16	12	1	0	1	1	0	0	0	10	0
May	5.7	SE.	38	SE.	0	12	7	10	14	7	2	3	7	0	6	14	11	13	12	0	0	0	0	0	1	0	12	0
June	5.0	N.	18	S.	0	10	9	7	9	9	6	7	3	0	18	8	4	6	6	0	0	0	0	0	8	0	7	0
July	4.7	S.	26	NW.	0	7	3	6	7	13	18	6	2	0	4	18	9	14	11	0	0	0	0	0	5	0	16	0
August	4.9	S.	21	SE.	0	11	5	5	10	19	7	1	4	0	4	10	17	13	12	0	0	0	0	0	4	0	11	0
September	5.3	E.	22	N.	0	10	8	15	7	2	9	5	4	0	9	15	6	6	5	0	0	0	2	0	9	0	7	0
October	5.6	SE.	22	SE.	0	8	7	17	17	4	1	1	6	1	18	9	4	3	3	0	0	0	0	0	0	0	0	0
November	5.8	NW.	22	SE.	0	15	6	5	5	4	6	1	16	2	14	7	9	9	8	0	0	0	0	0	0	5	0	0
December	7.6	NW.	36	SE.	0	6	2	4	9	11	5	9	16	0	12	5	14	10	7	0	0	0	0	0	0	7	2	0
Year	6.6	N.	38	SE.	0	134	61	87	109	118	74	45	101	3	125	117	124	127	109	4	0	1	4	0	27	38	74	0

BISMARCK, N. DAK.

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

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. 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.
January	8.4	NW.	29	NW.	0	10	5	10	9	3	3	3	19	0	6	10	15	7	5	16	7	0	0	25	0	31	0	2
February	9.9	NW.	38	NW.	0	6	2	5	4	4	2	4	31	0	9	11	9	4	2	12	4	0	2	20	0	29	0	0
March	10.9	NW.	56	NW.	2	6	5	11	9	1	2	4	23	1	13	10	8	5	5	8	4	0	0	9	0	29	0	1
April	10.5	NW.	31	NW.	0	12	10	15	4	2	0	0	16	1	8	12	10	6	4	8	3	1	0	6	0	22	0	0
May	12.3	E.	38	S.	0	2	2	19	9	12	1	4	10	3	8	8	15	7	4	0	0	1	0	0	0	0	1	0
June	9.3	NW.	34	SW.	0	10	4	14	13	3	4	5	7	0	7	16	7	12	10	0	0	1	1	0	0	0	13	0
July	8.1	NW.	32	NE.	0	10	8	8	11	7	1	5	12	0	14	13	4	9	7	0	0	0	0	0	7	0	10	0
August	9.9	SE.	35	SE.	0	3	2	14	19	5	1	5	11	2	22	4	5	6	4	0	0	0	0	0	9	0	5	2
September	8.9	NW.	35	NW.	0	6	9	8	11	1	3	7	15	0	12	9	9	7	5	1	0	0	0	0	1	2	4	3
October	9.4	NW.	35	S.	0	3	5	12	8	3	4	10	16	1	15	7	9	3	2	1	0	0	0	0	2	7	0	0
November	8.2	NW.	33	NW.	0	4	5	10	6	4	2	7	22	0	8	10	12	3	3	7	1	0	1	7	0	29	0	0
December	8.5	NW.	40	NW.	1	3	4	10	7	0	1	3	34	0	11	7	13	4	3	11	4	0	2	14	0	31	0	0
Year	9.5	NW.	56	NW.	3	75	61	136	110	45	24	57	216	8	133	117	116	73	54	64	23	3	6	81	19	180	33	8

BLOCK ISLAND, R. I.

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

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. 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.
January	23.1	W.	60	W.	10	12	10	2	3	1	6	12	16	0	9	4	18	16	11	12	9	0	2	14	0	28	0	0
February	23.4	W.	70	NE.	11	4	11	1	2	3	10	13	14	0	11	2	16	15	14	9	9	0	6	8	0	28	0	0
March	22.7	SW.	72	NW.	12	1	5	0	7	6	18	13	12	0	18	2	11	11	11	3	3	0	5	4	0	15	1	1
April	19.5	SW.	50	W.	7	2	3	6	7	3	14	13	11	1	11	3	16	15	13	1	1	0	5	0	0	3	4	1
May	15.2	SW.	38	W.	0	5	14	2	6	7	15	8	5	0	10	7	14	13	13	0	0	0	2	0	0	0	1	0
June	15.4	SW.	48	E.	3	4	5	4	2	4	29	6	5	1	7	10	13	11	8	0	0	0	5	0	0	0	4	0
July	14.6	SW.	46	SW.	1	2	0	0	2	8	38	10	2	0	15	5	11	8	6	0	0	0	8	0	0	0	2	0
August	12.6	SW.	50	NW.	1	5	9	7	6	4	27	4	0	0	7	6	18	13	10	0	0	1	7	0	0	0	5	0
September	13.8	W.	46	SE.	4	7	2	4	1	11	11	13	11	0	13	5	12	6	4	0	0	0	5	0	0	0	1	0
October	15.0	SW.	46	W.	4	4	9	6	5	2	20	9	6	1	17	6	8	2	2	0	0	0	3	0	0	0	0	0
November	20.8	NW.	70	E.	10	3	15	3	3	1	6	14	15	0	5	6	19	9	7	1	0	0	0	0	0	2	0	0
December	24.0	NW.	62	NW.	13	4	5	4	3	1	7	18	19	1	6	10	15	9	7	4	1	0	2	2	0	11	0	0
Year	18.3	SW.	72	NW.	76	53	88	39	47	51	201	133	116	4	129	66	171	128	106	30	23	1	50	28	0	87	18	2

Annual meteorological summary for the year ending December 31, 1920—Continued.

BOISE, IDAHO.

[ϕ=43° 37′ N.; λ=116° 08′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	27.379	27.730	27.015	25.5	34.9	34.2	38.0	22.2	30.1	56	8	22	24	26	86	63	72	0.124	0.133	0.145	0.66	0.28	3.9	4.7	5.0	5.2
February	27.303	27.600	26.800	29.7	39.7	41.5	43.3	27.5	35.4	59	20	26	26	27	84	60	58	.137	.141	.147	0.35	0.29	1.4	4.1	3.8	4.4
March	27.052	27.520	26.560	36.1	45.3	48.0	49.5	32.1	40.8	65	24	29	29	31	77	52	53	.162	.162	.178	1.89	0.76	6.5	6.7	5.8	6.2
April	27.060	27.420	26.660	37.9	51.3	53.4	56.0	34.9	45.4	67	23	32	33	34	80	51	51	.185	.192	.205	1.32	0.54	5.7	6.2	6.4	6.1
May	27.114	27.390	26.810	43.7	62.4	66.5	68.4	41.5	55.0	81	32	37	41	40	77	47	40	.220	.267	.253	0.56	0.47	2.6	3.5	3.5	2.9
June	27.102	27.400	26.810	53.0	72.1	75.4	78.0	50.2	64.1	96	35	44	42	42	72	35	32	.292	.276	.276	1.18	0.84	5.2	3.6	4.1	4.1
July	27.124	27.390	26.870	62.5	83.9	90.1	91.8	60.5	76.2	99	52	48	47	48	59	30	24	.333	.337	.341	0.05	0.04	2.5	1.8	2.0	2.2
August	27.135	27.450	26.840	60.1	80.9	85.7	87.9	56.6	72.2	107	42	44	45	44	57	30	24	.291	.312	.295	0.33	0.20	1.5	1.5	1.4	1.5
September	27.099	27.520	26.770	54.1	71.2	73.2	76.4	50.0	63.2	92	40	42	44	46	64	41	41	.267	.298	.317	0.64	0.34	4.1	3.8	4.0	4.2
October	27.153	27.560	26.760	42.6	54.8	54.7	58.2	38.5	48.4	83	26	35	36	37	77	52	53	.205	.212	.221	2.34	0.70	5.0	5.0	5.3	6.0
November	27.285	27.580	26.940	37.1	45.9	44.5	48.4	33.1	40.8	60	22	32	33	34	81	61	67	.180	.189	.196	1.82	0.44	6.1	6.3	5.8	6.5
December	27.172	27.740	26.577	32.9	37.0	37.0	40.5	28.1	34.3	54	16	27	29	29	79	73	73	.149	.162	.162	2.43	0.63	7.7	8.1	6.7	7.8
Year	27.165	27.740	26.560	42.9	56.6	58.7	61.4	39.6	50.5	107	8	35	36	36	74	50	49	.212	.223	.228	13.57	0.84	4.4	4.6	4.5	4.8

BOSTON, MASS.

[ϕ=42° 21′ N.; λ=71° 04′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.989	30.840	29.160	18.1	23.8	22.2	29.5	12.5	21.0	48	−8	10	13	11	70	62	62	0.079	0.089	0.082	2.72	0.80	5.9	6.6	5.0	6.6
February	29.809	30.868	28.920	24.5	30.6	29.4	34.6	20.6	27.6	52	−7	18	22	21	74	69	69	.109	.125	.118	5.88	1.89	6.5	6.3	4.6	6.8
March	29.801	30.450	28.720	35.9	42.9	40.8	48.0	30.5	39.2	72	10	26	29	30	67	59	67	.153	.173	.184	3.72	1.19	4.3	5.1	4.5	5.0
April	29.667	30.050	28.980	44.1	48.0	45.8	52.1	38.0	45.0	67	26	34	37	36	68	67	70	.200	.227	.218	5.68	1.29	5.6	6.1	5.4	6.7
May	29.917	30.292	29.540	54.0	57.6	55.3	61.8	47.5	54.6	86	36	45	48	47	72	71	75	.304	.341	.333	5.26	3.31	5.0	6.2	5.6	5.9
June	29.811	30.180	29.400	64.4	69.5	65.8	74.1	57.6	65.8	90	47	55	58	57	74	69	76	.443	.486	.480	5.78	2.59	5.4	5.7	5.0	6.5
July	29.820	30.110	29.370	71.1	77.3	72.6	81.4	63.4	72.4	90	56	60	62	62	70	62	71	.536	.583	.568	1.56	0.76	3.9	4.9	6.5	5.2
August	29.932	30.300	29.440	69.9	75.8	71.0	78.8	66.2	72.0	93	56	62	62	63	76	64	78	.559	.572	.594	2.32	1.00	6.0	5.1	5.2	6.0
September	29.847	30.250	29.300	62.6	69.2	65.8	72.9	57.6	65.2	85	45	54	55	56	74	62	73	.434	.449	.470	1.90	1.19	4.9	5.3	3.9	5.6
October	29.915	30.280	29.270	56.7	65.4	59.7	68.5	51.0	59.8	82	37	47	46	47	70	52	65	.334	.325	.337	1.64	0.89	4.7	4.1	3.2	4.5
November	29.965	30.440	29.160	39.5	45.2	42.2	48.4	35.0	41.7	64	22	31	33	34	72	65	73	.179	.195	.205	5.46	2.00	7.4	6.4	5.8	7.5
December	29.786	30.430	29.120	33.4	38.0	36.1	41.7	29.5	35.6	58	5	26	29	29	74	69	75	.152	.166	.170	3.89	1.01	5.4	6.1	5.7	6.1
Year	29.855	30.868	28.720	48.0	53.6	50.6	57.6	42.4	50.0	93	−8	39	41	41	72	64	71	.290	.311	.313	45.81	3.31	5.4	5.7	5.0	6.0

BROKEN ARROW, OKLA.

[ϕ=36° 02′ N.; λ=95° 49′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.396	29.800	28.800	29.5	37.8	36.3	42.7	26.7	34.7	62	13	28	33	33	95	83	89	0.159	0.198	0.196	2.87	1.37	5.4	6.3	5.2	6.2
February	29.297	29.750	28.850	34.0	44.0	42.8	50.7	30.8	40.8	72	4	31	34	35	89	69	73	.186	.210	.214	0.16	0.08	4.7	5.4	4.8	5.4
March	29.114	29.797	28.410	41.3	54.1	52.5	60.3	37.5	48.9	76	8	35	38	38	79	56	59	.229	.259	.250	4.34	2.53	5.5	5.2	4.6	5.0
April	28.960	29.280	28.530	48.1	60.5	59.0	66.0	43.9	55.0	87	23	42	46	46	81	62	65	.281	.324	.330	3.82	1.92	4.7	4.8	4.4	5.2
May	29.106	29.407	28.790	62.8	73.2	71.8	78.0	59.7	68.8	90	46	60	65	64	92	77	77	.534	.639	.604	6.76	2.22	6.2	6.1	6.1	6.4
June	29.163	29.370	28.810	68.4	79.3	79.1	83.5	63.3	73.4	96	55	63	66	66	82	66	66	.573	.650	.644	1.62	1.11	4.1	4.8	3.1	4.0
July	29.180	29.380	28.920	72.6	84.9	83.5	88.6	68.8	78.7	101	61	69	70	70	89	64	64	.711	.749	.730	2.61	0.89	5.3	5.2	4.0	5.0
August	29.168	29.390	28.830	68.3	80.7	78.2	84.5	65.1	74.8	94	57	65	68	67	91	68	70	.632	.698	.670	4.20	2.59	5.1	5.5	6.1	6.3
September	29.154	29.530	28.780	65.1	79.5	75.2	83.0	62.6	72.8	95	38	63	64	65	93	62	73	.594	.625	.641	3.06	1.55	3.9	4.3	3.2	4.1
October	29.216	29.517	28.850	54.5	69.7	64.8	73.0	52.5	62.8	86	36	52	55	54	90	64	70	.398	.465	.430	6.13	2.22	4.9	4.7	4.6	4.8
November	29.342	29.860	28.910	38.2	49.0	45.2	52.2	34.8	43.5	73	17	35	39	38	89	69	77	.229	.257	.245	1.10	0.46	5.0	5.2	3.5	4.9
December	29.162	29.650	28.570	34.7	45.5	41.7	49.7	30.9	40.3	71	12	30	33	32	84	63	70	.181	.199	.191	1.67	1.16	4.4	4.8	4.0	4.9
Year	29.188	29.860	28.410	51.5	63.2	60.8	67.7	48.0	57.9	101	4	48	51	51	88	67	71	.392	.439	.429	38.34	2.63	4.9	5.2	4.5	5.2

BUFFALO, N. Y.

[ϕ=42° 53′ N.; λ=78° 53′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.328	30.090	28.530	14.3	17.0	15.9	22.8	8.3	15.6	37	−11	12	11	11	87	77	79	0.078	0.074	0.073	2.58	0.65	8.9	8.4	6.5	8.7
February	29.160	29.920	28.660	18.4	22.4	21.4	27.2	12.6	19.9	49	−5	14	17	16	82	78	79	.087	.097	.093	2.35	0.54	8.2	7.9	7.1	8.1
March	29.101	29.560	28.490	32.0	37.1	37.0	45.4	26.7	36.0	76	4	25	28	28	76	70	71	.147	.166	.166	1.57	0.57	5.8	6.2	6.1	6.3
April	28.971	29.460	28.430	38.3	42.1	39.2	47.5	32.2	39.8	70	19	31	31	31	75	68	73	.180	.181	.178	2.33	0.70	5.8	6.8	7.7	7.3
May	29.249	29.703	28.984	50.5	55.6	55.6	61.3	45.1	53.2	80	31	41	41	41	70	61	62	.267	.272	.278	1.10	0.47	4.5	5.1	5.5	5.4
June	29.160	29.544	28.760	62.0	65.3	64.9	70.2	57.7	64.0	82	49	54	55	55	76	70	72	.428	.435	.438	3.11	0.90	6.0	5.9	7.4	6.2
July	29.150	29.384	28.718	64.9	68.1	67.2	72.0	60.2	66.1	81	53	57	58	57	77	71	70	.477	.490	.473	4.50	2.59	4.9	6.4	6.7	6.4
August	29.232	29.490	28.890	66.7	72.5	71.4	76.5	63.8	70.2	84	54	59	60	60	78	68	68	.519	.534	.532	1.77	0.96	6.9	6.4	7.0	6.8
September	29.187	29.441	28.760	60.7	67.8	65.0	71.8	56.8	64.3	84	42	54	54	54	78	62	68	.427	.432	.431	2.03	0.78	4.8	5.0	2.7	5.2
October	29.253	29.550	28.670	54.2	59.1	58.2	63.1	51.2	57.2	76	34	47	49	49	78	70	72	.334	.360	.356	1.77	0.92	6.5	6.5	3.9	6.8
November	29.253	29.710	28.690	36.6	39.4	38.7	43.0	33.8	38.4	57	23	32	32	31	82	76	76	.183	.190	.180	4.30	2.82	8.7	9.2	7.5	9.2
December	29.063	29.637	28.420	31.5	33.9	32.4	37.8	27.6	32.7	58	14	27	26	27	82	74	80	.152	.147	.150	3.36	0.58	8.6	8.6	8.0	8.7
Year	29.176	30.090	28.420	44.2	48.4	47.2	53.2	39.7	46.4	84	−11	38	38	38	78	70	72	.273	.282	.279	30.77	2.82	6.6	6.9	6.3	7.1

Annual meteorological summary for the year ending December 31, 1920—Continued.

BOISE, IDAHO.

[H_b=2,739 ft.; h_t=78 ft.; h_r=72 ft.; h_a=86 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	3.6	NW.	24	W.	0	3	0	3	11	8	2	12	22	1	13	5	13	6	5	3	2	0	4	14	0	27	0	0
February	3.8	NW.	21	SE.	0	2	1	3	14	8	2	10	15	3	14	6	9	3	2	5	3	0	6	0	0	28	0	0
March	6.7	NW.	30	W.	0	5	3	7	16	4	2	6	17	2	6	17	8	12	10	13	3	0	0	0	0	16	0	1
April	7.0	NW.	37	NW.	0	8	3	3	14	6	0	4	21	1	9	7	14	9	7	8	3	1	0	0	0	8	1	0
May	6.0	NW.	27	NW.	0	5	1	3	12	1	3	16	18	3	19	10	2	3	2	0	0	0	0	0	0	0	0	0
June	5.4	NW.	25	W.	0	6	2	0	9	7	1	14	18	3	12	14	4	5	2	0	0	0	0	0	1	0	2	0
July	5.0	NW.	22	E.	0	4	1	3	13	5	2	9	23	2	23	7	1	2	1	0	0	0	0	0	24	0	2	0
August	4.6	W.	24	SE.	0	3	1	5	6	2	2	22	19	2	25	4	2	4	3	0	0	0	0	0	18	0	2	0
September	4.0	NW.	21	NW.	0	3	1	1	13	5	1	9	20	7	15	6	9	8	4	0	0	0	0	0	3	0	1	0
October	4.9	SE.	24	NW.	0	7	1	1	17	6	2	7	19	2	11	6	14	10	9	2	0	0	1	0	0	9	0	0
November	4.9	SE.	24	SE.	0	9	1	4	21	4	1	3	14	3	8	7	15	10	10	5	2	0	0	0	0	16	0	0
December	5.1	NW.	31	NW.	0	3	3	0	17	10	3	4	21	1	3	7	21	18	11	15	8	1	3	2	0	21	1	0
Year	5.1	NW.	37	NW.	0	58	18	33	163	66	21	116	227	30	158	96	112	90	66	51	21	2	14	16	46	125	9	1

BOSTON, MASS.

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

Month.	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.
January	11.2	W.	45	W.	1	9	6	1	3	1	11	14	17	0	7	10	14	12	11	17	11	0	0	20	0	30	0	0
February	12.2	W.	40	W.	1	5	9	2	3	5	6	17	11	0	6	10	13	13	10	14	11	0	1	7	0	28	0	0
March	12.8	SW.	51	NW.	2	3	3	2	2	9	18	17	8	0	14	8	9	10	8	6	3	0	2	3	0	15	1	2
April	12.2	W.	41	W.	1	4	3	10	2	7	6	15	13	0	4	12	14	11	11	4	1	0	3	0	0	3	2	1
May	8.8	E.	27	W.	0	4	11	6	5	9	13	8	6	0	11	7	13	13	13	1	0	1	0	0	0	0	2	1
June	9.3	SW.	39	E.	0	6	2	13	1	5	13	16	4	0	9	8	13	9	7	0	0	1	1	0	1	0	2	0
July	9.9	SW.	27	NW.	0	2	0	3	1	4	22	19	11	0	11	15	5	6	5	0	0	0	0	0	1	0	3	0
August	7.3	SW.	36	NW.	0	7	3	5	7	7	17	12	4	0	8	11	12	11	8	0	0	0	2	0	2	0	5	0
September	8.7	W.	32	S.	0	6	5	4	4	8	11	13	9	0	8	13	9	9	7	0	0	0	1	0	0	0	2	0
October	9.2	W.	38	S.	0	4	0	6	3	4	17	18	10	0	12	15	4	3	3	0	0	0	0	0	0	0	0	0
November	11.7	W.	59	NE.	2	13	3	6	0	2	4	25	7	0	5	8	17	10	9	6	2	0	0	0	0	10	0	0
December	11.1	W.	45	SE.	2	9	2	4	3	3	6	25	10	0	8	11	12	11	9	5	3	0	2	2	0	19	1	0
Year	10.4	W.	59	NE.	9	72	47	62	34	64	144	199	110	0	103	128	135	118	101	53	31	2	12	32	4	105	18	4

BROKEN ARROW, OKLA.

[H_b=765 ft.; h_t=11 ft.; h_r=4 ft.; h_a=52 ft.]

Month.	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.
January	12.1	N.	45	N.	1	17	11	1	8	13	3	5	3	1	9	8	14	7	4	5	4	0	2	4	0	27	0	0
February	12.8	N.	38	S.	0	21	4	0	7	9	4	8	5	0	10	6	13	4	1	1	1	0	0	2	0	13	0	0
March	18.4	S.	57	NW.	9	9	4	0	13	21	4	3	8	0	10	14	7	7	7	2	0	2	0	3	0	8	7	1
April	16.3	SE.	48	W.	9	6	10	2	10	9	7	9	7	0	16	9	11	8	6	1	0	0	0	0	0	4	10	0
May	12.0	S.	40	S.	1	11	11	4	10	17	3	0	5	1	7	10	14	12	9	0	0	3	0	0	0	0	9	0
June	11.8	S.	41	SW.	1	7	5	3	12	28	2	0	3	0	18	6	6	8	6	0	0	0	1	0	7	0	4	0
July	8.8	S.	37	SE.	0	8	7	4	12	17	9	0	3	2	9	16	6	10	8	0	0	0	1	0	13	0	11	0
August	8.9	S.	38	N.	0	14	5	8	13	11	6	3	0	2	6	12	13	9	7	0	0	0	0	0	4	0	9	0
September	10.8	S.	36	NE.	0	17	4	2	9	26	1	0	1	0	16	9	5	6	5	0	0	0	1	0	9	0	5	0
October	13.6	S.	39	SE.	0	7	4	0	23	19	6	1	2	0	14	6	11	10	9	0	0	0	0	0	0	0	4	0
November	12.1	S.	41	S.	1	13	6	2	8	15	5	3	8	0	14	6	10	9	6	0	0	0	1	2	0	13	0	0
December	14.3	S.	52	SE.	3	10	3	1	9	19	5	7	8	0	12	10	9	7	6	1	0	0	1	4	0	17	1	0
Year	12.7	S.	57	NW.	25	140	74	27	134	204	55	39	53	6	135	112	119	97	74	10	5	5	7	15	33	82	60	1

BUFFALO, N. Y.

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

Month.	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.
January	21.4	W.	60	W.	14	6	5	8	2	6	8	22	5	0	1	6	24	20	11	23	20	0	1	26	0	31	0	0
February	19.1	W.	58	W.	7	2	8	1	3	6	11	22	5	0	3	5	21	18	11	21	18	0	3	20	0	29	0	0
March	21.8	SW.	64	W.	12	2	0	4	7	8	18	15	7	1	7	9	15	14	11	12	8	0	0	6	0	22	1	1
April	19.0	W.	60	W.	8	3	5	9	4	6	14	16	3	0	5	6	19	13	11	11	5	0	2	3	0	13	2	0
May	10.6	W.	37	SW.	0	3	9	8	5	7	9	15	6	0	12	6	13	7	4	0	0	0	2	0	0	1	3	0
June	12.9	SW.	56	W.	4	5	4	8	1	10	21	7	4	0	6	12	12	13	10	0	0	0	2	0	0	0	4	0
July	15.3	SW.	56	W.	4	4	4	2	1	8	25	11	7	0	7	12	12	13	11	0	0	1	1	0	0	0	9	0
August	10.8	S.	42	SW.	2	5	9	8	8	17	7	6	2	0	3	12	16	8	4	0	0	0	0	0	0	0	3	0
September	13.4	S.	50	SW.	6	4	4	9	9	8	9	10	7	0	9	12	9	10	9	0	0	0	0	0	0	0	6	0
October	16.2	SW.	66	SW.	5	6	4	2	4	8	24	11	3	0	6	9	16	11	6	1	0	0	5	0	0	0	1	0
November	17.8	W.	72	SW.	8	4	10	10	4	4	7	19	2	0	0	3	27	14	9	12	6	0	1	0	0	10	0	0
December	21.2	W.	96	SW.	11	1	4	6	10	5	9	25	2	0	2	5	24	17	12	17	10	0	2	11	0	23	1	0
Year	16.6	W.	96	SW.	81	45	66	75	58	93	162	179	53	1	61	97	208	158	109	97	67	1	19	66	0	129	30	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

BURLINGTON, VT.

[ϕ=44° 29′ N ; λ=73° 12′ W.]

Month.	Pressure.			Temperature.											Moisture.											
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.689	30.590	28.900	3.2	9.7	....	16.4	-3.6	6.4	36	−27	−1	4	....	80	75	....	0.048	0.057	....	1.29	0.48	7.0	6.7	....	6.2
February	29.529	30.570	28.730	14.0	19.6	....	25.4	7.7	16.6	36	−28	10	12	....	81	72	....	.073	.078	....	1.74	0.66	9.4	7.8	....	7.7
March	29.483	30.040	28.720	27.8	34.5	....	39.8	22.0	30.9	66	−13	20	23	....	71	63	....	.119	.134	....	3.38	2.05	5.9	6.2	....	6.3
April	29.349	29.751	28.760	38.3	43.5	....	47.4	32.7	40.0	64	22	30	30	....	74	61	....	.175	.175	....	5.83	1.34	6.9	7.3	....	7.1
May	29.609	30.008	29.300	53.4	60.9	....	64.3	43.9	54.1	81	29	42	41	....	66	50	....	.277	.277	....	1.74	0.78	5.4	6.2	....	5.8
June	29.513	29.900	29.130	62.1	69.1	....	73.0	53.7	63.4	85	47	53	54	....	74	60	....	.415	.423	....	4.01	1.80	6.4	6.6	....	6.6
July	29.490	29.788	29.060	64.9	71.7	....	75.4	58.0	66.7	85	49	57	58	....	75	63	....	.468	.494	....	4.85	1.34	6.0	6.3	....	6.5
August	29.622	29.984	29.180	66.7	74.0	....	78.6	60.0	69.3	90	46	60	60	....	80	64	....	.534	.538	....	2.37	1.26	5.8	5.7	....	5.4
September	29.550	29.910	29.000	57.0	65.3	....	69.1	51.6	60.4	84	34	52	54	....	84	69	....	.408	.439	....	5.94	2.77	5.7	5.6	....	5.8
October	29.597	29.952	28.900	50.1	58.0	....	61.5	44.0	52.8	73	33	44	46	....	81	66	....	.301	.327	....	1.76	0.33	5.5	6.5	....	6.4
November	29.658	30.140	28.920	31.9	35.1	....	39.6	27.0	33.3	57	16	26	27	....	78	73	....	.141	.151	....	2.88	0.68	9.4	9.3	....	9.0
December	29.475	30.160	28.840	23.9	27.2	....	31.2	19.3	25.2	47	−5	20	21	....	84	78	....	.112	.119	....	5.29	1.36	9.0	9.0	....	8.7
Year	29.547	30.590	28.720	41.2	47.4	....	51.8	34.7	43.3	90	−28	34	36	....	77	66	....	.256	.268	....	41.08	2.77	6.9	6.9	....	6.8

CAIRO, ILL.

[ϕ=37° 00′ N.; λ=89° 10′ W.]

January	29.856	30.240	29.200	29.8	34.4	34.9	39.8	26.5	33.2	66	13	27	26	27	88	73	74	0.153	0.156	0.153	3.48	1.35	7.0	6.2	5.6	6.5
February	29.725	30.120	29.330	33.4	40.3	40.0	45.1	30.9	38.0	65	11	28	28	30	79	62	67	.163	.174	.180	1.68	0.48	7.0	6.0	5.6	6.6
March	29.615	30.160	28.930	42.4	49.7	50.8	56.5	39.3	47.9	77	13	34	34	35	73	58	57	.219	.216	.227	3.94	1.68	5.4	5.3	5.8	5.5
April	29.436	29.820	28.980	50.3	58.2	57.7	64.1	46.4	55.2	80	26	43	42	43	78	58	60	.301	.297	.299	3.35	1.10	6.6	6.7	5.3	6.2
May	29.615	29.962	29.350	60.9	70.7	69.7	75.3	59.2	67.2	90	43	56	56	58	85	63	69	.469	.474	.508	5.02	1.77	7.8	6.1	7.5	6.8
June	29.627	29.881	29.267	68.9	79.4	78.6	83.4	65.6	74.5	94	56	61	58	61	77	50	56	.553	.490	.541	2.10	0.74	4.6	4.6	3.7	4.8
July	29.629	29.820	29.340	72.5	83.0	81.0	87.2	69.4	78.3	94	60	66	65	66	82	55	62	.657	.625	.650	2.82	1.23	4.3	5.0	4.9	4.9
August	29.639	29.820	29.456	69.1	78.6	77.3	83.4	66.8	75.1	90	57	65	64	65	88	64	68	.637	.623	.639	2.48	1.39	5.2	6.0	5.4	5.9
September	29.627	29.840	29.480	66.4	77.5	74.3	81.6	64.4	73.0	91	41	62	61	62	86	59	67	.578	.561	.582	2.19	0.77	4.8	6.0	4.6	5.1
October	29.734	30.050	29.260	55.1	70.9	65.6	73.9	53.9	63.9	84	32	49	50	51	81	49	61	.366	.380	.389	2.09	1.17	4.5	4.7	3.1	4.7
November	29.793	30.270	29.346	38.9	49.2	47.4	52.4	36.6	44.5	73	19	33	35	34	79	60	61	.203	.223	.217	0.70	0.30	5.4	5.6	5.0	5.6
December	29.637	30.040	28.940	36.5	43.1	42.7	47.3	33.2	40.2	64	14	32	32	32	82	68	66	.193	.199	.191	5.10	2.30	6.1	6.0	6.1	6.3
Year	29.661	30.270	28.930	52.0	61.2	60.0	65.8	49.4	57.6	94	11	46	46	47	82	60	64	.374	.368	.381	34.05	2.30	5.7	5.7	5.2	5.7

CANTON, N. Y.

[ϕ=44° 36′ N.; λ=75° 10′ W.]

January	29.654	30.580	28.826	0.6	8.3	....	15.2	-7.0	4.1	37	−36	2	4	....	87	79	....	0.048	0.056	....	1.69	0.38	6.3	5.0	....	5.8
February	29.490	30.510	28.810	10.9	18.9	....	24.8	5.9	15.4	41	−30	8	12	....	85	73	....	.067	.078	....	2.21	0.82	7.1	4.8	....	5.6
March	29.420	29.950	28.780	28.3	35.6	....	39.8	21.6	30.7	71	−20	22	25	....	78	67	....	.136	.150	....	2.26	0.52	5.6	5.1	....	5.2
April	29.286	29.728	28.720	37.5	44.1	....	48.1	32.3	40.2	66	20	32	33	....	78	66	....	.180	.191	....	3.45	0.79	5.9	6.9	....	6.9
May	29.562	29.968	29.230	53.4	61.5	....	65.3	44.8	55.0	82	33	43	43	....	69	53	....	.289	.291	....	1.41	0.48	4.0	4.3	....	4.0
June	29.463	29.860	29.120	62.7	71.0	....	73.8	53.4	63.6	87	42	54	55	....	75	58	....	.430	.440	....	2.69	0.70	5.3	4.6	....	5.1
July	29.440	29.730	29.020	64.6	72.0	....	75.2	56.7	66.0	85	46	57	57	....	77	62	....	.478	.479	....	4.98	1.84	5.5	5.2	....	6.0
August	29.567	29.909	29.130	66.1	75.2	....	79.4	58.7	69.0	90	46	60	59	....	80	59	....	.523	.519	....	1.94	0.92	4.2	4.1	....	4.6
September	29.502	29.820	29.020	57.8	67.9	....	71.7	51.1	61.4	88	32	52	52	....	82	60	....	.406	.418	....	5.11	1.72	5.0	4.3	....	4.0
October	29.547	29.890	28.910	49.3	58.2	....	61.8	43.7	52.8	74	31	44	46	....	83	67	....	.298	.327	....	1.68	0.45	5.3	5.5	....	5.9
November	29.592	30.070	28.830	30.2	34.4	....	37.9	26.1	32.0	57	12	26	28	....	84	76	....	.143	.155	....	4.45	0.96	7.9	8.9	....	9.0
December	29.413	30.060	28.714	21.1	25.1	....	28.8	17.8	23.3	48	−4	19	21	....	89	82	....	.110	.116	....	5.41	1.24	8.6	8.1	....	8.3
Year	29.495	30.580	28.714	40.2	47.7	....	51.8	33.8	42.8	90	−36	35	36	....	81	67	....	.259	.268	....	37.28	1.84	5.9	5.6	....	5.9

CAPE HENRY, VA.

[ϕ=36° 56′ N.; λ=76° 00′ W.]

January	30.182	30.760	29.570	35.5	40.1	37.5	45.3	29.6	37.4	75	18	....	34	32	....	79	81	....	0.216	0.196	2.29	1.04	....	6.0	5.1	6.6
February	29.965	30.760	29.460	34.4	39.1	36.8	42.7	31.2	37.0	59	19	....	36	35	....	88	92	....	.214	.203	7.92	2.74	....	5.4	4.7	6.3
March	30.040	30.510	29.170	45.9	51.9	48.2	56.3	39.0	47.6	84	23	....	42	41	....	72	78	....	.290	.271	3.76	2.24	....	4.8	3.6	4.6
April	29.841	30.200	29.220	55.8	60.5	55.7	64.8	47.9	56.4	86	34	....	45	44	....	61	67	....	.327	.300	5.16	1.46	....	4.3	4.9	5.5
May	30.048	30.470	29.670	59.1	62.9	58.2	66.5	52.9	59.7	87	42	....	50	49	....	66	73	....	.377	.352	1.00	0.54	....	5.0	4.8	5.2
June	29.967	30.310	29.490	72.3	78.3	72.9	81.7	64.5	73.1	97	56	....	65	64	....	65	74	....	.620	.597	5.29	2.17	....	3.4	5.8	4.4
July	30.001	30.230	29.620	75.0	80.1	74.3	82.4	67.7	75.0	94	60	....	68	68	....	68	81	....	.700	.690	6.31	3.18	....	4.5	5.5	4.5
August	30.033	30.210	29.760	75.3	79.1	73.4	81.8	70.1	76.0	92	65	....	71	70	....	77	89	....	.757	.731	5.83	1.72	....	6.8	6.9	6.9
September	29.987	30.220	29.250	72.8	77.2	71.7	78.6	67.2	72.9	87	59	....	64	64	....	66	79	....	.618	.616	2.98	2.55	....	3.9	3.2	4.1
October	30.101	30.320	29.520	62.6	69.1	62.7	71.5	57.0	64.2	83	40	....	55	55	....	63	77	....	.449	.448	1.58	1.56	....	3.5	2.3	3.6
November	30.099	30.470	29.370	49.9	56.3	52.4	59.1	45.6	52.4	76	35	....	44	45	....	65	77	....	.302	.312	2.93	1.08	....	5.3	5.5	5.5
December	30.004	30.460	29.470	42.9	49.2	45.0	52.0	38.8	45.4	72	28	....	38	37	....	67	75	....	.243	.234	4.36	1.66	....	5.1	4.5	5.2
Year	30.022	30.760	29.170	56.8	62.0	57.4	65.2	51.0	58.1	97	18	....	51	50	....	70	79	....	.426	.412	49.41	3.18	....	4.8	4.7	5.2

Annual meteorological summary for the year ending December 31, 1920—Continued.

BURLINGTON, VT.

[H_b=404 ft.; h_t=11 ft.; h_r=3 ft.; h_s=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.	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	S.	62	S.	2	5	2	5	6	8	0	0	5	0	7	7	17	12	7	20	12	0	0	28	0	31	0	0
February	12.9	S.	48	S.	2	7	0	1	3	7	2	2	6	1	2	9	18	12	6	18	11	0	0	22	0	29	0	0
March	15.1	S.	50	S.	4	5	1	2	0	12	6	3	2	0	8	9	14	11	8	15	8	1	0	9	0	23	1	2
April	10.5	N.	40	S.	1	9	1	0	2	7	6	1	3	1	5	7	18	17	12	9	7	0	1	1	0	14	2	1
May	8.7	S.	34	NW.	0	12	0	0	0	12	4	2	1	0	8	12	11	10	8	0	0	0	1	0	0	1	2	0
June	7.5	S.	27	S.	0	4	0	2	5	8	6	2	3	0	4	13	13	13	13	0	0	1	0	0	0	0	8	1
July	9.4	S.	40	S.	1	2	0	0	2	12	6	3	6	0	6	10	15	17	15	0	0	1	0	0	0	0	9	0
August	7.3	S.	33	S.	0	5	1	0	2	9	12	1	1	0	9	12	10	8	6	0	0	0	0	0	0	0	7	2
September	8.8	S.	37	NW.	0	4	2	2	4	9	5	0	4	0	11	5	14	11	10	0	0	0	1	0	0	0	6	0
October	10.0	S.	42	SW.	1	3	4	2	3	6	9	2	2	0	9	7	15	10	8	2	0	0	3	0	0	0	1	2
November	10.3	S.	42	W.	2	8	2	1	4	9	2	1	3	0	0	6	24	13	9	19	9	0	0	2	0	25	0	0
December	10.5	S.	60	SE.	1	3	1	4	8	9	1	0	5	0	1	6	24	17	15	20	14	0	3	19	0	30	1	1
Year	10.0	S.	62	S.	14	67	14	19	39	108	59	17	41	2	70	103	193	151	117	103	61	3	9	81	0	153	37	9

CAIRO, ILL.

[H_b=356 ft.; h_t=87 ft.; h_r=80 ft.; h_s=93 ft.]

Month.	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.
January	10.4	N.	39	N.	0	17	14	2	5	7	7	4	6	0	8	6	17	9	8	4	0	0	6	6	0	25	1	0
February	10.2	N.	31	SW.	0	16	7	3	4	9	3	5	11	0	6	10	13	9	7	7	4	0	1	5	0	13	2	0
March	13.3	S.	49	SW.	2	8	0	1	15	21	10	0	7	0	12	7	12	11	9	4	2	0	0	3	0	8	5	0
April	12.9	S.	53	SW.	1	13	5	8	4	15	6	5	4	0	7	10	13	12	11	1	0	2	0	0	0	3	10	0
May	8.9	NE.	33	SW.	0	11	25	4	8	11	1	1	1	0	4	10	17	13	11	0	0	0	0	0	0	0	12	0
June	7.1	SW.	33	SW.	0	6	10	6	8	14	14	1	1	0	13	9	8	5	5	0	0	1	0	0	7	0	3	0
July	6.2	SW.	48	NW.	1	6	11	4	2	18	16	3	2	0	11	13	7	7	6	0	0	0	1	0	12	0	10	0
August	5.9	NE.	34	N.	0	9	18	4	4	15	8	2	1	1	9	7	15	12	8	0	0	0	0	0	0	0	13	0
September	7.2	S.	29	N.	0	5	11	3	14	9	10	4	3	1	7	15	8	8	8	0	0	0	2	0	1	0	7	0
October	6.6	S.	33	N.	0	8	8	4	10	26	3	2	1	0	15	4	12	4	4	0	0	0	1	0	0	0	1	0
November	8.9	N.	33	N.	0	15	9	5	3	14	8	3	3	0	11	4	15	6	6	1	0	0	1	1	0	9	1	0
December	10.9	S.	42	W.	2	5	10	1	7	17	7	9	6	0	8	9	14	8	7	3	1	0	2	3	0	12	1	0
Year	9.0	S.	53	SW.	6	119	128	45	84	176	93	39	46	2	111	104	151	104	90	20	7	3	14	18	20	70	66	0

CANTON, N. Y.

[H_b=448 ft.; h_t=10 ft.; h_r=4 ft.; h_s=61 ft.]

Month.	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.
January	11.8	W.	43	SW.	2	3	1	5	1	4	6	7	4	0	11	6	14	18	11	21	18	0	0	27	0	31	0	3
February	12.0	W.	43	SW.	2	3	5	2	0	1	7	8	3	0	9	9	11	13	11	18	13	0	0	20	0	29	0	1
March	15.1	SW.	48	SW.	4	1	2	2	1	5	9	8	3	0	13	4	14	16	14	12	9	0	0	10	0	22	3	5
April	12.4	W.	52	W.	2	3	2	3	2	1	6	9	4	0	6	7	17	16	13	10	5	0	0	1	0	14	2	6
May	7.8	W.	35	SW.	0	4	3	3	0	1	10	7	3	0	14	13	4	10	8	2	1	1	0	0	0	0	5	0
June	8.4	W.	33	E.	0	1	3	3	2	3	12	5	1	0	10	10	10	13	9	0	0	0	0	0	0	0	3	2
July	9.1	SW.	37	SW.	0	2	2	2	1	1	15	5	3	0	5	15	11	19	13	0	0	0	0	0	0	0	8	1
August	6.5	SW.	29	SW.	0	2	2	4	1	3	14	4	1	0	13	11	7	9	7	0	0	0	0	0	0	0	5	0
September	7.4	W.	48	SW.	1	1	2	5	0	2	9	8	3	0	14	9	7	11	11	0	0	0	1	0	0	1	5	8
October	9.5	SW.	39	SW.	0	4	1	3	2	1	15	3	2	0	11	6	14	15	9	1	0	0	2	0	0	3	2	3
November	11.6	E.	37	E.	0	0	5	7	2	2	7	4	3	0	0	6	24	13	9	17	8	0	0	7	0	26	0	1
December	10.3	W.	58	SW.	1	0	2	9	1	1	6	8	4	0	3	3	25	20	16	21	16	0	1	21	0	30	0	3
Year	10.2	SW.	58	SW.	12	24	30	48	13	25	116	76	34	0	109	99	158	173	131	102	70	1	4	86	0	156	33	33

CAPE HENRY, VA.

[H_b=18 ft.; h_t=8 ft.; h_r=3 ft.; h_s=54 ft.]

Month.	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.
January	16.5	*NE.	47	NE.	6	8	7	2	0	2	5	6	1	0	8	6	17	8	8	5	1	0	3	3	0	23	0	0
February	16.7	NW.	64	NE.	6	4	5	2	1	5	3	5	4	0	7	9	13	16	12	5	5	0	7	2	0	14	0	0
March	14.3	SW.	59	NW.	4	2	1	1	2	9	7	3	6	0	14	7	10	9	6	2	1	1	2	1	0	7	1	4
April	14.3	SW.	54	N.	5	4	2	0	3	10	7	3	1	0	11	6	13	13	12	0	0	0	1	0	0	0	8	0
May	14.0	NE.	54	N.	2	0	11	5	4	7	3	1	0	0	12	8	11	5	4	0	0	0	3	0	0	0	1	0
June	10.5	SW.	42	N.	1	1	3	3	3	6	13	0	1	0	13	11	6	16	14	0	0	0	0	0	5	0	7	0
July	10.8	SW.	64	N.	2	0	4	3	3	3	15	3	0	0	14	11	6	11	9	0	0	0	1	0	6	0	8	0
August	11.0	SW.	40	NE.	1	3	5	3	1	8	9	0	2	0	6	9	16	17	17	0	0	0	1	0	2	0	10	0
September	11.2	E.	56	N.	1	1	6	6	4	8	3	0	2	0	16	7	7	5	4	0	0	0	3	0	0	0	3	0
October	12.2	W.	38	N.	0	0	9	2	2	3	7	7	1	0	18	6	7	2	1	0	0	0	4	0	0	0	0	0
November	15.2	NE.	59	E.	4	1	10	4	3	0	8	3	1	0	11	6	13	8	5	0	0	0	0	0	0	0	1	0
December	14.1	NE.	66	NE.	3	2	7	1	1	4	4	5	7	0	12	6	13	9	8	0	0	0	1	0	0	5	0	0
Year	13.4	SW.	66	NE.	35	26	70	32	27	65	84	36	26	0	142	92	132	119	100	12	7	1	26	6	13	49	39	4

*By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

CAPE MAY, N. J.

[ϕ=38° 56′ N.; λ=74° 51′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.202	30.892	29.564	25.9	....	30.5	35.6	22.5	29.0	49	7	20	....	22	75	....	74	0.114	....	0.128	3.38	1.10	6.3	....	3.9	5.7
February	30.010	30.914	29.476	29.4	....	32.3	36.9	26.6	31.8	45	7	25	....	28	81	....	83	.141	....	.156	4.89	1.49	5.6	....	5.1	5.7
March	30.045	30.507	29.298	38.3	....	41.0	48.6	34.5	41.6	71	19	31	....	34	75	....	77	.183	....	.203	2.78	1.07	4.4	....	3.4	3.8
April	29.847	30.211	29.349	47.7	....	48.9	56.6	42.8	49.7	78	31	38	....	40	71	....	72	.241	....	.251	2.90	.81	4.1	....	4.2	4.6
May	30.072	30.524	29.732	55.2	....	55.4	62.4	50.0	56.2	78	41	46	....	47	74	....	76	.326	....	.333	1.80	.66	5.2	....	4.4	5.0
June	29.988	30.332	29.584	67.3	....	66.5	75.7	62.6	69.2	90	56	60	....	61	80	....	84	.535	....	.547	5.36	1.06	3.7	....	5.3	4.5
July	30.017	30.262	29.616	69.8	....	68.5	76.8	64.5	70.6	85	55	64	....	64	82	....	88	.599	....	.613	3.42	1.51	3.5	....	4.5	3.8
August	30.066	30.252	29.759	68.0	....	69.0	75.3	65.7	70.5	88	59	65	....	66	91	....	91	.623	....	.642	7.78	2.82	7.4	....	6.7	7.3
September	30.020	30.322	29.308	67.6	....	68.7	75.8	63.2	69.5	86	45	61	....	61	81	....	79	.556	....	.560	2.02	1.99	3.8	....	2.7	4.2
October	30.124	30.338	29.632	57.3	....	61.0	69.4	55.0	62.2	83	44	52	....	53	82	....	76	.396	....	.418	1.47	.84	2.5	....	1.8	2.6
November	30.136	30.555	29.584	45.4	....	47.6	53.5	42.1	47.8	70	26	40	....	41	83	....	79	.260	....	.272	6.06	2.24	6.4	....	5.3	6.3
December	30.017	30.575	29.577	38.5	....	40.5	45.5	34.6	40.0	56	21	33	....	32	81	....	72	.202	....	.191	4.07	1.25	5.9	....	5.3	6.4
Year	30.045	30.914	29.298	50.9	....	52.5	59.3	47.0	53.2	90	7	45	....	46	80	....	79	.348	....	.360	45.93	2.82	4.9	....	4.4	5.0

CHARLES CITY, IOWA.

[ϕ=43° 04′ N; λ=92° 38′ W.]

January	29.147	29.647	28.520	6.8	15.7	12.3	18.7	1.3	10.0	38	−15	5	11	9	90	78	85	0.056	0.073	0.067	0.65	0.39	5.3	6.0	5.5	6.5
February	29.014	29.564	28.389	16.2	22.9	21.6	26.0	12.5	19.2	35	−16	14	17	18	91	77	84	.091	.099	.102	.21	.08	7.2	6.7	6.8	7.2
March	28.747	29.312	27.921	27.9	39.1	37.5	44.4	24.3	34.4	75	−8	25	28	30	86	66	75	.148	.171	.177	2.85	1.40	5.2	4.8	4.8	5.4
April	28.764	29.130	28.220	35.4	44.1	43.6	48.8	31.8	40.3	71	15	30	29	32	81	56	62	.178	.168	.185	3.31	1.26	6.6	7.0	6.6	6.7
May	28.986	29.369	28.560	52.1	66.0	63.1	69.3	46.5	57.9	84	34	43	43	46	72	46	56	.287	.294	.325	4.54	1.95	4.7	4.9	5.7	5.1
June	28.902	29.230	28.432	64.1	76.3	74.6	79.8	58.5	69.2	95	43	57	58	59	78	55	59	.490	.510	.519	4.43	1.51	6.0	4.9	4.5	5.0
July	28.942	29.200	28.647	64.2	76.3	76.6	80.5	59.4	70.0	91	52	58	57	60	80	54	59	.483	.475	.532	2.92	.90	4.1	4.0	3.7	4.5
August	28.975	29.228	28.619	60.1	75.8	72.1	79.5	55.9	67.7	90	46	56	56	58	86	53	62	.456	.466	.485	4.46	2.09	3.2	4.3	3.5	4.5
September	28.910	29.270	28.570	57.3	71.2	65.9	74.5	54.2	64.4	88	34	54	54	56	88	56	72	.432	.434	.477	5.76	2.39	5.1	4.3	3.8	4.9
October	28.957	29.420	28.570	46.3	64.0	57.1	67.0	44.6	55.8	83	22	43	46	47	89	55	71	.300	.334	.346	4.64	2.82	4.2	3.7	3.0	4.7
November	29.028	29.590	28.530	29.8	37.2	34.1	40.5	26.5	33.5	54	10	26	29	27	86	72	76	.151	.170	.154	2.73	1.20	6.9	7.2	5.9	7.3
December	28.828	29.300	28.110	20.9	26.5	24.8	30.4	17.0	23.7	48	−14	19	22	22	91	83	89	.115	.128	.130	1.83	.89	6.8	7.2	5.3	7.5
Year	28.933	29.647	27.921	40.1	51.3	48.6	55.0	36.0	45.5	95	−16	36	38	39	85	63	71	.266	.277	.292	38.33	2.82	5.4	5.4	4.9	5.8

CHARLESTON, S. C.

[ϕ=32° 47′ N.; λ=79° 56′ W.]

January	30.154	30.490	29.640	45.4	54.9	50.6	58.8	43.1	51.0	76	18	39	41	42	80	51	74	0.266	0.282	0.291	1.60	1.10	5.8	5.8	4.2	5.8
February	29.969	30.480	29.450	43.2	51.7	48.5	55.3	41.1	48.2	68	27	37	39	40	79	62	73	.244	.257	.264	2.61	1.26	5.2	5.2	4.7	5.5
March	30.052	30.500	29.400	51.5	59.1	55.5	61.7	47.4	54.6	74	30	43	43	45	74	57	70	.314	.311	.333	4.65	1.38	4.9	5.4	5.4	5.5
April	29.852	30.161	29.410	62.4	68.7	63.1	71.7	56.3	64.0	84	36	54	53	55	76	60	77	.450	.444	.459	7.40	2.64	5.8	6.3	5.9	6.3
May	29.970	30.360	29.700	67.8	73.0	68.4	75.2	62.3	68.8	88	58	60	59	60	77	63	77	.526	.506	.531	1.96	0.57	5.1	5.9	5.7	5.8
June	29.972	30.270	29.660	76.8	82.9	77.1	85.4	71.3	78.4	97	63	68	67	68	74	60	74	.687	.675	.691	2.45	1.82	4.2	5.1	5.7	5.1
July	30.009	30.218	29.770	79.5	84.3	79.1	86.8	73.3	80.0	98	67	71	70	72	75	63	79	.762	.739	.786	4.69	1.55	4.5	6.6	7.2	6.3
August	30.014	30.180	29.790	78.9	83.8	79.6	86.1	74.4	80.2	95	66	72	72	74	81	69	82	.798	.789	.830	7.02	2.14	6.2	7.3	7.0	6.9
September	29.936	30.090	29.389	75.4	83.0	77.8	84.9	70.8	77.8	95	55	70	69	70	83	65	78	.736	.725	.748	8.30	3.62	4.4	5.8	4.6	5.2
October	30.093	30.390	29.690	62.8	74.7	67.3	76.1	58.9	67.5	84	45	56	54	57	78	50	71	.468	.452	.491	0.06	0.04	3.0	3.0	2.3	2.9
November	30.079	30.380	29.490	52.8	63.6	57.7	65.6	49.2	57.4	80	36	48	49	51	84	60	79	.354	.362	.390	3.07	1.25	4.1	4.6	4.1	4.5
December	30.025	30.320	29.700	47.6	56.5	52.0	59.4	43.5	51.4	70	34	42	41	43	81	59	72	.284	.278	.292	3.00	1.59	6.0	5.5	5.5	5.7
Year	30.010	30.500	29.389	62.0	69.7	64.7	72.2	57.6	64.9	98	18	55	55	56	78	61	76	.491	.485	.509	46.81	3.62	4.9	5.5	5.2	5.5

CHARLOTTE, N. C.

[ϕ=35° 13′ N.; λ=80° 51′ W.]

January	29.346	29.770	28.780	36.0	43.7	41.5	49.4	30.3	39.8	68	10	30	30	29	79	62	63	0.188	0.194	0.179	3.81	1.58	6.0	6.2	5.3	6.5
February	29.172	29.860	28.630	34.9	43.8	42.3	48.0	31.7	39.8	63	15	27	29	30	72	58	63	.161	.176	.180	3.54	1.13	5.7	6.0	4.7	5.8
March	29.232	29.680	28.634	44.4	55.6	53.3	60.2	39.5	49.8	77	16	35	34	34	68	46	50	.225	.218	.221	7.11	1.76	4.1	4.8	3.9	4.9
April	29.038	29.367	28.520	53.1	62.1	60.7	67.6	47.9	57.8	86	30	45	44	45	74	56	60	.315	.311	.327	5.40	1.48	5.0	5.2	4.7	4.9
May	29.206	29.610	28.890	61.4	71.8	68.7	75.7	55.4	65.6	86	44	50	49	50	68	47	53	.379	.362	.370	1.33	.69	4.1	6.3	5.5	5.5
June	29.184	29.530	28.800	71.2	81.6	78.4	85.6	65.6	75.6	96	56	61	58	61	72	48	58	.551	.501	.542	3.56	1.26	3.5	4.0	4.9	4.3
July	29.214	29.440	28.900	72.7	82.4	78.1	87.9	67.8	77.8	95	57	66	64	65	81	54	66	.652	.616	.621	4.11	1.45	5.7	4.9	6.2	5.4
August	29.238	29.390	29.060	71.0	79.4	74.8	82.7	67.1	74.9	90	62	68	67	68	89	68	81	.678	.674	.692	8.91	1.96	7.5	7.9	7.7	7.7
September	29.192	29.390	28.670	67.4	77.8	73.1	81.6	63.8	72.7	89	48	62	62	64	84	60	73	.568	.561	.599	3.53	1.02	5.4	5.3	5.3	5.4
October	29.327	29.600	28.910	55.2	71.1	65.1	74.4	51.0	62.7	84	32	48	46	48	77	43	56	.347	.335	.353	0.10	0.10	2.2	2.8	1.5	2.7
November	29.297	29.670	28.810	43.1	55.3	51.3	58.4	40.5	49.4	77	23	36	35	37	75	51	61	.223	.219	.236	4.95	2.41	4.8	4.3	4.4	4.5
December	29.203	29.590	28.790	37.9	46.8	44.3	50.7	35.2	43.0	64	26	32	33	34	79	61	68	.188	.195	.205	4.47	1.55	6.2	5.4	4.0	5.7
Year	29.221	29.860	28.520	54.0	64.4	61.0	68.5	49.6	59.1	96	10	47	46	47	76	54	63	.373	.364	.377	50.82	2.41	5.0	5.3	4.8	5.3

Annual meteorological summary for the year ending December 31, 1920—Continued.

CAPE MAY, N. J.

[H_b=17 ft.; h_1=13 ft.; h_r=3 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.	Aurorus.
	Miles	*	*Mi.*																									
January	10.5	NW.	34	NW.	0	12	10	1	0	5	6	7	21	0	11	5	15	10	9	7	2	0	5	8	0	28	0	0
February	12.1	NW.	50	E.	1	3	12	3	4	6	2	6	22	0	10	8	11	13	9	9	5	0	3	6	0	23	1	0
March	10.9	NW.	48	NW.	2	0	5	1	9	16	5	4	22	0	19	2	10	12	11	4	2	0	4	1	0	10	1	2
April	10.5	NW.	36	S.	0	2	8	4	7	11	8	8	12	0	14	8	8	11	10	1	0	0	6	0	0	1	1	0
May	9.1	NE.	36	NW.	0	4	18	3	4	15	2	3	13	0	14	4	13	8	7	0	0	0	1	0	0	0	0	0
June	7.3	S.	45	NW.	1	2	6	4	4	16	14	7	7	0	11	11	8	13	11	0	0	1	1	0	1	0	8	0
July	7.1	S.	48	NW.	1	2	6	0	8	26	9	6	5	0	15	10	6	8	7	0	0	1	4	0	0	0	8	0
August	7.1	S.	22	NE.	0	5	15	5	3	18	13	2	1	0	6	5	20	19	15	0	0	0	4	0	0	0	7	0
September	7.4	NW.	36	SE.	0	7	3	8	6	12	5	5	13	1	17	2	11	6	4	0	0	0	3	0	0	0	1	0
October	7.5	W.	28	NW.	0	9	6	5	0	7	10	15	10	0	20	6	5	4	3	0	0	0	2	0	0	0	0	0
November	8.9	NW.	42	NE.	1	11	13	2	4	4	7	5	14	0	10	4	16	13	9	0	0	0	0	0	0	3	0	0
December	11.1	NW.	40	SE.	1	7	3	3	7	3	6	16	17	0	9	4	18	8	7	4	0	0	2	0	0	12	0	0
Year	9.1	NW.	50	E.	7	64	105	39	56	139	87	84	157	1	156	69	141	125	102	25	9	2	35	15	1	77	27	2

* By eye observations at this station.

CHARLES CITY, IOWA.

[H_b=1,015 ft.; h_1=10 ft.; h_r=4 ft.; h_a=49 ft.]

January	6.9	NW.	25	SW.	0	9	7	3	11	12	2	2	16	0	8	9	14	8	3	12	8	0	0	27	0	31	0	0
February	6.1	NW.	20	W.	0	6	4	7	5	8	3	4	20	1	4	7	18	7	3	12	7	0	0	23	0	29	0	0
March	10.7	NW.	42	NW.	1	4	3	3	13	9	5	5	19	1	9	12	10	10	6	5	3	0	2	6	0	21	2	0
April	8.2	NW.	32	NW.	0	11	8	10	7	4	4	0	16	0	4	13	13	13	9	3	3	1	0	3	0	13	5	0
May	6.1	SE.	32	SW.	0	6	8	12	18	5	5	2	6	0	10	15	6	10	6	0	0	0	0	0	0	0	6	0
June	6.3	SW.	26	S.	0	6	7	5	11	12	11	1	6	1	10	17	3	14	11	0	0	0	0	0	6	0	12	0
July	5.1	NW.	24	SW.	0	5	9	4	10	8	9	3	12	2	12	16	3	11	9	0	0	0	0	0	1	0	10	0
August	4.0	SE.	20	NW.	0	9	7	5	13	16	7	0	8	3	13	13	5	10	9	0	0	0	0	0	1	0	7	0
September	5.5	S.	22	SE.	0	3	3	11	7	15	4	4	13	0	11	11	8	11	9	0	0	0	0	0	0	0	4	0
October	5.9	S.	32	SW.	0	5	3	0	10	27	2	3	10	2	14	8	9	8	5	1	0	0	2	0	0	4	3	0
November	6.6	NW.	22	NW.	0	11	6	2	5	13	6	2	15	0	5	8	17	10	8	4	3	0	1	4	0	20	0	0
December	7.6	NW.	30	NW.	0	7	1	4	12	11	0	1	26	0	5	7	19	5	5	9	5	0	3	14	0	27	1	0
Year	6.6	NW.	42	NW.	1	82	66	66	122	134	58	27	167	10	105	136	125	117	83	46	29	1	8	77	8	145	50	0

CHARLESTON, S. C.

[H_b=48 ft.; h_1=11 ft.; h_r=76 ft.; h_a=92 ft.]

January	11.7	SW.	36	W.	0	15	10	1	1	9	14	9	3	0	10	7	14	8	7	0	0	0	3	0	0	4	0	0
February	10.9	NW.	38	NE.	0	8	5	5	5	5	8	9	13	0	11	4	14	10	10	0	0	0	4	0	0	5	2	0
March	12.0	NE.	40	W.	1	4	14	4	2	13	12	4	9	0	11	7	13	9	9	1	0	1	1	0	0	3	5	0
April	12.6	S.	36	S.	0	6	8	2	4	14	16	8	2	0	10	5	15	12	10	0	0	0	1	0	0	0	6	0
May	11.6	NE.	35	NE.	0	8	22	13	4	5	7	2	1	0	9	8	14	10	7	0	0	0	0	0	0	0	2	0
June	10.7	SW.	35	S.	0	4	3	8	8	8	16	8	5	0	10	11	9	5	5	0	0	0	0	0	7	0	6	0
July	10.1	SW.	38	NW.	0	0	9	5	3	9	24	10	2	0	7	9	15	17	12	0	0	0	0	0	7	0	16	0
August	8.7	S.	34	SE.	0	2	4	4	8	20	15	7	2	0	4	11	16	13	10	0	0	0	0	0	5	0	11	0
September	9.1	NE.	29	NE.	0	11	12	6	3	8	4	10	6	0	10	13	7	12	10	0	0	0	1	0	5	0	7	0
October	9.1	N.	29	SW.	0	16	15	4	6	5	3	3	9	1	18	11	2	3	1	0	0	0	2	0	0	0	0	0
November	10.2	NE.	38	NE.	0	11	12	4	3	7	7	10	6	0	12	9	9	7	6	0	0	0	2	0	0	0	0	0
December	9.7	W.	34	SW.	0	6	9	3	3	5	6	19	11	0	10	7	14	16	9	0	0	0	0	0	0	0	1	0
Year	10.5	S.	40	W.	1	91	123	59	50	108	132	99	69	1	122	102	142	122	96	1	0	1	14	0	24	12	56	0

CHARLOTTE, N. C.

[H_b=779 ft.; h_1=55 ft.; h_r=47 ft.; h_a=62 ft.]

January	6.4	NE.	32	NW.	0	10	20	1	1	9	13	2	6	0	7	8	16	10	7	3	2	0	6	3	0	16	0	0
February	7.4	NW.	29	W.	0	11	11	3	3	6	8	5	11	0	12	3	14	9	9	1	0	0	2	1	0	14	0	0
March	6.9	SW.	31	NW.	0	3	6	4	8	10	15	2	14	0	13	7	11	12	11	1	0	0	2	0	0	8	7	1
April	7.4	SW.	38	NW.	0	9	7	6	3	8	15	6	6	0	15	4	11	13	9	0	0	1	0	0	0	2	7	0
May	4.6	NE.	15	NW.	0	9	19	10	8	5	9	0	2	0	8	13	10	8	6	0	0	0	0	0	0	0	1	0
June	4.4	SW.	18	W.	0	5	8	8	4	6	13	8	8	0	14	8	8	7	6	0	0	0	0	0	10	0	4	0
July	4.4	SW.	32	W.	0	3	8	3	3	16	17	9	3	0	10	7	14	14	10	0	0	0	0	0	14	0	11	0
August	3.8	SW.	18	NW.	0	5	8	3	8	17	14	3	4	0	2	6	23	21	15	0	0	0	0	0	1	0	13	0
September	4.1	NE.	21	NW.	0	14	20	2	3	6	1	5	6	3	7	13	10	12	9	0	0	0	0	0	0	0	5	0
October	3.6	NE.	17	NW.	0	15	10	8	2	5	8	6	6	2	20	7	4	1	1	0	0	0	1	0	0	0	0	0
November	5.3	NE.	22	NW.	0	8	21	2	1	8	9	2	9	0	15	7	8	7	7	0	0	0	0	0	0	3	0	0
December	5.9	SW.	25	W.	0	7	10	2	9	8	13	9	4	0	11	5	15	10	8	0	0	0	1	0	0	10	0	0
Year	5.4	SW.	38	NW.	0	99	148	52	53	104	135	57	79	5	134	88	144	124	98	5	2	1	12	4	25	53	48	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

CHATTANOOGA, TENN.

[ϕ=35° 04′ N.; λ=85° 14′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.408	29.760	28.850	38.5	44.9	44.8	50.5	34.5	42.5	68	13	32	33	33	78	64	64	0.210	0.218	0.219	4.37	1.16	7.5	6.7	5.5	6.7
February	29.276	29.690	28.870	35.9	43.7	43.7	49.1	33.3	41.2	70	12	29	30	30	76	59	59	.175	.183	.181	5.15	3.16	7.2	6.5	6.2	6.6
March	29.292	29.741	28.760	41.3	52.9	53.5	58.4	38.6	48.5	77	15	32	32	34	71	47	50	.206	.201	.226	7.65	1.99	6.2	5.4	4.8	5.3
April	29.089	29.360	28.620	51.0	61.8	62.4	68.3	47.7	58.0	85	30	42	42	42	72	52	51	.284	.293	.301	9.83	4.97	6.0	5.6	5.2	5.5
May	29.237	29.513	28.990	61.6	71.2	70.8	75.6	58.5	67.0	88	48	54	52	55	76	54	61	.423	.412	.455	4.59	1.62	7.0	6.7	6.3	6.4
June	29.240	29.540	28.960	68.1	79.9	77.6	83.5	64.5	74.0	93	58	61	61	63	78	55	63	.537	.547	.584	5.97	2.77	4.4	5.0	5.1	5.0
July	29.260	29.480	29.010	71.0	81.9	78.8	85.5	68.1	76.8	92	63	66	68	68	85	63	71	.650	.677	.692	6.39	2.00	6.3	6.1	6.7	6.1
August	29.268	29.400	29.090	68.8	77.9	74.8	81.6	67.1	74.4	89	59	66	68	68	90	72	80	.634	.679	.683	12.36	3.26	7.6	7.4	7.5	7.4
September	29.246	29.390	29.030	66.0	77.8	74.3	81.8	64.0	72.9	88	43	62	64	65	87	62	72	.564	.601	.623	2.50	1.48	5.7	6.0	5.2	5.6
October	29.374	29.690	28.990	51.6	69.4	65.9	74.1	50.0	62.0	82	34	46	48	50	82	48	57	.327	.357	.377	.74	.65	2.9	3.1	3.3	3.4
November	29.370	29.690	28.970	40.4	52.4	50.3	56.8	38.1	47.4	76	24	35	36	37	79	55	63	.212	.219	.232	3.08	.84	5.0	5.3	5.2	5.3
December	29.272	29.570	28.750	38.0	45.1	45.0	49.8	35.7	42.8	62	21	30	33	35	73	64	68	.173	.196	.211	8.02	2.51	6.2	6.2	6.1	6.4
Year	29.278	29.760	28.620	52.7	63.2	61.8	67.9	50.0	59.0	93	12	46	47	48	79	58	63	.366	.382	.399	70.65	4.97	6.0	5.8	5.6	5.8

CHEYENNE, WYO.

[ϕ=41° 08′ N.; λ=104° 48′ W.]

January	24.009	24.270	23.660	28.4	38.9	33.8	44.2	22.8	33.5	63	0	16	17	17	63	44	51	0.090	0.092	0.092	0.20	0.13	3.3	5.4	4.2	4.5
February	23.979	24.240	23.630	21.9	32.9	28.6	37.2	16.4	26.8	57	−1	13	17	17	68	53	63	.077	.093	.092	.69	.32	4.0	4.0	4.4	4.3
March	23.778	24.160	23.150	24.9	38.2	36.1	42.5	20.5	31.5	61	−14	15	17	17	63	44	48	.086	.094	.093	.66	.30	4.3	6.1	5.8	5.7
April	23.790	24.130	23.410	26.6	36.5	36.0	40.6	22.5	31.6	60	−4	21	23	24	77	62	63	.112	.127	.128	3.97	1.21	7.3	7.5	7.4	7.2
May	23.966	24.280	23.636	42.4	55.2	54.9	59.6	39.2	49.4	79	28	36	37	37	80	56	57	.222	.227	.223	2.15	.85	6.4	6.7	6.4	6.3
June	24.038	24.200	23.860	51.1	67.0	65.3	71.0	47.8	59.4	84	35	43	42	44	76	44	49	.284	.282	.290	.70	.24	5.9	6.8	6.8	6.4
July	24.170	24.300	23.950	56.4	74.9	73.3	78.7	53.0	65.8	91	44	46	48	48	69	40	44	.315	.333	.348	2.12	.38	2.5	4.3	6.6	4.3
August	24.130	24.300	23.810	52.6	71.1	69.1	74.9	50.7	62.8	81	41	47	43	44	82	39	45	.328	.283	.301	1.32	.33	3.9	5.3	4.9	4.8
September	24.049	24.400	23.584	47.0	66.2	63.7	69.5	44.7	57.1	84	28	38	37	36	72	35	39	.232	.223	.221	2.31	1.59	3.8	3.9	4.3	4.2
October	23.984	24.330	23.670	38.4	53.9	50.6	57.5	34.4	46.0	75	17	28	28	27	68	42	44	.156	.155	.147	.96	.54	5.3	6.0	5.1	5.5
November	24.052	24.300	23.670	27.8	37.5	32.5	40.7	22.9	31.8	62	−1	20	21	20	72	53	60	.108	.111	.106	.22	.17	4.3	4.7	3.6	4.5
December	23.846	24.260	23.390	26.4	33.6	27.9	36.9	18.9	27.9	60	−1	20	18	15	76	54	59	.111	.100	.086	.57	.35	5.0	6.1	4.2	5.5
Year	23.983	24.400	23.150	37.0	50.5	47.6	54.4	32.8	43.6	91	−14	29	29	29	72	47	52	.177	.177	.177	15.87	1.59	4.7	5.6	5.3	5.3

CHICAGO, ILL.

[ϕ=41° 53′ N.; λ=87° 37′ W.]

January	29.337	29.810	28.660	16.7	21.7	21.9	24.9	12.7	18.8	38	−5	11	15	14	77	73	71	0.075	0.089	0.087	1.11	0.37	5.8	6.0	6.1	5.9
February	29.179	29.720	28.600	22.8	27.3	27.8	31.6	19.9	25.8	49	−7	17	19	20	77	69	70	.101	.109	.112	.13	.03	6.1	7.1	6.4	6.9
March	29.009	29.507	28.250	35.9	42.8	42.5	48.2	22.2	40.2	73	3	28	30	32	72	60	66	.169	.182	.195	4.57	1.27	5.2	4.1	4.5	4.8
April	28.937	29.390	28.350	39.0	44.8	43.5	50.1	35.9	43.0	73	20	32	33	31	77	64	63	.191	.200	.185	4.71	.92	6.4	7.3	5.5	6.4
May	29.199	29.550	28.850	53.3	58.5	55.9	61.8	49.1	55.4	82	38	43	42	41	70	58	60	.233	.284	.271	1.81	.85	5.2	4.7	4.6	4.6
June	29.123	29.420	28.650	66.0	73.0	70.5	76.6	61.6	69.1	95	51	56	55	54	70	56	58	.457	.452	.438	3.94	2.28	3.7	4.6	5.1	4.1
July	29.128	29.340	28.730	68.0	74.4	72.1	79.5	63.5	71.5	98	57	58	58	57	70	59	61	.483	.501	.470	1.61	.87	4.1	4.2	4.1	3.9
August	29.170	29.400	28.870	67.8	73.4	70.1	76.5	65.6	71.0	90	59	58	59	58	73	62	63	.483	.507	.495	3.16	1.25	5.2	4.5	3.7	4.4
September	29.130	29.410	28.850	64.4	73.0	70.9	76.0	62.6	69.3	90	43	56	56	56	74	56	62	.460	.466	.473	3.35	2.04	3.7	3.8	3.2	3.8
October	29.201	29.584	28.715	56.2	65.8	63.7	69.0	54.8	61.9	82	31	47	49	48	72	56	60	.337	.358	.354	1.57	.57	4.5	4.4	3.2	4.0
November	29.220	29.680	28.680	37.3	42.7	42.2	46.0	34.4	40.2	64	16	31	32	33	76	65	70	.183	.187	.201	.92	.26	6.1	6.3	6.5	6.8
December	29.027	29.470	28.140	31.0	34.4	33.9	38.1	26.8	32.4	62	−4	25	27	28	78	73	77	.151	.161	.165	3.33	.93	5.7	6.8	7.1	6.9
Year	29.138	29.810	28.140	46.5	52.6	51.2	56.5	43.3	49.9	98	−7	38	40	39	74	63	65	.282	.291	.287	30.21	2.28	5.1	5.3	5.0	5.2

CHICAGO UNIVERSITY, ILL.

[ϕ=41° 47′ N.; λ=87° 35′ W.]

January	29.525	30.000	28.820	15.0	20.7	20.3	23.8	11.2	17.5	36	−6	11	14	14	82	72	74	0.073	0.083	0.083	0.93	0.38	6.0	5.8	6.1	6.2
February	29.364	29.887	28.770	21.8	26.7	26.4	30.2	18.9	24.6	48	−7	16	18	18	77	68	70	.093	.105	.106	.17	.06	6.3	7.0	6.5	7.1
March	29.190	29.700	28.400	34.2	42.9	41.3	47.7	30.5	39.1	73	2	28	30	31	76	61	67	.166	.184	.188	4.63	1.22	4.2	4.2	4.1	4.8
April	29.113	29.600	28.510	38.2	44.7	42.5	49.4	34.8	42.1	72	17	32	33	32	77	65	66	.188	.202	.187	4.89	1.15	6.5	6.7	5.3	6.4
May	29.376	29.730	29.030	52.2	58.0	54.0	60.7	47.3	54.0	82	38	44	43	41	73	60	65	.297	.291	.274	2.12	.80	5.1	5.3	3.9	4.6
June	29.297	29.620	28.820	64.5	72.8	69.0	75.7	59.6	67.6	93	46	56	57	56	75	59	64	.467	.473	.465	2.56	1.36	3.8	4.6	4.7	4.2
July	29.299	29.540	28.900	66.3	74.9	70.8	78.6	61.3	70.0	97	56	58	58	58	76	57	65	.495	.481	.488	2.28	1.21	4.5	3.9	3.7	3.8
August	29.346	29.590	29.040	65.4	73.8	70.8	76.5	62.4	69.4	90	53	58	60	59	78	62	68	.495	.519	.518	2.57	1.07	5.3	4.4	3.4	4.1
September	29.307	29.588	29.030	62.0	74.2	69.3	76.4	59.9	68.2	91	43	55	57	56	79	56	66	.456	.478	.477	4.51	2.04	4.0	3.8	3.7	3.6
October	29.381	29.780	28.893	53.5	66.6	61.1	68.8	52.1	60.4	82	30	45	48	48	75	54	65	.316	.347	.350	1.43	.55	3.8	4.2	3.1	4.2
November	29.410	29.870	28.850	35.8	42.2	40.8	45.2	33.0	39.1	64	16	30	31	32	80	65	72	.177	.185	.194	.91	.30	6.6	6.3	6.6	6.8
December	29.215	29.680	28.300	29.2	33.6	32.7	37.1	25.7	31.4	59	−6	24	26	26	79	74	76	.143	.156	.156	3.70	1.16	5.5	7.1	7.0	6.4
Year	29.319	30.000	28.300	44.8	52.6	49.9	55.8	41.4	48.6	97	−7	38	40	39	77	63	68	.280	.292	.290	30.70	2.64	5.1	5.3	4.8	5.2

Annual meteorological summary for the year ending December 31, 1920—Continued.

CHATTANOOGA, TENN.

[H_b=762 ft.; h_t=189 ft.; h_r=167 ft.; h_a=213 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	9.2	SW.	38	NW.	0	5	12	0	7	9	13	5	11	0	7	6	18	14	11	2	0	0	4	2	0	14	0	0
February	9.3	W.	37	NW.	0	9	10	2	3	6	3	13	12	0	6	9	14	12	10	4	2	0	3	3	0	13	0	0
March	10.9	S.	43	SE.	2	3	4	1	11	14	9	8	12	0	11	7	13	12	8	3	1	0	0	2	0	9	5	1
April	10.7	SW.	50	SW.	1	4	5	1	6	10	15	8	11	0	11	9	10	14	12	1	1	1	0	0	0	1	8	0
May	7.0	S.	28	SE.	0	8	9	1	10	13	7	5	9	0	6	10	15	11	11	0	0	1	0	0	0	0	7	0
June	6.1	SW.	34	SW.	0	7	9	1	5	5	14	11	8	0	13	9	8	10	10	0	0	0	1	0	6	0	6	0
July	5.9	SW.	39	NW.	0	5	7	0	4	7	25	11	3	0	3	19	9	14	13	0	0	0	2	0	1	0	12	0
August	5.5	SW.	38	NW.	0	7	7	1	9	12	16	4	6	0	3	8	20	23	20	0	0	0	1	0	0	0	11	0
September	5.8	NE.	36	NW.	0	7	15	3	3	11	8	7	6	0	5	16	9	12	6	0	0	0	4	0	0	0	3	0
October	4.4	N.	27	SW.	0	18	4	6	9	1	4	8	12	0	18	8	5	3	2	0	0	0	8	0	0	0	0	0
November	6.6	W.	33	SE.	0	16	7	0	4	2	7	17	6	1	12	6	12	12	9	1	1	0	5	0	0	8	0	0
December	8.4	SW.	36	W.	0	7	3	0	9	3	17	12	11	0	11	2	18	9	8	0	0	0	3	0	0	12	0	0
Year	7.5	SW.	50	SW.	3	96	92	16	80	93	138	109	107	1	106	109	151	146	120	11	5	2	31	7	7	57	52	1

* By eye observations at this station.

CHEYENNE, WYO.

[H_b=6,088 ft.; h_t=84 ft.; h_r=75 ft.; h_a=101 ft.]

Month.	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.
January	15.5	W.	70	W.	6	7	1	1	2	7	10	24	10	0	15	8	8	4	2	8	4	0	2	4	0	22	0	0
February	12.6	NW.	60	W.	3	13	4	1	0	4	6	13	17	0	14	9	6	8	6	13	8	0	1	7	0	29	0	0
March	17.3	W.	74	W.	9	11	3	0	3	3	3	25	14	0	8	13	10	7	3	15	7	0	0	4	0	29	0	2
April	15.9	W.	60	W.	5	14	6	2	2	4	4	20	8	0	3	10	17	19	13	20	15	0	0	10	0	25	1	0
May	12.9	S.	44	W.	2	10	7	2	10	12	3	12	6	0	7	10	14	13	12	4	2	2	2	0	0	5	5	0
June	10.3	S.	52	W.	1	8	6	5	3	14	3	14	7	0	5	13	12	10	5	0	0	1	0	0	0	0	10	0
July	8.6	W.	40	NE.	1	5	4	6	8	6	8	14	11	0	12	17	2	15	10	0	0	2	0	0	1	0	17	0
August	8.9	W.	46	W.	3	6	1	6	3	12	5	18	11	0	11	12	8	13	7	0	0	2	0	0	0	0	9	0
September	10.7	W.	56	W.	3	1	4	2	3	12	6	24	8	0	14	13	3	6	5	0	0	2	0	0	0	2	4	0
October	11.4	W.	55	W.	5	11	1	3	4	8	5	21	9	0	8	11	12	5	5	4	4	0	0	2	0	12	1	0
November	13.6	W.	46	W.	3	5	5	1	1	6	6	17	19	0	16	5	9	3	2	10	3	0	0	8	0	25	0	0
December	16.2	W.	58	W.	10	7	2	1	2	4	5	26	15	0	9	12	10	6	3	13	6	0	0	8	0	28	0	0
Year	12.8	W.	74	W.	51	98	44	30	41	92	64	228	135	0	122	133	111	109	73	87	49	9	5	43	1	177	47	2

CHICAGO, ILL.

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

Month.	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.
January	13.5	NW.	38	NE.	0	4	9	4	4	7	9	9	16	0	8	9	14	10	8	17	10	0	0	23	0	31	0	0
February	11.8	NW.	34	NE.	0	6	9	4	2	5	3	14	15	0	6	7	16	7	0	16	5	0	0	15	0	27	0	0
March	16.7	S.	49	S.	7	3	3	3	6	13	15	12	7	0	14	6	11	12	11	4	4	0	4	3	0	16	3	1
April	14.9	NE.	48	SW.	3	10	14	4	4	6	4	13	5	0	6	10	14	16	13	6	2	0	1	0	0	9	3	0
May	11.3	NE.	31	S.	0	19	14	10	0	8	5	5	1	0	13	13	5	6	5	0	0	0	0	0	0	0	0	0
June	11.1	N.	38	W.	0	16	8	5	2	4	12	8	5	0	16	7	7	10	8	0	0	1	0	0	7	0	9	0
July	9.6	W.	44	W.	1	10	7	10	7	5	7	9	7	0	16	11	4	6	5	0	0	1	0	0	2	0	6	0
August	8.5	NE.	31	SW.	0	14	12	9	6	6	6	5	4	0	14	9	8	9	7	0	0	0	1	0	0	0	10	0
September	11.6	NW.	35	S.	0	7	5	5	6	9	10	10	8	0	14	12	4	7	6	0	0	0	0	0	0	0	4	0
October	11.0	SW.	40	S.	1	4	1	6	0	14	20	7	16	0	19	5	7	8	7	1	1	0	0	0	0	1	1	0
November	11.7	NW.	31	W.	0	2	1	2	5	9	13	11	16	1	6	7	17	9	7	7	2	0	0	2	0	10	0	0
December	14.2	W.	48	W.	2	1	3	2	8	7	9	21	11	0	6	9	16	13	9	14	7	0	0	9	0	18	0	0
Year	12.2	W.	49	S.	14	96	86	64	50	93	113	124	105	1	138	105	123	113	86	65	31	2	6	52	9	112	36	1

CHICAGO UNIVERSITY, ILL.

[H_b=673 ft.; h_t=7 ft.; h_r=3 ft.; h_a=131 ft.]

Month.	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.
January	13.6	NW.	34	NW.	0	4	7	5	6	7	9	9	15	0	8	11	12	11	5	18	10	0	0	26	0	31	0	0
February	12.2	NW.	37	SW.	0	4	10	4	3	4	8	11	14	0	5	7	17	9	1	16	8	0	0	17	0	28	0	0
March	15.9	S.	54	SE.	3	2	2	3	11	14	14	8	8	0	15	5	11	13	11	5	4	0	3	4	0	18	4	2
April	15.4	NE.	50	SW.	5	3	17	7	2	7	9	11	4	0	9	7	14	15	13	6	2	0	0	1	0	11	4	0
May	10.8	NE.	35	N.	0	4	27	10	2	9	6	2	2	0	11	15	5	7	5	0	0	0	0	0	0	0	0	0
June	10.4	NE.	39	N.	0	7	14	8	6	4	14	6	1	0	15	7	8	9	6	0	0	0	0	0	6	0	6	0
July	9.8	NE.	38	SW.	0	6	12	6	12	6	8	9	2	1	14	13	4	7	6	0	0	0	0	0	2	0	7	0
August	8.6	NE.	30	NW.	0	7	17	9	9	11	3	3	3	0	13	12	6	10	8	0	0	0	1	0	0	0	9	0
September	10.7	S.	34	SE.	0	1	9	4	9	14	9	3	11	0	14	12	4	8	6	0	0	1	0	0	1	0	4	0
October	10.2	SW.	31	NW.	0	3	4	7	2	19	14	5	8	0	17	6	8	8	7	1	1	0	0	0	0	1	1	0
November	11.0	SW.	32	NW.	0	2	0	2	9	6	18	8	15	0	6	7	17	11	7	7	3	0	1	3	0	12	0	0
December	13.6	W.	40	SW.	1	2	3	1	12	8	6	19	11	0	5	13	13	12	10	12	6	0	1	11	0	22	0	0
Year	11.8	SW.	54	SE.	9	45	122	66	83	109	118	94	94	1	132	115	119	120	85	65	34	1	6	62	9	123	35	2

Annual meteorological summary for the year ending December 31, 1920—Continued.

CINCINNATI, OHIO.

[ϕ=39° 06′ N.; λ=84° 30′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.551	30.000	28.810	22.3	28.3	27.2	32.7	18.2	25.4	59	−1	20	22	22	88	76	79	0.110	0.126	0.124	3.48	1.85	7.5	6.7	5.9	6.8
February	29.389	29.820	28.960	26.7	32.9	31.9	37.0	24.1	30.6	61	0	24	25	26	87	71	77	132	.140	.146	1.30	.59	7.0	6.8	7.2	7.0
March	29.329	29.790	28.730	38.2	48.9	46.8	53.9	34.2	44.0	72	11	28	30	36	69	50	62	.171	.179	.222	4.20	1.28	4.6	5.0	4.5	4.7
April	29.162	29.561	28.500	44.8	51.8	49.6	56.7	39.4	48.0	81	22	36	38	41	73	61	68	.230	.243	.272	5.78	2.51	6.5	7.4	6.3	6.8
May	29.385	29.727	29.060	56.5	67.3	63.9	70.7	50.9	60.8	85	36	46	46	48	70	49	54	.334	.331	.357	4.36	2.51	5.9	5.2	6.0	5.3
June	29.345	29.651	28.900	67.4	76.4	72.7	80.2	60.6	70.4	91	49	59	59	60	75	57	60	.505	.505	.523	2.68	.68	4.6	5.1	5.6	4.9
July	29.351	29.550	29.040	68.6	79.6	74.5	83.2	62.4	72.8	94	52	61	60	62	77	54	58	.543	.542	.561	3.19	1.35	3.7	4.6	5.5	4.2
August	29.372	29.570	29.174	66.7	77.1	72.3	80.3	62.2	71.2	91	50	63	63	65	88	63	71	.587	.588	.631	6.10	2.76	5.5	6.5	5.0	5.9
September	29.361	29.570	29.130	62.2	74.6	68.9	77.4	58.3	67.8	88	43	58	59	60	86	60	68	.488	.518	.545	2.98	1.09	4.1	4.7	3.5	4.5
October	29.476	29.800	28.940	51.5	70.0	62.7	72.5	48.0	60.2	84	31	47	46	52	84	45	63	.334	.328	.407	1.76	1.41	3.7	3.4	2.7	3.4
November	29.475	29.920	28.900	37.8	45.7	43.3	49.3	35.3	42.3	65	16	32	33	37	81	62	72	.193	.200	.233	2.92	1.44	6.9	6.5	7.0	6.7
December	29.331	29.750	28.630	32.4	38.1	36.7	41.7	29.1	35.4	60	4	27	28	34	81	67	81	.156	.162	.201	1.38	.42	8.0	6.8	6.8	7.3
Year	29.377	30.000	28.500	47.9	57.6	54.2	61.3	43.6	52.4	94	−1	42	42	45	80	60	68	.315	.322	.352	40.13	2.76	5.7	5.7	5.5	5.6

CLEVELAND, OHIO.

[ϕ=41° 30′ N.; λ=81° 42′ W.]

January	29.375	29.950	28.605	16.9	19.3	20.1	25.6	12.3	19.0	43	Zero	11	12	14	75	71	75	0.075	0.091	0.085	1.96	0.85	8.0	7.1	7.3	6.9
February	29.206	29.710	28.710	21.3	24.9	25.2	30.9	18.1	24.5	52	3	16	19	19	79	75	75	.094	.106	.106	1.12	.32	8.1	6.9	6.9	7.8
March	29.138	29.577	28.490	35.2	41.9	42.2	49.2	30.9	40.0	74	9	27	29	31	71	63	66	.158	.175	.182	1.49	.35	6.2	6.0	5.8	5.9
April	28.993	29.480	28.420	40.5	42.8	43.8	49.0	36.1	42.6	77	23	32	35	35	74	75	72	.195	.213	.213	5.01	1.50	8.2	8.3	8.0	8.0
May	29.265	29.699	29.010	52.2	56.8	58.1	62.5	48.8	55.6	81	38	42	44	43	71	64	60	.284	.298	.295	1.12	.36	5.3	5.6	5.6	4.9
June	29.185	29.550	28.696	64.6	68.4	69.6	74.1	60.6	67.4	88	51	56	58	56	76	70	65	.470	.487	.469	5.28	2.88	6.0	7.1	5.4	6.1
July	29.188	29.440	28.830	66.4	71.9	71.7	76.3	62.2	69.2	91	52	58	58	58	74	64	64	.488	.498	.496	3.32	1.10	5.4	5.7	5.7	5.5
August	29.240	29.450	28.990	66.3	72.3	71.2	75.5	63.4	69.4	87	51	60	62	61	81	71	71	.534	.564	.543	2.33	1.53	6.5	6.9	6.1	6.4
September	29.213	29.464	28.880	61.6	69.5	68.3	72.9	58.7	65.8	86	47	54	55	55	76	63	64	.431	.460	.454	1.85	1.30	3.9	4.0	3.0	4.0
October	29.292	29.570	28.680	54.5	64.1	61.3	67.1	51.9	59.5	81	37	47	49	47	76	60	61	.330	.360	.339	2.57	1.27	5.4	4.5	3.2	4.8
November	29.283	29.710	28.710	38.7	43.2	41.8	46.1	36.4	41.2	65	20	33	33	32	79	69	70	.194	.201	.189	2.25	.66	8.4	7.2	6.7	7.4
December	29.112	29.610	28.360	31.8	34.7	34.2	39.0	28.2	33.6	60	9	27	27	28	81	73	77	.151	.155	.160	1.64	.32	8.9	8.3	7.6	8.5
Year	29.208	29.950	28.360	45.8	50.8	50.6	55.7	42.3	49.0	91	Zero	39	40	40	76	68	68	.284	.301	.294	29.94	2.88	6.7	6.5	5.9	6.4

COLUMBIA, MO.

[ϕ=38° 57′ N.; λ=92° 20′ W.]

January	29.380	29.860	28.680	22.4	29.4	....	35.3	18.5	26.9	55	5	19	22	....	86	73	....	0.108	0.121	....	0.71	0.39	4.2	4.4	....	4.5
February	29.265	29.640	28.890	27.7	35.5	....	40.9	25.4	33.2	63	2	24	26	....	84	68	....	.137	.149	....	.41	.21	5.1	5.7	....	5.8
March	29.671	29.690	28.100	37.3	49.3	....	56.1	35.0	45.6	79	−1	28	31	....	73	54	....	.172	.195	....	5.03	1.99	4.5	5.2	....	4.9
April	28.943	29.359	28.380	42.4	52.7	....	58.5	39.1	48.8	82	14	36	37	....	80	58	....	.225	.234	....	3.98	.84	6.8	6.9	....	6.3
May	29.164	29.550	28.850	57.1	68.2	....	71.6	54.3	63.0	86	37	52	54	....	83	63	....	.404	.444	....	4.48	.89	6.2	6.8	....	6.3
June	29.174	29.390	28.810	66.5	80.0	....	83.4	62.1	72.8	94	53	59	58	....	76	49	....	.506	.504	....	1.49	.36	3.5	5.0	....	4.1
July	29.188	29.373	28.840	68.5	83.3	....	87.0	64.6	75.8	98	57	63	62	....	82	50	....	.578	.568	....	2.61	1.50	4.0	4.8	....	3.9
August	29.185	29.420	28.860	65.5	78.9	....	82.9	63.1	73.0	92	48	61	61	....	88	57	....	.554	.552	....	3.50	1.48	5.5	5.1	....	5.0
September	29.170	29.440	28.880	62.0	76.5	....	79.4	59.8	69.6	89	38	59	60	....	90	58	....	.516	.540	....	4.47	1.44	4.4	4.0	....	3.7
October	29.237	29.600	28.870	53.3	67.8	....	71.4	51.7	61.6	83	25	48	51	....	83	58	....	.353	.397	....	2.67	1.13	4.5	4.2	....	4.0
November	29.302	29.890	28.840	35.4	44.6	....	49.7	31.9	40.8	72	11	31	33	....	83	65	....	.188	.202	....	.63	.22	5.1	6.0	....	5.3
December	29.130	29.590	28.370	31.5	38.7	....	43.9	27.9	35.9	68	−1	26	29	....	80	68	....	.156	.176	....	1.33	.43	5.6	5.7	....	6.0
Year	29.184	29.890	28.100	47.5	58.7	....	63.3	44.4	53.9	98	−1	42	44	....	82	60	....	.325	.340	....	31.31	1.99	5.0	5.3	....	5.0

COLUMBIA, S. C.

[ϕ=34° 00′ N.; λ=81° 03′ W.]

January	29.851	30.200	29.300	40.1	50.3	48.2	54.7	36.9	45.8	75	13	35	35	36	81	59	63	0.229	0.240	0.235	3.18	1.14	6.5	5.8	4.1	5.7
February	29.656	30.260	29.110	37.5	47.5	46.9	52.5	35.5	44.0	69	20	31	33	32	78	60	57	.195	.210	.199	2.82	1.32	5.4	6.0	4.7	5.6
March	29.723	30.173	29.140	46.3	58.8	56.2	63.2	43.1	53.2	82	22	39	40	41	76	54	60	.267	.286	.290	5.72	2.08	4.9	4.4	4.5	4.5
April	29.520	29.850	29.050	56.1	66.2	64.5	72.0	51.8	61.9	87	32	47	50	49	74	60	62	.350	.397	.391	3.41	1.26	6.2	5.6	5.4	5.7
May	29.661	30.050	29.410	63.5	74.6	71.9	78.5	58.0	68.2	88	48	53	52	53	71	47	53	.418	.402	.409	1.24	.89	4.5	5.3	5.1	4.9
June	29.650	29.980	29.320	73.1	85.1	80.9	89.1	68.2	78.6	100	58	64	62	61	74	47	54	.598	.557	.544	2.16	1.25	2.8	3.8	4.6	3.8
July	29.681	29.898	29.400	73.5	85.2	79.6	89.4	70.5	80.0	96	60	68	67	66	83	57	66	.688	.680	.659	3.36	.98	5.6	5.4	6.1	5.7
August	29.693	29.850	29.420	72.7	82.5	77.3	86.7	70.4	78.6	95	63	69	68	69	90	63	77	.721	.699	.716	7.68	1.48	7.0	7.8	7.5	7.4
September	29.643	29.830	29.110	70.6	81.8	76.2	85.0	67.1	76.0	93	50	66	65	65	86	58	69	.640	.624	.627	4.17	2.32	4.4	5.3	4.6	5.0
October	29.792	30.090	29.480	55.6	73.6	67.7	76.5	53.0	64.8	86	36	52	51	51	89	47	56	.405	.399	.388	.58	.42	2.4	3.2	2.5	2.8
November	29.766	30.130	29.300	44.8	58.7	55.1	61.9	43.0	52.4	79	29	39	39	39	80	52	57	.250	.260	.249	3.26	1.92	4.4	4.4	3.5	4.2
December	29.697	30.020	29.340	40.3	50.6	48.8	54.9	38.0	46.4	69	28	36	36	35	84	59	60	.215	.218	.215	2.26	1.08	5.9	5.8	4.8	5.5
Year	29.694	30.260	29.050	56.2	67.9	64.4	72.0	53.0	62.5	100	13	50	50	50	80	55	61	.415	.414	.410	39.84	2.32	5.0	5.2	4.8	5.1

Annual meteorological summary for the year ending December 31, 1920—Continued.

CINCINNATI, OHIO.

[H_b=628 ft.; h_t=11 ft.; h_r=3 ft.; h_a=51 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	8.9	NE.	29	NW.	0	5	18	0	3	7	9	10	10	0	6	7	18	12	9	11	3	0	0	14	0	30	0	0
February	8.8	W.	29	SW.	0	7	11	2	3	4	11	8	11	1	7	4	18	12	7	12	7	0	2	8	0	26	0	0
March	12.1	SW.	44	SW.	1	4	1	1	14	9	19	8	5	1	14	7	10	10	9	5	2	0	1	3	0	16	3	1
April	11.1	SW.	44	SW.	2	3	6	8	6	7	14	13	3	0	5	8	17	20	11	4	2	3	1	0	0	11	9	0
May	7.4	NE.	36	SW.	0	12	21	5	2	8	8	2	3	1	11	9	11	8	8	0	0	0	0	0	0	0	5	0
June	6.4	SW.	30	N.	0	6	14	4	3	5	21	6	0	1	13	7	10	10	10	0	0	0	0	0	4	0	10	0
July	6.0	SW.	27	S.	0	3	13	3	9	5	13	9	7	0	15	10	6	11	8	0	0	0	1	0	3	0	10	0
August	5.3	NE.	25	SE.	0	13	12	2	9	8	15	1	2	0	9	10	12	13	9	0	0	1	2	0	1	0	12	0
September	5.1	SW.	27	W.	0	7	12	2	8	9	14	5	2	1	13	7	10	9	8	0	0	0	4	0	0	0	7	0
October	5.6	SW.	30	SW.	0	2	6	7	8	13	13	10	1	2	17	8	6	3	3	0	0	0	2	0	0	3	0	0
November	7.5	SW.	24	W.	0	6	6	3	3	10	13	11	8	0	7	6	17	10	8	4	3	0	0	1	0	9	1	0
December	11.0	SW.	45	SW.	2	0	6	3	9	6	21	15	2	0	8	3	20	10	8	7	2	0	0	6	0	18	0	0
Year	7.9	SW.	45	SW.	5	68	126	40	77	91	171	98	54	7	125	86	155	128	98	43	19	4	13	32	8	113	57	1

CLEVELAND, OHIO.

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

Month.	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.
January	15.2	NE.	48	NW.	5	5	16	1	5	5	13	8	9	0	5	11	15	16	10	20	15	0	0	20	0	31	0	0
February	14.5	W.	38	W.	0	4	12	1	4	6	6	13	12	0	4	4	21	15	11	19	15	0	2	16	0	28	0	0
March	18.1	SW.	48	S.	7	6	1	0	4	19	14	7	11	0	8	12	11	15	11	9	6	0	1	5	0	15	2	2
April	15.8	NE.	48	W.	5	5	12	1	4	9	13	8	8	0	2	10	18	19	16	9	6	0	0	0	0	10	4	0
May	10.8	NE.	35	NE.	0	8	24	4	2	10	6	2	6	0	13	9	9	7	5	0	0	0	0	0	0	0	1	0
June	9.9	SW.	53	W.	3	10	8	3	5	4	12	8	10	0	6	15	9	12	10	0	0	1	0	0	0	0	9	0
July	11.1	SW.	44	N.	1	7	13	2	6	7	17	3	7	0	10	10	11	8	6	0	0	0	0	0	1	0	6	0
August	10.3	NE.	62	NW.	1	6	12	1	15	10	8	4	5	1	5	13	13	8	5	0	0	0	1	0	0	0	5	0
September	11.6	S.	46	NE.	1	6	6	4	15	11	8	3	7	0	18	5	7	5	5	0	0	0	0	0	0	0	6	0
October	12.0	S.	48	SW.	1	5	2	1	12	17	14	5	6	0	12	12	7	7	7	1	0	0	0	0	0	0	0	0
November	12.9	SW.	44	NW	2	2	3	3	4	14	18	9	7	0	4	8	18	12	11	9	5	0	0	2	0	8	0	0
December	16.6	W.	48	W.	3	1	1	2	9	13	21	11	4	0	1	6	24	14	13	13	7	0	0	7	0	18	0	0
Year	13.2	S.	62	NW.	29	65	110	23	85	125	150	81	92	1	88	115	163	138	110	80	54	1	4	50	1	110	33	2

COLUMBIA, MO.

[H_b=784 ft.; h_t=11 ft.; h_r=3 ft.; h_a=84 ft.]

Month.	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.
January	8.3	N.	24	SW.	0	6	5	1	6	4	3	4	2	0	15	5	11	7	7	6	5	0	2	14	0	31	0	0
February	9.1	NW.	28	W.	0	1	5	2	4	2	5	0	10	0	9	6	14	5	3	6	1	0	4	5	0	21	0	0
March	13.0	SE.	64	S.	2	3	0	1	9	7	6	2	3	0	13	8	10	10	8	3	3	0	0	3	0	10	5	0
April	11.5	W.	40	SW.	1	5	3	6	6	1	4	4	1	0	9	7	14	13	11	3	2	1	0	0	0	6	4	0
May	7.6	E.	37	NW.	0	2	7	11	7	1	0	2	1	0	7	8	16	17	12	0	0	2	2	0	0	0	10	0
June	7.1	S.	26	SW.	0	2	4	2	6	9	3	2	2	0	14	10	6	7	3	0	0	1	0	0	11	0	6	0
July	6.0	SW.	33	S.	0	1	6	5	1	6	6	3	3	0	16	10	5	9	6	0	0	0	0	0	11	0	8	0
August	5.1	SE.	26	N.	0	2	4	7	9	4	1	1	3	0	12	10	9	7	7	0	0	0	0	0	4	0	8	0
September	6.6	SE.	28	W.	0	2	3	3	6	9	1	2	4	0	16	7	7	8	7	0	0	0	0	0	0	0	8	0
October	7.2	S.	28	SW.	0	1	4	1	13	7	0	3	2	0	18	3	10	13	9	0	0	0	0	0	0	2	0	0
November	7.9	S.	27	SW.	0	2	1	1	7	5	5	5	4	0	12	6	12	7	4	2	1	0	0	3	0	15	0	0
December	10.4	W.	36	NW.	0	2	1	3	8	4	4	6	3	0	10	7	14	9	5	6	3	1	1	6	0	18	2	0
Year	8.3	SE.	64	S.	3	29	43	43	82	59	38	34	38	0	151	87	128	112	82	26	15	5	9	31	26	103	51	0

COLUMBIA, S. C.

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

Month.	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.
January	8.1	N.	34	SW.	0	18	13	0	0	10	5	13	3	0	8	12	11	9	6	0	0	0	1	1	0	9	1	0
February	7.9	NW.	28	NE.	0	10	8	5	1	9	3	10	12	0	9	7	13	10	9	1	0	0	3	0	0	9	0	0
March	8.1	S.	37	SW.	0	7	10	3	6	13	6	9	8	0	14	10	7	11	11	0	0	0	0	0	0	6	5	1
April	8.8	SW.	32	W.	0	3	10	7	0	10	15	10	5	0	11	5	14	10	8	0	0	0	0	0	0	1	5	0
May	6.6	NE.	20	NE.	0	4	24	10	9	6	4	2	3	0	10	13	8	4	3	0	0	0	0	0	0	0	1	0
June	6.3	S.	24	SW.	0	8	11	7	2	14	10	5	3	0	16	9	5	7	6	0	0	0	0	0	0	11	0	7
July	6.8	SW.	30	SW.	0	1	10	7	2	14	20	6	2	0	8	10	13	9	9	0	0	0	0	0	0	15	0	11
August	5.3	S.	27	SW.	0	5	9	10	3	19	6	9	1	0	2	11	18	17	12	0	0	0	0	0	0	6	0	13
September	5.4	NE.	26	W.	0	11	12	6	7	8	4	6	6	0	8	15	7	8	7	0	0	0	0	0	0	5	0	7
October	5.1	N.	27	SW.	0	16	14	6	2	5	2	6	10	1	21	6	4	2	2	0	0	0	0	0	0	0	1	0
November	6.4	NE.	24	SW.	0	11	15	4	0	6	7	11	6	0	16	6	8	7	5	0	0	0	0	0	0	3	0	0
December	7.1	W.	30	W.	0	7	9	8	5	4	10	13	6	0	11	5	15	9	8	0	0	0	1	0	0	5	1	0
Year	6.8	NE.	37	SW.	0	101	145	73	37	118	92	100	65	1	134	109	123	103	86	1	0	0	5	1	37	33	52	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

COLUMBUS, OHIO.

[ϕ=39° 58′ N.; λ=83° 00′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.328	29.800	28.580	18.5	24.9	24.2	29.7	14.7	22.2	49	−1	15	20	19	84	78	79	0.086	0.111	0.111	2.64	1.47	8.0	6.6	5.5	6.8
February	29.165	29.620	28.730	25.3	29.9	30.5	34.9	22.6	28.8	55	0	20	24	25	79	77	77	.114	.132	.138	1.12	.28	7.3	7.4	7.5	7.5
March	29.118	29.530	28.500	35.8	46.5	45.9	53.0	32.5	42.8	74	10	29	36	35	74	67	67	.176	.234	.222	3.32	.91	5.5	5.8	4.6	5.6
April	28.956	29.388	28.340	42.4	48.2	48.3	54.4	37.6	46.0	81	21	37	40	40	80	75	73	.235	.267	.260	4.51	1.85	7.3	7.8	7.7	7.9
May	29.198	29.590	28.900	54.9	64.9	63.9	69.1	49.7	59.4	84	34	44	45	45	68	52	53	.309	.323	.323	2.00	1.41	5.2	5.9	5.3	5.4
June	29.147	29.480	28.670	65.9	74.6	72.6	78.3	60.2	69.2	91	47	58	57	58	76	56	61	.489	.477	.489	3.79	1.06	5.4	6.1	6.7	5.6
July	29.162	29.380	28.860	66.4	76.3	73.9	80.4	61.5	71.0	92	54	61	59	62	83	57	67	.545	.515	.559	5.18	1.63	4.7	4.5	4.9	4.2
August	29.197	29.390	28.980	65.8	74.5	72.3	78.3	62.2	70.2	86	53	62	63	63	87	68	74	.562	.586	.589	4.09	1.09	6.2	7.4	6.4	6.2
September	29.179	29.490	28.910	61.2	72.7	69.6	76.4	58.0	67.2	87	41	57	59	60	85	63	72	.471	.516	.535	2.29	1.22	3.7	4.4	3.2	3.9
October	29.284	29.560	28.740	51.9	67.0	63.3	70.4	49.3	59.8	82	31	48	51	50	85	58	62	.342	.386	.372	1.61	.81	3.4	3.6	2.2	3.3
November	29.262	29.670	28.650	37.5	44.0	42.3	47.0	34.2	40.6	61	17	35	36	35	89	74	75	.211	.217	.214	3.45	1.61	6.7	6.9	6.2	7.0
December	29.106	29.530	28.420	31.4	35.4	35.3	40.1	27.9	34.0	61	2	26	27	28	80	71	73	.150	.157	.163	1.60	.51	8.4	7.9	7.0	8.3
Year	29.175	29.800	28.340	46.4	54.9	53.5	59.3	42.5	50.9	92	−1	41	43	43	81	66	69	308	.327	.331	35.60	1.85	6.0	6.2	5.6	6.0

CONCORD, N. H.

[ϕ=43° 12′ N.; λ=71° 32′ W.]

January	29.797	30.650	29.000	10.2	18.9	....	23.5	4.0	13.8	44	−18	3	11	....	71	70	....	0.057	0.079	....	1.46	0.40	5.8	6.6	....	5.3
February	29.650	30.715	28.680	16.3	24.7	....	29.7	12.0	20.8	42	−23	9	18	....	72	74	....	.077	.104	....	3.23	.86	6.4	7.2	....	5.9
March	29.630	30.271	28.580	28.2	39.2	....	44.4	23.3	33.8	69	−5	22	31	....	75	73	....	.126	.192	....	2.43	1.17	4.8	6.0	....	4.9
April	29.501	29.880	28.840	39.5	45.9	....	49.6	33.1	41.4	72	21	32	35	....	74	68	....	.182	.208	....	5.91	1.61	6.6	6.8	....	6.4
May	29.751	30.127	29.380	51.9	61.6	....	65.3	42.9	54.1	88	31	43	50	....	72	67	....	.283	.367	....	2.50	1.36	5.1	6.3	....	6.0
June	29.643	30.006	29.220	61.7	70.8	....	74.7	55.0	64.8	92	43	54	58	....	76	65	....	.424	.491	....	3.68	.89	5.5	6.6	....	6.4
July	29.638	29.950	29.212	66.5	75.9	....	79.5	58.4	69.0	90	45	60	62	....	80	64	....	.518	.577	....	3.24	1.52	4.5	6.4	....	5.8
August	29.762	30.112	29.250	65.7	77.4	....	81.5	61.2	71.4	91	48	62	67	....	88	72	....	.563	.680	....	4.77	1.05	6.3	6.1	....	6.6
September	29.686	30.067	29.090	57.4	68.4	....	72.1	52.3	62.2	88	38	53	60	....	87	76	....	.418	.537	....	7.91	4.11	5.8	5.8	....	5.3
October	29.734	30.120	29.090	50.0	62.9	....	67.3	42.6	55.0	81	32	46	50	....	88	64	....	.326	.376	....	.98	.53	4.7	5.5	....	5.0
November	29.789	30.300	28.940	31.8	39.0	....	43.2	26.2	34.7	60	11	28	30	....	84	70	....	.155	.165	....	2.62	.98	6.8	7.2	....	7.1
December	29.604	30.240	28.900	26.9	32.6	....	35.7	22.6	29.2	52	0	22	24	....	82	71	....	.123	.136	....	5.80	2.00	7.1	7.5	....	7.3
Year	29.682	30.715	28.580	42.2	51.4	....	55.5	36.1	45.8	92	−23	36	41	....	79	70	....	.271	.326	....	44.53	4.11	5.8	6.5	....	6.0

CONCORDIA, KANS.

[ϕ=39° 35′ N.; λ=97° 41′ W.]

January	28.725	29.250	28.130	24.8	32.0	31.9	38.5	21.9	30.2	66	8	22	26	26	87	77	77	0.116	0.137	0.139	0.12	0.05	3.7	5.6	3.9	6.0
February	28.644	29.050	28.130	27.9	36.4	36.7	42.5	25.3	33.9	61	9	24	27	27	85	68	69	.131	.147	.151	.73	.44	4.3	5.5	4.2	5.9
March	28.376	29.070	27.560	34.6	51.0	50.7	58.3	31.2	44.8	79	−1	26	26	25	71	44	42	.148	.153	.142	.47	.28	4.6	4.5	4.5	4.7
April	28.339	28.700	27.780	38.3	49.1	50.0	55.5	35.7	45.6	77	16	34	35	37	84	61	64	.201	.213	.234	2.82	.99	6.1	6.9	5.6	6.8
May	28.501	28.930	28.090	55.5	65.7	66.5	70.8	52.1	61.4	87	40	51	53	54	84	65	65	.381	.420	.429	3.50	2.00	7.6	7.7	6.8	7.2
June	28.501	28.750	28.210	65.9	79.5	78.8	83.5	63.1	73.3	95	45	58	56	56	76	46	48	.496	.467	.474	.84	.33	5.9	5.0	4.6	5.3
July	28.552	28.800	28.280	69.0	84.2	85.9	89.3	65.4	77.4	104	56	62	59	58	78	44	41	.551	.502	.498	4.90	1.74	5.0	4.1	2.1	4.1
August	28.559	28.800	28.180	63.4	78.8	79.3	83.3	61.5	72.4	94	51	58	57	57	83	50	49	.486	.483	.479	5.15	1.74	4.1	4.1	3.7	4.3
September	28.516	28.980	27.940	59.5	77.6	74.3	82.0	57.4	69.7	95	31	54	52	54	83	44	51	.433	.429	.439	.36	.17	3.3	3.5	3.7	3.7
October	28.526	28.970	28.100	50.8	68.4	64.6	72.8	48.7	60.8	92	28	44	44	45	78	44	51	.308	.308	.317	1.61	.72	3.9	3.7	3.1	3.9
November	28.678	29.280	28.150	33.8	41.4	39.3	46.3	30.2	38.2	70	14	30	34	32	86	77	78	.176	.202	.190	1.47	.69	5.6	7.0	4.6	6.9
December	28.478	28.990	27.790	26.7	35.7	33.2	40.7	23.5	32.1	55	−2	24	25	25	87	69	73	.134	.143	.142	.58	.29	5.6	6.6	3.6	6.5
Year	28.533	29.280	27.560	45.8	58.3	57.6	63.6	43.0	53.3	104	−2	41	41	41	82	57	59	.297	.300	.303	22.55	2.00	5.0	5.4	4.2	5.4

CORPUS CHRISTI, TEX.

[ϕ=27° 49′ N.; λ=97° 25′ W.]

January	30.160	30.500	29.650	48.2	55.3	53.8	60.0	45.3	52.6	74	33	45	48	48	89	78	81	0.320	0.361	0.347	2.74	1.12	6.7	7.3	6.9	7.4
February	30.080	30.450	29.650	56.3	63.9	61.6	67.3	54.1	60.7	87	40	53	54	55	89	72	80	.421	.439	.451	.20	.10	6.6	7.6	6.6	7.1
March	29.970	30.490	29.350	57.5	66.5	63.6	69.3	55.9	62.6	81	36	50	52	54	78	64	73	.403	.430	.447	.18	.13	6.0	5.8	6.3	5.9
April	29.788	30.220	29.317	65.8	74.0	72.1	77.1	64.4	70.8	95	49	58	59	61	79	63	72	.530	.543	.570	.11	.07	6.9	5.7	5.3	5.9
May	29.876	30.090	29.690	74.7	80.3	77.9	82.1	73.0	77.6	89	64	70	70	71	86	71	80	.742	.735	.762	4.06	2.14	6.6	5.2	6.4	5.7
June	29.941	30.080	29.736	78.0	83.8	82.1	86.1	74.8	80.4	92	68	72	72	72	83	67	72	.793	.772	.791	2.48	.96	4.4	4.3	4.9	4.1
July	29.992	30.150	29.760	78.8	86.4	83.7	88.3	77.2	82.8	91	75	75	74	75	88	67	75	.862	.842	.858	.19	.15	3.0	4.5	3.5	3.6
August	29.952	30.110	29.760	79.3	85.8	83.4	88.1	77.6	82.8	94	72	75	74	75	87	68	77	.873	.843	.875	1.44	.65	4.7	6.3	6.5	5.7
September	29.935	30.260	29.710	76.5	85.7	82.5	88.2	75.7	82.0	93	60	72	71	72	86	62	73	.798	.773	.814	T.	T.	2.6	4.1	2.1	3.1
October	30.001	30.310	29.710	69.8	77.5	75.1	79.4	68.0	73.7	87	56	64	65	66	82	66	74	.616	.636	.658	7.31	2.15	5.3	5.3	4.7	5.3
November	30.143	30.510	29.800	57.7	64.9	62.2	67.8	55.5	61.6	83	33	53	53	55	84	68	77	.440	.449	.446	1.84	.75	6.0	6.3	4.8	5.8
December	30.033	30.570	29.550	55.0	64.6	61.3	67.8	52.0	59.9	82	32	48	48	50	79	58	70	.371	.377	.403	.24	.17	5.1	6.6	3.8	5.8
Year	29.989	30.570	29.317	66.5	74.1	71.6	76.8	64.5	70.6	95	32	61	62	63	84	67	75	.597	.600	.618	20.79	2.15	5.3	5.8	5.2	5.4

Annual meteorological summary for the year ending December 31, 1920—Continued.

COLUMBUS, OHIO.

[H_b=824 ft.; h_t=179 ft.; h_r=171 ft.; h_a=222 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles		*Mi.*																									
January	12.8	W.	42	NW.	2	8	9	8	3	9	3	18	4	0	5	11	15	14	8	16	9	0	3	18	0	31	0	0
February	12.9	W.	39	W.	0	8	4	5	2	9	4	18	8	0	3	11	15	9	7	16	7	0	0	9	0	27	0	0
March	16.2	SW.	58	W.	6	2	0	3	13	15	9	14	6	0	11	9	11	13	8	5	4	1	1	4	0	15	4	1
April	14.4	W.	65	W.	10	3	2	13	3	7	11	12	9	0	0	11	19	20	15	5	4	0	0	0	0	10	5	0
May	10.8	E.	34	N.	0	11	8	15	3	9	5	1	8	2	10	12	9	8	7	0	0	0	0	0	0	0	2	0
June	9.5	E.	52	NW.	2	6	1	15	4	9	9	12	4	0	8	12	10	13	10	0	0	1	0	0	2	0	12	0
July	8.8	SW.	49	NW.	1	2	7	10	3	10	15	9	6	0	16	6	9	12	11	0	0	1	1	0	1	0	11	0
August	7.8	N.	28	SW.	0	9	10	4	10	8	13	1	7	0	6	12	13	12	10	0	0	0	1	0	0	0	10	0
September	8.6	SE.	30	NW.	0	7	5	3	16	11	12	1	5	0	17	5	8	9	6	0	0	0	3	0	0	0	4	0
October	9.4	SW.	38	W.	0	2	2	5	9	13	15	9	7	0	18	5	8	4	4	0	0	0	0	0	0	1	1	0
November	10.5	SW.	34	NW.	0	3	6	5	7	9	9	11	10	0	8	4	18	11	9	5	3	1	1	2	0	9	1	0
December	13.6	W.	62	W.	5	3	3	2	11	7	9	20	7	0	3	4	24	14	10	8	5	0	1	6	0	20	1	0
Year	11.3	SW.	65	W.	26	64	57	88	84	116	114	126	81	2	105	102	159	139	105	55	32	4	11	39	3	113	51	1

CONCORD, N. H.

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

Month.	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.
January	4.9	NW.	18	NW.	0	8	2	1	1	0	5	6	8	0	12	9	10	10	9	16	10	0	0	25	0	31	0	0
February	5.6	NW.	23	NW.	0	6	3	0	2	1	1	3	13	0	8	9	12	13	11	15	13	0	0	16	0	29	0	0
March	6.6	NW.	40	NW.	1	3	5	2	4	2	1	6	8	0	14	6	11	11	8	8	4	0	1	5	0	24	1	1
April	5.7	NW.	30	NW.	0	5	4	4	3	1	1	8	4	0	5	14	11	12	12	2	2	0	0	0	0	12	1	0
May	4.1	SE.	15	W.	0	11	9	2	1	3	1	2	2	0	10	8	13	6	6	0	0	0	0	0	0	2	0	0
June	4.2	NW.	26	SW.	0	7	4	4	4	0	2	4	5	0	8	8	14	13	9	0	0	0	0	0	2	0	6	0
July	4.9	NW.	24	W.	0	3	1	2	4	5	3	5	8	0	7	15	9	9	6	0	0	0	0	0	1	0	6	0
August	3.2	SE.	31	W.	0	7	2	1	5	4	1	4	7	0	4	16	11	11	9	0	0	0	0	0	2	0	13	0
September	4.4	NW.	25	W.	0	10	2	0	5	1	3	2	7	0	15	5	10	10	8	0	0	0	0	0	0	0	3	0
October	4.3	NW.	24	NW.	0	4	5	3	2	6	4	1	6	0	14	6	11	5	4	0	0	0	2	0	0	1	0	0
November	5.3	NW.	30	NE.	0	3	6	3	2	1	4	5	5	1	6	6	18	11	9	8	6	0	2	1	0	26	0	0
December	5.4	NW.	33	NW.	0	6	1	1	0	0	3	8	11	1	6	6	19	6	6	12	1	0	0	6	0	30	0	0
Year	4.9	NW.	40	NW.	1	73	44	23	33	24	29	54	84	2	109	108	149	117	97	61	36	0	5	53	5	155	30	1

CONCORDIA, KANS.

[H_b=1,392 ft.; h_t=50 ft.; h_r=42 ft.; h_a=58 ft.]

Month.	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.
January	7.9	N.	32	NE.	0	18	4	7	6	11	6	5	5	0	10	8	13	4	1	7	4	0	1	10	0	31	0	0
February	8.2	NW.	29	NW.	0	15	4	1	5	6	5	10	12	0	7	10	12	5	4	2	1	0	3	6	0	24	0	0
March	13.0	S.	46	NW.	5	7	3	5	7	12	5	12	10	1	13	13	5	5	2	4	2	1	0	4	0	15	2	0
April	10.4	E.	44	NE.	1	9	10	12	9	2	3	6	9	0	3	17	10	12	7	5	4	0	1	1	0	10	3	0
May	8.4	E.	33	NW.	0	11	10	15	7	15	0	2	1	1	1	17	13	11	8	0	0	1	0	0	0	0	6	0
June	9.9	S.	27	S.	0	7	5	4	4	29	0	4	7	0	7	18	5	7	6	0	0	0	0	0	12	0	6	0
July	6.7	S.	36	NW.	0	7	5	11	6	16	6	6	4	1	13	16	2	6	6	0	0	0	0	0	14	0	7	0
August	5.9	SE.	32	NW.	0	11	5	12	14	10	0	4	4	2	17	7	7	10	10	0	0	1	2	0	6	0	7	0
September	7.4	S.	37	S.	0	7	5	9	7	14	4	5	7	2	15	13	2	7	2	0	0	0	0	0	7	1	4	0
October	9.0	S.	34	S.	0	5	2	9	11	24	1	5	4	1	16	8	7	7	6	0	0	0	0	0	1	2	1	0
November	8.3	NW.	30	NW.	0	6	2	4	6	11	4	7	16	4	6	7	17	7	5	6	3	0	1	2	0	19	1	0
December	8.9	NW.	41	NW.	1	5	3	11	6	9	4	13	10	1	7	9	15	3	3	4	3	0	2	7	0	24	0	0
Year	8.7	S.	46	NW.	7	108	58	100	88	159	38	79	89	13	115	142	108	84	60	28	17	3	10	30	40	126	37	0

CORPUS CHRISTI, TEX.

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

Month.	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.
January	10.4	*N.	37	SE.	0	24	4	7	8	1	0	1	14	3	6	2	23	10	7	0	0	0	7	0	0	0	2	0
February	10.6	SE.	40	N.	1	12	8	12	13	5	2	0	5	1	5	7	17	4	3	0	0	0	2	0	0	0	0	0
March	15.0	SE.	52	SE.	6	9	6	6	26	4	1	1	8	1	11	4	16	3	2	0	0	0	2	0	0	0	0	0
April	13.9	SE.	47	S.	1	8	5	6	30	5	2	0	4	0	11	7	12	3	1	0	0	0	1	0	2	0	2	0
May	15.1	SE.	48	N.	3	3	3	5	41	3	6	0	0	1	9	11	11	7	6	0	0	0	0	0	0	0	7	0
June	11.8	SE.	36	N.	0	3	2	7	29	17	1	0	1	0	16	7	7	11	10	0	0	0	0	0	1	0	5	0
July	13.6	SE.	36	S.	0	0	0	1	26	25	3	5	0	2	15	14	2	4	1	0	0	0	0	0	5	0	6	0
August	13.9	SE.	41	S.	1	0	1	0	32	24	1	0	0	4	9	12	10	4	3	0	0	0	0	0	4	0	6	0
September	12.8	SE.	37	SE.	0	7	1	3	27	13	1	4	4	0	19	9	2	0	0	0	0	0	0	0	7	0	3	0
October	12.2	E.	36	SE.	0	6	8	17	17	6	1	0	6	1	13	7	11	11	8	0	0	0	1	0	0	0	7	0
November	10.8	N.	34	NE.	0	16	9	14	5	8	2	0	5	1	11	6	13	7	4	0	0	0	0	0	0	0	0	0
December	11.3	SE.	39	N.	0	12	8	5	14	9	3	1	10	0	8	12	11	3	2	0	0	0	5	0	0	1	1	0
Year	12.6	SE.	52	SE.	12	100	55	83	268	120	23	12	57	14	133	98	135	67	47	0	0	0	18	0	19	1	39	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

DALLAS, TEX.

[ϕ=32° 46′ N.; λ=96° 47′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.666	30.010	29.178	37.2	45.5	....	50.6	35.1	42.8	76	24	33	35	....	86	70	....	0.199	0.211	.....	4.93	1.25	6.3	6.9	....	6.7
February	29.578	29.970	29.210	44.0	54.4	....	59.4	41.4	50.4	78	23	38	39	....	80	56	....	.246	.254	.....	.79	.52	7.1	5.9	....	6.1
March	29.439	30.110	28.770	48.3	61.3	....	67.2	46.0	56.6	82	20	37	38	....	65	46	....	.250	.266	.....	5.62	4.39	5.3	4.7	....	4.7
April	29.259	29.569	28.770	55.5	69.6	....	75.7	51.9	63.8	92	32	43	42	....	65	41	....	.302	.299	.....	2.12	1.03	5.0	4.1	....	3.8
May	29.372	29.590	29.100	67.7	77.9	....	82.3	65.2	73.8	95	53	62	63	....	84	63	....	.569	.588	.....	12.92	3.85	6.0	5.8	....	5.8
June	29.440	29.600	29.160	71.6	83.8	....	87.4	69.4	78.4	94	62	66	64	....	82	54	....	.637	.608	.....	4.29	2.01	4.5	4.2	....	4.1
July	29.457	29.640	29.200	75.7	88.9	....	92.9	73.5	83.2	99	66	69	67	....	80	50	....	.713	.672	.....	1.89	.73	5.1	4.3	....	4.5
August	29.438	29.630	29.180	72.4	82.3	....	86.3	70.4	78.4	101	64	68	68	....	87	64	....	.691	.699	.....	6.50	1.78	7.8	6.5	....	6.3
September	29.426	29.730	29.120	70.5	83.9	....	87.3	68.9	78.1	95	43	66	64	....	85	52	....	.643	.616	.....	1.72	.69	5.2	3.9	....	4.1
October	29.497	29.760	29.140	59.7	73.2	....	76.6	58.0	67.3	87	42	55	56	....	86	58	....	.461	.473	.....	3.78	1.70	6.2	5.4	....	5.3
November	29.634	30.050	29.290	45.0	57.1	....	61.3	42.8	52.0	76	22	40	41	....	82	57	....	.274	.284	.....	1.65	1.16	4.8	5.0	....	5.0
December	29.489	29.950	28.940	40.6	52.8	....	58.4	37.9	48.2	77	22	34	33	....	77	50	....	.206	.203	.....	1.01	.52	4.7	4.1	....	4.2
Year	29.475	30.110	28.770	57.4	69.2	....	73.8	55.0	64.4	101	20	51	51	....	80	55	....	.433	.431	.....	47.22	4.39	5.7	5.1	....	5.0

DAVENPORT, IOWA.

[ϕ=41° 30′ N.; λ=90° 38′ W.]

January	29.593	30.070	28.943	13.8	19.9	19.7	24.4	9.9	17.2	42	−6	12	14	14	92	75	79	0.076	0.080	0.085	0.44	0.23	5.7	5.7	5.5	5.5
February	29.445	29.940	28.857	21.1	27.5	27.3	31.9	17.9	24.9	45	−10	18	19	21	88	68	74	.108	.109	.115	.19	.09	6.0	6.1	5.4	6.5
March	29.214	29.760	28.380	33.7	43.8	42.8	50.1	30.5	40.3	75	0	29	30	32	82	60	67	.173	.182	.199	4.45	1.70	4.2	4.7	3.3	4.8
April	29.168	29.580	28.530	39.5	47.3	46.4	52.1	35.8	44.0	74	18	34	32	35	81	58	66	.203	.197	.217	5.04	1.72	6.2	7.1	5.9	6.9
May	29.401	29.810	29.060	54.3	66.9	66.2	70.5	50.5	60.5	84	35	46	44	46	73	45	50	.319	.297	.322	2.83	1.59	5.2	4.3	5.4	5.4
June	29.330	29.620	28.870	66.7	78.4	77.8	82.3	62.3	72.3	93	51	57	57	58	73	49	51	.490	.482	.495	2.54	1.34	4.5	4.2	3.2	4.5
July	29.348	29.583	29.020	67.4	79.2	79.4	83.3	63.4	73.4	96	54	60	58	60	77	50	53	.520	.491	.525	2.19	.95	4.3	4.1	3.1	4.2
August	29.380	29.650	29.040	65.0	78.9	76.4	82.6	62.7	72.6	93	51	58	56	58	80	47	55	.500	.467	.497	2.67	1.24	3.9	4.1	3.3	4.5
September	29.338	29.630	29.060	61.0	75.7	71.5	79.4	58.3	68.8	91	37	56	54	55	84	50	57	.463	.449	.447	1.85	1.42	4.2	3.9	3.7	4.3
October	29.408	29.830	29.030	52.9	65.6	62.4	69.4	51.4	60.4	84	26	46	48	49	79	55	63	.332	.354	.368	2.40	1.01	3.8	4.3	2.1	4.4
November	29.468	30.030	28.890	33.7	40.9	39.6	44.9	30.8	37.8	66	12	30	31	31	85	67	72	.176	.182	.185	1.69	.79	6.1	6.8	5.3	6.6
December	29.273	29.710	28.430	26.9	32.4	31.5	36.6	22.7	29.6	60	−7	24	25	25	87	75	76	.139	.151	.146	1.19	.48	5.6	6.6	5.2	6.5
Year	29.364	30.070	28.380	44.7	54.7	53.4	59.0	41.4	50.2	96	−10	39	39	40	82	58	64	.292	.287	.300	27.48	1.72	5.0	5.2	4.3	5.3

DAYTON, OHIO.

[ϕ=39° 46′ N.; λ=84° 10′ W.]

January	29.222	29.690	28.440	20.2	25.9	25.0	30.9	16.0	23.4	48	−1	16	19	19	85	74	78	0.095	0.112	0.110	1.80	0.89	6.5	3.2	5.8	6.5
February	29.061	29.500	28.610	26.5	31.3	31.1	35.8	23.8	29.8	59	0	23	24	24	85	74	75	.131	.136	.136	1.13	.52	6.2	6.0	7.2	6.7
March	28.996	29.440	28.365	37.8	46.6	46.0	51.9	33.3	42.6	71	9	28	31	31	68	55	58	.167	.185	.190	2.78	.97	5.1	4.9	3.8	4.8
April	28.837	29.259	28.270	43.7	49.8	48.2	55.2	38.6	46.9	80	22	36	36	36	75	62	66	.226	.228	.230	5.28	2.37	6.8	7.0	7.1	7.1
May	29.080	29.470	28.770	55.4	66.3	64.6	70.6	50.7	60.6	86	36	44	42	45	67	46	52	.307	.294	.325	2.71	1.56	5.0	4.5	4.7	4.6
June	29.034	29.348	28.570	66.3	76.1	73.8	79.6	61.0	70.3	91	49	58	58	57	74	52	58	.487	.461	.479	3.75	.96	4.3	4.6	5.1	4.6
July	29.042	29.250	28.730	67.3	78.4	75.3	82.4	62.2	72.3	94	54	59	58	58	77	50	58	.518	.491	.496	3.76	1.36	4.0	3.7	4.2	3.9
August	29.071	29.280	28.870	65.9	76.1	73.2	80.0	62.2	71.1	90	51	61	60	61	86	60	68	.555	.544	.562	2.64	1.19	5.6	5.8	5.5	5.5
September	29.056	29.270	28.810	62.3	74.5	69.9	77.5	58.3	67.9	87	42	55	55	57	79	53	66	.454	.455	.490	2.62	1.22	3.4	3.4	2.8	3.7
October	29.159	29.435	28.600	52.3	68.8	63.0	71.6	49.8	60.7	82	31	45	44	46	78	44	55	.314	.309	.319	1.61	1.07	3.6	2.9	2.5	3.6
November	29.143	29.570	28.597	38.3	44.2	42.8	47.7	35.1	41.4	64	17	33	34	35	82	69	74	.197	.206	.211	3.46	1.72	7.4	6.4	6.4	6.8
December	28.984	29.400	28.260	31.3	36.0	35.4	40.0	27.9	34.0	60	0	26	28	29	82	71	77	.152	.158	.171	1.54	.37	7.8	7.4	7.3	7.6
Year	29.057	29.690	28.260	47.3	56.2	54.0	60.3	43.2	51.8	94	−1	40	41	42	78	59	65	.300	.298	.310	33.08	2.37	5.5	5.0	5.2	5.4

DEL RIO, TEX.

[ϕ=29° 20′ N.; λ=100° 53′ W.]

January	29.173	29.530	28.750	41.6	51.3	....	56.5	39.4	48.0	73	27	37	37	....	85	62	....	0.233	0.233	.....	1.53	0.83	5.9	6.7	....	6.5
February	29.086	29.560	28.690	49.7	59.8	....	66.4	48.0	57.2	88	37	45	48	....	84	61	....	.315	.324	.....	.02	.01	6.4	5.7	....	5.9
March	28.979	29.490	28.330	48.9	65.7	....	72.4	47.2	59.8	92	30	38	37	....	68	39	....	.260	.259	.....	.15	.10	5.1	4.5	....	4.6
April	28.826	29.190	28.210	55.9	75.1	....	83.0	54.7	68.8	101	37	42	37	....	64	30	....	.310	.255	.....	.02	.02	4.1	2.1	....	2.6
May	28.878	29.100	28.610	68.8	80.2	....	85.0	67.6	76.3	100	62	65	64	....	87	59	....	.616	.592	.....	2.26	1.53	7.2	5.4	....	5.9
June	28.948	29.100	28.630	71.0	84.2	....	90.1	69.6	79.8	94	63	66	64	....	86	52	....	.650	.601	.....	1.91	.86	5.3	3.9	....	3.9
July	28.989	29.190	28.630	75.1	88.8	....	95.1	74.3	84.7	100	68	68	64	....	80	46	....	.695	.606	.....	1.38	.78	3.8	2.5	....	2.5
August	28.956	29.150	28.720	73.6	86.2	....	90.9	72.8	81.3	100	68	70	68	....	88	55	....	.728	.677	.....	4.71	1.53	6.3	4.4	....	5.0
September	28.950	29.270	28.690	71.1	87.1	....	92.3	70.3	81.3	98	57	65	64	....	82	49	....	.630	.616	.....	3.79	1.80	3.1	1.8	....	2.6
October	29.005	29.284	28.740	61.2	75.9	....	80.0	59.9	70.0	88	42	57	56	....	86	54	....	.478	.477	.....	2.47	1.00	5.0	3.9	....	4.3
November	29.152	29.560	28.890	51.0	61.0	....	66.1	48.4	57.2	80	30	46	44	....	84	59	....	.351	.322	.....	.52	.14	6.0	5.2	....	5.5
December	29.059	29.560	28.530	41.5	58.5	....	65.2	38.9	52.0	80	26	32	34	....	71	42	....	.200	.212	.....	.06	.04	3.7	2.9	....	3.4
Year	29.001	29.560	28.210	59.1	72.8	....	78.6	57.6	68.1	101	26	53	51	....	80	51	....	.456	.431	.....	18.82	1.80	5.2	4.1	....	4.5

Annual meteorological summary for the year ending December 31, 1920—Continued.

DALLAS, TEX.

[H_b=512 ft.; h_t=109 ft.; h_r=92 ft.; h_a=117 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.	31	S.	0	2	3	1	0	5	2	3	14	1	8	6	17	10	8	4	2	1	2	1	0	16	1	0
February	7.5	N.	33	NW.	0	8	1	3	2	6	1	2	6	0	8	8	13	3	3	0	0	0	0	0	0	3	1	0
March	13.0	S.	58	SW.	6	2	1	2	9	9	1	2	5	0	14	6	11	6	5	1	0	3	2	0	0	6	5	0
April	12.8	S.	42	NW.	2	3	0	5	7	6	2	0	7	0	14	12	4	4	4	0	0	1	0	0	3	1	3	0
May	9.1	S.	52	NW.	2	3	0	2	5	15	1	0	4	1	6	14	11	12	10	0	0	3	0	0	5	0	12	0
June	7.9	S.	31	NE.	0	4	0	3	12	10	0	1	6	0	14	12	4	7	6	0	0	0	0	0	11	0	7	0
July	7.2	S.	36	NW.	0	1	0	3	7	14	3	1	1	1	12	17	2	5	5	0	0	0	1	0	25	0	7	0
August	6.8	S.	27	NW.	0	2	0	4	5	13	1	3	2	1	3	19	9	18	13	0	0	0	0	0	7	0	10	0
September	7.7	S.	35	NW.	0	3	0	4	7	9	2	2	2	1	13	12	5	7	4	0	0	1	0	0	13	0	7	0
October	8.9	SE.	30	S.	0	1	1	5	12	5	1	3	2	1	11	9	11	9	6	0	0	0	1	0	0	0	4	0
November	8.0	NW.	29	S.	0	6	1	1	8	4	1	5	4	0	11	7	12	6	5	2	1	0	1	0	0	6	0	0
December	10.2	SE.	37	SW.	0	3	1	4	7	2	1	8	5	0	16	7	8	7	4	0	0	1	1	0	0	6	3	0
Year	8.8	S.	58	SW.	10	38	8	37	81	98	16	30	52	6	130	129	107	94	73	7	3	10	8	1	64	38	60	0

DAVENPORT, IOWA.

[H_b=606 ft.; h_t=71 ft.; h_r=64 ft.; h_a=79 ft.]

Month.	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.
January	8.5	NW.	27	SW.	0	2	10	11	3	6	7	5	18	0	12	7	12	7	2	14	7	0	0	25	0	31	0	0
February	8.4	NW.	26	NW.	0	1	8	12	1	1	7	10	18	0	5	9	15	3	2	18	2	0	1	10	0	28	0	0
March	10.7	SW.	40	SW.	1	2	0	9	10	7	13	11	10	0	16	3	12	11	9	5	3	2	1	3	0	18	2	1
April	10.3	E.	34	NW.	0	3	8	17	4	3	4	8	13	0	7	7	16	18	14	3	3	1	1	1	0	10	6	0
May	8.1	E.	46	NE.	1	3	12	20	6	3	4	9	5	0	10	12	9	8	7	0	0	0	0	0	0	0	3	0
June	7.0	SW.	26	SW.	0	4	10	6	5	5	21	4	5	0	11	14	5	6	5	0	0	1	0	0	7	0	5	0
July	6.3	SW.	23	W.	0	3	6	11	2	2	16	8	14	0	12	15	4	7	4	0	0	0	0	0	5	0	8	0
August	4.8	E.	20	SW.	0	11	10	10	4	3	11	5	7	1	13	12	6	7	6	0	0	0	0	0	4	0	5	0
September	6.6	SW.	30	SW.	0	2	5	8	4	10	9	6	10	6	15	8	7	7	4	0	0	0	1	0	3	0	3	0
October	5.8	SW.	24	S.	0	1	4	6	3	17	17	2	8	4	14	8	9	10	8	0	0	0	1	0	0	2	3	0
November	6.7	NW.	22	W.	0	6	2	8	1	6	11	10	15	1	9	4	17	7	5	9	1	0	0	5	0	13	0	0
December	8.6	W.	33	SW.	0	4	3	14	1	5	8	17	10	0	6	9	16	9	6	10	6	0	3	10	0	23	1	0
Year	7.6	NW.	46	NE.	2	42	78	132	44	68	128	95	133	12	130	108	128	100	72	59	22	4	8	54	19	125	36	1

DAYTON, OHIO.

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

Month.	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.
January	11.6	NE.	36	NW.	0	2	17	4	2	7	12	11	7	0	7	8	16	14	7	14	10	0	2	15	0	29	0	0
February	11.1	NW.	39	SW.	0	5	12	2	2	8	9	8	12	0	6	9	14	11	7	13	7	0	1	9	0	27	0	0
March	16.1	SW.	60	S.	5	5	0	2	5	16	20	7	7	0	12	9	10	12	9	6	3	0	1	4	0	16	2	1
April	14.1	SW.	44	NW.	3	4	12	4	5	5	13	12	5	0	3	10	17	21	14	6	4	0	0	0	0	10	6	0
May	10.3	NE.	40	N.	1	6	30	6	1	5	10	1	3	0	14	9	8	9	5	0	0	0	0	0	0	0	3	0
June	9.0	SW.	40	NW.	1	3	19	3	5	0	21	7	1	1	13	9	8	13	9	0	0	1	0	0	4	0	10	0
July	8.4	SW.	33	NE.	0	3	10	4	5	4	20	4	10	2	17	7	7	10	7	0	0	1	0	0	2	0	12	0
August	7.3	NE.	26	NW.	0	6	22	1	8	4	16	2	3	0	7	17	7	13	10	0	0	1	0	0	0	0	12	0
September	7.6	SW.	26	SW.	0	7	9	1	7	7	19	3	4	3	16	10	4	8	6	0	0	0	4	0	0	0	4	1
October	8.4	SW.	50	S.	1	2	6	3	3	8	23	5	5	7	19	5	7	4	4	1	0	0	0	0	0	1	0	0
November	10.3	SW.	28	W.	0	3	7	2	5	4	14	13	12	0	6	7	17	14	9	10	6	0	0	3	0	9	1	0
December	14.0	W.	52	W.	4	1	7	1	5	8	15	18	6	1	3	9	19	10	7	11	2	0	1	6	0	20	0	0
Year	10.7	SW.	60	S.	15	47	151	33	53	76	192	91	75	14	123	109	134	139	94	61	32	3	9	27	6	112	50	2

DEL RIO, TEX.

[H_b=944 ft.; h_t=64 ft.; h_r=56 ft.; h_a=71 ft.]

Month.	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.
January	7.8	NW.	37	NW.	0	1	4	5	4	0	1	6	9	1	8	5	18	11	9	1	0	0	2	0	0	4	3	0
February	8.1	SE.	30	N.	0	4	0	9	7	3	0	1	4	1	5	10	13	2	0	0	0	0	2	0	0	0	0	0
March	11.4	SE.	49	NW.	2	3	2	7	11	0	0	3	4	1	13	9	9	3	2	0	0	0	0	0	1	1	2	0
April	11.4	SE.	43	N.	3	2	2	7	10	0	0	2	7	0	17	11	2	1	0	0	0	0	0	0	6	0	2	0
May	10.0	SE.	38	E.	0	3	4	6	18	0	0	0	0	0	9	9	13	6	4	0	0	0	0	0	4	0	3	0
June	11.1	SE.	45	NW.	2	1	4	7	17	0	0	1	0	0	13	15	2	6	5	0	0	0	0	0	18	0	5	0
July	10.0	SE.	35	SE.	0	1	0	22	7	0	1	0	0	0	19	7	5	4	3	0	0	0	0	0	28	0	5	0
August	9.0	SE.	38	NE.	0	3	0	19	8	0	0	0	1	0	9	18	4	9	6	0	0	0	0	0	20	0	5	0
September	8.2	SE.	48	E.	1	2	0	16	8	2	0	1	1	0	21	7	2	4	4	0	0	1	0	0	27	0	3	0
October	9.5	SE.	30	N.	0	1	3	9	13	0	1	1	3	0	16	5	10	7	7	0	0	0	0	0	0	0	2	0
November	8.2	SE.	39	NW.	0	7	1	6	10	0	0	1	5	0	12	6	12	8	5	0	0	0	3	0	0	1	2	0
December	8.7	SE.	46	NW.	2	4	1	4	6	0	0	2	14	0	18	11	2	2	1	0	0	0	0	0	0	6	0	0
Year	9.4	SE.	49	NW.	10	32	21	117	119	5	3	18	48	3	161	113	92	63	46	1	0	1	7	0	104	12	32	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

DENVER, COLO.

[ϕ=39° 45′ N.; λ=105° 00′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	24.767	25.040	24.380	29.2	41.3	38.1	47.2	24.9	36.0	68	4	19	20	22	68	46	56	0.102	0.107	0.116	0.64	0.50	5.3	5.2	5.6	5.3
February	24.734	25.020	24.350	26.0	37.6	37.5	42.0	23.2	32.6	59	9	19	20	21	74	52	55	.099	.106	.112	.48	.26	4.3	5.8	6.0	5.2
March	24.530	25.000	23.860	30.2	43.9	45.1	49.8	25.7	37.8	70	−4	19	21	20	63	42	39	.104	.112	.111	.62	.21	3.2	5.2	4.9	4.8
April	24.522	24.870	24.050	31.5	44.8	43.1	48.7	29.0	38.8	68	6	25	27	27	77	54	56	.134	.151	.148	2.56	1.07	6.8	7.7	7.7	7.0
May	24.677	25.020	24.290	47.6	63.2	63.1	68.3	45.8	57.0	88	35	39	37	38	74	44	45	.238	.225	.231	1.68	.61	6.5	6.4	7.4	6.4
June	24.749	24.940	24.520	56.6	72.3	71.2	77.3	54.1	65.7	90	44	44	41	42	65	37	41	.290	.267	.281	.65	.11	4.4	6.7	7.7	6.3
July	24.870	25.040	24.638	62.2	80.4	79.2	84.4	59.9	72.2	94	52	49	44	45	63	30	33	.350	.303	.309	.45	.23	2.7	2.9	7.4	4.1
August	24.838	25.040	24.530	58.0	74.9	73.6	79.0	56.6	67.8	88	48	48	45	45	71	38	40	.341	.307	.310	1.27	.73	3.3	4.3	6.2	4.4
September	24.759	25.160	24.280	50.6	70.9	70.2	75.7	49.3	62.5	86	37	38	34	36	64	30	32	.237	.210	.226	.06	.06	3.4	2.4	4.8	3.5
October	24.703	25.050	24.360	42.7	60.2	57.4	64.2	40.5	52.2	83	20	29	30	31	61	39	43	.160	.168	.175	.87	.34	4.7	4.5	4.5	4.8
November	24.801	25.110	24.360	29.9	43.2	40.8	46.8	26.6	36.7	70	10	21	24	24	70	52	56	.113	.133	.132	.08	.07	4.0	4.1	3.0	4.0
December	24.600	25.090	24.070	26.7	38.0	34.8	42.1	20.9	31.5	66	0	16	18	19	63	49	55	.090	.100	.103	.45	.21	2.9	6.0	5.2	5.1
Year	24.712	25.160	23.860	40.9	55.9	54.5	60.5	38.0	49.2	94	−4	30	30	31	68	43	46	.188	.182	.188	9.81	1.07	4.3	5.1	5.9	5.1

DES MOINES, IOWA.

[ϕ=41° 35′ N.; λ=93° 37′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.315	29.840	28.691	15.4	22.1	22.1	26.3	10.6	18.4	45	−5	11	16	17	82	74	78	0.074	0.091	0.095	0.44	0.28	5.5	6.7	6.2	6.1
February	29.190	29.650	28.640	22.5	28.1	27.9	32.0	18.6	25.3	42	−7	19	21	22	84	74	75	.111	.120	.120	.74	.33	5.9	7.5	6.4	6.8
March	28.920	29.550	28.120	33.6	43.6	44.1	50.0	29.7	39.8	76	0	27	30	32	77	62	66	.163	.188	.205	3.92	1.27	4.4	5.7	5.0	5.1
April	28.913	29.290	28.390	38.9	47.3	47.3	51.9	35.9	43.9	72	18	33	33	33	79	59	60	.195	.199	.200	4.09	.99	7.4	7.1	6.6	7.1
May	29.115	29.504	28.710	55.4	66.4	66.5	70.4	51.9	61.2	87	40	46	46	48	72	50	53	.323	.327	.349	3.14	2.65	6.5	7.4	7.2	7.2
June	29.056	29.350	28.610	67.3	77.4	78.0	81.8	63.2	72.5	95	50	58	58	57	72	53	50	.496	.503	.487	1.25	.56	6.3	6.7	4.2	6.1
July	29.097	29.330	28.760	67.9	79.5	79.6	83.9	63.6	73.8	93	55	61	60	62	78	52	56	.536	.523	.566	5.66	1.38	5.2	4.2	2.9	3.9
August	29.122	29.368	28.770	63.3	78.1	76.0	81.8	61.0	71.4	93	53	57	58	58	81	52	56	.483	.499	.503	2.11	.69	4.5	5.0	4.7	4.6
September	29.061	29.360	28.670	59.9	74.6	70.9	78.1	58.0	68.0	89	36	55	53	56	84	51	61	.449	.434	.472	4.44	2.07	4.5	4.1	4.1	4.3
October	29.112	29.570	28.720	50.8	66.3	63.3	70.4	50.1	60.2	86	25	44	45	46	80	50	54	.315	.322	.327	1.89	.81	3.3	3.8	2.4	3.8
November	29.200	29.800	28.660	32.9	40.3	39.0	44.8	30.3	37.6	67	12	29	30	31	86	67	73	.170	.172	.184	1.63	.58	6.1	6.5	5.4	6.3
December	29.002	29.460	28.350	25.0	30.6	30.5	35.8	21.8	28.8	55	−6	20	24	24	80	74	75	.118	.137	.142	1.38	.39	5.6	6.8	5.3	6.5
Year	29.092	29.840	28.120	44.4	54.5	53.8	58.9	41.2	50.1	95	−7	38	40	40	80	60	63	.286	.293	.304	30.69	2.65	5.4	6.0	5.0	5.6

DETROIT, MICH.

[ϕ=42° 20′ N.; λ=83° 03′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.410	30.030	28.724	14.6	18.3	17.5	23.3	10.4	16.8	36	−7	10	13	13	82	79	80	0.072	0.081	0.078	1.73	0.46	6.5	6.3	5.4	6.2
February	29.236	29.816	28.670	20.1	24.8	24.3	28.9	16.4	22.6	47	0	16	18	18	81	73	75	.091	.100	.102	.97	.36	8.6	6.6	6.8	6.7
March	29.136	29.623	28.450	31.8	41.4	39.5	47.1	28.3	37.7	70	6	26	30	29	78	66	67	.149	.184	.173	2.09	.57	5.4	5.7	5.1	5.9
April	29.020	29.530	28.520	38.2	44.3	42.6	48.2	33.8	41.0	70	19	32	33	33	80	66	71	.196	.199	.201	3.38	.79	7.3	7.8	8.2	7.9
May	29.314	29.730	29.030	52.8	61.6	58.4	65.9	47.0	56.4	84	34	40	40	42	63	48	56	.261	.269	.291	.43	.18	4.2	6.0	5.6	5.4
June	29.213	29.575	28.780	65.6	74.0	70.8	77.4	60.7	69.0	92	50	56	55	55	72	54	59	.461	.455	.446	5.49	1.79	5.0	5.7	4.7	5.3
July	29.208	29.450	28.800	65.6	74.1	70.7	78.3	61.0	69.6	92	53	57	55	57	74	54	62	.475	.450	.468	3.65	1.38	5.2	6.4	6.1	5.6
August	29.275	29.510	28.990	65.5	73.4	70.2	76.9	62.0	69.4	89	51	59	58	59	80	61	69	.508	.505	.511	4.20	1.53	4.9	6.1	6.5	5.8
September	29.241	29.520	28.900	60.5	70.7	66.0	73.9	57.5	65.7	88	44	54	55	55	80	59	68	.439	.451	.447	1.37	.60	3.6	3.9	3.9	3.9
October	29.310	29.632	28.636	53.4	64.3	59.8	67.9	51.0	59.4	81	32	48	50	48	81	62	67	.344	.377	.350	2.26	1.36	5.0	5.7	3.1	4.8
November	29.307	29.730	28.750	36.8	41.8	39.8	44.6	33.6	39.1	60	18	33	33	33	85	70	78	.198	.193	.198	2.29	.71	7.4	7.3	6.9	7.4
December	29.119	29.640	28.330	31.0	34.0	32.8	37.8	27.7	32.8	57	4	27	27	28	84	76	81	.152	.158	.160	2.84	.94	9.0	8.3	7.6	8.5
Year	29.232	30.030	28.330	44.7	51.9	49.4	55.8	40.8	48.3	92	−7	38	39	39	78	64	69	.279	.285	.285	30.70	1.79	6.0	6.3	5.8	6.1

DEVILS LAKE, N. DAK.

[ϕ=48° 07′ N.; λ=98° 52′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.579	29.150	27.880	−4.8	1.3	0.0	6.2	(*)	−2.3	32	−32	−6	−2	−2	92	86	88	0.036	0.044	0.042	0.74	0.29	6.1	6.7	5.3	6.5
February	28.480	29.160	27.830	4.5	13.2	10.8	18.1	−2.0	8.0	34	−30	3	10	8	92	84	89	.052	.070	.066	.12	.05	6.2	5.5	5.2	5.9
March	28.210	28.880	26.980	12.4	24.1	23.5	29.0	9.2	19.1	55	−23	10	19	20	92	80	86	.088	.118	.124	.35	.25	4.1	5.6	5.2	5.2
April	28.369	28.820	27.880	24.5	36.7	35.8	41.0	21.4	31.2	55	2	20	22	24	83	58	63	.115	.123	.129	.54	.32	3.5	3.8	4.9	4.4
May	28.438	28.830	27.930	47.5	62.7	61.2	67.2	41.7	54.4	80	27	38	36	36	70	39	41	.233	.216	.216	1.24	.66	4.8	5.5	5.9	5.3
June	28.380	28.670	27.990	57.1	69.2	67.6	73.6	51.1	62.4	86	37	51	50	51	80	55	59	.378	.383	.391	4.69	3.30	5.1	5.4	5.6	5.4
July	28.430	28.690	28.050	59.8	75.0	74.3	79.4	54.9	67.2	91	43	54	54	55	80	50	53	.420	.432	.443	2.51	1.16	3.2	4.4	3.1	3.7
August	28.402	28.718	27.970	58.2	77.6	76.1	82.1	54.8	66.4	96	39	52	52	52	80	44	46	.390	.399	.394	2.21	1.16	2.6	2.5	1.8	2.5
September	28.321	28.806	27.750	49.9	67.0	62.9	71.3	47.6	59.4	90	33	45	44	48	84	47	61	.313	.299	.346	5.34	3.84	4.4	4.4	4.0	4.6
October	28.323	28.750	27.897	39.5	57.2	51.8	61.3	36.5	48.9	89	20	34	37	36	82	50	58	.210	.231	.224	.23	.13	3.4	4.5	2.9	4.1
November	28.495	29.020	27.880	22.9	32.5	28.7	35.5	18.8	27.2	56	2	20	24	22	87	70	77	.109	.128	.117	.76	.55	6.7	6.5	4.9	6.6
December	28.296	28.940	27.730	8.8	15.3	13.5	19.0	4.1	11.6	36	−24	7	12	12	92	87	92	.067	.085	.083	.30	.14	4.9	5.9	5.9	5.8
Year	28.394	29.160	26.980	31.7	44.3	42.2	48.6	27.3	38.0	96	−32	27	30	30	84	62	68	.201	.211	.215	19.03	3.84	4.6	5.1	4.6	5.0

*—10.8, mean minimum temperature, Devils Lake, January.

Annual meteorological summary for the year ending December 31, 1920—Continued.

DENVER, COLO.

[H_b=5,291 ft.; h_1=106 ft.; h_2=98 ft.; h_3=113 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	6.9	S.	29	NE.	0	6	10	1	4	19	9	3	10	0	13	7	11	3	2	7	3	0	4	4	0	24	0	0
February	6.9	NE.	35	NE.	0	8	13	6	6	10	6	7	2	0	12	7	10	7	5	8	7	0	1	5	0	27	0	0
March	9.4	S.	51	W.	3	1	7	3	3	15	9	11	13	0	12	13	6	7	6	8	6	0	0	1	0	24	0	1
April	10.2	N.	44	N.	1	11	13	3	3	13	2	7	7	1	2	16	12	13	10	15	10	1	0	3	0	19	3	0
May	7.9	S.	36	S.	0	4	13	6	7	9	7	7	8	1	5	14	12	9	7	0	0	3	1	0	0	0	4	0
June	7.5	S.	35	N.	0	6	8	2	7	18	6	5	8	0	6	14	10	12	7	0	0	0	0	0	1	0	13	0
July	6.8	S.	32	N.	0	4	8	4	6	19	10	4	7	0	12	18	1	4	3	0	0	0	0	0	5	0	7	0
August	6.8	S.	30	N.	0	8	5	3	6	16	11	4	8	1	13	14	4	6	4	0	0	0	0	0	0	0	8	0
September	6.8	S.	33	W.	0	9	8	1	4	21	5	6	6	0	18	7	5	2	0	1	0	0	2	0	0	0	3	0
October	7.3	S.	30	NW.	0	11	7	0	8	19	5	4	8	0	14	8	9	7	6	6	5	1	0	1	0	7	1	0
November	6.9	S.	32	N.	0	9	7	2	6	19	3	6	7	1	16	6	8	3	1	6	3	0	1	4	0	25	0	0
December	8.1	S.	42	W.	1	6	4	1	2	22	7	7	12	1	11	12	8	6	4	7	6	0	0	7	0	27	0	0
Year	7.6	S.	51	W.	5	83	103	32	62	200	80	71	96	5	134	136	96	79	55	58	40	5	9	25	6	153	39	1

DES MOINES, IOWA.

[H_b=861 ft.; h_1=84 ft.; h_2=76 ft.; h_3=97 ft.]

Month.	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.
January	7.7	N.	29	SW.	0	12	5	13	2	6	9	5	10	0	9	10	12	7	2	12	7	0	0	23	0	31	0	0
February	7.7	NW.	31	NW.	0	3	5	6	6	3	8	7	20	0	7	5	17	10	6	10	6	0	0	9	0	26	0	0
March	10.6	SW.	38	SW.	0	6	1	3	9	8	13	7	15	0	13	4	14	10	7	3	1	0	1	4	0	17	5	0
April	8.9	N.	30	E.	0	8	7	10	4	5	9	3	14	0	5	9	16	14	9	8	3	0	0	2	0	10	4	0
May	7.8	E.	33	SW.	0	5	7	17	14	6	5	3	5	0	5	7	19	6	4	0	0	0	0	0	0	0	5	0
June	8.6	SW.	32	SW.	0	7	6	5	5	8	21	2	6	0	4	8	8	9	6	0	0	0	0	0	8	0	9	0
July	5.4	SW.	31	SW.	0	9	5	7	10	8	11	6	6	0	17	9	5	12	10	0	0	1	0	0	5	0	11	0
August	4.8	N.	23	N.	0	12	8	7	15	2	10	4	3	1	15	8	8	7	6	0	0	0	2	0	3	0	4	0
September	6.5	S.	36	SW.	0	2	6	4	11	11	10	8	7	1	14	9	7	9	8	0	0	1	0	0	0	0	3	0
October	6.7	S.	28	S.	0	7	0	4	4	20	15	3	7	2	17	8	6	7	6	0	0	1	1	0	0	1	4	0
November	7.1	SW.	22	NW.	0	9	3	4	2	6	12	8	13	3	8	8	14	11	8	5	2	0	0	3	0	18	0	0
December	8.0	NW.	28	W.	0	4	3	6	8	8	7	6	20	0	6	9	16	5	2	9	5	0	3	10	0	26	0	0
Year	7.5	SW.	38	SW.	0	84	56	86	90	91	130	62	126	7	120	104	142	107	74	47	24	3	7	51	16	129	45	0

DETROIT, MICH.

[H_b=730 ft.; h_1=218 ft.; h_2=214 ft.; h_3=258 ft.]

Month.	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.
January	14.2	W.	40	W.	1	9	10	3	3	4	8	17	8	0	8	11	12	10	7	16	9	0	0	26	0	31	0	0
February	13.0	W.	42	SW.	1	5	9	4	3	5	6	15	11	0	6	9	14	10	7	16	10	0	0	17	0	29	0	0
March	15.4	SW.	54	SW.	8	3	3	3	3	14	12	14	10	0	9	10	12	12	7	7	2	0	0	5	0	18	3	2
April	14.0	W.	54	W.	2	5	8	11	2	4	5	16	9	0	2	8	20	17	10	10	7	1	1	3	0	11	3	0
May	9.9	NE.	36	SW.	0	10	12	15	5	4	8	5	3	0	10	12	9	7	6	0	0	0	0	0	0	0	1	0
June	10.2	W.	35	SW.	0	8	3	12	5	8	8	9	7	0	7	15	8	10	8	0	0	1	0	0	4	0	8	0
July	10.0	W.	38	SW.	0	6	6	8	6	7	10	13	6	0	6	21	4	10	10	0	0	1	0	0	1	0	8	0
August	8.6	N.	40	W.	1	15	12	11	5	8	4	5	2	0	8	12	11	9	7	0	0	0	3	0	0	0	8	0
September	10.6	W.	36	N.	0	6	10	4	13	4	8	6	9	0	16	8	6	7	6	0	0	0	2	0	0	0	2	0
October	10.1	SW.	45	SW.	1	7	4	2	8	7	15	10	9	0	11	11	9	9	5	0	0	0	1	0	0	2	3	0
November	12.0	W.	44	W.	2	7	5	9	5	3	8	17	6	0	4	8	18	14	9	7	2	0	1	3	0	13	0	0
December	14.8	W.	61	SW.	3	1	3	5	9	4	10	20	10	0	0	7	24	12	10	15	6	0	0	10	0	19	0	0
Year	11.9	W.	61	SW.	19	82	85	87	67	72	102	147	90	0	87	132	147	127	92	71	36	3	8	64	5	123	36	2

DEVILS LAKE, N. DAK.

[H_b=1,478 ft.; h_1=11 ft.; h_2=4 ft.; h_3=44 ft.]

Month.	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.
January	10.7	NW.	32	NW.	0	2	6	8	7	5	4	14	16	0	7	8	16	9	5	18	9	0	0	31	0	31	0	0
February	10.4	W.	38	N.	0	7	0	1	7	5	10	15	13	0	9	8	12	5	1	12	5	0	0	27	0	29	0	0
March	11.8	NW.	60	N.	2	4	9	7	7	5	7	11	12	0	10	11	10	3	3	8	2	0	0	14	0	30	0	2
April	11.8	NW.	38	N.	0	14	13	7	4	1	1	4	16	0	14	9	7	4	3	3	1	1	2	6	0	25	0	1
May	11.7	SE.	42	W.	1	4	5	12	12	11	5	6	7	0	11	10	10	8	4	0	0	0	0	0	0	2	3	0
June	8.3	SE.	50	W.	1	8	2	10	14	7	5	7	7	0	12	7	11	10	8	0	0	1	0	0	0	0	10	0
July	8.2	NW.	34	NE.	0	11	7	5	8	6	9	5	11	0	17	12	2	5	4	0	0	0	0	0	1	0	6	1
August	9.2	S.	32	S.	0	5	4	6	16	12	6	8	5	0	22	6	3	6	5	0	0	0	0	0	7	0	5	1
September	9.2	SE.	34	E.	0	4	7	5	12	10	9	4	9	0	15	6	9	10	7	1	0	1	2	0	0	0	5	2
October	10.3	SE.	48	SW.	1	2	4	9	14	9	8	8	8	0	18	4	9	4	3	1	0	0	1	1	0	9	0	3
November	9.4	NW.	44	N.	2	6	4	5	4	9	7	9	15	1	6	7	17	8	5	11	6	0	2	11	0	29	0	2
December	8.6	NW.	36	NW.	0	7	2	2	14	6	5	7	19	0	11	5	15	7	3	11	6	0	1	28	0	31	0	0
Year	10.0	NW.	60	N.	7	74	63	77	119	86	76	98	138	1	152	93	121	79	51	65	29	3	8	118	8	186	29	12

Annual meteorological summary for the year ending December 31, 1920—Continued.

DODGE CITY, KANS.

[ϕ=37° 45′ N.; λ=100° 00′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	27.551	27.980	26.980	23.9	39.5	34.6	44.7	21.0	32.8	68	7	21	25	23	88	60	64	0.113	0.136	0.123	0.07	0.06	3.7	5.2	3.8	4.5
February	27.491	27.879	27.040	25.7	42.9	39.7	47.8	22.4	35.1	68	5	22	24	23	84	52	53	.119	.132	.123	.09	.03	5.2	4.1	3.4	4.0
March	27.255	27.880	26.500	32.1	54.7	53.2	60.7	29.2	45.0	79	−10	20	18	17	64	28	28	.121	.102	.102	.43	.38	2.3	2.7	3.1	2.6
April	27.199	27.580	26.720	38.4	56.4	54.3	62.8	34.7	48.8	79	18	32	33	32	79	46	47	.186	.194	.187	1.75	.68	3.9	3.1	4.6	3.9
May	27.366	27.691	26.950	54.4	67.2	67.0	72.4	50.9	61.6	92	41	50	53	52	87	62	62	.372	.406	.400	3.47	1.32	7.5	5.5	5.3	5.8
June	27.394	27.620	27.120	63.7	79.7	79.4	84.5	60.7	72.6	98	49	58	57	55	81	49	46	.480	.468	.438	2.08	.85	3.5	3.7	4.3	3.5
July	27.455	27.700	27.230	67.6	86.4	85.5	90.8	65.0	77.9	100	56	61	59	59	80	43	42	.536	.508	.502	3.79	1.76	3.2	2.5	2.6	2.6
August	27.452	27.690	27.100	62.6	79.9	78.2	84.4	60.4	72.4	96	50	58	57	56	86	48	50	.495	.480	.467	2.43	1.00	5.0	3.3	2.9	3.7
September	27.411	27.870	26.970	58.6	78.4	72.9	81.9	56.8	69.4	95	33	54	51	53	84	43	52	.430	.403	.416	3.34	1.99	3.0	2.0	2.5	2.4
October	27.395	27.820	27.010	49.7	69.4	62.7	72.6	47.0	59.8	92	31	43	43	43	78	42	52	.289	.288	.292	3.58	2.20	3.0	2.2	3.2	2.6
November	27.536	28.050	27.070	32.0	45.4	40.6	50.1	28.6	39.4	74	12	28	30	31	86	56	70	.163	.168	.182	1.13	.73	3.6	4.2	3.1	3.9
December	27.338	27.800	26.730	27.0	41.4	35.8	46.5	23.7	35.1	62	4	22	24	25	82	53	68	.121	.131	.137	.81	.67	4.8	4.4	4.1	4.3
Year	27.404	28.050	26.500	44.6	61.8	58.7	66.6	41.7	54.2	100	−10	39	40	39	82	48	53	.285	.285	.281	22.97	2.20	4.1	3.6	3.6	3.6

DREXEL, NEBR.

[ϕ=41° 20′ N.; λ=96° 16′ W.]

January	28.784	29.310	28.190	17.8	24.1	23.8	29.6	13.5	21.6	51	0	16	18	19	93	75	82	0.092	0.099	0.108	0.14	0.11	4.9	7.1	6.0	6.5
February	28.701	29.170	28.170	23.6	29.4	28.6	34.9	20.4	27.6	48	− 4	22	22	23	91	75	80	.122	.127	.131	.37	.18	5.3	6.3	6.1	7.0
March	28.422	29.080	27.580	30.8	44.7	42.5	51.5	27.5	39.5	79	− 4	26	30	29	82	60	62	.152	.184	.178	2.10	1.00	4.5	5.3	4.8	4.8
April	28.423	28.800	27.886	36.1	44.9	46.3	50.8	33.7	42.2	70	17	32	34	35	85	69	66	.188	.210	.214	4.65	1.52	7.4	7.9	6.6	6.9
May	28.605	28.990	28.240	53.9	65.2	63.2	68.5	50.1	59.3	83	37	49	52	52	84	64	69	.363	.411	.403	3.13	.67	7.5	6.5	5.8	6.2
June	28.563	28.880	28.170	64.7	77.0	74.9	80.2	60.6	70.4	92	43	59	59	59	81	55	60	.508	.518	.523	2.16	.92	6.3	5.2	4.7	5.2
July	28.624	28.830	28.350	67.1	80.3	79.9	84.5	62.5	73.5	96	51	62	64	64	84	59	59	.557	.602	.599	5.18	1.54	5.0	3.6	2.3	3.5
August	28.634	28.870	28.250	62.5	77.2	74.4	80.6	59.1	69.8	90	49	58	60	62	87	58	66	.497	.536	.557	4.82	1.98	4.4	3.9	4.5	4.2
September	28.573	28.966	28.060	57.5	74.9	69.6	78.7	53.9	66.3	94	29	54	56	56	88	54	51	.427	.472	.481	.99	.72	2.7	4.0	3.6	3.5
October	28.594	29.060	28.200	49.2	66.2	60.1	70.3	47.5	58.9	86	25	44	46	44	82	51	59	.304	.331	.315	4.94	2.68	4.0	4.0	3.1	3.4
November	28.718	29.330	28.200	30.6	38.2	35.7	42.7	27.5	35.1	63	12	28	30	30	90	72	80	.160	.173	.177	2.50	1.18	7.0	6.9	5.1	6.7
December	28.526	28.990	27.900	21.8	30.3	27.6	34.0	18.0	26.0	52	−18	19	23	22	90	75	82	.115	.131	.130	1.21	1.20	4.4	6.2	3.9	5.6
Year	28.597	29.330	27.580	43.0	54.4	52.2	58.9	39.5	49.2	96	−18	39	41	41	86	64	68	.290	.316	.318	32.19	2.68	5.3	5.6	4.7	5.3

DUBUQUE, IOWA.

[ϕ=42° 30′ N.; λ=90° 44′ W.]

January	29.515	29.990	28.880	10.0	16.4	16.2	21.0	5.8	13.4	40	−13	7	10	11	86	76	80	0.061	0.071	0.074	0.63	0.21	5.8	5.9	5.6	6.3
February	29.362	29.930	28.707	17.7	23.5	23.8	27.9	14.3	21.1	41	−14	14	16	18	83	72	76	.089	.095	.101	.47	.24	7.1	7.0	6.2	6.9
March	29.119	29.670	28.320	30.8	40.4	40.9	46.6	27.9	37.2	75	− 3	26	28	31	82	62	68	.159	.173	.189	3.04	1.18	4.3	5.5	3.7	5.2
April	29.097	29.520	28.440	37.9	45.5	45.9	50.9	34.7	42.8	73	19	31	30	31	75	55	58	.184	.175	.185	3.91	1.84	6.4	6.6	6.5	6.3
May	29.333	29.730	28.920	52.4	65.1	65.5	69.0	48.7	58.8	82	35	43	42	43	72	45	46	.291	.279	.295	2.86	1.27	5.0	5.8	6.5	5.7
June	29.252	29.540	28.784	64.8	76.6	75.9	80.9	60.9	70.9	95	50	57	58	58	78	54	56	.489	.504	.510	5.24	1.72	5.0	6.4	5.1	5.5
July	29.280	29.560	28.956	65.8	76.5	77.3	80.7	61.7	71.2	92	52	58	59	60	77	56	56	.495	.508	.526	1.11	.91	4.1	5.0	4.2	4.3
August	29.310	29.600	28.930	61.4	76.3	74.3	80.2	59.1	69.6	91	49	57	58	60	85	55	63	.470	.500	.536	3.44	1.83	4.4	3.7	4.9	4.5
September	29.259	29.574	28.960	59.1	72.8	68.8	76.2	56.5	66.4	90	34	54	56	57	83	58	67	.430	.471	.482	1.46	1.05	4.2	4.2	4.6	4.4
October	29.326	29.770	28.940	50.5	65.0	61.1	68.7	48.6	58.6	85	24	46	48	48	84	56	64	.326	.359	.357	2.18	1.14	4.3	4.1	4.1	4.3
November	29.380	29.910	28.790	32.4	39.3	37.4	42.1	29.1	35.6	61	13	28	31	31	84	74	77	.163	.180	.177	2.01	.72	6.3	7.6	7.5	7.4
December	29.182	29.640	28.260	25.1	29.6	28.9	33.5	21.1	27.3	55	− 9	23	24	24	91	79	80	.133	.142	.138	.96	.25	6.5	7.7	5.9	7.1
Year	29.285	29.990	28.260	42.3	52.2	51.3	56.5	39.0	47.7	95	−14	37	38	39	82	62	66	.274	.288	.298	27.31	1.84	5.3	5.8	5.4	5.7

DULUTH, MINN.

[ϕ=46° 47′ N.; λ=92° 06′ W.]

January	28.960	29.490	28.220	-0.1	5.8	4.0	11.0	-5.0	3.0	37	−25	−2	1	2	94	81	89	0.042	0.048	0.047	1.13	0.27	5.5	5.5	3.7	5.2
February	28.815	29.600	28.210	8.7	15.6	14.4	19.8	5.1	12.4	32	−20	7	10	10	91	76	82	.063	.069	.071	.45	.16	6.5	5.6	5.1	5.5
March	28.576	29.080	27.550	20.6	28.3	26.7	33.2	17.4	25.3	57	−13	17	21	21	87	73	78	.104	.123	.124	2.28	.57	5.1	4.5	4.5	4.8
April	28.649	29.121	27.860	27.1	34.9	34.3	39.4	23.9	31.6	59	1	24	28	27	86	75	74	.134	.158	.150	1.41	.55	4.5	4.9	4.7	4.7
May	28.860	29.221	28.280	46.6	54.8	54.7	60.6	41.3	51.0	78	31	36	37	36	09	55	52	.220	.236	.222	4.67	1.77	4.8	4.5	4.4	4.2
June	28.773	29.050	28.450	56.0	60.5	60.3	66.5	49.3	57.9	83	40	51	51	50	84	73	72	.376	.377	.375	5.66	2.07	4.9	5.3	4.7	5.3
July	28.775	29.040	28.390	59.9	68.5	66.3	72.4	53.3	62.8	84	44	54	56	56	82	68	70	.430	.467	.448	4.82	1.63	4.3	4.3	3.9	4.1
August	28.837	29.120	28.360	59.7	68.4	65.7	72.2	55.1	63.6	86	45	54	56	55	82	66	70	.419	.457	.445	1.44	.69	4.2	3.4	3.5	3.5
September	28.749	29.190	28.350	55.1	64.9	60.4	69.0	51.6	60.3	88	30	50	52	51	86	66	73	.378	.415	.392	1.31	.80	4.3	4.3	3.1	4.3
October	28.771	29.300	28.420	46.0	56.4	51.6	59.7	43.8	51.8	78	19	41	43	41	83	64	70	.274	.298	.276	4.10	2.33	2.8	4.0	4.5	5.0
November	28.865	29.300	28.220	25.4	30.9	28.9	33.7	22.2	28.4	48	5	23	24	25	90	76	83	.129	.136	.135	1.40	.72	4.9	6.5	7.1	6.6
December	28.635	29.210	27.750	17.7	21.2	20.5	24.8	13.8	19.3	41	−12	16	19	18	94	89	90	.101	.109	.107	1.07	.38	7.3	8.0	6.8	7.8
Year	28.772	29.600	27.550	35.2	42.5	40.6	46.9	31.1	39.0	88	−25	31	33	33	86	72	75	.222	.241	.233	29.74	2.33	4.9	5.1	4.7	5.1

Annual meteorological summary for the year ending December 31, 1920—Continued.

DODGE CITY, KANS.

[H_b=2,509 ft.; h_t=11 ft.; h_r=3 ft.; h_a=51 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....	9.6	N.	39	NE.	0	11	8	5	7	7	6	11	7	0	15	6	10	2	1	4	2	0	1	5	0	31	0	0
February...	9.9	N.	28	NE.	0	13	9	1	4	5	3	8	15	0	14	8	7	4	0	4	2	0	0	2	0	28	0	0
March.....	14.6	NW.	50	NW.	6	4	4	3	7	11	12	6	15	0	21	7	3	4	1	4	2	0	0	4	0	17	1	0
April.....	14.0	SE.	44	N.	3	6	5	8	16	2	3	3	17	0	15	10	5	8	8	5	3	0	0	0	0	12	2	0
May.....	11.6	NE.	41	SW.	1	5	16	7	11	15	4	1	3	0	7	13	11	12	7	0	0	2	0	0	2	0	4	0
June.....	12.0	S.	32	SW.	0	4	10	6	4	25	7	1	3	0	18	7	5	12	10	0	0	0	0	0	13	0	13	0
July.....	8.8	SE.	34	N.	0	0	12	4	18	10	13	2	2	1	18	13	0	7	7	0	0	1	0	0	16	0	9	0
August.....	8.3	S.	27	NE.	0	4	8	6	12	14	8	6	3	1	16	10	5	7	7	0	0	0	0	0	4	0	4	0
September..	9.3	S.	32	SW.	0	7	6	4	14	9	9	1	9	1	21	4	5	6	5	0	0	1	0	0	8	0	5	0
October....	11.3	SE.	37	SE.	0	5	3	6	27	7	3	6	5	0	24	3	4	6	6	0	0	0	0	0	1	2	3	0
November..	10.1	NW.	32	NW.	0	6	10	3	6	8	7	5	15	0	18	3	9	5	4	4	3	0	1	3	0	19	0	0
December..	10.8	NW.	34	NW.	0	8	3	1	5	14	6	6	19	0	14	10	7	5	2	6	3	0	0	5	0	28	0	0
Year..	10.9	S.	50	NW.	10	73	94	54	131	127	81	56	113	3	201	94	71	78	58	27	15	4	2	19	44	137	41	0

DREXEL, NEBR.

[H_b=1,299 ft.; h_t=10 ft.; h_r=3 ft.; h_a=54 ft.]

Month.	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.
January....	10.9	N.	35	SW.	0	23	4	3	8	10	6	5	3	0	7	9	15	2	1	14	2	0	1	17	0	31	0	0
February...	10.6	NW.	29	N.	0	14	7	4	5	2	9	3	14	0	6	4	19	5	4	12	4	0	7	10	0	29	0	1
March.....	15.7	NW.	54	S.	9	8	7	3	11	9	8	6	10	0	15	8	8	7	5	7	3	1	0	4	0	17	4	0
April.....	13.4	NE.	48	NW.	2	11	14	7	9	4	2	1	10	2	5	12	13	16	11	6	4	1	1	1	0	13	6	0
May.....	10.9	SE.	44	E.	1	5	13	11	18	8	3	1	3	0	7	12	12	11	11	0	0	1	1	0	0	0	9	0
June.....	11.6	S.	41	SW.	1	5	4	7	13	12	11	1	7	0	9	14	7	9	7	0	0	0	0	0	4	0	11	0
July.....	7.7	S.	31	S.	0	4	9	1	14	10	11	6	7	0	18	11	2	11	9	0	0	0	0	0	6	0	14	0
August.....	6.8	SE.	28	SE.	0	10	4	9	18	8	5	3	5	0	18	5	8	9	7	0	0	0	0	0	1	0	9	0
September..	8.8	S.	45	SW.	1	8	6	5	8	13	5	2	13	0	16	13	1	6	5	0	0	0	5	0	2	1	7	0
October....	10.3	S.	41	SW.	1	8	5	3	20	16	3	2	5	0	18	8	5	4	3	0	0	1	0	0	0	3	3	0
November..	10.4	NW.	30	NW.	0	11	7	0	8	6	12	4	11	1	8	5	17	9	6	9	3	0	4	4	0	19	1	0
December..	12.0	NW.	41	NW.	1	8	4	5	11	5	8	4	17	0	11	8	12	3	2	9	3	0	3	11	0	30	0	0
Year..	10.8	SE.	54	S.	16	115	84	58	143	103	83	38	105	3	138	109	119	92	71	57	19	4	22	47	13	143	64	1

DUBUQUE, IOWA.

[H_b=698 ft.; h_t=81 ft.; h_r=76 ft.; h_a=96 ft.]

Month.	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.
January....	7.1	NW.	25	NW.	0	12	7	4	8	10	3	3	15	0	7	12	12	7	5	16	7	0	1	28	0	31	0	0
February...	6.8	NW.	21	NW.	0	5	6	4	4	5	6	5	23	0	6	5	18	6	4	12	5	0	0	18	0	29	0	0
March.....	9.2	NW.	32	S.	0	2	0	1	12	17	6	5	18	1	13	8	10	11	10	5	4	1	3	3	0	20	3	1
April.....	8.4	NW.	30	E.	0	10	11	4	6	8	2	4	15	0	7	8	15	16	10	1	1	0	0	0	0	11	3	0
May.....	5.8	E.	20	S.	0	6	9	14	9	7	3	5	9	0	9	11	11	7	5	0	0	0	0	0	0	0	3	0
June.....	5.5	S.	22	NW.	0	6	7	3	8	19	8	2	7	0	7	17	6	10	9	0	0	0	2	0	7	0	9	0
July.....	5.6	NW.	31	N.	0	6	7	3	4	10	9	10	13	0	14	11	6	8	4	0	0	0	0	0	2	0	4	0
August.....	4.1	NW.	24	SE.	0	11	3	0	7	10	5	8	17	1	14	12	5	11	8	0	0	0	4	0	3	0	5	0
September..	5.6	S.	24	NW.	0	8	4	2	5	21	6	4	10	0	15	8	7	6	5	0	0	0	1	0	0	0	3	0
October....	5.0	S.	22	N.	0	10	0	0	4	33	5	1	9	0	16	6	9	8	7	1	0	0	5	0	0	2	4	0
November..	5.8	NW.	23	NW.	0	6	1	1	7	16	7	3	19	0	4	8	18	10	7	8	3	0	5	5	0	14	0	0
December..	7.1	NW.	27	NW.	0	8	2	6	5	11	3	7	20	0	4	10	17	8	5	14	5	0	0	10	0	25	2	0
Year..	6.3	NW.	32	S.	0	90	57	42	79	167	63	57	175	2	116	116	134	108	79	57	25	1	21	64	12	132	36	1

DULUTH, MINN.

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

Month.	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.
January....	13.2	NW.	50	NW.	3	4	8	5	3	2	6	14	19	1	14	5	12	13	9	15	13	0	1	29	0	31	0	0
February...	12.7	NW.	48	NW.	2	1	7	2	1	2	11	15	19	0	10	10	9	10	7	9	10	0	0	29	0	29	0	0
March.....	16.0	NE.	57	NW.	7	4	22	0	0	4	11	12	9	0	15	4	12	11	8	12	7	0	3	14	0	29	3	3
April.....	15.5	NE.	62	NW.	3	9	22	3	0	0	1	9	16	0	13	7	10	8	6	7	3	0	4	6	0	24	0	3
May.....	11.1	NE.	49	NW.	3	4	33	2	2	0	5	6	10	0	15	8	8	8	7	0	0	0	4	0	0	3	4	2
June.....	10.8	NE.	47	NE.	2	3	32	4	0	3	1	9	8	0	10	9	11	12	11	0	0	0	7	0	0	0	8	1
July.....	10.9	NE.	38	N.	0	5	21	4	0	1	7	13	11	0	16	9	6	7	6	0	0	0	3	0	0	0	6	0
August.....	9.6	NE.	29	NW.	0	3	30	2	2	1	6	9	9	0	18	5	8	5	3	0	0	0	3	0	0	0	4	0
September..	11.6	NE.	39	W.	0	3	23	6	1	1	9	10	7	0	15	6	9	7	6	2	0	0	2	0	0	1	3	5
October....	12.2	NE.	37	W.	0	2	17	3	1	1	18	9	11	0	15	3	13	9	6	1	1	0	6	0	0	4	4	1
November..	13.5	SW.	42	NW.	6	1	11	1	4	3	12	12	16	0	5	10	15	10	4	11	7	0	0	12	0	24	0	0
December..	13.4	NW.	50	NW.	6	2	6	5	6	4	5	12	22	0	5	5	21	8	6	14	7	0	3	20	0	31	0	0
Year..	12.5	NE.	62	NW.	32	41	232	37	20	22	92	130	157	1	151	81	134	108	79	71	48	0	36	110	0	176	32	15

Annual meteorological summary for the year ending December 31, 1920—Continued.

EASTPORT, ME.

[ϕ=44° 54′ N.; λ=66° 59′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.986	30.800	29.062	10.2	13.3	13.5	19.6	3.4	11.5	39	−19	3	8	9	60	76	76	0.058	0.068	0.068	2.07	0.66	6.1	5.6	4.1	5.9
February	29.815	30.935	28.270	20.1	23.3	23.3	27.3	14.9	21.1	42	−15	14	19	19	75	82	82	.095	.111	.110	6.40	2.37	7.0	7.2	5.4	7.1
March	29.789	30.600	28.664	29.1	33.2	32.1	37.5	23.3	30.4	54	−4	22	23	25	76	67	76	135	.132	.145	4.36	1.51	6.7	6.0	4.1	6.4
April	29.690	30.096	28.940	36.4	40.1	37.1	43.6	31.9	37.8	62	23	28	29	30	72	66	75	.158	.159	.166	4.21	1.23	5.8	7.2	6.3	7.1
May	29.970	30.310	29.540	46.0	50.9	47.0	54.8	39.3	47.0	74	30	38	38	38	76	64	74	.235	.230	.235	1.26	.81	5.7	5.9	6.1	6.2
June	29.841	30.250	29.480	54.9	59.2	53.4	63.0	46.7	54.8	78	42	48	47	47	78	67	79	.335	.334	.319	1.95	.69	5.9	5.5	6.0	6.0
July	29.839	30.170	29.280	58.9	64.8	58.8	68.9	50.9	59.9	79	47	53	53	52	82	69	81	.403	.409	.399	1.23	.46	4.3	4.5	3.4	6.1
August	29.982	30.320	29.470	59.2	64.8	59.8	68.9	52.8	60.8	83	49	56	58	56	89	79	88	.444	.479	.454	2.10	1.51	4.1	5.3	3.3	6.0
September	29.875	30.290	29.450	54.2	59.6	55.2	62.6	49.4	56.0	85	38	50	51	51	88	76	87	.372	.387	.384	3.38	.95	5.5	7.0	4.9	6.8
October	29.910	30.297	29.510	50.2	56.0	51.4	59.3	45.3	52.3	68	37	43	45	44	79	70	79	.292	.315	.303	2.18	1.47	5.3	4.6	4.0	5.1
November	29.994	30.492	29.010	33.8	37.0	35.1	40.7	29.0	34.8	58	19	28	28	28	78	70	74	.163	.161	.157	2.52	.47	6.7	6.9	4.7	6.7
December	29.794	30.365	28.840	26.3	28.8	27.8	33.1	21.9	27.5	52	−7	19	22	22	73	75	79	.120	.132	.133	3.31	.78	7.0	6.8	5.3	7.1
Year	29.874	30.935	28.270	39.9	44.2	41.2	48.3	34.1	41.2	85	−19	34	35	35	78	72	79	.234	.243	.239	34.97	2.37	5.8	6.0	4.8	6.4

ELKINS, W. VA.

[ϕ=38° 53′ N.; λ=79° 49′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.069	28.453	27.440	25.1	30.1	28.1	38.0	18.5	28.2	64	−3	22	24	22	86	76	79	0.132	0.138	0.134	4.66	1.21	8.8	7.6	7.4	7.9
February	27.923	28.464	27.570	24.9	31.2	29.4	36.6	21.0	28.8	63	0	21	24	23	86	75	77	.121	.134	.133	3.10	.43	8.0	8.0	7.8	8.1
March	27.962	28.312	27.310	33.6	45.6	42.6	52.1	28.5	40.3	72	7	27	26	30	79	51	63	.159	.152	.177	4.57	1.73	5.0	5.1	5.4	5.2
April	27.787	28.170	27.310	42.8	51.7	48.7	58.3	36.0	47.2	82	20	35	35	36	75	58	65	.216	.221	.230	5.45	1.32	6.8	7.2	7.1	7.4
May	28.022	28.411	27.650	51.0	64.1	60.4	68.3	43.8	56.0	84	29	44	40	42	78	45	54	.299	.264	.289	2.19	1.32	5.2	6.2	6.1	6.1
June	28.013	28.356	27.560	59.7	71.4	66.6	75.0	53.5	64.2	84	41	55	54	57	85	57	72	.440	.434	.473	3.33	1.28	5.9	6.7	6.5	6.9
July	28.031	28.267	27.690	60.9	74.1	68.5	77.7	55.0	66.4	87	43	57	56	60	89	56	76	.476	.464	.529	5.27	1.74	5.0	6.0	5.4	6.5
August	28.062	28.220	27.880	63.0	73.6	68.0	77.2	59.0	68.1	85	46	60	60	63	92	65	84	.534	.531	.575	3.33	.90	8.2	7.6	7.8	8.0
September	28.029	28.233	27.580	56.0	71.1	62.7	75.1	51.8	63.4	83	40	54	53	57	93	54	81	.420	.411	.465	3.35	1.43	4.5	5.1	4.3	5.7
October	28.129	28.310	27.640	42.2	63.6	52.5	68.2	39.2	53.7	82	24	40	43	47	93	51	82	.255	.290	.332	1.07	.75	2.6	4.3	2.9	4.0
November	28.066	28.440	27.550	34.2	43.5	39.7	47.8	30.8	39.3	70	8	30	31	33	85	65	77	.174	.182	.193	3.72	1.40	6.8	6.6	5.2	6.8
December	27.924	28.300	27.400	30.2	36.3	34.0	42.4	24.8	33.6	61	7	25	27	26	82	70	73	.146	.152	.145	2.78	.57	8.5	8.3	6.7	8.2
Year	28.001	28.464	27.310	43.6	54.7	50.1	59.7	38.5	49.1	87	−3	39	39	41	85	60	74	.281	.281	.306	43.32	1.74	6.3	6.6	6.0	6.7

ELLENDALE, N. DAK.

[ϕ=45° 59′ N.; λ=98° 34′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.614	29.190	28.040	2.8	....	8.2	15.1	−2.6	6.2	38	−27	0	....	5	86	....	87	0.046	....	0.061	0.65	0.23	7.1	....	6.5	7.1
February	28.538	29.179	27.910	11.5	....	19.6	25.5	6.3	15.9	38	−17	8	....	15	85	....	79	.065	....	.090	.23	.08	6.3	....	5.9	7.1
March	28.244	28.911	27.030	18.2	....	30.9	37.2	15.2	26.2	66	−19	15	....	23	86	....	72	.102	....	.137	.42	.17	4.9	....	4.8	5.3
April	28.374	28.740	27.820	26.8	....	40.0	44.1	23.4	33.8	57	4	23	....	23	85	....	52	.130	....	.130	1.48	.76	6.1	....	5.7	6.3
May	28.469	28.874	27.900	48.2	....	61.6	66.1	41.6	53.8	84	32	41	....	42	77	....	51	.266	....	.270	2.54	.65	5.8	....	6.5	6.4
June	28.410	28.700	28.050	58.1	....	67.8	72.2	52.5	62.4	87	39	54	....	55	87	....	67	.429	....	.458	3.45	.65	6.0	....	6.7	6.9
July	28.463	28.686	28.080	60.5	....	74.3	78.9	56.0	67.4	98	49	57	....	60	90	....	64	.476	....	.539	2.63	1.01	4.3	....	4.3	5.3
August	28.448	28.700	27.946	56.5	....	76.4	82.5	51.3	66.9	93	37	53	....	55	87	....	50	.405	....	.452	.74	.25	2.9	....	2.9	3.6
September	28.359	28.850	27.840	51.3	....	64.2	72.2	48.2	60.2	91	26	48	....	53	88	....	68	.347	....	.415	3.19	.89	4.1	....	4.8	6.0
October	28.377	28.810	27.987	41.1	....	53.1	64.5	37.3	50.9	89	16	36	....	40	82	....	64	.224	....	.266	.81	.39	4.8	....	4.0	5.1
November	28.548	29.100	28.040	24.1	....	30.8	37.0	20.8	28.9	59	2	21	....	25	86	....	77	.116	....	.135	.42	.39	6.7	....	5.7	7.0
December	28.340	28.970	27.810	13.9	....	19.9	27.2	9.5	18.4	47	−22	11	....	16	89	....	84	.080	....	.102	.20	.11	4.4	....	3.8	6.4
Year	28.432	29.190	27.030	34.4	....	45.6	51.9	30.0	40.9	98	−27	31	....	34	86	....	68	.224	....	.255	16.76	1.01	5.3	...	5.1	6.0

EL PASO, TEX.

[ϕ=31° 47′ N.; λ=106° 30′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	26.277	26.580	25.891	37.4	48.2	50.1	54.5	34.5	44.5	68	20	30	32	31	75	56	52	0.168	0.181	0.177	1.06	0.22	3.5	4.6	3.9	4.7
February	26.201	26.520	25.990	45.2	58.0	60.5	63.6	43.2	53.4	75	31	35	34	31	68	44	37	.206	.206	.183	.83	.67	3.7	4.6	5.3	4.7
March	26.106	26.560	25.690	43.2	59.6	63.3	66.6	40.5	53.6	79	24	25	22	18	49	25	19	.133	.118	.097	.22	.11	2.1	3.8	3.7	3.6
April	26.023	26.270	25.680	48.3	66.4	70.0	73.1	47.1	60.1	86	36	26	21	15	43	18	13	.139	.110	.087	.03	.03	.9	2.2	2.2	2.1
May	26.078	26.280	25.820	61.0	80.4	83.5	86.9	59.3	73.1	95	52	38	32	27	46	20	15	.251	.201	.167	.03	.03	1.9	1.8	3.3	2.6
June	26.142	26.270	25.950	66.5	84.6	85.0	90.3	64.5	77.4	100	57	51	47	42	61	30	28	.387	.345	.295	.99	.55	2.9	2.2	4.4	3.4
July	26.209	26.390	26.027	72.5	88.2	90.2	94.4	70.7	82.6	100	58	54	50	46	55	29	24	.431	.376	.328	.84	.52	2.4	1.4	3.5	2.5
August	26.196	26.380	26.000	68.2	81.3	83.3	87.3	66.6	77.0	98	60	57	54	52	70	42	38	.473	.425	.395	1.33	.73	5.0	3.9	5.0	4.9
September	26.188	26.450	25.973	65.2	82.0	82.2	86.7	63.5	75.1	92	52	50	48	45	59	32	30	.369	.341	.311	.31	.18	2.3	2.2	2.9	3.0
October	26.172	26.500	25.860	52.9	70.1	70.5	75.5	50.8	63.2	88	35	36	37	33	55	34	28	.221	.230	.190	.57	.50	1.5	2.6	3.3	2.7
November	26.280	26.620	26.010	42.1	58.4	58.6	63.6	39.5	51.6	75	24	32	32	32	68	39	38	.183	.192	.184	T.	T.	3.6	2.6	2.7	2.9
December	26.190	26.700	25.820	33.4	49.7	51.1	56.8	30.1	43.4	71	19	18	17	18	54	27	25	.097	.095	.094	T.	T.	.8	1.5	1.1	1.5
Year	26.172	26.700	25.680	53.0	68.9	70.7	74.9	50.9	62.9	100	19	38	36	32	59	33	29	.255	.235	.209	6.21	.73	2.6	2.8	3.4	3.2

Annual meteorological summary for the year ending December 31, 1920—Continued.

EASTPORT, ME.

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

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	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	13.5	NW.	61	E.	1	10	5	2	2	1	8	20	14	0	9	10	12	14	11	17	14	0	1	26	0	31	0	0
February	13.9	W.	54	NE.	5	7	7	4	1	6	11	10	12	0	7	5	17	17	15	19	17	0	0	23	0	29	0	0
March	13.5	W.	56	NE.	3	2	4	2	6	11	16	13	8	0	8	7	16	16	12	8	8	0	5	7	0	21	0	1
April	13.1	W.	49	E.	3	10	4	11	4	4	9	10	8	0	5	7	18	14	14	8	8	0	2	0	0	13	1	1
May	8.6	S.	42	SE.	1	3	12	5	2	13	18	4	5	0	8	9	14	5	3	2	1	0	5	0	0	2	1	0
June	10.3	S.	50	NE.	1	1	10	7	5	17	12	2	6	0	6	12	12	10	7	0	0	0	4	0	0	0	3	0
July	8.6	S.	30	E.	0	0	5	1	0	29	11	10	6	0	7	12	12	11	7	0	0	0	17	0	0	0	2	0
August	6.9	S.	28	E.	0	3	6	1	2	23	18	1	7	1	10	10	11	10	7	0	0	0	19	0	0	0	3	0
September	8.9	S.	34	NE.	0	5	5	5	2	13	13	7	10	0	6	8	16	14	11	0	0	0	7	0	0	0	3	2
October	10.4	S.	36	S.	0	3	2	0	2	17	14	8	16	0	13	10	8	5	5	0	0	0	3	0	0	0	1	0
November	14.1	W.	61	NE.	4	3	9	3	1	3	11	15	15	0	5	10	15	12	12	10	9	2	0	4	0	22	0	0
December	14.7	NW.	51	SE.	4	9	5	6	4	1	5	17	15	0	3	12	16	13	11	12	10	0	0	13	0	26	1	0
Year	11.4	S.	61	E.	22	56	74	47	31	138	146	117	122	1	87	112	167	141	115	76	67	2	63	73	0	144	15	4

ELKINS, W. VA.

[H_b=1,947 ft.; h_t=59 ft.; h_r=52 ft.; h_a=67 ft.]

Month.	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.
January	6.4	W.	30	W.	0	11	6	2	5	9	2	16	11	0	4	5	22	20	14	18	12	0	0	11	0	28	0	0
February	6.6	W.	26	SW.	0	6	3	2	4	7	6	15	15	0	2	9	18	24	18	21	19	0	3	10	0	26	0	0
March	8.0	W.	31	SE.	0	2	3	1	8	11	5	14	11	7	11	9	11	12	8	7	5	0	3	4	0	19	1	1
April	8.0	W.	37	NW.	0	8	3	0	5	10	9	17	7	1	5	5	20	18	17	6	4	0	1	0	0	11	7	0
May	4.8	NW.	28	NW.	0	2	2	5	9	5	6	10	22	1	7	12	12	7	6	0	0	0	3	0	0	4	2	0
June	4.4	W.	25	SW.	0	6	2	3	10	5	7	11	11	5	3	12	15	13	13	0	0	0	8	0	0	0	6	0
July	4.0	W.	22	SW.	0	7	2	1	5	8	9	9	15	6	5	13	13	12	10	0	0	1	15	0	0	0	6	0
August	2.8	SE.	17	W.	0	6	1	2	13	10	8	5	8	9	0	11	20	18	14	0	0	0	9	0	0	0	7	0
September	3.2	NW.	16	SW.	0	7	4	6	8	7	4	7	8	9	10	10	10	10	8	0	0	0	13	0	0	0	7	0
October	3.2	W.	20	S.	0	7	4	4	3	10	3	9	10	12	16	9	6	5	3	1	1	0	22	0	0	4	1	0
November	5.0	W.	28	W.	0	6	7	1	5	10	6	15	7	3	8	5	17	13	12	7	4	0	3	1	0	16	0	0
December	7.2	W.	33	SW.	0	4	3	3	1	7	11	25	7	1	2	8	21	17	15	12	9	0	1	7	0	26	0	0
Year	5.3	W.	37	NW.	0	72	40	30	76	99	76	153	132	54	73	108	185	169	138	72	54	1	81	33	0	134	37	1

ELLENDALE, N. DAK.

[H_b=1,457 ft.; h_t=10 ft.; h_r=3 ft.; h_a=56 ft.]

Month.	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.
January	14.3	NW.	55	NW.	3	3	13	5	6	8	5	3	19	0	6	6	19	14	6	19	14	0	0	28	0	31	0	0
February	14.2	NW.	48	N.	4	7	7	2	3	5	10	4	20	0	4	9	16	8	2	14	8	0	3	22	0	29	0	0
March	17.0	NW.	65	NW.	7	7	4	2	5	10	8	4	22	0	11	11	9	5	3	6	3	0	0	10	0	29	0	1
April	15.2	NE.	43	N.	3	14	15	6	4	3	1	0	17	0	7	8	15	8	6	6	3	0	1	4	0	26	0	1
May	16.0	S.	46	E.	9	1	14	6	6	20	2	4	9	0	6	11	14	11	9	0	0	0	0	0	0	1	3	0
June	12.0	NE.	49	N.	2	6	15	7	11	4	2	5	10	0	2	13	15	15	12	0	0	0	1	0	0	0	12	0
July	10.4	NW.	58	NW.	3	10	9	8	7	9	5	3	11	0	7	18	6	10	9	0	0	0	2	0	2	0	9	0
August	12.0	S.	49	SW.	2	4	2	3	9	17	11	4	12	0	16	10	5	7	4	0	0	0	1	0	3	0	3	0
September	11.6	NW.	54	NW.	2	6	10	8	7	9	8	5	6	1	6	11	13	12	7	1	0	1	3	0	1	2	12	2
October	14.4	S.	48	SW.	4	7	5	2	7	16	5	7	13	0	10	12	9	5	4	1	0	0	1	0	0	8	5	0
November	13.4	NW.	48	N.	4	7	7	0	6	11	6	3	20	0	5	7	18	2	1	12	1	0	5	10	0	29	0	2
December	14.5	NW.	54	NW.	3	4	8	0	10	9	3	3	25	0	6	11	14	4	3	8	4	0	9	16	0	31	0	1
Year	13.8	NW.	65	NW.	46	76	109	49	81	121	66	45	184	1	86	127	153	101	66	67	33	1	26	90	6	186	44	7

EL PASO, TEX.

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

Month.	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.
January	11.2	NW.	38	E.	0	1	11	8	11	2	4	10	15	0	13	6	12	8	7	5	5	0	0	2	0	12	1	0
February	11.1	W.	37	W.	0	0	5	5	9	1	1	22	15	0	12	11	6	4	3	0	0	0	0	0	0	2	0	0
March	15.1	W.	55	SW.	13	1	4	4	5	4	10	23	11	0	16	11	4	2	2	0	0	1	0	0	0	3	0	1
April	16.4	W.	57	W.	7	0	2	1	2	0	6	29	20	0	22	8	0	1	0	0	0	0	0	0	0	0	0	0
May	11.5	W.	45	W.	1	0	9	10	8	0	5	19	11	0	23	6	2	1	0	0	0	0	0	0	0	9	0	2
June	10.2	SE.	46	SE.	4	2	8	13	19	1	5	7	5	0	15	14	1	7	4	0	0	0	0	0	19	0	7	0
July	10.7	E.	57	NE.	4	0	14	19	12	0	1	7	9	0	23	8	0	7	6	0	0	0	0	0	28	0	9	0
August	10.4	E.	42	NE.	1	2	7	11	15	3	1	11	12	0	11	14	6	8	5	0	0	0	0	0	13	0	7	0
September	10.2	E.	40	NE.	1	0	7	10	14	3	2	10	14	0	18	12	0	3	2	0	0	0	0	0	6	0	2	0
October	10.9	E.	56	NE.	5	1	10	14	10	1	4	11	11	0	21	7	3	4	3	1	0	0	0	0	0	0	1	0
November	8.7	NW.	39	W.	0	0	7	12	8	2	1	8	22	0	19	7	4	0	0	0	0	0	0	0	0	5	0	0
December	11.1	W.	54	NW.	3	0	3	8	6	2	2	22	18	1	25	5	1	0	0	1	0	0	0	0	0	21	0	0
Year	11.5	W.	57	W.	39	7	87	115	119	19	42	179	163	1	218	109	39	45	32	7	5	1	0	2	75	43	29	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

ERIE, PA.

[ϕ=42° 07′ N.; λ=80° 05′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.405	30.040	28.640	16.0	18.7	18.7	25.1	11.1	18.1	41	−4	12	12	14	80	74	80	0.078	0.080	0.085	1.73	0.53	8.1	8.1	5.5	7.2
February	29.235	29.799	28.720	20.3	24.7	23.8	29.7	16.2	23.0	52	0	16	17	18	80	70	78	.091	.097	.103	1.13	.38	9.0	7.7	6.4	7.2
March	29.172	29.640	28.560	35.0	41.4	39.6	48.0	28.9	38.4	75	9	26	27	27	71	60	63	.156	.167	.155	1.33	.53	5.1	6.0	5.0	4.9
April	29.026	29.541	28.466	41.1	43.8	43.7	49.5	35.4	42.4	79	22	33	33	35	71	68	71	.196	.210	.212	3.09	.91	7.3	7.6	7.1	6.8
May	29.303	29.753	29.051	53.8	57.4	57.7	63.0	47.5	55.2	81	34	41	42	43	64	58	59	.275	.283	.287	1.04	.44	4.7	4.0	5.2	4.1
June	29.222	29.597	28.779	65.8	69.4	67.8	73.7	58.9	66.3	87	49	56	57	57	72	66	69	.460	.480	.469	3.94	.90	5.3	5.6	4.9	4.9
July	29.220	29.460	28.795	67.2	71.4	69.9	76.2	61.0	68.6	86	52	59	59	58	75	68	68	.501	.518	.500	3.84	2.03	5.1	5.5	5.9	5.3
August	29.284	29.510	29.010	68.0	73.4	70.7	77.0	63.6	70.3	86	52	60	61	62	75	66	74	.522	.545	.567	2.35	1.41	5.5	6.3	6.2	5.8
September	29.251	29.503	28.880	62.9	69.6	65.8	73.1	57.8	65.4	84	43	54	55	55	73	61	70	.432	.452	.454	1.75	1.07	3.9	4.1	4.4	4.3
October	29.325	29.620	28.748	55.8	63.1	58.5	66.1	51.6	58.8	82	38	46	48	48	72	62	71	.327	.353	.349	4.67	1.61	5.2	4.9	3.6	5.1
November	29.321	29.760	28.750	39.0	42.6	41.1	45.4	36.1	40.8	61	24	33	34	32	79	71	71	.196	.204	.189	3.72	1.50	8.9	7.9	7.3	8.4
December	29.138	29.690	28.430	32.6	34.8	34.2	38.9	28.5	33.7	58	12	27	27	28	78	73	78	.149	.153	.160	2.12	.62	9.1	8.7	7.9	8.6
Year	29.242	30.040	28.430	46.5	50.9	49.3	55.5	41.4	48.4	87	−4	39	39	40	74	66	71	.282	.295	.294	30.71	2.03	6.4	6.4	5.8	6.0

ESCANABA, MICH.

[ϕ=45° 48′ N.; λ=87° 05′ W.]

January	29.548	30.230	28.824	4.9	12.2	10.0	16.7	−0.2	8.2	32	−14	3	7	7	93	77	88	0.050	0.059	0.061	1.44	0.47	6.8	5.8	4.0	4.9
February	29.377	30.200	28.770	9.7	18.5	16.4	22.8	5.8	14.3	35	−12	8	12	13	93	73	85	.066	.076	.080	.42	.16	6.7	5.1	4.4	4.3
March	29.174	29.725	28.280	21.2	29.1	27.3	34.5	17.8	26.2	47	−9	18	21	22	87	70	81	.113	.120	.128	2.87	1.02	4.6	4.0	4.3	4.2
April	29.157	29.680	28.330	30.8	36.9	35.7	41.5	27.5	34.5	56	10	26	26	27	80	64	70	.144	.143	.149	1.63	.54	5.9	6.7	5.6	4.6
May	29.442	29.840	28.910	46.9	53.9	52.3	58.2	41.5	49.8	72	27	38	38	40	72	58	64	.237	.244	.263	.87	.36	3.5	3.9	3.2	2.3
June	29.325	29.650	29.060	59.0	63.6	64.0	69.4	54.1	61.8	88	43	53	53	54	82	70	72	.417	.420	.435	5.33	1.17	5.2	4.4	4.9	3.7
July	29.309	29.593	28.949	59.9	67.0	65.9	70.8	54.4	62.6	84	46	53	54	55	79	64	70	.411	.426	.448	2.54	.59	3.6	4.7	4.2	3.5
August	29.401	29.680	28.985	59.6	67.0	65.4	71.1	54.8	63.0	78	44	55	57	56	85	71	72	.442	.473	.458	2.11	1.00	4.0	3.5	3.0	3.2
September	29.337	29.740	28.920	55.8	64.0	61.4	67.2	51.7	59.4	76	34	51	53	52	85	68	72	.392	.416	.405	2.95	1.61	3.2	3.6	3.2	2.6
October	29.375	29.820	29.000	48.0	57.3	54.1	60.4	46.1	53.2	76	28	44	45	48	87	67	80	.309	.327	.348	.33	.10	3.8	4.0	3.6	3.9
November	29.424	29.870	28.842	29.9	36.0	34.1	38.5	27.5	33.0	50	13	26	27	28	86	71	78	.150	.154	.161	1.53	.73	7.2	6.3	5.8	6.9
December	29.185	29.740	27.983	25.3	29.2	28.2	32.6	21.8	27.2	49	−7	23	24	23	89	80	81	.131	.135	.134	2.70	1.20	8.0	7.4	8.3	7.8
Year	29.338	30.230	27.983	37.6	44.6	42.9	48.6	33.6	41.1	88	−14	33	35	35	85	69	76	.238	.249	.256	24.72	1.61	5.2	5.0	4.5	4.3

EUREKA, CALIF.

[ϕ=40° 48′ N.; λ=124° 11′ W.]

January	30.128	30.420	29.830	44.0	51.4	51.0	54.3	41.5	47.9	66	32	42	46	46	92	84	84	0.266	0.316	0.312	1.87	0.91	4.8	4.4	5.2	5.2
February	30.075	30.340	29.690	42.0	49.7	50.0	52.1	39.8	46.0	60	32	39	41	43	89	75	77	.239	.264	.277	2.11	1.17	5.3	4.6	5.0	5.1
March	30.005	30.420	29.430	44.2	50.9	49.8	53.1	41.0	47.0	66	33	41	44	42	88	77	76	.258	.285	.274	5.79	1.46	5.0	6.3	6.8	6.3
April	30.050	30.380	29.500	44.4	51.3	51.0	53.6	42.4	48.0	61	37	42	46	45	90	82	80	.263	.310	.296	3.12	.89	5.8	4.6	4.0	4.5
May	30.053	30.200	29.917	46.2	51.6	52.2	54.0	44.6	49.3	59	38	43	45	44	88	80	75	.277	.304	.291	.04	.04	6.6	5.5	2.7	4.9
June	29.980	30.210	29.760	50.5	57.0	56.5	59.7	48.9	54.3	70	42	48	51	51	91	80	82	.334	.373	.375	1.92	1.52	5.6	4.6	5.5	5.2
July	30.050	30.194	29.830	53.5	58.7	58.9	61.2	52.6	56.9	66	49	51	52	52	93	80	80	.376	.394	.396	.13	.10	8.0	6.1	5.3	6.4
August	29.945	30.140	29.770	52.4	57.7	58.3	60.7	51.5	56.1	68	47	50	52	52	94	82	81	.366	.394	.394	.49	.44	7.5	4.5	3.1	5.5
September	29.966	30.164	29.730	53.6	59.9	59.0	62.6	51.7	57.2	74	45	51	54	53	92	81	82	.378	.413	.407	2.47	.88	5.6	6.9	6.8	7.0
October	30.002	30.273	29.681	50.9	58.8	57.3	60.7	48.4	54.6	72	38	48	51	50	89	76	78	.333	.378	.369	4.11	1.16	4.6	5.1	5.7	5.5
November	30.016	30.339	29.636	48.6	55.2	54.2	57.6	44.8	51.2	64	35	45	48	48	88	78	81	.310	.344	.341	6.35	2.42	6.1	6.2	7.2	6.6
December	30.015	30.400	29.570	47.2	52.0	50.8	54.1	42.7	48.4	67	35	44	47	46	88	85	85	.286	.325	.315	10.89	1.71	7.0	8.5	8.3	8.4
Year	30.024	30.420	29.430	48.1	54.5	54.1	57.0	45.8	51.4	74	32	45	48	48	90	80	80	.307	.342	.337	39.29	2.42	6.0	5.6	5.5	5.9

EVANSVILLE, IND.

[ϕ=37° 58′ N.; λ=87° 33′ W.]

January	29.784	30.210	29.090	27.2	33.0	31.9	36.6	24.2	30.4	63	6	24	25	26	88	73	77	0.136	0.148	0.145	3.64	1.52	7.1	6.9	5.0	6.4
February	29.643	30.000	29.240	30.5	38.2	36.9	41.8	28.2	35.0	60	7	26	27	29	83	63	71	.149	.156	.169	.82	.32	6.9	7.1	6.0	6.4
March	29.547	30.060	28.920	41.7	51.2	49.5	55.7	37.6	46.6	79	11	32	35	36	79	56	62	.230	.222	.233	6.10	2.23	4.8	4.8	5.2	5.5
April	29.370	29.760	28.830	48.3	57.1	54.9	62.3	43.3	52.8	79	26	40	42	41	75	58	63	.270	.289	.277	2.93	.90	5.9	7.1	6.0	6.6
May	29.570	29.930	29.270	59.5	70.5	69.0	74.6	56.5	65.6	88	41	51	52	54	74	55	62	.392	.414	.441	5.18	1.51	6.4	5.8	6.4	5.9
June	29.561	29.837	29.161	69.0	79.6	78.2	83.9	64.5	74.2	96	50	60	60	59	74	53	53	.531	.517	.511	3.77	1.57	4.0	5.5	4.4	4.3
July	29.565	29.760	29.280	72.4	83.9	80.8	87.5	68.0	77.8	96	60	64	63	64	76	51	58	.612	.591	.608	2.86	1.60	3.9	5.5	4.4	5.2
August	29.576	29.760	29.400	69.5	81.5	77.2	85.1	66.2	75.6	94	56	64	62	63	82	54	65	.607	.586	.600	6.31	2.17	5.1	5.2	5.1	5.3
September	29.565	29.760	29.380	65.9	78.4	74.2	82.1	63.5	72.8	91	43	60	61	62	81	57	67	.535	.567	.581	3.36	1.33	5.0	5.3	4.8	5.1
October	29.679	30.010	29.150	55.2	72.1	67.0	74.9	53.4	64.2	85	33	47	48	48	75	44	53	.338	.352	.356	1.65	1.10	3.4	3.4	3.2	3.7
November	29.714	30.180	29.260	39.3	49.3	46.3	52.2	37.2	44.7	72	18	32	34	34	76	57	64	.197	.212	.217	1.38	.74	5.3	5.2	5.2	5.7
December	29.558	29.930	28.851	35.2	41.7	40.4	45.3	31.6	38.4	65	8	29	31	32	78	66	72	.175	.187	.192	3.86	1.54	5.9	6.3	5.0	6.3
Year	29.594	30.210	28.830	51.1	61.4	58.9	65.2	47.8	56.5	96	6	44	45	46	78	57	64	.348	.353	.361	41.86	2.23	5.3	5.7	5.1	5.5

Annual meteorological summary for the year ending December 31, 1920—Continued.

ERIE, PA.

[H_b=714 ft.; h_1=130 ft.; h_2=122 ft.; h_3=166 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.	0.01 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	16.2	SW.	60	SE.	6	8	9	1	2	5	14	12	11	0	5	7	19	15	8	24	14	0	0	23	0	31	0	0
February	14.8	NW.	43	SE.	3	2	8	1	3	8	5	15	16	0	3	8	18	14	7	19	14	0	0	16	0	28	0	0
March	18.9	W.	58	SE.	8	2	3	0	7	17	10	13	10	0	9	14	8	11	7	8	5	1	0	6	0	19	1	1
April	17.0	W.	54	W.	7	3	11	3	8	6	7	13	9	0	2	13	15	18	11	9	6	1	0	1	0	10	3	0
May	9.8	NE.	37	W.	0	5	13	5	7	4	6	8	14	0	17	9	5	6	4	1	0	0	1	0	0	0	1	0
June	11.2	W.	41	W.	2	10	7	1	4	8	6	17	7	0	11	13	6	13	10	0	0	0	0	0	0	0	7	0
July	11.6	NW.	43	W.	2	5	5	3	2	12	9	9	17	0	7	16	8	13	7	0	0	0	0	0	0	0	7	0
August	10.7	SE.	35	S.	0	9	11	1	10	13	6	6	6	0	5	17	9	7	5	0	0	0	0	0	0	0	6	0
September	12.3	SE.	37	W.	0	6	7	3	10	9	8	9	8	0	15	7	8	8	6	0	0	0	0	0	0	0	3	0
October	12.7	SW.	38	SW.	0	6	5	1	5	11	19	6	9	0	9	15	7	7	7	1	1	1	0	0	0	0	2	0
November	14.1	SW.	41	SE.	2	1	7	3	8	10	17	2	12	0	3	4	23	16	11	10	5	0	0	1	0	8	0	0
December	19.6	SW.	54	SW.	6	2	2	1	12	10	19	7	9	0	2	3	26	17	12	17	10	0	0	9	0	20	0	0
Year	14.1	NW.	60	SE.	36	59	88	23	78	113	126	117	128	0	88	126	152	145	95	89	55	3	1	56	0	116	30	1

ESCANABA, MICH.

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

Month.	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.	0.01 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.
January	10.3	NW.	33	NW.	0	12	4	1	3	8	11	7	16	0	10	14	7	12	8	20	12	0	0	31	0	31	0	1
February	8.2	N.	26	NE.	0	15	9	0	2	6	11	6	9	0	13	9	7	7	4	15	7	0	1	26	0	29	0	0
March	10.6	S.	38	SW.	0	12	9	4	3	18	6	2	8	0	15	6	10	13	10	9	5	0	6	12	0	26	1	1
April	10.7	N.	40	N.	1	20	9	4	3	4	1	5	14	0	13	7	10	9	6	10	3	0	5	4	0	20	1	3
May	8.7	S.	35	NE.	0	12	12	1	5	23	4	0	5	0	21	8	2	7	5	0	0	0	2	0	0	4	1	2
June	8.5	S.	40	N.	1	12	9	4	3	18	6	4	4	0	14	11	5	13	10	0	0	2	3	0	0	0	8	1
July	9.3	S.	33	N.	0	18	7	1	2	12	10	4	7	1	14	13	4	11	7	0	0	1	0	0	0	0	8	0
August	8.0	S.	33	NE.	0	17	8	0	5	18	7	2	5	0	17	10	4	9	7	0	0	0	2	0	0	0	5	1
September	8.8	S.	34	NE.	0	19	5	2	0	19	7	2	6	0	19	9	2	7	6	0	0	0	2	0	0	0	3	3
October	8.4	S.	31	N.	0	9	4	3	3	21	8	6	8	0	16	7	8	7	4	2	1	0	3	0	0	4	2	0
November	9.4	NW.	29	NE.	0	7	12	1	1	3	12	12	12	0	5	7	18	12	7	8	4	0	1	4	0	17	0	0
December	9.8	NW.	36	N.	0	6	5	1	6	6	7	13	18	0	3	8	20	12	10	18	9	0	4	15	0	25	0	0
Year	9.2	N.	40	N.	2	159	93	22	36	156	90	63	112	1	160	109	97	119	84	82	41	3	29	92	0	156	29	12

EUREKA, CALIF.

[H_b=62 ft.; h_1=73 ft.; h_2=65 ft.; h_3=89 ft.]

Month.	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.	0.01 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.
January	4.7	SE.	37	NW.	0	13	5	9	10	2	9	8	4	2	13	7	11	7	7	0	0	1	9	0	0	0	0	0
February	5.4	SE.	33	N.	0	15	6	6	11	1	4	5	6	4	10	9	10	5	5	0	0	1	2	0	0	0	0	0
March	8.3	SE.	36	N.	0	13	2	6	15	5	9	1	8	3	4	13	14	17	14	0	0	3	0	0	0	0	0	0
April	8.6	N.	36	N.	0	19	5	6	6	4	4	3	9	4	16	4	10	9	7	0	0	0	1	0	0	0	1	0
May	7.5	N.	36	N.	0	28	1	0	9	2	2	3	11	6	9	16	6	2	0	0	0	0	0	0	0	0	0	0
June	8.4	N.	37	N.	0	21	0	2	5	5	8	3	9	7	11	8	11	4	3	0	0	0	2	0	0	0	1	0
July	5.9	N.	19	N.	0	21	2	0	2	1	6	3	22	5	5	15	11	4	1	0	0	0	2	0	0	0	0	0
August	5.3	SW.	30	N.	0	10	0	2	7	5	9	12	12	5	9	13	9	2	2	0	0	0	2	0	0	0	1	0
September	5.2	W.	39	SW.	0	11	2	2	9	6	11	7	7	5	3	10	17	9	7	0	0	0	3	0	0	0	0	0
October	6.7	SE.	34	N.	0	14	3	7	15	5	7	3	3	5	12	5	14	16	11	0	0	1	0	0	0	0	1	0
November	5.8	SE.	34	SE.	0	9	4	6	12	8	9	1	1	10	7	8	15	16	14	0	0	0	0	0	0	0	0	0
December	7.1	SE.	40	NW.	1	8	2	2	19	7	8	1	6	9	2	6	23	23	19	0	0	2	1	0	0	0	1	0
Year	6.6	N.	40	NW.	1	182	32	48	120	51	86	50	98	65	101	114	151	114	90	0	0	8	22	0	0	0	5	0

EVANSVILLE, IND.

[H_b=431 ft.; h_1=139 ft; h_2=135 ft.; h_3=175 ft.]

Month.	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.	0.01 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.
January	11.1	NE.	34	NE.	0	7	16	3	6	2	9	6	13	0	6	13	12	12	8	7	3	0	2	13	0	28	0	0
February	11.7	NW.	34	SW.	0	7	9	6	3	3	9	3	18	0	6	11	12	7	6	8	4	0	1	6	0	19	0	0
March	16.5	SW.	57	SW.	7	2	3	2	7	13	19	6	10	0	9	11	11	12	11	4	2	0	1	3	0	9	7	1
April	15.2	SW.	53	SW.	6	3	7	11	2	7	12	8	10	0	3	13	14	12	9	3	0	0	0	0	0	4	7	0
May	10.7	NE.	37	SW.	0	4	27	9	6	9	4	3	0	0	7	12	12	14	13	0	0	0	0	0	0	0	7	0
June	9.4	SW.	36	SW.	0	4	9	11	1	4	22	7	2	0	12	15	3	8	7	0	0	0	0	0	10	0	5	0
July	9.1	SW.	43	NE.	1	3	16	7	2	4	22	1	7	0	5	24	2	9	9	0	0	0	0	0	12	0	9	0
August	7.6	SW.	46	W.	2	5	16	7	4	9	19	1	1	0	6	19	6	11	10	0	0	1	2	0	5	0	11	0
September	8.9	SW.	36	W.	0	7	6	3	11	13	13	2	5	0	7	17	6	11	8	0	0	0	0	0	2	0	7	0
October	9.0	SW.	36	S.	0	2	9	5	11	15	14	3	3	0	17	10	4	5	4	1	0	0	0	0	0	0	1	0
November	10.6	SW.	29	NW.	0	11	8	6	4	3	16	6	6	0	10	7	13	7	5	3	0	0	1	2	0	7	1	0
December	14.3	SW.	54	W.	3	3	9	3	5	9	15	12	6	0	7	9	15	7	7	6	1	0	0	3	0	13	0	0
Year	11.2	SW.	57	SW.	19	58	35	73	62	91	174	58	81	0	95	161	110	115	97	32	10	1	7	27	29	80	55	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

FORT SMITH, ARK.

[ϕ=35° 22′ N.; λ=94° 24′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.727	30.090	29.130	33.6	41.7	42.5	46.6	31.1	38.8	72	22	29	32	33	84	71	71	0.167	0.191	0.194	3.89	1.48	5.7	6.2	5.5	5.9
February	29.631	30.020	29.250	38.3	48.2	47.8	53.5	34.9	44.2	71	13	33	35	34	80	61	61	.197	.221	.213	.74	.37	5.2	5.4	4.8	5.3
March	29.472	30.150	28.763	44.1	56.5	57.3	62.5	41.5	52.0	81	13	35	38	39	72	52	53	.230	.256	.258	3.90	1.70	5.1	5.1	4.8	5.2
April	29.308	29.632	28.880	51.5	62.8	64.1	69.3	48.3	58.8	88	27	44	48	46	77	60	55	.305	.350	.330	3.40	1.59	5.6	4.7	4.7	4.8
May	29.447	29.730	29.180	65.6	76.5	76.6	81.4	63.0	72.2	91	48	60	61	61	82	60	61	.529	.547	.554	2.12	1.13	5.6	6.3	5.6	5.6
June	29.511	29.710	29.231	69.4	82.7	82.1	86.1	66.1	76.1	95	57	62	63	63	79	53	55	.567	.574	.589	1.71	.62	4.2	5.9	4.1	4.8
July	29.518	29.720	29.280	74.6	86.3	85.7	91.3	71.5	81.4	102	64	69	69	69	83	57	59	.708	.710	.710	1.92	1.18	4.3	4.8	3.8	4.0
August	29.507	29.700	29.200	70.3	83.3	82.3	88.5	68.4	78.4	96	61	66	67	66	87	58	60	.645	.663	.653	1.68	.61	6.1	5.5	5.6	5.6
September	29.495	29.780	29.170	68.2	81.1	79.3	85.6	66.1	75.8	97	42	64	63	64	87	57	61	.614	.665	.615	2.31	.90	4.1	4.9	3.9	4.3
October	29.573	29.880	29.260	56.8	71.1	68.3	74.4	55.1	64.8	88	36	52	55	54	86	59	63	.412	.451	.437	4.74	1.75	4.8	5.4	3.9	4.9
November	29.686	30.170	29.320	40.9	52.0	50.5	56.1	37.7	46.9	74	21	36	36	37	81	56	60	.227	.239	.237	.42	.31	4.7	5.6	4.3	5.4
December	29.527	29.980	28.960	37.0	46.4	46.0	52.0	34.1	43.0	73	18	31	33	32	78	60	59	.179	.202	.192	2.14	1.17	4.9	5.2	4.9	4.8
Year	29.534	30.170	28.763	54.2	65.7	65.2	70.6	51.5	61.0	102	13	48	50	50	81	59	60	.398	.417	.415	28.97	1.75	5.0	5.4	4.7	5.0

FORT WAYNE, IND.

[ϕ=41° 05′ N.; λ=85° 10′ W.]

January	29.291	29.780	28.560	14.9	21.6	20.0	25.3	10.9	18.1	38	−3	11	13	13	81	68	71	0.073	0.081	0.079	0.90	0.27	6.8	5.3	5.9	5.8
February	29.128	29.600	28.590	21.6	28.1	28.1	32.1	19.0	25.6	52	−4	17	18	21	80	63	72	.098	.104	.115	.20	.09	7.3	7.3	7.7	7.2
March	29.021	29.490	28.270	35.0	44.4	43.2	49.4	36.9	40.2	73	7	27	26	30	72	51	60	.159	.160	.181	2.55	.80	5.2	4.8	4.4	5.5
April	28.899	29.370	28.380	39.6	45.9	45.6	51.2	34.7	43.0	77	20	33	34	33	75	65	63	.196	.213	.205	4.68	1.44	7.5	8.3	6.5	8.1
May	29.161	29.554	28.900	53.0	64.3	62.8	68.1	48.7	58.4	83	35	42	41	43	68	46	50	.288	.283	.297	2.01	.78	5.2	5.5	5.5	5.4
June	29.091	29.409	28.570	65.5	77.0	73.9	80.3	59.9	70.1	92	50	56	55	56	73	48	57	.468	.453	.475	3.35	.94	4.8	5.4	4.7	5.1
July	29.097	29.315	28.760	65.6	77.8	74.1	80.9	59.9	70.4	94	54	58	60	58	78	56	59	.497	.535	.492	6.28	1.98	3.5	5.1	4.7	4.5
August	29.138	29.360	28.900	64.0	75.2	73.3	78.8	60.1	69.4	91	47	58	57	59	81	55	62	.492	.485	.515	3.08	1.62	4.6	5.8	4.5	5.2
September	29.109	29.382	28.820	59.1	73.9	69.4	76.9	55.9	66.4	89	40	54	53	55	82	49	61	.428	.420	.444	1.69	1.17	3.9	4.4	3.7	4.4
October	29.196	29.530	28.590	51.7	67.5	62.4	70.5	49.2	59.8	83	30	44	44	47	76	45	60	.302	.301	.337	2.22	1.26	3.6	4.5	3.4	4.3
November	29.193	29.590	28.670	36.1	42.5	40.5	46.0	33.4	39.7	63	15	32	34	33	83	73	76	.188	.207	.202	2.42	.64	7.2	7.7	7.0	7.5
December	29.014	29.470	28.240	29.8	33.5	33.3	37.2	26.0	31.6	57	−8	24	26	28	79	73	78	.142	.153	.165	3.35	1.09	8.5	8.3	7.8	8.1
Year	29.112	29.780	28.240	44.7	54.3	52.2	58.1	40.7	49.4	94	−8	38	38	40	77	58	64	.278	.283	.292	32.73	1.98	5.7	6.0	5.5	5.9

FORT WORTH, TEX.

[ϕ=32° 43′ N.; λ=97° 15′ W.]

January	29.466	29.800	29.034	38.2	45.5	47.1	52.0	34.0	43.0	77	23	35	37	38	87	75	73	0.209	0.230	0.239	3.48	1.12	6.2	6.9	6.3	6.5
February	29.378	29.780	29.010	44.8	53.6	53.8	60.4	40.5	50.4	78	22	39	41	41	80	65	63	.252	.275	.269	.76	.40	5.3	5.6	6.1	5.6
March	29.219	29.910	28.570	48.7	59.8	62.9	67.5	45.3	56.4	84	20	38	41	38	68	53	44	.261	.287	.262	4.42	4.33	4.8	4.5	4.2	4.7
April	29.057	29.410	28.520	54.5	67.7	71.1	76.1	51.2	63.6	92	31	44	45	42	71	48	40	.310	.325	.299	.51	.38	4.9	4.3	2.8	3.8
May	29.179	29.430	28.910	66.7	76.0	77.9	83.0	63.8	73.4	97	50	63	64	64	89	68	64	.582	.598	.599	8.66	2.46	5.4	5.7	4.9	5.5
June	29.247	29.430	28.910	70.7	82.2	83.8	88.2	68.4	78.3	94	62	66	65	63	86	57	52	.645	.616	.589	2.33	1.50	4.6	4.8	3.3	4.4
July	29.259	29.450	29.001	74.4	86.7	88.1	93.2	72.3	82.8	98	64	70	68	67	85	56	52	.725	.698	.673	3.49	1.10	4.9	4.5	3.2	4.2
August	29.249	29.460	28.960	71.6	80.7	81.8	86.1	70.1	78.1	100	64	68	68	68	90	67	66	.699	.692	.702	4.22	1.28	6.7	7.0	5.8	6.6
September	29.238	29.550	28.940	69.4	82.0	81.1	87.7	68.1	77.9	97	47	65	66	66	87	61	61	.639	.663	.651	2.76	.89	3.9	3.8	2.9	3.6
October	29.306	29.580	28.940	59.9	72.2	70.0	77.4	57.9	67.6	87	40	56	54	56	86	57	64	.458	.444	.463	6.52	2.93	5.4	5.1	4.1	4.8
November	29.455	29.900	29.090	45.6	55.1	55.2	61.0	42.8	51.9	77	24	40	41	42	80	63	61	.270	.290	.289	1.70	1.13	5.1	4.8	3.4	4.6
December	29.301	29.820	28.750	40.9	51.2	51.7	58.9	37.7	48.3	77	20	34	36	40	76	56	65	.199	.221	.264	1.31	.67	4.6	3.8	3.5	3.8
Year	29.280	29.910	28.520	57.1	67.7	68.7	74.3	54.3	64.3	100	20	52	52	52	82	60	59	.437	.445	.442	40.16	4.33	5.2	5.1	4.2	4.8

FRESNO, CALIF.

[ϕ=36° 43′ N.; λ=119° 49′ W.]

January	29.781	30.020	29.550	41.7	52.8	55.1	57.4	38.9	48.2	72	26	36	38	37	80	60	54	0.218	0.232	0.227	0.69	0.69	4.3	5.0	4.9	4.6
February	29.728	29.970	29.490	44.8	57.2	59.6	61.9	42.6	52.2	70	37	41	44	41	87	61	54	.258	.287	.264	1.54	.74	2.8	3.8	3.5	3.3
March	29.672	30.110	29.250	45.0	57.5	59.5	62.4	43.0	52.7	75	36	41	41	40	86	55	52	.269	.261	.258	3.98	1.46	3.2	4.3	3.0	3.5
April	29.626	29.840	29.410	48.4	66.5	69.9	71.8	47.1	59.4	89	38	41	37	36	75	36	32	.256	.226	.221	.49	.27	2.8	2.2	2.1	1.8
May	29.534	29.750	29.230	54.2	76.7	82.2	83.3	53.0	68.2	98	42	38	36	31	58	25	17	.237	.221	.175	.00	.00	.7	1.6	1.5	1.0
June	29.508	29.770	29.290	60.9	82.0	88.2	89.6	60.2	74.9	110	52	44	43	37	56	27	19	.298	.285	.233	.03	.02	1.6	2.0	1.5	1.5
July	29.577	29.760	29.390	63.3	87.9	95.0	96.2	62.5	79.4	107	55	45	43	37	53	22	14	.303	.282	.225	.00	.00	.3	.5	.5	.3
August	29.503	29.770	29.310	67.0	89.1	96.5	97.4	65.6	81.5	110	56	47	47	42	50	26	18	.322	.330	.279	.15	.15	.6	.7	.3	.5
September	29.564	29.770	29.410	59.4	80.5	84.9	86.6	57.7	72.2	100	49	45	44	42	62	30	24	.307	.294	.274	T.	T.	.7	.8	1.1	.8
October	29.641	29.870	29.272	51.1	66.6	68.4	71.5	48.5	60.0	87	39	43	42	41	75	43	39	.282	.275	.261	.84	.29	1.4	2.2	2.1	1.9
November	29.761	29.950	29.518	46.9	60.1	60.0	63.7	44.4	54.0	72	37	42	43	44	84	56	53	.274	.287	.293	.99	.64	2.9	4.4	4.2	3.9
December	29.769	30.030	29.399	42.8	51.6	52.1	54.9	40.1	47.5	64	32	40	42	42	89	70	69	.244	.267	.264	1.07	.24	4.3	5.7	5.1	5.3
Year	29.639	30.110	29.230	52.2	69.0	72.6	74.7	50.3	62.5	110	26	42	42	39	71	43	38	.272	.271	.248	9.78	1.46	2.1	2.8	2.5	2.4

Annual meteorological summary for the year ending December 31, 1920—Continued.

FORT SMITH, ARK.

[H_b=457 ft.; h_t=79 ft.; h_r=72 ft.; h_a=94 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	E.	24	E.	0	12	6	22	1	2	5	6	7	1	14	17	0	10	7	5	2	0	1	2	0	17	0	0
February	8.0	NW.	29	N.	0	13	3	11	2	5	5	7	12	0	10	8	11	6	5	2	1	0	1	0	0	8	0	0
March	10.6	E.	48	SW.	3	4	2	24	8	6	5	2	11	0	11	9	11	10	8	2	1	2	0	1	0	7	6	0
April	11.3	E.	44	W.	3	2	1	24	2	8	9	7	7	0	12	9	9	7	7	1	0	1	0	0	0	2	8	0
May	7.4	E.	34	E.	0	5	4	31	4	9	5	3	1	0	9	11	11	8	7	0	0	0	0	0	2	0	9	0
June	6.6	E.	25	S.	0	5	4	31	6	9	3	0	2	0	13	7	10	8	7	0	0	0	1	0	14	0	4	0
July	5.8	E.	36	NW.	0	4	3	26	4	8	8	2	5	2	15	11	5	11	7	0	0	0	0	0	18	0	10	0
August	6.1	E.	26	W.	0	5	3	33	3	6	3	2	6	1	8	13	10	9	7	0	0	0	0	0	13	0	9	0
September	6.8	E.	26	W.	0	8	5	32	4	7	2	1	1	0	15	9	6	7	4	0	0	0	1	0	12	0	1	0
October	7.9	E.	24	SE.	0	2	5	35	6	2	3	4	4	1	14	5	12	8	7	0	0	0	0	0	0	0	5	0
November	8.2	E.	34	SW.	0	10	0	26	4	3	7	3	7	0	11	8	11	6	5	1	0	0	0	0	0	8	0	0
December	9.6	E.	50	SW.	3	3	3	25	4	2	6	12	7	0	16	3	12	7	6	1	0	0	1	2	0	12	3	0
Year	7.9	E.	50	SW.	9	73	39	320	48	67	61	49	70	5	148	110	108	97	77	12	4	3	5	5	59	54	55	0

FORT WAYNE, IND.

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

Month.	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.
January	11.3	W.	32	W.	0	4	14	6	1	3	15	17	2	0	13	4	14	12	7	15	10	0	0	22	0	31	0	0
February	9.1	W.	31	NE.	0	2	13	3	3	2	11	13	11	0	4	9	16	8	1	13	7	0	0	11	0	28	0	0
March	14.0	SW.	44	S.	2	3	0	4	8	11	17	9	10	0	10	9	12	12	9	7	4	0	3	4	0	16	2	1
April	13.0	SW.	48	SW.	1	5	7	10	4	6	11	11	6	0	2	7	21	18	14	7	5	2	0	1	0	11	3	0
May	8.6	NE.	30	NE.	0	6	18	12	3	8	4	5	6	0	9	12	10	7	7	0	0	0	0	0	0	0	1	0
June	8.0	SW.	34	NW.	0	8	3	10	4	4	17	10	4	0	9	14	7	8	7	0	0	0	0	0	7	0	5	0
July	7.8	SW.	34	SW.	0	5	7	2	7	4	20	8	9	0	12	15	4	11	7	0	0	0	1	0	1	0	9	0
August	5.8	E.	30	SW.	0	9	17	14	1	6	6	1	6	2	10	11	10	8	5	0	0	0	1	0	1	0	5	0
September	7.0	S.	29	SW.	0	5	11	5	6	10	9	6	7	1	13	10	7	6	4	0	0	0	1	0	0	0	4	0
October	8.2	SW.	30	S.	0	5	2	6	1	13	23	7	4	1	16	7	8	7	6	2	0	0	1	0	0	1	2	0
November	9.4	SW.	31	SW.	0	1	3	8	1	7	18	14	8	0	4	8	18	14	10	8	4	0	0	3	0	13	0	0
December	12.2	W.	48	SW.	1	2	0	6	8	9	12	22	3	0	2	9	20	11	9	12	4	0	1	10	0	23	0	0
Year	9.5	SW.	48	SW.	4	55	95	86	47	83	163	123	76	4	104	115	147	122	86	64	34	2	8	51	9	123	31	1

FORT WORTH, TEX.

[H_b=670 ft.; h_t=106 ft.; h_r=51 ft.; h_a=114 ft.]

Month.	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.
January	8.5	NW.	28	NW.	0	8	4	6	8	4	8	10	14	0	9	5	17	8	6	3	0	0	2	0	0	15	0	0
February	9.2	NW.	33	NW.	0	11	10	3	4	8	4	5	13	0	9	9	11	3	3	0	0	0	1	0	0	3	0	0
March	13.9	S.	58	W.	3	4	4	2	9	19	11	2	11	0	14	7	10	5	3	0	0	1	1	0	0	6	4	2
April	14.0	NW.	46	NW.	3	4	5	7	9	9	8	5	13	0	14	10	6	4	3	0	0	0	0	0	4	2	3	0
May	10.3	S.	50	NW.	4	5	5	8	4	18	11	1	10	0	9	11	11	10	10	0	0	1	0	0	5	0	11	0
June	9.4	S.	36	NW.	0	4	3	6	18	14	10	0	5	0	13	13	4	7	6	0	0	0	0	0	13	0	6	0
July	8.1	S.	50	NW.	2	3	5	8	7	15	16	6	2	0	14	15	2	6	6	0	0	1	0	0	26	0	10	0
August	7.7	S.	30	NW.	0	1	6	8	11	14	11	2	7	2	3	15	13	12	10	0	0	0	0	0	9	0	9	0
September	8.9	S.	40	SE.	1	5	8	6	16	7	13	2	2	1	17	9	4	6	6	0	0	0	0	0	14	0	8	0
October	10.4	SE.	30	S.	0	1	3	2	32	8	6	2	7	1	11	12	8	9	7	0	0	0	1	0	0	0	6	0
November	9.2	NW.	28	W.	0	6	6	4	9	10	6	7	12	0	15	5	10	5	4	2	1	0	0	0	0	6	0	0
December	11.1	NW.	35	NW.	0	3	3	5	11	7	9	8	16	0	17	7	7	5	5	0	0	1	0	0	0	5	3	0
Year	10.1	S.	58	W.	13	55	62	65	138	133	113	50	112	4	145	118	103	80	69	5	1	4	5	0	71	37	60	2

FRESNO, CALIF.

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

Month.	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.
		*																										
January	4.1	NW.	27	NW.	0	2	4	9	6	2	6	5	19	9	15	4	12	1	1	0	0	0	4	0	0	6	0	0
February	4.6	NW.	23	NW.	0	3	7	12	9	0	4	2	20	1	17	6	6	6	5	0	0	1	3	0	0	0	1	0
March	6.7	NW.	42	NW.	2	3	5	8	11	1	1	4	27	2	16	9	6	8	7	0	0	1	0	0	0	0	1	1
April	8.5	NW.	38	NW.	0	3	0	8	3	0	1	2	42	1	25	1	4	2	2	0	0	0	0	0	0	0	0	0
May	10.0	NW.	26	NW.	0	4	1	1	0	0	0	1	54	1	27	4	0	0	0	0	0	0	0	0	8	0	0	0
June	9.3	NW.	29	NW.	0	1	2	4	1	0	1	3	47	1	23	6	1	2	0	0	0	0	0	0	11	0	0	0
July	9.2	NW.	26	NW.	0	1	1	1	2	0	0	4	53	0	30	1	0	0	0	0	0	0	0	0	26	0	1	0
August	7.7	NW.	21	NW.	0	1	4	1	3	1	2	4	46	0	28	3	0	1	1	0	0	0	0	0	26	0	1	0
September	8.0	NW.	28	NW.	0	0	1	0	1	0	4	2	50	2	27	3	0	0	0	0	0	0	0	0	9	0	0	0
October	5.3	NW.	25	NW.	0	3	3	9	5	2	1	3	33	3	24	5	2	6	4	0	0	0	0	0	0	0	0	0
November	5.2	NW.	25	SE.	0	4	3	17	3	0	3	0	24	6	13	13	4	5	3	0	0	0	3	0	0	0	0	0
December	5.5	NW.	31	NW.	0	5	5	7	9	3	2	2	22	7	12	6	13	13	6	0	0	0	4	0	0	0	1	0
Year	7.0	NW.	42	NW.	2	30	36	77	53	9	25	32	437	33	257	61	48	44	29	0	0	2	14	0	80	6	5	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

GALVESTON, TEX.

[ϕ=29° 18′ N.; λ=94° 50′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.124	30.410	29.740	51.0	54.3	55.4	59.8	48.1	54.0	73	35	48	48	49	89	82	81	0.351	0.361	0.369	7.09	2.61	6.7	6.8	6.4	6.8
February	30.061	30.420	29.620	56.2	60.0	59.7	63.9	53.8	58.8	74	40	52	51	51	86	73	75	.403	.392	.398	1.80	1.29	5.7	5.3	5.8	5.4
March	29.973	30.520	29.390	57.2	61.6	60.9	65.1	54.9	60.0	77	35	52	50	53	83	70	77	.423	.407	.423	1.77	0.84	5.8	6.3	5.2	6.4
April	29.786	30.190	29.410	65.1	69.3	68.4	72.2	62.4	67.3	82	41	58	58	60	80	70	77	.520	.526	.553	0.70	0.49	5.4	5.2	4.3	4.8
May	29.886	30.040	29.750	74.3	78.7	76.9	80.8	72.4	76.6	89	63	69	69	70	85	73	79	.719	.709	.724	3.86	2.35	4.5	4.0	4.5	4.4
June	29.938	30.110	29.750	78.2	81.3	80.9	84.4	74.8	79.6	89	68	71	70	70	78	69	71	.755	.734	.746	6.68	3.05	4.5	4.7	3.5	4.3
July	29.984	30.140	29.790	80.3	84.0	83.0	86.6	77.9	82.2	89	71	75	73	74	84	71	75	.857	.821	.843	3.21	0.82	4.3	5.2	4.4	4.8
August	29.949	30.100	29.822	80.1	83.4	81.7	86.8	77.9	82.4	90	72	74	73	74	83	72	78	.848	.817	.844	2.65	0.74	4.9	6.3	6.3	6.1
September	29.919	30.190	29.680	78.4	83.4	81.8	86.4	76.5	81.4	92	56	72	71	71	81	67	71	.795	.766	.774	2.86	1.31	2.2	3.5	2.8	3.0
October	30.006	30.300	29.690	69.8	74.4	72.9	76.9	67.7	72.3	84	52	63	62	63	80	68	74	.596	.586	.603	7.92	3.52	4.2	4.7	4.1	4.5
November	30.129	30.470	29.650	56.8	61.1	59.8	63.9	54.4	59.2	77	35	51	51	51	82	70	74	.409	.403	.405	3.64	1.61	4.3	4.5	3.7	4.4
December	30.022	30.440	29.560	53.8	57.6	57.1	61.4	50.5	56.0	70	34	49	48	49	83	73	76	.367	.369	.374	6.49	3.46	5.5	5.6	4.7	5.7
Year	29.981	30.520	29.390	66.8	70.8	69.9	74.0	64.3	69.2	92	34	61	60	61	83	72	76	.567	.574	.589	48.67	3.52	4.8	5.2	4.6	5.0

GRAND HAVEN, MICH.

[ϕ=43° 05′ N.; λ=86° 13′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.527	30.080	28.900	14.9	18.2	17.0	22.5	9.3	15.9	36	− 5	11	12	11	84	74	75	0.073	0.075	0.074	1.50	0.30	7.6	7.1	7.4	7.2
February	29.357	29.993	28.730	18.4	24.1	23.1	27.7	14.0	20.8	39	− 8	15	18	18	84	77	79	.090	.102	.099	1.11	.24	8.7	8.4	7.1	8.1
March	29.191	29.701	28.420	30.6	35.9	36.4	41.9	26.2	34.0	65	4	26	28	29	82	74	74	.150	.173	.174	4.00	1.39	6.3	7.3	5.2	6.3
April	29.120	29.600	28.500	36.6	41.3	40.0	45.8	32.2	39.0	70	.21	31	33	32	81	74	74	.181	.193	.184	2.29	.54	7.3	7.9	6.7	7.2
May	29.401	29.810	29.042	51.2	55.9	56.5	62.1	43.6	52.8	78	31	42	42	41	70	61	59	.277	.279	.281	1.92	.87	4.5	4.9	5.2	4.7
June	29.310	29.620	28.860	61.3	66.0	65.8	72.4	54.1	63.2	84	46	53	53	52	76	64	64	.414	.421	.406	3.13	2.00	5.5	4.6	5.8	4.7
July	29.297	29.551	28.905	63.0	68.9	68.0	73.5	55.7	64.6	83	46	56	56	54	78	64	62	.453	.451	.423	1.12	.34	5.0	5.2	3.9	4.4
August	29.363	29.630	29.057	63.0	70.7	68.9	75.1	57.3	66.2	86	45	56	56	56	80	63	64	.470	.469	.459	.99	.53	3.8	4.7	4.0	4.1
September	29.320	29.633	28.990	59.1	69.4	65.6	72.3	54.9	63.6	86	40	54	56	55	84	64	70	.432	.468	.451	1.56	1.00	4.3	4.2	2.9	3.8
October	29.385	29.790	28.850	53.2	61.3	58.4	64.3	49.3	56.8	80	34	48	49	50	83	67	74	.348	.365	.368	1.50	.43	5.6	5.9	3.1	5.2
November	29.400	29.833	28.890	37.8	40.3	40.0	43.4	34.4	38.9	56	21	33	34	35	84	78	82	.194	.200	.207	1.84	.44	8.8	8.3	7.8	8.4
December	29.195	29.690	28.210	31.6	33.7	32.9	36.7	27.0	31.8	59	12	28	29	28	86	81	83	.162	.166	.166	4.17	1.17	9.3	8.5	9.3	8.9
Year	29.322	30.080	28.210	43.4	48.8	47.7	53.1	38.2	45.6	86	− 8	38	39	38	81	70	72	.270	.280	.274	25.13	2.00	6.4	6.4	5.7	6.1

GRAND JUNCTION, COLO.

[ϕ=39° 04′ N.; λ=108° 34′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	25.563	25.870	25.070	11.3	23.4	24.1	28.3	8.0	18.2	43	−14	10	18	20	96	79	84	0.075	0.099	0.109	0.66	0.29	4.8	5.7	6.1	6.0
February	25.439	25.780	25.010	27.4	38.7	38.6	42.8	25.0	33.9	56	13	24	26	28	88	60	64	.132	.139	.151	0.83	0.31	5.8	5.0	4.4	5.2
March	25.258	25.790	24.570	33.3	45.9	45.4	50.4	29.6	40.0	68	19	23	22	22	64	39	42	.122	.118	.122	1.39	0.33	5.5	5.7	4.9	5.7
April	25.195	25.500	24.800	37.3	51.1	52.8	56.7	34.6	45.6	80	14	26	23	23	65	34	34	.143	.124	.124	1.09	0.47	5.3	6.5	7.8	6.6
May	25.267	25.550	25.000	52.0	70.5	71.2	75.6	49.2	62.4	88	40	34	30	30	54	26	26	.203	.178	.171	0.80	0.33	4.2	4.3	4.6	4.4
June	25.331	25.560	25.130	59.3	78.6	79.7	83.8	56.6	70.2	92	46	38	34	34	46	22	21	.230	.198	.204	0.39	0.38	3.3	4.6	5.3	4.4
July	25.444	25.640	25.150	65.4	86.0	87.6	92.1	63.3	77.7	99	55	45	44	42	49	25	23	.307	.301	.287	0.17	0.09	2.6	3.8	6.3	4.1
August	25.425	25.630	25.218	61.8	80.6	82.4	86.7	60.3	73.5	95	48	47	47	46	60	33	30	.331	.338	.319	0.64	0.56	3.2	3.1	3.7	3.5
September	25.395	25.700	24.960	53.6	72.2	73.9	77.8	50.9	64.4	89	37	41	44	44	64	38	35	.264	.294	.291	0.98	0.31	3.4	3.6	3.7	3.7
October	25.356	25.680	24.960	44.3	58.7	57.1	64.0	40.4	52.2	81	29	32	33	34	65	42	48	.181	.190	.204	1.20	0.50	4.8	5.0	5.1	5.0
November	25.493	25.800	25.190	31.9	45.5	43.6	49.9	29.7	39.8	59	20	28	28	29	82	50	56	.150	.154	.161	0.67	0.43	3.3	4.8	5.3	4.9
December	25.389	25.980	24.780	19.9	31.9	30.5	36.0	16.5	26.2	47	0	17	19	20	89	59	63	.095	.104	.105	0.38	0.20	5.1	6.2	5.8	6.4
Year	25.380	25.980	24.570	41.5	56.9	57.2	62.0	38.7	50.3	99	−14	30	31	31	68	42	44	.186	.186	.187	9.29	0.56	4.3	4.9	5.2	5.0

GRAND RAPIDS, MICH.

[ϕ=42° 58′ N.; λ=85° 40′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.444	30.029	28.830	14.3	18.8	17.4	22.4	9.6	16.0	37	− 8	10	11	10	80	68	72	0.070	0.070	0.070	1.19	0.33	7.7	6.8	5.8	6.4
February	29.273	29.904	28.660	18.4	24.7	23.1	28.3	14.2	21.2	44	− 6	14	16	16	80	68	73	.086	.094	.093	0.85	0.34	8.4	8.3	6.3	8.1
March	29.120	29.650	28.360	31.7	39.7	38.2	45.0	27.2	36.1	72	0	25	27	28	76	60	67	.147	.160	.169	3.42	0.94	5.6	7.8	5.2	6.7
April	29.040	29.520	28.450	37.1	44.5	42.4	48.9	33.3	41.1	72	18	30	30	30	75	58	61	.176	.179	.172	2.95	0.93	7.8	7.8	6.9	7.0
May	29.324	29.727	28.980	52.5	64.0	61.3	67.9	46.3	57.1	82	32	41	40	41	66	44	49	.275	.271	.280	1.92	0.73	4.4	4.7	5.5	4.4
June	29.236	29.551	28.810	64.3	75.8	72.9	80.0	58.5	69.2	92	49	55	53	55	73	48	56	.453	.431	.454	4.09	2.49	5.1	5.3	6.2	5.4
July	29.221	29.470	28.824	64.9	75.5	73.5	79.9	57.9	68.9	93	48	56	54	54	74	49	53	.458	.432	.437	3.60	1.12	5.5	5.3	4.6	5.1
August	29.291	29.550	29.002	64.5	76.6	73.9	80.7	59.1	69.9	90	46	57	53	56	77	47	55	.477	.425	.468	0.76	0.56	4.3	4.6	5.0	4.8
September	29.247	29.557	28.930	59.5	73.0	67.7	76.5	55.3	65.9	90	40	54	52	54	82	51	62	.432	.417	.435	3.66	2.25	5.3	4.7	4.0	5.1
October	29.315	29.705	28.750	52.4	65.8	59.4	68.2	49.5	58.8	82	46	46	46	48	80	52	66	.325	.327	.342	1.82	0.70	6.2	5.5	3.1	5.5
November	29.324	29.770	28.820	36.0	40.9	38.3	43.4	33.1	38.2	55	18	31	32	32	83	70	78	.180	.184	.186	1.54	0.33	8.7	8.9	6.6	8.8
December	29.120	29.630	28.170	31.5	34.3	32.5	36.9	27.2	32.0	57	9	28	28	28	84	77	82	.157	.160	.159	4.19	1.19	9.7	9.2	9.0	9.0
Year	29.246	30.029	28.170	43.9	52.8	50.0	56.5	39.3	47.9	93	− 8	37	37	38	78	58	64	.270	.262	.272	30.01	2.49	6.6	6.6	5.7	6.4

Annual meteorological summary for the year ending December 31, 1920—Continued.

GALVESTON, TEX.

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

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	12.0	N.	42	N.	1	26	14	1	10	4	1	2	4	0	5	10	16	13	11	0	0	0	7	0	0	0	1	0
February	11.5	N.	37	N.	0	14	6	9	13	6	3	3	4	0	10	11	8	6	5	0	0	0	0	0	0	0	1	0
March	13.8	SE.	43	NW.	3	7	4	7	25	7	5	3	4	0	10	3	18	7	5	0	0	0	6	0	0	0	2	0
April	13.6	SE.	38	NW.	0	7	2	7	27	9	0	2	6	0	12	11	7	4	3	0	0	0	2	0	0	0	3	0
May	11.3	SE.	32	E.	0	7	1	6	30	9	4	3	2	0	16	11	4	6	4	0	0	0	0	0	0	0	8	0
June	9.2	SE.	31	SE.	0	5	1	2	35	9	2	1	5	0	11	15	4	13	11	0	0	0	0	0	0	0	11	0
July	9.2	S.	24	N.	0	1	0	7	10	24	15	3	2	0	10	14	7	11	9	0	0	0	0	0	0	0	14	0
August	8.3	SE.	25	SE.	0	5	5	2	21	19	6	2	2	0	3	21	7	10	6	0	0	0	0	0	1	0	12	0
September	9.6	SE.	39	N.	0	7	5	4	12	20	2	2	7	1	20	8	2	7	5	0	0	0	0	0	1	0	7	0
October	11.8	SE.	36	N.	0	7	8	17	20	4	0	2	4	0	13	9	9	9	8	0	0	0	0	0	0	0	6	0
November	12.2	N.	38	N.	0	19	5	17	9	2	3	1	4	0	15	9	6	6	4	0	0	0	0	0	0	0	1	0
December	11.6	SE.	35	NW.	0	9	3	6	24	1	2	3	14	0	10	6	15	7	6	0	0	0	6	0	0	0	2	0
Year	11.2	SE.	43	NW.	4	114	54	85	236	114	43	27	58	1	135	128	103	99	77	0	0	0	21	0	2	0	68	0

GRAND HAVEN, MICH.

[H_b=632 ft.; h_t=54 ft.; h_r=49 ft.; h_a=89 ft.]

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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.
January	13.8	E.	48	W.	2	11	7	13	5	3	7	8	8	0	6	8	17	16	10	19	15	0	0	24	0	31	0	0
February	11.4	W.	36	W.	0	9	5	9	4	6	5	12	8	0	1	8	20	15	8	18	15	0	0	23	0	29	0	0
March	15.6	S.	53	SE.	2	7	3	3	5	21	8	9	6	0	7	11	13	15	12	10	7	0	3	6	0	20	3	1
April	13.6	W.	49	SW.	2	7	6	10	2	6	9	12	8	0	4	10	16	14	11	9	4	0	1	4	0	13	2	1
May	9.5	W.	33	NW.	0	8	6	11	3	10	7	6	11	0	12	13	6	7	6	0	0	0	1	0	0	1	2	0
June	9.6	SW.	34	W.	0	3	5	5	5	10	11	13	8	0	12	11	7	10	8	0	0	0	0	0	0	0	6	0
July	9.8	SW.	34	SW.	0	9	2	7	2	10	10	11	11	0	14	10	7	10	6	0	0	1	1	0	0	0	8	0
August	8.0	NW.	29	S.	0	14	4	9	5	8	3	6	13	0	16	10	5	4	4	0	0	0	2	0	0	0	7	1
September	9.7	S.	34	NW.	0	8	5	8	11	12	5	4	7	0	14	13	3	7	6	0	0	0	1	0	0	0	3	2
October	10.0	S.	29	NW.	0	9	1	6	9	18	7	7	5	0	11	10	10	7	6	2	1	0	2	0	0	0	3	0
November	11.7	W.	51	NW.	2	7	3	14	5	2	11	12	6	0	2	7	21	14	11	10	5	0	0	2	0	12	0	0
December	14.7	W.	53	SW.	4	5	3	3	15	4	5	19	8	0	2	3	26	22	17	16	16	0	1	10	0	21	0	0
Year	11.4	W.	53	SW.	12	97	50	98	71	110	88	119	99	0	101	114	151	141	105	84	63	1	12	69	0	127	34	5

GRAND JUNCTION, COLO.

[H_b=4,602 ft.; h_t=60 ft.; h_r=52 ft.; h_a=68 ft.]

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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.
January	2.8	NW.	15	E.	0	12	1	3	7	0	4	5	26	4	11	5	15	6	6	7	6	0	6	25	0	31	0	0
February	3.9	NW.	22	W.	0	14	2	7	6	2	3	9	15	0	10	8	11	9	6	9	5	0	1	1	0	23	0	0
March	7.7	SE.	50	SW.	1	5	3	8	16	7	2	8	13	0	8	14	9	12	8	13	6	1	0	0	0	23	2	0
April	7.0	NW.	42	SW.	1	14	1	8	9	2	3	6	15	2	3	16	11	8	6	5	2	0	0	0	0	9	1	0
May	7.2	SE.	34	SW.	0	2	3	7	18	7	8	7	9	1	16	7	8	5	4	0	0	1	0	0	0	0	6	0
June	7.6	SE.	40	SE.	2	9	3	6	19	5	3	2	13	0	12	12	6	3	2	0	0	0	0	0	2	0	5	0
July	6.3	SE.	34	SE.	0	12	4	9	21	7	1	4	4	0	12	15	4	3	2	0	0	0	0	0	23	0	14	0
August	5.7	SE.	32	NW.	0	7	4	5	21	6	2	5	12	0	18	9	4	5	2	0	0	0	0	0	10	0	8	0
September	6.4	SE.	47	SW.	1	11	3	7	21	8	2	2	6	0	13	13	4	9	6	0	0	0	0	0	0	0	10	0
October	6.2	SE.	40	SW.	1	6	4	7	20	7	2	4	11	1	12	7	12	8	7	4	2	0	0	0	0	8	2	0
November	4.3	SE.	28	SE.	0	5	1	7	20	4	4	9	10	0	11	8	11	5	4	2	1	0	0	0	0	21	0	0
December	4.2	NW.	24	NW.	0	14	2	8	8	6	4	2	17	1	7	8	16	9	4	12	9	0	1	10	0	31	0	0
Year	5.8	SE.	50	SW.	6	111	31	82	186	61	38	63	151	9	133	122	111	82	57	52	31	2	8	36	35	146	48	0

GRAND RAPIDS, MICH.

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

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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.
January	7.1	NW.	33	NW.	0	2	8	11	7	4	8	7	15	0	6	10	15	11	8	20	10	0	0	25	0	31	0	0
February	6.1	W.	22	NW.	0	0	5	8	5	7	5	11	14	3	2	6	21	9	7	19	9	0	0	21	0	29	0	0
March	8.0	S.	33	S.	0	0	1	5	8	18	9	7	14	0	8	9	14	11	8	9	4	1	2	8	0	18	2	2
April	7.9	W.	28	W.	0	3	3	8	10	3	7	16	10	0	4	7	19	12	12	8	2	1	0	3	0	11	3	1
May	5.4	SE.	19	NW.	0	1	8	10	13	9	6	4	11	0	13	13	5	8	7	0	0	0	0	0	0	1	2	1
June	4.8	W.	25	W.	0	3	8	6	2	5	13	11	10	2	11	9	10	10	9	0	0	0	0	0	5	0	6	0
July	5.0	W.	38	W.	0	2	6	4	5	5	13	16	10	1	8	16	7	10	9	0	0	0	6	0	2	0	9	0
August	4.0	NE.	16	NW.	0	6	10	10	5	6	8	6	10	1	13	8	10	5	4	0	0	0	1	0	1	0	2	1
September	5.0	SE.	26	W.	0	2	5	9	14	4	7	10	6	3	10	11	9	8	6	0	0	0	2	0	1	0	5	0
October	4.1	S.	23	W.	0	1	2	6	12	16	11	4	7	3	10	10	11	8	5	1	0	0	1	0	0	1	2	0
November	5.6	W.	26	W.	0	2	5	10	9	9	5	13	7	0	1	6	23	13	11	11	4	0	0	4	0	11	1	0
December	7.4	W.	30	W.	0	1	2	3	16	6	8	17	8	1	1	5	25	19	13	16	13	0	0	10	0	20	1	0
Year	5.9	W.	38	W.	0	23	63	90	106	92	100	122	122	14	87	110	169	124	99	84	42	2	6	71	9	122	33	5

Annual meteorological summary for the year ending December 31, 1920—Continued.

GREEN BAY, WIS.

[ϕ=44° 31′ N.; λ=88° 00′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.553	30.140	28.890	5.9	12.3	11.6	17.3	1.0	9.2	35	−14	1	4	5	79	67	73	0.047	0.054	0.056	0.98	0.33	6.5	5.7	4.9	6.7
February	29.381	30.120	28.770	11.5	19.2	19.7	23.8	7.9	15.8	36	−13	7	11	13	82	66	72	.065	.072	.080	0.47	0.17	7.5	6.6	6.2	6.8
March	29.168	29.678	28.320	25.8	33.6	33.9	40.0	22.2	31.1	67	−11	20	24	25	78	66	69	.126	.142	.152	4.12	1.64	5.6	5.8	5.3	6.3
April	29.141	29.630	28.340	33.6	39.6	40.4	44.9	30.4	37.6	62	13	28	26	27	77	59	59	.159	.147	.154	2.11	0.76	7.2	6.9	7.1	6.7
May	29.421	29.830	28.940	48.9	60.8	59.2	64.8	44.4	54.6	83	30	41	39	40	73	47	51	.265	.255	.263	1.43	0.65	5.0	4.3	5.5	4.8
June	29.319	29.620	28.989	62.4	72.4	69.6	76.3	57.4	66.8	90	47	55	54	54	77	54	60	.447	.440	.447	6.00	2.66	6.0	5.7	6.2	5.7
July	29.311	29.580	28.912	62.1	71.9	70.9	76.4	58.1	67.2	86	51	55	54	57	78	54	64	.437	.422	.479	3.49	1.50	5.0	5.3	5.6	5.4
August	29.386	29.680	29.015	60.1	71.9	69.9	76.3	57.5	66.9	89	48	55	55	55	84	57	61	.442	.446	.452	1.80	0.58	4.7	4.5	4.5	4.9
September	29.329	29.676	28.930	56.4	69.3	64.6	72.2	53.7	63.0	87	36	51	52	52	83	55	65	.391	.400	.404	0.91	0.23	3.9	5.0	5.0	5.3
October	29.377	29.820	28.960	49.6	61.8	57.9	65.1	47.4	56.2	80	25	44	45	46	82	56	66	.318	.323	.338	2.27	1.52	5.2	4.7	4.2	5.4
November	29.420	29.858	28.860	31.2	36.7	34.9	39.7	29.0	34.4	53	14	27	28	28	82	70	74	.152	.157	.159	3.48	1.33	7.5	6.4	6.2	7.4
December	29.199	29.730	28.050	24.7	29.0	27.2	32.2	20.8	26.5	52	−8	20	21	21	81	71	77	.120	.128	.126	1.70	0.64	8.6	7.6	8.0	8.0
Year	29.334	30.140	28.050	39.4	48.2	46.6	52.4	35.8	44.1	90	−14	34	34	35	80	60	66	.247	.249	.259	28.76	2.66	6.1	5.7	5.7	6.1

GREENVILLE, S. C.

[ϕ=34° 50′ N.; λ=82° 24′ W.]

January	29.068	29.460	28.550	37.2	45.2	42.6	50.3	32.5	41.4	64	12	31	33	32	79	65	68	0.195	0.211	0.205	5.83	1.88	5.8	5.2	5.1	5.8
February	28.898	29.500	28.390	34.5	43.6	42.3	49.2	32.2	40.7	59	14	29	30	30	80	62	64	.176	.190	.187	3.42	1.54	4.8	5.9	4.3	5.1
March	28.964	29.380	28.390	44.1	53.4	51.7	58.8	40.5	49.6	76	16	34	35	36	70	53	58	.222	.227	.237	8.26	2.04	5.1	4.4	3.7	4.6
April	28.772	29.110	28.300	52.0	60.3	60.2	66.7	47.9	57.3	86	29	44	44	44	76	60	60	.302	.314	.319	7.18	1.91	4.8	5.2	5.0	5.1
May	28.938	29.310	28.650	61.5	70.6	69.0	75.5	56.9	66.2	87	47	51	48	51	69	47	56	.382	.351	.385	1.62	0.81	5.3	5.2	6.0	5.5
June	28.929	29.242	28.610	70.8	79.9	76.9	84.3	65.8	75.0	94	57	61	58	61	72	50	61	.537	.493	.544	6.11	3.47	4.2	3.8	5.6	4.6
July	28.957	29.173	28.700	72.0	81.7	76.9	85.6	67.5	76.6	93	61	65	64	66	80	56	71	.628	.592	.644	7.90	1.76	5.1	4.0	6.2	5.1
August	28.975	29.150	28.740	70.0	77.8	72.9	81.4	67.2	74.3	89	61	67	67	68	90	70	84	.661	.660	.677	5.96	0.79	7.6	6.8	7.6	7.5
September	28.934	29.120	28.460	67.9	77.4	73.0	81.3	64.4	72.8	89	48	62	62	64	81	61	74	.553	.568	.604	2.65	1.33	4.5	5.0	4.1	4.6
October	29.060	29.340	28.680	56.3	70.7	65.5	74.3	51.6	63.0	84	36	47	48	49	73	48	57	.340	.362	.366	0.53	0.53	2.5	2.9	2.6	3.0
November	29.022	29.390	28.530	43.8	55.2	51.7	59.1	41.1	50.1	76	28	37	40	38	78	61	64	.233	.265	.247	4.52	2.60	4.3	4.4	3.7	4.4
December	28.935	29.290	28.540	37.8	46.6	43.9	50.4	35.0	42.7	63	26	32	33	34	78	60	70	.184	.195	.209	5.39	1.33	5.3	5.3	4.8	5.5
Year	28.954	29.500	28.300	54.0	63.5	60.6	68.1	50.2	59.1	94	12	47	47	48	77	58	66	.368	.369	.385	59.37	3.47	4.9	4.8	4.9	5.1

GROESBECK, TEX.

[ϕ=31° 30′ N.; λ=96° 28′ W.]

January	29.708	30.040	29.250	39.2	46.9	46.3	52.0	37.3	44.6	76	28	37	38	38	92	74	77	0.233	0.241	0.248	5.45	1.59	7.3	6.6	5.6	6.7
February	29.618	30.000	29.240	45.6	55.2	54.8	60.7	43.5	52.1	74	30	42	45	45	89	71	70	.287	.325	.316	1.12	0.90	7.0	6.8	6.2	6.2
March	29.478	30.120	28.860	48.7	62.9	63.2	68.8	46.7	57.8	83	23	43	44	44	79	53	50	.305	.324	.328	1.44	0.89	5.4	4.4	5.3	4.8
April	29.302	29.670	28.790	55.8	71.2	71.8	78.0	52.6	65.3	93	29	48	48	47	78	48	45	.367	.370	.353	2.01	1.79	5.1	3.5	2.6	3.6
May	29.410	29.650	29.170	68.1	79.8	79.1	84.7	65.2	75.0	93	54	65	66	65	91	64	64	.627	.642	.628	2.57	1.14	7.1	6.0	5.3	5.9
June	29.478	29.630	29.204	70.4	83.9	82.2	88.4	67.2	77.8	93	61	68	67	67	92	57	62	.690	.651	.670	2.45	0.89	4.2	3.7	3.8	4.1
July	29.500	29.670	29.274	74.5	89.0	86.1	93.6	71.8	82.7	98	67	72	69	70	91	53	61	.773	.718	.739	1.41	0.65	5.1	5.2	5.1	5.2
August	29.480	29.640	29.258	72.4	83.6	80.4	88.0	70.5	79.2	97	63	71	72	72	96	68	76	.763	.781	.786	6.45	2.32	7.4	6.5	5.9	6.6
September	29.467	29.740	29.223	70.2	84.8	79.5	88.4	68.0	78.2	94	45	69	67	68	95	58	69	.713	.696	.713	3.83	1.76	4.5	3.6	2.4	4.0
October	29.545	29.820	29.180	58.5	74.3	68.8	78.1	56.7	67.4	89	37	57	57	59	94	58	72	.487	.495	.513	4.99	1.55	4.9	4.8	4.1	4.8
November	29.690	30.060	29.330	45.0	58.8	54.6	63.2	42.3	52.0	82	24	42	43	44	90	59	67	.296	.311	.305	4.81	2.22	6.0	4.7	3.9	5.1
December	29.543	30.030	29.042	41.6	54.6	52.7	61.2	38.6	49.9	79	23	37	39	40	83	59	64	.238	.264	.273	1.90	1.34	5.3	3.9	3.1	4.1
Year	29.518	30.120	28.790	57.5	70.4	68.3	75.4	55.1	65.2	98	22	54	55	55	89	60	65	.482	.485	.489	38.43	2.32	5.8	5.0	4.4	5.1

HANNIBAL, MO.

[ϕ=39° 41′ N.; λ=91° 20′ W.]

January	29.664	30.150	28.990	20.6	26.7	....	32.1	16.4	24.2	48	4	16	18	....	81	67	....	0.094	0.100	.....	0.96	0.39	3.9	5.2	....	5.2
February	29.538	29.970	29.020	26.5	33.0	....	38.4	23.7	31.0	62	1	21	22	....	79	62	....	.123	.126	.....	0.68	0.55	5.8	5.4	....	6.1
March	29.330	29.960	28.434	36.6	47.4	....	54.0	33.7	43.8	80	1	28	29	....	72	53	....	.173	.182	.....	4.47	1.63	5.6	5.3	....	5.1
April	29.223	29.670	28.620	42.0	49.1	....	56.0	38.1	47.0	82	11	36	36	....	80	63	....	.225	.225	.....	4.36	0.81	6.8	6.8	....	6.6
May	29.448	29.840	29.160	56.4	66.9	....	70.8	53.4	62.1	87	38	49	50	....	76	56	....	.358	.373	.....	3.80	1.55	6.1	6.4	....	6.3
June	29.429	29.662	29.040	67.3	79.1	....	82.9	62.6	72.8	94	50	58	57	....	74	49	....	.502	.486	.....	2.21	0.82	3.8	5.0	....	4.1
July	29.439	29.650	29.120	68.8	81.1	....	86.1	64.5	75.3	98	56	61	61	....	77	52	....	.548	.552	.....	2.74	0.72	4.6	5.7	....	4.3
August	29.450	29.720	29.170	65.6	78.7	....	82.8	62.1	72.4	93	48	60	60	....	83	54	....	.528	.524	.....	3.06	0.90	4.7	4.9	....	4.7
September	29.424	29.691	29.150	61.9	76.1	....	79.6	59.7	69.6	91	40	57	58	....	85	55	....	.490	.509	.....	4.92	1.96	3.8	4.7	....	4.2
October	29.512	29.900	29.148	53.1	67.3	....	71.3	51.5	61.4	83	26	47	50	....	81	56	....	.336	.384	.....	1.48	0.51	4.8	4.5	....	4.2
November	29.574	30.170	29.060	34.6	44.1	....	48.3	31.7	40.0	71	13	29	31	....	79	61	....	.173	.193	.....	0.95	0.46	4.3	6.6	....	6.1
December	29.397	29.860	28.570	30.2	36.0	....	41.9	26.1	34.0	62	0	25	27	....	81	71	....	.147	.162	.....	0.96	0.57	5.5	6.9	....	6.4
Year	29.452	30.170	28.434	47.0	57.1	....	62.0	43.6	52.8	98	0	41	42	....	79	58	....	.308	.318	.....	30.53	1.96	4.8	5.6	....	5.3

Annual meteorological summary for the year ending December 31, 1920—Continued.

GREEN BAY, WIS.

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

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of 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.	0.01 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	12.3	W.	40	NE.	1	9	9	2	2	12	10	13	5	0	7	8	16	10	9	13	10	0	0	29	0	31	0	0
February	9.6	SW.	34	SW.	0	6	12	2	0	10	12	7	9	0	5	9	15	9	4	14	9	0	0	25	0	29	0	0
March	14.3	S.	62	SW.	3	4	9	1	7	14	15	6	6	0	9	10	12	12	11	10	6	0	2	9	0	21	2	1
April	13.2	N.	54	NE.	4	13	10	3	8	4	5	9	8	0	5	13	12	9	7	5	2	0	1	3	0	16	2	0
May	10.1	NE.	41	N.	2	9	14	4	12	11	4	6	2	0	12	15	4	6	6	0	0	0	0	0	0	1	1	0
June	10.2	S.	52	NE.	3	8	9	0	13	16	8	1	5	0	9	14	7	14	11	0	0	0	0	0	1	0	9	0
July	10.4	S.	46	W.	1	10	3	2	8	12	16	5	6	0	12	13	6	13	9	0	0	0	0	0	0	0	7	0
August	8.6	S.	35	SW.	0	8	5	5	16	10	11	1	6	0	12	11	8	7	6	0	0	0	0	0	0	0	5	1
September	10.5	S.	39	W.	0	9	6	6	12	8	8	5	6	0	11	13	6	7	7	0	0	0	1	0	0	0	4	0
October	10.8	S.	35	N.	0	5	3	1	10	23	13	2	5	0	13	8	10	9	7	1	0	0	1	0	0	4	2	0
November	10.8	SW.	46	W.	1	5	8	3	3	9	17	6	9	0	7	3	20	11	8	5	4	0	1	7	0	17	0	0
December	11.4	W.	54	W.	1	5	5	0	7	8	10	22	5	0	4	7	20	10	9	10	8	0	0	16	0	25	0	0
Year	11.0	S.	62	SW.	16	91	93	29	98	137	129	83	72	0	106	124	136	117	94	58	39	0	6	89	1	144	32	2

GREENVILLE, S. C.

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

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.01 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.
January	9.3	NE.	43	W.	3	5	16	7	3	1	17	10	3	0	12	4	15	12	11	2	1	0	4	1	0	13	0	0
February	9.9	NE.	37	W.	0	10	15	4	1	5	10	8	5	0	12	7	10	9	7	1	0	0	4	0	0	12	0	0
March	9.6	SW.	44	W.	3	6	17	7	2	6	13	7	4	0	15	4	12	13	11	0	0	0	0	0	0	8	5	1
April	11.1	SW.	60	W.	2	4	14	7	2	4	12	12	5	0	13	5	12	11	10	0	0	1	0	0	0	1	7	0
May	8.3	NE.	27	SW.	0	4	21	13	7	1	11	2	3	0	8	16	7	7	5	0	0	0	0	0	0	0	3	0
June	7.5	W.	37	N.	0	8	12	5	5	3	5	11	9	2	13	10	7	7	7	0	0	0	0	0	7	0	7	0
July	6.7	SW.	50	N.	1	3	5	4	4	9	14	17	6	0	11	11	9	11	10	0	0	1	0	0	5	0	15	0
August	6.2	NE.	28	SE.	0	3	11	8	6	8	8	11	5	2	1	10	20	23	18	0	0	0	2	0	0	0	16	0
September	7.2	NE.	28	N.	0	5	24	9	4	3	3	3	8	1	11	14	5	8	7	0	0	0	0	0	0	0	8	0
October	6.3	NE.	22	SW.	0	8	15	11	4	4	5	4	8	3	20	7	4	2	1	0	0	0	0	0	0	0	0	0
November	8.3	NE.	36	W.	0	2	25	5	1	3	11	10	3	0	14	9	7	8	7	0	0	0	1	0	0	3	0	0
December	9.4	W.	42	W.	1	3	12	7	2	7	11	13	4	3	13	5	13	11	9	0	0	0	1	0	0	10	1	0
Year	8.3	NE.	60	W.	16	61	187	87	41	54	120	108	63	11	143	102	121	122	103	3	1	2	12	1	12	47	62	1

GROESBECK, TEX.

[H_b=461 ft.; h_t=11 ft.; h_r=3 ft.; h_a=56 ft.]

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.01 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.
January	10.3	N.	35	NE.	0	28	10	5	2	6	5	2	2	2	6	10	15	11	9	0	0	1	3	0	0	10	2	0
February	10.6	N	42	NE.	2	18	8	4	4	12	7	2	3	0	6	11	12	5	3	0	0	0	1	0	0	4	1	0
March	15.0	S.	60	NW.	4	8	11	2	10	15	12	2	2	0	14	8	9	6	5	1	0	1	1	0	0	5	4	0
April	15.0	S.	52	SW.	2	8	3	9	9	15	7	4	5	0	17	6	7	4	4	0	0	0	0	0	3	1	4	0
May	10.8	S.	51	S.	5	5	10	2	12	25	7	0	0	1	6	17	8	9	8	0	0	0	0	0	4	0	7	0
June	8.4	S.	54	NE.	1	6	4	6	18	16	8	1	1	0	15	12	3	11	7	0	0	0	0	0	18	0	9	0
July	7.3	S.	42	N.	2	1	2	5	8	25	18	1	2	0	8	18	5	6	5	0	0	0	0	0	28	0	14	0
August	7.3	S.	34	SW.	0	5	6	8	13	13	10	2	4	1	4	11	16	12	8	0	0	0	0	0	10	0	12	0
September	8.7	S.	48	NE.	1	8	11	4	10	15	10	1	0	1	13	15	2	5	5	0	0	0	1	0	14	0	4	0
October	9.1	SE.	39	SE.	0	5	8	4	28	11	1	3	2	0	13	5	13	8	7	0	0	0	3	0	0	0	5	0
November	9.6	N.	34	E.	0	17	7	2	7	13	4	3	2	5	11	9	10	4	4	1	1	0	0	0	0	4	1	0
December	11.3	S.	40	S.	1	14	6	3	9	11	7	3	8	1	16	6	9	7	6	0	0	0	0	0	0	6	1	0
Year	10.3	S.	60	NW.	18	123	86	54	130	177	96	24	31	11	129	128	109	88	71	2	1	2	9	0	75	30	64	0

HANNIBAL, MO.

[H_b=534 ft.; h_t=74 ft.; h_r=68 ft.; h_a=109 ft.]

Month.	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	No. of days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.01 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.
January	9.1	N.	28	SW.	0	6	5	1	3	2	7	4	3	0	13	6	12	9	6	10	7	0	1	16	0	31	0	0
February	9.3	NW.	32	SW.	0	1	5	3	0	1	9	1	9	0	9	5	15	8	3	6	1	0	1	6	0	24	0	0
March	14.4	SW.	58	SW.	3	0	0	4	2	5	13	1	6	0	12	8	11	12	7	3	2	1	2	3	0	13	3	0
April	11.8	SW.	45	SW.	1	1	8	4	1	3	6	6	1	0	8	7	15	16	13	7	4	1	0	2	0	9	5	0
May	8.9	NE.	36	N.	0	1	12	4	2	3	4	2	2	1	6	11	14	11	9	0	0	0	1	0	0	0	7	0
June	8.6	SW.	34	NW.	0	2	3	4	0	1	14	2	4	0	14	13	3	7	5	0	0	2	0	0	8	0	6	0
July	6.6	SW.	37	SW.	0	0	3	2	1	2	15	3	5	0	14	10	7	10	6	0	0	0	0	0	9	0	6	0
August	5.7	SW.	27	S.	0	1	8	3	1	2	11	1	4	0	14	8	9	9	8	0	0	2	1	0	5	0	7	0
September	7.5	SW.	32	NW.	0	1	5	3	1	1	14	1	4	0	14	11	5	8	6	0	0	0	0	0	2	0	6	0
October	8.0	S.	33	SW.	0	3	3	3	4	2	12	4	0	0	16	5	10	12	9	1	1	0	3	0	0	2	1	0
November	8.5	SW.	27	SW.	0	0	0	3	2	2	14	1	8	0	10	6	14	8	6	4	0	0	0	4	0	14	0	0
December	10.5	W.	34	SW.	0	1	3	4	1	3	10	6	3	0	8	9	14	6	3	10	4	0	4	7	0	21	1	0
Year	9.1	SW.	58	SW.	4	17	55	38	18	27	129	32	49	1	138	99	129	115	81	41	19	6	13	38	24	114	42	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

HARRISBURG, PA.

[ϕ=40° 16′ N.; λ=76° 52′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.866	30.500	29.140	20.5	24.5	24.5	29.2	17.0	23.1	50	5	12	14	16	67	64	68	0.081	0.090	0.092	2.10	0.81	7.5	7.2	5.5	6.8
February	29.620	30.510	29.140	24.3	29.5	30.3	34.7	21.6	28.2	46	−1	17	20	21	74	67	67	.101	.113	.118	4.23	2.59	6.6	7.5	6.8	7.1
March	29.624	30.050	29.000	35.5	44.9	43.5	50.5	31.4	41.0	74	14	27	30	28	76	57	56	.159	.178	.165	2.50	1.17	5.1	5.0	3.1	4.6
April	29.446	29.842	28.900	44.3	51.2	50.2	56.4	40.1	48.2	81	28	32	31	35	64	49	59	.192	.180	.217	4.37	.91	5.6	5.9	6.4	6.2
May	29.678	30.132	29.370	55.0	64.1	62.2	68.4	49.7	59.0	85	39	42	41	42	64	45	51	.283	.279	.291	1.34	1.10	4.3	5.7	5.4	5.2
June	29.590	29.971	29.050	65.8	75.3	71.8	79.5	60.1	69.8	93	50	56	55	57	72	50	62	.460	.447	.478	3.68	1.56	5.7	5.9	6.5	6.1
July	29.606	29.835	29.220	68.9	78.1	74.9	82.3	63.7	73.0	90	53	59	58	59	71	51	61	.507	.494	.522	4.02	1.57	4.3	4.6	4.5	4.8
August	29.681	29.920	29.350	68.1	75.9	72.9	79.7	65.0	72.4	89	55	63	63	64	84	65	74	.585	.583	.604	8.84	2.46	7.5	7.6	8.0	7.5
September	29.635	29.942	29.030	61.4	70.3	68.5	75.3	57.8	66.6	85	42	54	54	57	79	58	68	.439	.432	.483	5.53	2.00	5.0	4.3	3.0	4.1
October	29.730	29.965	29.100	53.1	65.0	60.8	69.6	50.0	59.8	82	39	46	46	50	78	52	67	.324	.331	.372	.52	.50	3.7	4.1	2.2	3.6
November	29.744	30.200	28.920	39.9	45.4	43.5	48.3	37.9	43.1	68	23	32	32	35	75	62	73	.188	.193	.213	3.27	1.68	7.3	7.3	6.3	7.3
December	29.601	30.140	28.980	34.1	37.9	36.6	41.5	31.0	36.2	60	19	26	27	28	73	64	68	.150	.150	.152	3.94	1.40	7.0	7.5	5.7	6.9
Year	29.647	30.510	28.900	47.6	55.2	53.3	59.6	43.8	51.7	93	−1	39	39	41	73	57	64	.289	.289	.309	44.34	2.59	5.8	6.0	5.3	5.8

HARTFORD, CONN.

[ϕ=41° 46′ N.; λ=72° 40′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.985	30.810	29.240	16.5	21.8	20.3	27.4	11.2	19.3	44	−8	10	12	12	77	65	69	0.078	0.083	0.081	3.39	1.00	6.9	5.9	5.2	6.3
February	29.799	30.860	29.041	20.7	27.4	26.6	32.2	16.4	24.3	46	−14	16	18	18	81	66	69	.096	.103	.103	5.08	2.05	6.6	6.9	5.0	6.6
March	29.797	30.370	28.790	32.5	41.7	39.4	47.5	27.9	37.7	68	8	24	26	27	70	55	63	.139	.154	.163	3.75	1.47	4.8	5.2	3.9	5.1
April	29.645	29.991	28.930	42.7	48.4	45.6	52.9	36.8	44.8	70	24	32	31	32	67	56	60	.189	.186	.188	5.43	1.15	5.8	7.3	4.6	6.9
May	29.884	30.282	29.520	53.3	62.0	56.5	66.1	46.7	56.4	83	34	43	43	44	70	53	64	.287	.289	.294	3.53	1.14	5.3	6.8	5.2	5.7
June	29.785	30.160	29.330	62.4	71.7	66.5	75.4	56.0	65.7	89	47	54	54	55	76	57	68	.426	.430	.440	8.00	2.52	6.2	6.9	6.7	6.5
July	29.796	30.069	29.320	68.0	76.5	71.2	79.8	61.4	70.6	88	52	59	59	60	74	56	69	.516	.512	.531	6.70	2.62	4.9	6.6	5.4	5.6
August	29.898	30.230	29.420	68.2	77.7	72.4	81.3	63.6	72.4	89	51	62	62	64	81	60	76	.565	.574	.609	3.45	1.68	6.6	6.8	6.9	6.4
September	29.822	30.200	29.090	60.4	71.0	66.1	75.4	55.9	65.6	88	41	53	53	56	78	56	72	.420	.430	.468	7.95	4.60	4.9	5.3	4.3	4.8
October	29.892	30.230	29.090	52.9	63.8	58.6	68.7	47.8	58.2	82	37	46	46	47	80	54	67	.326	.321	.339	.90	.72	4.8	4.7	2.8	4.1
November	29.943	30.440	29.130	37.6	42.5	40.3	46.5	33.3	39.9	62	21	30	30	31	74	63	71	.169	.170	.186	6.43	2.63	6.3	7.7	5.6	7.4
December	29.774	30.390	29.160	31.3	35.9	33.4	39.6	27.5	33.6	60	8	25	26	24	76	68	68	.139	.151	.135	6.35	2.24	6.8	7.9	5.1	7.1
Year	29.835	30.860	28.790	45.5	53.4	49.7	57.7	40.4	49.0	89	−14	38	38	39	75	59	68	.279	.284	.295	60.96	4.60	5.8	6.5	5.1	6.0

HATTERAS, N. C.

[ϕ=35° 15′ N.; λ=75° 40′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.176	30.600	29.550	41.2	47.1	43.6	51.1	36.6	43.8	68	22	36	38	39	83	71	83	0.232	0.245	0.257	0.53	0.20	6.5	6.1	4.8	6.7
February	29.979	30.610	29.430	41.4	45.7	42.2	49.2	37.0	43.1	64	24	38	40	39	88	82	89	.247	.261	.251	6.43	2.74	5.8	5.9	5.0	6.4
March	30.069	30.504	29.282	50.4	55.4	50.4	58.1	43.6	50.8	71	28	45	48	46	82	76	85	.320	.350	.327	3.16	.86	5.5	4.2	4.3	5.2
April	29.873	30.180	29.300	58.4	61.7	57.3	64.0	51.9	58.0	77	40	52	54	52	80	77	84	.406	.436	.407	4.46	1.84	5.5	5.0	4.5	5.4
May	30.024	30.440	29.720	61.6	65.3	59.2	66.9	55.2	61.0	77	46	56	58	55	82	78	86	.450	.491	.436	.58	.35	6.1	5.1	4.7	5.6
June	29.997	30.320	29.630	73.2	76.0	69.9	78.4	65.0	71.7	89	59	67	68	67	82	77	90	.677	.688	.666	3.97	1.80	4.0	4.6	5.1	4.8
July	30.036	30.270	29.700	76.5	78.3	74.5	80.4	71.2	75.8	87	67	72	72	72	85	83	91	.782	.799	.787	5.09	1.46	5.8	6.5	6.2	6.5
August	30.055	30.260	29.810	78.1	81.2	76.1	82.8	72.5	77.6	88	68	74	74	73	86	80	92	.826	.849	.824	3.88	1.84	3.9	5.5	6.5	6.6
September	29.982	30.190	29.360	75.4	78.6	74.2	80.5	70.4	75.4	88	63	69	70	70	82	77	87	.725	.749	.743	8.66	2.70	6.0	5.4	3.2	5.5
October	30.107	30.360	29.550	66.0	70.8	64.5	71.8	60.7	66.2	79	48	59	59	59	78	67	84	.513	.516	.521	.32	.14	3.2	2.9	2.7	3.6
November	30.098	30.460	29.470	55.8	60.4	57.0	63.2	51.4	57.3	75	41	49	50	51	80	70	82	.370	.380	.395	3.53	1.66	4.8	5.3	3.8	5.5
December	30.016	30.420	29.530	48.6	53.8	50.5	56.4	44.3	50.4	69	36	42	44	44	80	70	79	.288	.304	.302	6.40	1.77	5.6	5.7	4.9	5.7
Year	30.034	30.610	29.282	60.6	64.5	60.0	66.9	55.0	60.9	89	22	55	56	56	82	76	86	.436	.506	.493	47.01	2.74	5.2	5.2	4.6	5.6

HAVRE, MONT.

[ϕ=48° 34′ N.; λ=109° 40′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	27.454	27.950	26.970	11.1	16.7	16.1	22.5	3.4	13.0	50	−31	8	11	12	85	80	84	0.078	0.088	0.090	1.14	0.44	5.5	6.2	5.9	7.1
February	27.484	27.880	26.980	17.4	25.7	26.1	30.6	12.0	21.3	46	−5	15	20	21	90	78	82	.089	.108	.114	.42	.22	4.6	4.6	4.9	5.2
March	27.168	28.040	26.500	22.8	33.2	33.2	37.9	17.4	27.6	64	−26	19	23	24	85	69	70	.114	.122	.137	.46	.18	4.7	5.6	5.3	4.4
April	27.276	27.790	26.830	27.7	40.0	42.8	45.3	26.6	36.0	65	9	25	30	31	90	70	65	.141	.179	.174	2.65	.95	7.0	7.4	6.3	6.1
May	27.311	27.660	26.880	43.0	62.1	61.2	66.0	41.4	53.7	84	30	36	35	34	78	40	40	.214	.211	.201	1.39	.53	3.9	5.9	5.9	4.2
June	27.308	27.630	27.027	51.0	68.7	70.8	74.5	49.2	61.8	87	34	45	47	44	82	48	41	.311	.335	.301	3.09	1.35	3.3	4.1	6.2	3.8
July	27.395	27.627	27.110	59.4	80.3	83.7	86.7	58.2	72.4	97	43	53	54	54	80	43	39	.406	.424	.420	1.51	.82	2.5	2.3	3.2	2.5
August	27.348	27.730	26.970	55.9	79.6	81.3	84.5	54.7	69.6	102	44	49	51	49	78	40	35	.351	.379	.359	.81	.29	2.3	2.4	4.3	2.8
September	27.254	27.900	26.863	46.0	67.2	68.8	73.4	44.0	58.7	91	23	41	43	43	84	46	42	.267	.292	.283	.34	.11	3.5	4.6	4.4	3.9
October	27.294	27.801	26.800	38.1	53.4	50.9	57.9	35.5	46.7	89	22	32	35	36	80	52	60	.183	.205	.214	1.25	.63	3.9	4.8	5.2	5.3
November	27.440	28.130	26.930	27.1	39.3	35.6	45.2	22.0	33.6	60	−3	22	27	26	81	63	69	.124	.146	.141	.07	.07	2.7	3.3	5.3	3.7
December	27.221	27.700	26.520	20.0	27.4	24.9	32.4	12.9	22.6	52	−28	14	18	16	79	70	72	.097	.111	.104	1.01	.44	5.9	6.9	5.4	7.0
Year	27.329	28.130	26.500	35.0	49.4	49.6	54.8	31.4	43.1	102	−31	30	33	32	83	58	58	.198	.217	.212	14.14	1.35	4.2	4.8	5.2	4.7

Annual meteorological summary for the year ending December 31, 1920—Continued.

HARRISBURG, PA.

[H_b=374 ft.; h_1=94 ft.; h_r=90 ft.; h_a=104 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles		*Mi.*																									
January	7.7	NW.	34	W.	0	10	11	4	3	3	3	11	17	0	5	10	16	10	8	12	5	0	0	19	0	30	0	0
February	8.2	NW.	26	NW.	0	8	10	5	3	5	4	5	18	0	6	5	18	11	8	15	9	0	2	8	0	27	0	0
March	8.1	NW.	28	SW.	0	2	4	13	8	3	4	11	17	0	15	6	10	8	8	4	4	0	1	3	0	17	1	3
April	8.8	W.	31	W.	0	8	10	4	8	3	4	14	9	0	6	13	11	16	14	5	0	0	0	0	0	6	2	0
May	6.0	N.	28	N.	0	9	12	7	8	11	2	2	11	0	10	8	13	8	7	0	0	1	1	0	0	0	2	0
June	5.1	W.	42	W.	1	6	8	6	4	4	6	17	9	0	4	15	11	12	9	0	0	2	0	0	2	0	7	0
July	5.9	S.	34	SW.	0	9	8	6	3	11	5	9	11	0	10	14	7	11	9	0	0	0	0	0	1	0	11	0
August	4.8	S.	27	W.	0	8	13	14	4	10	2	10	1	0	3	6	22	21	16	0	0	0	0	0	0	0	16	0
September	5.1	N.	24	N.	0	9	11	15	3	3	3	10	6	0	14	10	6	9	8	0	0	0	3	0	0	0	3	0
October	5.1	W.	28	SW.	0	9	8	10	2	6	3	18	6	0	17	8	6	3	1	0	0	0	5	0	0	0	1	0
November	6.2	W.	31	SW.	0	5	17	6	0	3	2	17	10	0	4	7	19	10	7	3	1	0	2	0	0	4	0	0
December	5.7	W.	27	W.	0	5	7	8	2	1	9	17	13	0	8	5	18	10	8	8	4	0	2	3	0	20	0	0
Year	6.4	W.	42	W.	1	88	119	98	48	63	47	141	128	0	102	107	157	129	103	47	23	3	16	33	3	104	43	3

HARTFORD, CONN.

[H_b=159 ft.; h_1=122 ft.; h_r=116 ft.; h_a=140 ft.]

Month.	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.
January	7.6	N.	31	NW.	0	24	5	1	0	2	14	4	12	0	8	8	15	15	12	13	11	0	0	22	0	30	0	1
February	8.6	N.	35	NW.	0	16	6	1	2	6	8	4	15	0	5	10	14	14	13	15	13	0	3	10	0	29	0	0
March	9.4	SW.	43	NW.	1	13	3	1	2	9	15	4	15	0	14	5	12	11	9	4	3	0	2	4	0	17	1	2
April	8.7	N.	37	W.	0	13	10	1	2	7	8	5	14	0	4	10	16	14	12	5	2	0	0	0	0	6	2	2
May	7.2	S.	28	SW.	0	8	11	4	2	15	14	1	7	0	10	6	15	12	10	0	0	0	0	0	0	0	2	0
June	6.6	S.	27	NW.	0	11	8	4	4	10	18	0	5	0	7	8	15	12	12	0	0	0	2	0	0	0	7	0
July	7.7	SW.	40	NW.	1	13	3	0	2	16	16	3	9	0	10	9	12	10	9	0	0	0	0	0	0	0	6	0
August	5.9	S.	29	SW.	0	11	11	1	3	18	15	1	2	0	7	8	16	11	7	0	0	0	1	0	0	0	8	0
September	6.3	S.	35	S.	0	12	7	2	1	16	8	4	10	0	10	11	9	7	7	0	0	0	1	0	0	0	3	0
October	6.5	SW.	54	S.	1	10	4	2	1	14	20	3	8	0	16	8	7	6	3	0	0	0	3	0	0	0	1	0
November	7.1	N.	44	SW.	1	16	7	1	1	5	10	6	14	0	5	7	18	12	10	3	1	0	1	0	0	13	1	0
December	7.7	NW.	38	NW.	0	8	11	0	1	1	17	7	17	0	4	9	18	9	8	8	2	0	0	4	0	24	1	0
Year	7.4	SW.	54	S.	4	155	86	18	21	119	163	42	128	0	100	99	167	133	112	48	32	0	13	40	0	119	32	5

HATTERAS, N. C.

[H_b=11 ft.; h_1=12 ft.; h_r=37 ft.; h_a=50 ft.]

Month.	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.
January	17.0	N.	52	N.	7	19	10	2	1	4	13	7	6	0	5	10	16	8	5	2	0	0	2	1	0	7	0	0
February	16.3	NW.	49	SW.	4	13	9	4	1	2	6	9	14	0	9	4	16	13	11	1	0	0	2	0	0	5	2	0
March	16.3	SW.	54	W.	4	8	9	5	1	10	16	7	6	0	10	12	9	9	8	0	0	0	0	0	0	4	3	2
April	16.5	SW.	50	NE.	4	6	10	5	3	14	16	3	3	0	12	7	11	13	10	0	0	0	1	0	0	0	3	0
May	15.4	NE.	37	N.	0	17	22	8	3	2	9	1	0	0	9	8	14	6	3	0	0	0	0	0	0	0	1	0
June	11.9	SW.	30	NE.	0	7	8	6	1	10	20	5	3	0	13	9	8	10	7	0	0	0	0	0	0	0	3	0
July	14.1	SW.	39	N.	0	4	6	4	0	12	31	4	1	0	7	9	15	14	12	0	0	0	0	0	0	0	9	0
August	11.0	S.	39	SW.	0	5	6	2	3	17	16	9	4	0	4	13	14	11	8	0	0	0	0	0	0	0	5	0
September	11.5	NE.	54	SW.	1	5	21	9	3	4	11	4	3	0	9	12	9	10	9	0	0	0	0	0	0	0	2	0
October	12.9	NE.	38	N.	0	12	15	4	4	1	6	4	16	0	17	9	5	3	3	0	0	0	2	0	0	0	0	0
November	15.3	W.	58	N.	4	14	14	1	2	4	11	10	4	0	10	8	12	9	7	0	0	0	0	0	0	0	0	0
December	15.8	W.	53	NW.	7	14	8	1	1	5	10	17	6	0	11	5	15	12	8	0	0	0	0	0	0	0	3	0
Year	14.5	SW.	58	N.	31	124	138	51	23	85	165	80	66	0	116	106	144	118	91	3	0	0	7	1	0	16	31	2

HAVRE, MONT.

[H_b=2,505 ft.; h_1=11 ft.; h_r=4 ft.; h_a=44 ft.]

Month.	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.
January	8.6	SW.	36	SW.	0	2	8	11	0	0	17	11	10	3	7	5	18	10	8	15	10	0	0	18	0	30	0	0
February	8.1	SW.	34	SW.	0	1	4	9	0	0	19	13	11	1	11	9	9	5	3	10	5	0	4	15	0	29	0	0
March	9.5	SW.	38	SW.	0	2	8	9	1	0	20	8	13	1	13	10	8	7	5	13	6	0	1	8	0	28	0	0
April	6.8	E.	32	N.	0	2	7	25	2	3	6	9	5	1	5	14	11	13	11	15	10	1	0	5	0	21	1	0
May	8.1	SW.	48	SW.	1	3	2	10	7	2	17	9	10	2	12	16	3	12	8	1	0	0	0	0	0	1	0	1
June	6.0	SW.	60	SW.	1	3	5	10	6	5	11	10	7	3	14	14	2	12	10	0	0	0	1	0	0	0	6	0
July	5.8	E.	32	N.	0	3	6	20	10	2	9	7	4	1	27	2	2	7	3	0	0	1	0	0	17	0	8	0
August	6.0	SW.	36	NW.	0	0	8	9	1	4	15	10	14	1	21	7	3	9	5	0	0	0	0	0	14	0	4	0
September	6.9	SW.	35	SW.	0	0	6	10	2	1	16	11	9	5	15	11	4	9	3	0	0	0	1	0	1	2	2	2
October	8.4	SW.	44	SW.	1	3	1	10	3	2	21	7	11	4	11	10	10	5	3	2	0	0	0	1	0	12	0	1
November	8.2	SW.	44	W.	1	3	3	9	1	0	25	8	8	3	16	10	4	1	1	3	1	0	0	5	0	24	0	1
December	8.3	SW.	36	W.	0	1	0	18	3	1	25	9	5	0	6	9	16	7	6	11	7	0	1	10	0	29	0	0
Year	7.6	SW.	60	SW.	4	23	58	150	36	20	201	112	107	25	158	118	90	97	66	70	39	2	8	62	32	176	21	5

Annual meteorological summary for the year ending December 31, 1920—Continued.

HELENA, MONT.

[ϕ=46° 34′ N.; λ=112° 04′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	25.866	26.179	25.360	21.4	27.4	25.3	33.8	15.6	24.7	54	−6	14	14	14	70	56	63	0.087	0.088	0.088	0.66	0.29	5.5	6.8	5.4	6.4
February	25.901	26.210	25.410	22.1	28.8	29.5	33.5	17.5	25.5	48	0	16	18	20	77	62	65	.091	.102	.107	.36	.15	5.1	5.7	5.5	5.5
March	25.614	26.240	25.060	23.0	31.9	33.1	38.1	19.7	28.9	58	−20	14	18	16	68	54	49	.091	.098	.098	1.27	.80	5.6	6.6	5.4	6.3
April	25.655	26.150	25.240	31.7	41.0	42.3	45.8	29.3	37.6	62	7	25	27	27	74	59	55	.136	.150	.147	1.71	.44	8.1	7.6	7.6	7.9
May	25.761	26.100	25.480	41.4	55.0	56.1	59.6	39.0	49.3	78	26	30	29	28	65	42	38	.166	.165	.156	2.56	1.08	5.9	6.5	6.2	6.4
June	25.781	26.015	25.530	49.0	65.9	65.3	70.2	45.9	58.0	81	34	37	37	38	65	36	40	.226	.224	.238	2.01	.38	4.6	6.0	7.5	6.1
July	25.878	26.080	25.610	57.5	77.9	79.2	83.4	55.4	69.4	96	44	45	47	42	65	36	31	.303	.331	.277	.76	.40	2.2	3.1	6.1	4.2
August	25.847	26.160	25.530	54.7	73.7	75.4	80.5	53.0	66.8	95	38	41	43	41	61	36	34	.260	.289	.268	.79	.35	3.1	2.9	4.5	3.8
September	25.747	26.260	25.330	46.6	62.7	65.1	68.9	44.9	56.9	87	36	37	39	38	69	43	40	.219	.240	.234	1.39	1.20	5.3	5.4	5.8	5.3
October	25.769	26.120	25.440	37.5	47.0	46.1	52.8	33.6	43.2	81	17	29	32	31	72	56	59	.161	.178	.175	2.01	1.26	6.3	8.5	6.7	7.7
November	25.891	26.390	25.410	26.8	35.4	32.6	38.7	23.1	30.9	53	−7	19	21	21	72	55	62	.108	.118	.117	.34	.15	5.8	6.4	5.6	6.3
December	25.665	26.220	25.040	27.3	31.7	30.6	35.4	21.2	28.3	52	2	18	20	19	66	60	61	.099	.109	.105	.24	.09	7.1	7.8	6.8	7.7
Year	25.781	26.300	25.040	36.6	48.2	48.4	53.4	33.2	43.3	96	−20	27	29	28	69	50	56	.162	.174	.168	14.10	1.26	5.4	6.1	6.1	6.1

HONOLULU, HAWAII.*

[ϕ=21° 19′ N.; λ=157° 52′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.877	30.050	29.540	70.6	75.1	71.4	76.8	66.8	71.8	79	60	61	61	61	73	63	71	0.545	0.541	0.547	3.93	2.08	5.0	4.9	2.5	4.3
February	29.994	30.110	29.850	72.2	76.3	72.1	78.1	68.0	73.0	80	63	59	59	59	65	55	65	.509	.497	.509	.69	.23	3.1	3.9	1.9	3.4
March	30.028	30.200	29.790	71.7	75.6	71.6	77.6	66.5	72.0	82	63	60	60	60	68	60	67	.526	.526	.520	3.76	1.14	5.4	5.5	3.3	5.3
April	30.002	30.160	29.840	73.6	76.9	72.5	78.4	68.9	73.6	82	65	61	61	61	66	59	69	.541	.547	.548	.94	.38	5.4	4.3	4.3	4.7
May	29.958	30.070	29.790	76.4	79.1	75.1	81.0	70.5	75.8	84	68	65	65	65	67	62	72	.609	.617	.626	1.25	.38	5.0	5.6	4.5	5.9
June	29.976	30.070	29.860	77.4	80.2	76.2	82.5	72.6	77.6	85	69	64	64	65	65	59	68	.606	.596	.608	.35	.24	4.8	5.3	3.8	4.5
July	29.982	30.070	29.790	77.9	81.7	77.5	83.4	73.8	78.6	85	71	66	65	65	66	58	67	.628	.623	.624	.40	.18	6.0	5.3	5.5	6.1
August	29.958	30.040	29.820	78.6	82.3	78.0	84.3	74.6	79.4	87	72	66	66	67	66	58	68	.642	.645	.653	.75	.28	4.5	4.7	4.6	4.8
September	29.968	30.051	29.840	78.8	82.5	77.8	83.6	74.5	79.0	86	72	65	65	65	63	55	66	.618	.608	.622	.32	.08	4.9	5.0	4.6	5.3
October	29.961	30.053	29.820	78.1	81.9	76.9	83.0	73.0	78.0	85	69	66	64	66	66	57	69	.627	.610	.635	.85	.26	4.0	3.9	3.1	4.0
November	30.006	30.120	29.850	74.3	77.7	73.8	79.3	69.4	74.4	84	65	63	62	62	68	60	67	.575	.567	.556	3.53	2.18	5.2	6.5	4.3	5.3
December	29.988	30.110	29.690	73.2	76.6	73.0	78.2	69.1	73.6	83	65	62	63	64	68	64	72	.554	.580	.589	8.72	4.83	4.9	4.8	6.1	4.8
Year	29.975	30.200	29.540	75.2	78.8	74.7	80.5	70.6	75.6	87	60	63	63	63	67	59	68	.582	.580	.586	25.49	4.83	4.8	5.0	4.0	4.9

HOUGHTON, MICH.

[ϕ=47° 07′ N.; λ=88° 34′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.468	30.100	28.690	4.6	9.1	....	14.5	-2.0	6.2	30	−26	−2	2	....	72	71	....	0.642	0.049	....	3.41	0.72	7.9	7.6	....	7.8
February	29.311	30.150	28.740	8.5	15.9	....	20.4	4.4	12.4	33	−14	3	8	....	75	70	....	.052	.068	....	.78	.31	6.7	6.2	....	6.4
March	29.089	29.637	28.200	21.0	29.9	....	34.8	15.1	25.0	64	−6	16	22	....	81	72	....	.109	.135	....	3.20	1.02	6.0	5.7	....	5.7
April	29.100	29.650	28.180	30.9	35.8	....	39.5	26.7	33.1	56	11	24	28	....	76	74	....	.137	.165	....	2.81	1.01	7.1	7.1	....	6.9
May	29.376	29.707	28.780	47.7	57.8	....	62.2	39.9	51.0	80	28	37	41	....	66	56	....	.226	.275	....	1.42	.56	4.5	3.4	....	4.1
June	29.263	29.540	29.020	57.4	66.9	....	70.6	49.8	6 .2	86	40	46	55	....	66	67	....	.320	.450	....	3.49	.94	4.6	4.6	....	5.4
July	29.245	29.530	28.880	59.8	68.1	....	71.8	53.0	62.4	85	45	52	56	....	77	66	....	.401	.455	....	2.49	1.10	4.6	5.0	....	5.0
August	29.337	29.615	28.945	58.7	70.4	....	72.6	53.4	63.0	85	44	52	58	....	81	66	....	.406	.493	....	1.21	.50	5.0	3.3	....	2.9
September	29.254	29.694	28.840	55.2	66.6	....	69.6	50.1	59.8	90	34	46	53	....	73	63	....	.333	.421	....	1.00	.49	4.1	5.0	....	4.5
October	29.291	29.770	28.980	49.1	59.4	....	62.3	46.1	54.2	81	26	40	46	....	74	64	....	.272	.331	....	2.50	1.24	5.3	4.4	....	4.8
November	29.353	29.792	28.700	30.3	34.4	....	36.1	28.3	32.2	47	16	19	28	....	62	76	....	.104	.155	....	3.41	.94	8.7	8.2	....	8.6
December	29.106	29.720	27.890	24.6	27.2	....	29.8	20.2	25.0	47	−7	19	23	....	79	84	....	.105	.129	....	4.58	1.31	9.0	8.9	....	8.8
Year	29.266	30.150	27.890	37.8	45.1	....	48.7	32.1	40.4	90	−26	29	35	....	74	69	....	.209	.260	....	30.30	1.31	6.1	5.8	....	5.9

HOUSTON, TEX.

[ϕ=29° 47′ N.; λ=95° 24′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.024	30.310	29.640	46.8	54.2	....	60.3	43.9	52.1	78	33	43	44	....	88	72	....	0.203	0.320	....	6.44	4.48	6.1	6.5	....	6.7
February	29.955	30.340	29.530	52.5	63.1	....	66.8	50.2	58.5	83	36	48	48	....	84	60	....	.355	.360	....	1.20	.63	5.7	5.4	....	5.9
March	29.868	30.410	29.290	55.1	66.1	....	69.9	53.2	61.6	84	31	49	48	....	81	55	....	.394	.379	....	2.31	.93	6.5	6.3	....	6.2
April	29.679	30.060	29.260	61.2	73.4	....	77.9	58.5	68.2	92	38	54	54	....	80	55	....	.457	.462	....	.39	.34	6.0	6.0	....	5.4
May	29.769	29.940	29.620	71.4	83.0	....	86.1	68.8	77.4	94	62	68	66	....	90	58	....	.696	.651	....	4.79	2.35	4.6	5.5	....	5.2
June	29.834	30.000	29.619	74.2	83.4	....	87.9	70.8	79.4	93	65	70	69	....	88	64	....	.747	.798	....	3.81	2.34	2.4	5.0	....	4.3
July	29.883	30.030	29.670	77.3	87.3	....	91.9	74.4	83.2	97	70	74	71	....	88	59	....	.827	.760	....	3.84	1.10	2.5	4.9	....	4.5
August	29.842	29.960	29.690	75.8	85.8	....	89.7	73.7	81.7	95	69	74	72	....	93	64	....	.828	.796	....	11.26	2.48	2.7	6.8	....	6.3
September	29.822	30.070	29.580	73.6	85.9	....	89.8	71.9	80.8	96	52	70	69	....	90	58	....	.760	.718	....	4.36	2.02	2.1	3.9	....	3.4
October	29.897	30.190	29.599	63.1	76.2	....	78.8	62.1	70.4	86	46	60	60	....	90	60	....	.542	.545	....	9.04	3.26	4.2	4.5	....	3.9
November	30.021	30.350	29.640	51.4	62.8	....	65.9	49.7	57.8	82	29	47	48	....	85	60	....	.349	.368	....	6.07	3.61	4.5	4.9	....	5.0
December	29.912	30.350	29.460	49.1	60.1	....	64.9	46.3	55.6	79	28	44	47	....	86	65	....	.321	.354	....	3.96	1.19	5.4	5.0	....	5.0
Year	29.876	30.410	29.260	62.6	73.4	....	77.5	60.3	68.9	97	28	59	58	....	87	61	....	.548	.533	....	57.48	4.48	4.5	5.4	....	5.2

* At Honolulu observations taken at 8 a. m. and 8 p. m., time of meridian of 157° 30′.

Annual meteorological summary for the year ending December 31, 1920—Continued.

HELENA, MONT.

[H_b=4,110 ft.; h_1=87 ft.; h_2=80 ft.; h_3=112 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	7.0	SW.	54	SW.	3	5	0	0	0	0	38	6	13	0	6	9	16	6	5	9	3	0	0	14	0	24	0	0
February	6.4	SW.	40	SW.	1	2	1	0	0	0	25	10	20	0	7	10	12	5	3	13	5	0	0	10	0	26	0	0
March	7.9	SW.	37	SW.	0	4	1	1	1	2	31	9	12	1	7	7	17	11	6	18	10	0	0	9	0	29	0	0
April	8.2	SW.	36	SW.	0	1	1	3	1	2	25	15	10	2	2	4	24	17	12	20	15	0	0	3	0	18	0	0
May	8.1	SW.	38	SW.	0	5	5	1	2	3	28	5	11	2	6	12	13	10	5	5	1	1	0	0	0	3	1	0
June	7.4	SW.	39	SW.	0	2	11	1	2	7	31	1	5	0	3	17	10	14	9	1	0	4	0	0	0	0	11	0
July	7.4	SW.	37	SW.	0	2	4	3	4	8	29	4	7	1	12	15	4	10	3	0	0	1	0	0	4	0	16	0
August	7.9	SW.	43	SW.	1	9	5	3	0	5	31	3	5	1	14	12	5	8	5	0	0	0	0	0	7	0	12	0
September	6.9	SW.	28	SW.	0	3	7	2	2	1	35	7	3	0	10	8	12	8	4	1	0	1	0	0	0	0	3	3
October	7.2	SW.	40	SW.	1	7	0	1	0	9	33	5	7	0	2	10	19	11	7	5	4	0	0	2	0	16	0	3
November	6.6	SW.	38	SW.	0	1	0	0	0	3	43	6	4	3	7	7	16	4	3	9	3	0	0	6	0	22	0	1
December	7.7	SW.	47	SW.	1	1	0	0	1	3	43	7	6	1	2	9	20	8	2	14	7	0	0	6	0	27	0	0
Year	7.4	SW.	54	SW.	7	42	35	15	13	43	392	78	103	11	78	120	168	112	64	95	48	7	0	50	11	165	43	7

HONOLULU, HAWAII.*

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

Month.	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.
January	7.4	NE.	34	W.	0	8	21	10	3	3	4	4	6	3	16	9	6	6	5	0	0	0	0	0	0	0	1	0
February	7.5	NE.	23	NE.	0	1	28	23	2	0	0	0	2	2	16	13	0	8	4	0	0	0	0	0	0	0	0	0
March	7.6	NE.	28	W.	0	4	30	17	2	0	2	3	4	0	9	15	7	13	10	0	0	0	0	0	0	0	4	0
April	8.4	NE.	25	NE.	0	4	29	20	3	2	1	1	0	0	13	8	9	11	5	0	0	0	0	0	0	0	0	0
May	6.1	NE.	23	SE.	0	5	22	18	6	0	4	4	3	0	8	12	11	8	7	0	0	0	0	0	0	0	0	0
June	8.9	E.	27	E.	0	0	14	39	5	0	1	0	1	0	15	6	9	8	2	0	0	0	0	0	0	0	0	0
July	8.0	E.	30	E.	0	1	34	24	0	1	1	0	0	1	6	15	10	10	4	0	0	0	0	0	0	0	0	0
August	8.5	E.	27	NE.	0	2	27	30	1	0	0	1	1	0	13	13	5	15	6	0	0	0	0	0	0	0	0	0
September	8.8	E.	23	NE.	0	1	30	29	0	0	0	0	0	0	8	17	5	12	3	0	0	0	0	0	0	0	0	0
October	7.9	E.	28	NE.	0	0	21	38	0	1	0	1	1	0	15	14	2	13	10	0	0	0	0	0	0	0	0	0
November	8.1	NE.	28	NE.	0	6	27	22	1	1	0	2	1	0	6	19	5	18	15	0	0	0	0	0	0	0	0	0
December	9.5	E.	37	NE.	0	1	20	32	2	3	2	1	1	0	13	9	9	15	11	0	0	0	0	0	0	0	1	0
Year	8.1	NE.	37	NE.	0	33	303	302	25	11	15	17	20	6	138	150	78	137	82	0	0	0	0	0	0	0	6	0

HOUGHTON, MICH.

[H_b=668 ft.; h_1=62 ft.; h_2=57 ft.; h_3=99 ft.]

Month.	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.
January	10.2	W.	40	NW.	3	2	2	8	2	2	0	8	7	0	4	5	22	18	17	22	18	0	0	31	0	31	0	0
February	9.8	W.	40	W.	1	0	1	6	0	0	5	15	2	0	7	7	15	10	6	15	10	0	0	28	0	29	0	0
March	11.0	E.	40	W.	1	3	2	12	2	0	1	9	2	0	9	7	15	14	12	12	9	0	1	13	0	27	2	1
April	12.6	W.	42	W.	2	3	1	7	1	0	1	12	4	1	5	8	17	13	10	12	9	0	1	7	0	21	1	2
May	8.8	E.	39	W.	0	0	1	15	0	3	2	9	1	0	15	10	6	7	5	0	0	0	0	0	0	7	3	0
June	9.1	E.	44	W.	1	0	3	10	0	0	3	10	2	2	9	12	9	13	12	0	0	0	2	0	0	0	5	0
July	9.3	W.	52	NW.	2	2	0	12	0	0	3	8	4	2	11	11	9	7	5	0	0	0	2	0	0	0	4	0
August	7.4	E.	28	N.	0	3	1	15	1	0	1	7	3	0	18	8	5	7	6	0	0	0	1	0	0	0	2	0
September	9.0	E.	44	W.	2	2	1	17	1	2	2	3	2	0	10	16	4	10	4	0	0	1	4	0	1	0	4	1
October	8.6	E.	41	SW.	1	4	0	15	1	0	2	8	1	0	13	9	9	12	8	3	2	1	6	1	0	3	2	0
November	9.7	W.	38	W.	0	2	4	9	0	1	2	6	4	2	1	5	24	16	12	13	11	0	0	6	0	17	0	1
December	10.5	W.	46	W.	2	2	0	11	1	1	0	10	6	0	2	3	26	22	15	22	20	0	0	17	0	28	0	0
Year	9.7	E.	52	NW.	15	23	16	137	9	9	22	105	38	7	104	101	161	149	112	99	79	2	17	102	1	163	23	5

HOUSTON, TEX.

[H_b=138 ft.; h_1=111 ft.; h_2=104 ft.; h_3=121 ft.]

Month.	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.
January	8.1	N.	25	NE.	0	16	2	3	1	4	0	1	4	0	8	6	17	12	9	0	0	0	6	0	0	0	3	0
February	8.2	NW.	29	S.	0	9	4	2	5	0	4	1	4	0	8	9	12	5	3	0	0	0	1	0	0	0	2	0
March	11.2	SE.	37	S.	0	3	4	4	7	5	3	1	4	0	10	3	18	12	6	1	0	0	0	0	0	1	0	1
April	10.4	SE.	33	NW.	0	4	2	5	9	3	3	0	4	0	10	8	12	4	2	0	0	0	0	0	1	0	2	0
May	8.8	SE.	39	E.	0	4	0	4	12	5	0	2	4	0	8	16	7	8	7	0	0	0	0	0	5	0	7	0
June	6.7	SE.	29	SE.	0	5	9	6	4	5	1	0	0	0	10	17	3	10	9	0	0	0	0	0	7	0	9	0
July	6.1	S.	27	SE.	0	3	3	1	5	6	6	6	1	0	11	18	2	12	8	0	0	0	0	0	22	0	12	0
August	5.5	SE.	33	SE.	0	3	7	5	3	8	0	2	2	1	2	19	10	17	14	0	0	0	1	0	17	0	17	0
September	6.8	S.	25	N.	0	9	4	0	2	9	1	0	4	1	18	10	2	7	5	0	0	0	1	0	20	0	6	0
October	8.6	SE.	29	SE.	0	5	10	7	6	0	0	0	3	0	10	10	5	9	8	0	0	0	1	0	0	0	4	0
November	8.6	SE.	28	NW.	0	7	5	8	2	2	0	0	6	0	9	14	7	7	6	0	0	0	3	0	0	1	2	0
December	9.2	SE.	31	S.	0	4	2	7	5	3	2	1	6	1	11	9	11	10	8	0	0	0	4	0	0	2	2	0
Year	8.2	N.	39	E.	0	72	52	52	61	50	20	14	42	3	121	139	106	113	85	1	0	0	17	0	72	4	86	1

*At Honolulu for the observation hours see preceding page.

Annual meteorological summary for the year ending December 31, 1920—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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.808	29.410	28.218	11.0	17.2	17.3	24.7	5.0	14.8	51	−18	6	9	11	78	70	75	0.061	0.073	0.081	0.30	0.13	6.3	6.2	5.1	5.7
February	28.734	29.327	28.160	16.2	23.4	23.9	29.9	12.1	21.0	44	−14	13	17	18	86	76	78	.083	.100	.105	0.65	0.33	5.4	6.6	5.2	6.5
March	28.437	29.129	27.410	22.7	33.9	34.2	40.3	19.5	29.9	68	−14	19	22	26	84	64	72	.117	.131	.154	1.72	0.58	4.5	4.1	4.0	4.4
April	28.518	28.860	28.030	30.9	41.0	42.4	45.6	28.2	36.9	60	11	25	24	26	79	52	54	.144	.141	.156	3.05	1.02	5.9	5.8	5.8	5.9
May	28.633	29.054	28.119	51.2	62.7	62.9	66.8	47.4	57.1	83	38	45	44	45	80	53	56	.309	.300	.315	4.73	1.37	5.9	6.2	5.5	5.6
June	28.564	28.860	28.276	61.1	71.9	72.3	76.0	57.4	66.7	93	44	57	57	58	85	62	63	.476	.486	.508	6.27	1.67	5.1	5.4	4.8	5.0
July	28.632	28.860	28.300	64.7	77.2	77.8	81.4	61.3	71.4	96	54	60	61	62	85	59	60	.519	.545	.563	5.39	2.22	4.8	3.0	3.1	3.3
August	28.642	28.870	28.200	59.1	77.0	75.9	80.9	56.3	68.6	90	45	54	55	56	84	48	53	.431	.449	.472	1.74	0.92	1.9	2.1	2.6	2.1
September	28.547	29.050	28.000	54.6	71.4	68.3	75.2	51.8	63.5	91	27	50	50	52	86	50	59	.378	.388	.416	1.93	1.18	3.1	3.4	3.5	3.8
October	28.574	29.004	28.170	44.5	62.9	58.3	67.1	42.0	54.6	88	20	38	41	41	78	49	55	.241	.278	.273	0.52	0.25	3.5	2.9	2.7	2.9
November	28.744	29.320	28.260	25.4	34.3	32.5	37.8	23.1	30.4	56	7	22	26	26	84	72	77	.122	.148	.145	0.92	0.65	6.0	6.6	6.3	6.4
December	28.537	29.080	27.980	16.9	25.3	24.4	30.6	13.3	22.0	48	−19	13	18	18	83	74	77	.088	.111	.112	0.73	0.50	5.0	5.3	3.8	5.0
Year	28.614	29.410	27.410	38.2	49.8	49.2	54.7	34.8	44.7	96	−19	34	35	37	83	61	65	.247	.262	.275	27.95	2.22	4.8	4.8	4.4	4.7

INDEPENDENCE, CALIF.

[ϕ=36° 48′ N.; λ=118° 12′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	26.084	26.350	25.810	35.9	53.2	49.9	56.9	32.5	44.7	71	24	19	21	21	50	28	32	0.102	0.114	0.114	0	0	2.3	3.9	4.2	4.0
February	26.007	26.280	25.580	35.2	51.0	50.8	54.9	32.3	43.6	64	27	24	25	25	64	39	39	.131	.136	.139	1.15	0.44	2.6	3.7	3.7	3.5
March	25.874	26.370	25.460	37.2	55.5	56.4	59.8	33.8	46.8	72	25	24	21	19	59	26	24	.129	.112	.103	0.67	0.33	2.7	3.3	3.3	3.3
April	25.867	26.210	25.560	44.3	64.7	64.4	68.7	40.8	54.8	82	30	23	22	23	42	19	21	.121	.116	.122	0.24	0.23	1.8	1.8	2.7	2.3
May	25.857	26.070	25.656	52.2	75.8	77.1	79.9	50.3	65.1	94	39	29	26	27	42	17	17	.158	.144	.147	0.11	0.11	1.5	2.6	3.3	2.8
June	25.879	26.050	25.610	57.8	81.4	83.3	85.6	56.6	71.1	97	46	33	31	32	42	18	18	.194	.178	.182	0.20	0.19	1.4	3.0	3.3	2.9
July	25.977	26.140	25.678	62.5	89.9	91.6	94.2	60.6	77.4	100	54	33	31	32	35	13	13	.194	.178	.191	T.	T.	1.1	1.5	2.1	2.0
August	25.954	26.100	25.711	63.6	88.7	89.3	92.0	61.1	76.6	102	47	38	37	39	41	19	20	.231	.230	.243	0.77	0.77	0.7	1.5	2.5	1.8
September	25.939	26.190	25.560	54.5	80.0	78.5	82.9	52.0	67.4	93	39	33	31	32	46	18	19	.196	.184	.187	T.	T.	1.0	1.3	2.5	1.9
October	25.937	26.170	25.600	43.3	65.5	61.5	68.1	39.8	54.0	85	28	24	25	26	47	22	27	.129	.135	.140	0.11	0.11	1.1	2.6	3.1	2.7
November	26.051	26.270	25.670	35.7	55.3	50.4	58.2	31.8	45.0	69	23	22	25	25	57	32	37	.116	.135	.132	0.07	0.05	1.7	4.0	4.2	3.6
December	25.992	26.310	25.550	30.8	49.4	44.3	52.9	27.4	40.2	69	21	21	22	22	65	35	40	.111	.119	.117	0.32	0.22	2.2	3.8	3.4	3.8
Year	25.952	26.370	25.460	46.1	67.5	66.5	71.2	43.2	57.2	102	21	27	26	27	49	24	26	.151	.148	.151	3.64	0.77	1.7	2.8	3.2	2.9

INDIANAPOLIS, IND.

[ϕ=39° 46′ N.; λ=86° 10′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.331	29.810	28.560	19.4	25.5	24.3	29.6	14.8	22.2	46	1	16	18	18	86	71	75	0.094	0.105	0.102	2.01	0.83	6.9	5.3	5.8	6.2
February	29.174	29.550	28.700	25.9	31.2	31.5	35.5	23.0	29.2	58	−1	22	22	24	84	67	72	.126	.122	.135	1.35	0.82	7.0	7.5	7.1	7.5
March	29.076	29.540	28.390	36.8	46.6	45.7	51.4	33.2	42.3	75	6	30	30	32	75	56	62	.180	.187	.197	2.66	0.77	5.3	5.6	4.4	5.5
April	28.932	29.230	28.350	42.4	50.0	48.6	55.4	38.2	48.8	77	23	35	36	37	76	62	67	.218	.233	.240	7.26	3.25	7.0	7.4	7.0	7.4
May	29.176	29.560	28.840	56.0	66.2	65.8	70.3	51.6	61.0	85	36	46	44	46	70	49	52	.326	.318	.333	5.04	2.24	5.9	5.8	6.7	5.5
June	29.136	29.445	28.660	66.4	76.9	74.8	80.4	61.8	71.1	92	50	58	56	56	75	50	55	.495	.457	.472	3.78	1.23	5.2	5.1	5.0	5.2
July	29.144	29.350	28.829	68.5	79.6	77.1	83.0	63.9	73.4	95	56	60	59	61	74	51	58	.523	.509	.542	4.51	1.71	4.4	4.8	4.4	4.7
August	29.170	29.370	28.950	66.3	77.3	75.2	80.9	63.1	72.0	91	49	60	58	60	80	54	60	.531	.508	.528	1.85	0.73	6.5	5.7	4.9	5.5
September	29.150	29.380	28.880	62.2	74.8	72.0	78.9	59.8	69.4	89	42	57	56	56	82	54	59	.475	.471	.470	2.37	1.04	5.0	4.6	4.4	4.5
October	29.244	29.550	28.695	53.6	68.8	64.6	71.6	51.7	61.6	82	33	46	46	46	76	45	52	.328	.321	.322	1.96	0.78	3.9	4.0	3.1	4.0
November	29.251	29.700	28.748	37.4	44.4	42.6	48.2	34.8	41.5	65	16	32	32	32	79	63	68	.189	.195	.198	2.12	1.18	6.5	5.9	6.6	7.0
December	29.080	29.500	28.330	30.0	35.7	34.9	39.6	26.8	33.2	56	−3	26	28	29	83	75	78	.150	.169	.171	3.27	0.85	7.3	7.3	7.3	7.8
Year	29.155	29.810	28.330	47.1	56.4	54.8	60.4	43.6	52.0	95	−3	41	40	41	78	58	63	.303	.300	.309	38.18	3.25	5.9	5.8	5.6	5.9

IOLA, KANS.

[ϕ=37° 55′ N.; λ=95° 25′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.151	29.600	28.551	25.0	33.5	31.6	39.0	22.0	30.5	61	7	22	26	....	88	74	....	0.122	0.142	....	0.76	0.50	5.2	5.5	....	5.5
February	29.063	29.416	28.560	28.5	40.6	39.1	46.7	26.9	36.8	69	8	25	29	....	86	64	....	.140	.167	....	0.15	0.11	4.7	6.0	....	5.8
March	28.852	29.489	28.100	37.4	51.3	51.4	58.7	34.1	46.4	74	1	30	35	....	76	57	....	.190	.227	....	5.36	3.06	5.4	5.6	....	5.5
April	28.710	29.091	28.220	42.8	57.7	56.0	63.6	40.6	52.1	82	18	38	41	....	84	57	....	.240	.276	....	2.01	0.48	5.4	5.1	....	6.0
May	28.967	29.270	28.590	58.3	70.2	69.0	75.8	56.5	66.2	89	44	55	58	....	88	66	....	.439	.494	....	4.71	1.17	4.0	7.6	....	6.7
June	28.949	29.120	28.580	65.9	79.6	78.0	83.9	62.2	73.0	93	47	59	62	....	80	56	....	.516	.567	....	3.59	1.42	4.6	4.4	....	4.0
July	28.969	29.170	28.640	67.9	83.8	82.5	89.4	66.0	77.7	99	56	64	66	....	88	56	....	.606	.639	....	4.13	1.80	4.8	4.3	....	4.3
August	28.962	29.180	28.590	64.0	80.6	76.2	85.5	62.5	74.0	96	54	62	63	....	92	56	....	.554	.588	....	7.55	1.87	5.5	5.0	....	5.5
September	28.946	29.330	28.520	61.3	77.1	74.3	81.5	60.4	71.0	91	37	59	61	....	92	59	....	.517	.568	....	4.18	1.33	4.6	4.4	....	4.8
October	28.984	29.350	28.590	52.2	68.5	62.5	72.5	51.3	61.9	88	31	48	51	....	86	58	....	.352	.404	....	4.09	1.00	4.2	4.8	....	4.7
November	29.094	29.670	28.600	35.8	45.1	42.4	50.1	33.2	41.6	72	13	32	34	....	88	66	....	.199	.207	....	1.35	0.60	6.3	6.2	....	6.7
December	28.916	29.410	28.260	31.5	40.9	38.2	46.3	27.8	37.0	66	6	26	30	....	80	66	....	.154	.178	....	0.89	0.57	4.9	5.7	....	6.0
Year	28.959	29.670	28.100	47.6	60.7	58.4	66.1	45.3	55.7	99	1	43	46	....	86	61	....	.336	.370	....	38.77	3.06	5.0	5.4	....	5.5

Annual meteorological summary for the year ending December 31, 1920—Continued.

HURON, S. DAK.

[H_b=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.	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	NW.	36	N.	0	7	5	4	19	3	2	3	18	1	8	11	12	9	4	19	9	0	0	20	0	31	0	0
February	10.8	NW.	36	NW.	0	11	3	2	9	6	1	4	21	1	7	7	15	6	3	11	6	0	5	18	0	29	0	0
March	13.7	NW.	60	NW.	3	9	3	0	15	6	4	6	19	0	16	6	9	10	6	7	5	1	1	8	0	26	3	0
April	11.7	NW.	31	NW.	0	12	11	8	6	2	2	1	18	0	10	6	14	12	8	5	0	0	1	3	0	17	0	0
May	11.6	SE.	43	NE.	1	5	6	9	19	14	1	3	5	0	10	10	11	14	11	0	0	0	0	0	0	0	10	0
June	9.5	SE.	52	NW.	2	9	7	8	15	6	4	1	10	0	10	12	8	15	13	0	0	0	2	0	4	0	12	0
July	8.1	SE.	33	N.	0	5	9	6	16	10	2	5	9	0	18	9	4	9	7	0	0	1	1	0	2	0	9	0
August	8.7	SE.	38	NW.	0	6	5	3	25	9	2	4	8	0	25	3	3	5	4	0	0	0	0	0	0	0	6	0
September	8.8	S.	44	NW.	1	5	3	3	19	15	3	3	8	1	16	8	6	4	3	0	0	1	5	0	4	1	5	1
October	10.8	SE.	32	S.	0	9	2	5	19	7	5	5	10	0	21	4	6	4	4	1	1	0	0	0	0	7	2	1
November	9.7	NW.	36	N.	0	10	2	2	12	10	2	9	13	0	7	9	14	5	3	10	1	0	1	7	0	27	0	2
December	9.5	NW.	38	NW.	0	6	4	5	12	7	4	8	16	0	10	11	10	6	4	11	6	0	6	12	0	31	0	1
Year	10.4	SE.	60	NW.	7	94	60	55	186	95	32	52	155	3	158	96	112	99	70	64	28	3	22	68	10	169	47	5

INDEPENDENCE, CALIF.

[H_b=3,957 ft.; h_t=9 ft.; h_r=4 ft.; h_a=41 ft.]

Month.	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.
January	7.6	NW.	34	NW.	0	2	3	4	6	4	0	2	41	0	12	15	4	0	0	0	0	0	0	0	0	17	0	0
February	6.3	NW.	36	W.	0	1	0	4	12	5	5	4	27	0	18	7	4	7	6	2	2	0	0	0	0	16	0	0
March	7.4	NW.	38	NW.	0	3	0	0	12	5	8	9	24	1	17	10	4	5	3	2	1	0	0	0	0	10	0	0
April	9.5	NW.	35	N.	0	6	0	1	9	2	5	14	23	0	24	3	3	3	1	0	0	0	0	0	0	2	0	0
May	7.0	NW.	30	SE.	0	2	3	0	12	5	5	13	22	0	21	9	1	2	2	0	0	0	0	0	3	0	2	0
June	6.8	NW.	25	SE.	0	0	1	7	14	7	3	8	19	1	19	7	4	2	1	0	0	0	0	0	7	0	2	0
July	6.5	S.	29	SE.	0	0	2	3	16	13	14	9	5	0	25	5	1	0	0	0	0	0	0	0	25	0	1	0
August	5.2	S.	22	S.	0	4	2	0	9	22	9	5	11	0	26	4	1	1	1	0	0	0	0	0	23	0	2	0
September	5.6	S.	33	NW.	0	12	0	4	4	15	12	4	9	0	23	7	0	0	0	0	0	0	0	0	3	0	1	0
October	6.2	NW.	30	W.	0	3	5	3	16	8	4	4	19	0	24	3	4	1	1	0	0	0	0	0	0	3	0	0
November	4.6	NW.	33	W.	0	5	9	1	10	7	8	2	17	1	16	11	3	3	1	2	2	0	0	0	0	18	0	0
December	5.2	NW.	30	SE.	0	10	3	0	6	9	1	2	31	0	15	11	5	4	3	0	0	0	0	0	0	27	0	0
Year	6.5	NW.	38	NW.	0	48	28	27	126	102	74	76	248	3	240	92	34	28	19	6	5	0	0	0	61	93	8	0

INDIANAPOLIS, IND.

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

Month.	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.
January	13.1	NE.	34	NW.	0	7	10	7	5	7	8	9	9	0	10	5	16	10	8	16	6	0	2	19	0	31	0	0
February	12.6	W.	34	W.	0	2	12	3	2	7	7	11	14	0	3	10	16	8	5	14	6	0	2	8	0	25	0	0
March	17.4	S.	56	S.	4	2	2	2	6	20	13	7	10	0	12	6	13	11	7	8	2	1	2	3	0	14	2	1
April	15.6	W.	47	S.	6	3	7	9	8	7	9	13	4	0	3	10	17	19	14	4	3	1	0	0	0	10	8	0
May	11.8	NE.	36	SW.	0	4	20	10	7	8	5	5	3	0	7	15	9	10	6	0	0	0	0	0	0	0	2	0
June	10.4	SW.	48	NW.	1	3	11	5	5	9	21	5	1	0	11	10	9	9	7	0	0	1	0	0	6	0	8	0
July	9.5	SW.	58	NW.	2	7	11	3	4	12	15	6	4	0	10	15	6	11	8	0	0	2	0	0	3	0	12	0
August	8.4	NE.	44	SE.	1	9	18	8	3	9	6	6	3	0	11	9	11	8	7	0	0	0	0	0	1	0	7	0
September	9.8	S.	31	NW.	0	7	5	6	8	12	10	6	6	0	13	8	9	8	6	0	0	0	2	0	0	0	6	0
October	10.1	S.	38	SW.	0	4	6	1	6	28	9	4	4	0	16	5	10	4	4	2	0	0	1	0	0	0	3	1
November	11.8	W.	32	W.	0	2	5	1	7	9	13	10	13	0	5	10	15	9	7	6	1	0	0	3	0	9	0	0
December	15.4	W.	52	W.	3	1	4	2	7	16	7	22	3	0	2	8	21	11	7	11	4	0	2	6	0	21	1	0
Year	12.2	S.	58	NW.	17	51	111	57	68	144	123	104	74	0	103	111	152	118	86	61	22	5	11	39	10	110	49	2

IOLA, KANS.

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

Month.	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.
January	7.4	S.	27	N.	0	7	5	2	2	8	3	1	3	0	10	11	10	5	5	4	4	0	3	8	0	31	0	0
February	7.3	N.	22	N.	0	12	0	3	3	1	2	1	6	0	9	10	10	4	1	3	2	0	0	2	0	20	0	0
March	11.5	S.	36	W.	0	2	2	2	3	11	4	2	5	0	10	11	10	10	6	2	2	0	0	4	0	13	5	0
April	9.6	E.	31	W.	0	5	3	8	4	3	2	1	4	0	8	11	11	12	10	1	1	0	0	0	0	4	5	0
May	6.9	E.	20	N.	0	6	3	12	2	5	0	1	2	0	2	19	10	16	11	0	0	0	0	0	0	0	3	0
June	6.5	S.	21	NE.	0	2	4	2	4	12	3	2	1	0	17	7	6	6	6	0	0	0	0	0	7	0	4	0
July	4.4	S.	24	NE.	0	2	6	6	3	10	1	0	2	1	14	13	4	9	8	0	0	1	0	0	15	0	11	0
August	4.2	E.	24	N.	0	4	4	6	2	7	0	1	4	3	8	15	8	11	11	0	0	0	0	0	4	0	11	0
September	5.5	S.	22	N.	0	5	3	3	2	10	2	1	3	1	11	11	8	10	8	0	0	0	1	0	3	0	6	0
October	6.9	S.	23	NE.	0	3	3	2	7	12	1	2	1	0	14	6	11	9	9	0	0	0	0	0	0	0	2	0
November	6.3	S.	22	NW.	0	8	3	2	2	8	2	3	2	0	6	9	15	8	8	2	0	0	0	2	0	14	0	0
December	8.8	S.	28	NW.	0	4	3	2	4	8	2	2	6	0	9	9	13	6	4	3	0	1	4	4	0	18	1	0
Year	7.2	S.	36	W.	0	60	39	50	38	95	23	17	39	5	118	132	116	106	87	15	9	2	8	21	29	102	53	0

Annual meteorological summary for the year ending December 31, 1920—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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.150	30.440	29.780	51.3	60.6	57.2	65.0	49.6	57.3	79	25	46	47	48	82	64	76	0.340	0.355	0.369	1.21	0.65	3.3	3.8	4.1	4.0
February	29.987	30.400	29.530	47.8	55.7	54.5	61.2	46.6	53.9	74	32	43	47	47	85	75	76	.304	.349	.342	9.16	4.16	5.8	4.7	4.1	4.9
March	30.065	30.500	29.580	53.7	63.2	60.3	67.5	51.5	59.5	88	31	47	49	50	79	62	70	.363	.391	.397	0.82	0.40	4.7	3.9	3.4	3.9
April	29.884	30.190	29.530	65.1	73.7	68.5	76.6	60.9	68.8	88	43	58	57	58	80	58	72	.522	.503	.516	3.42	1.39	4.3	4.9	4.6	4.6
May	29.944	30.230	29.730	69.7	76.1	70.7	78.0	65.8	71.9	87	61	64	62	63	83	63	79	.600	.558	.587	7.41	5.36	4.2	5.0	4.2	4.3
June	29.979	30.210	29.780	76.1	83.0	77.1	85.6	71.7	78.6	95	66	71	68	69	84	61	76	.758	.683	.706	8.27	4.73	3.4	3.3	4.0	3.3
July	30.028	30.230	29.800	78.2	84.3	78.2	87.8	72.5	80.2	92	67	73	71	71	84	64	80	.810	.754	.771	5.47	1.21	3.2	4.3	6.3	4.5
August	30.014	30.160	29.840	77.4	84.9	78.4	87.6	73.5	80.6	94	68	74	72	72	88	67	82	.825	.791	.796	7.46	2.73	2.8	5.4	5.2	4.8
September	29.935	30.100	29.430	75.1	83.1	77.2	85.9	71.7	78.8	95	53	71	70	70	88	66	81	.772	.738	.757	7.14	3.00	3.2	5.2	3.9	4.5
October	30.072	30.340	29.870	63.8	73.8	69.1	75.7	62.0	68.8	82	45	58	58	60	84	60	74	.523	.509	.538	0.11	0.04	1.7	4.1	2.1	3.1
November	30.068	30.340	29.620	56.5	65.7	62.0	69.4	53.8	61.6	80	38	52	53	55	87	67	78	.420	.427	.446	5.38	2.71	4.8	4.8	3.3	4.8
December	30.049	30.350	29.770	50.5	59.7	56.3	63.7	47.1	55.4	76	35	45	44	45	83	59	68	.324	.321	.329	3.35	1.63	4.4	4.1	2.6	4.2
Year	30.015	30.500	29.430	63.8	72.0	67.5	75.3	60.6	68.0	95	25	58	58	59	84	64	76	.547	.532	.545	59.29	5.36	3.8	4.5	4.0	4.2

JUNEAU, ALASKA.*

[ϕ=58° 18′ N.; λ=134° 24′ W.]

January	29.997	30.600	29.370	21.4	24.1	22.2	26.3	18.5	22.4	44	3	14	14	15	74	68	73	0.102	0.102	0.101	14.34	4.25	6.1	6.7	5.8	6.5
February	30.143	30.720	29.046	32.4	37.1	34.4	39.2	30.3	34.8	44	13	30	30	30	89	77	85	.165	.170	.169	10.07	1.73	8.1	7.9	6.2	7.5
March	29.690	30.470	29.090	29.5	34.9	30.9	36.8	26.4	31.6	45	14	22	20	22	75	57	71	.127	.119	.127	4.63	0.85	6.8	6.8	5.3	6.4
April	29.880	30.310	29.440	34.1	42.1	37.0	43.6	29.9	36.8	57	14	26	26	27	74	55	68	.153	.142	.154	4.64	1.15	5.7	6.5	7.1	7.0
May	29.877	30.234	29.410	44.7	51.7	46.6	54.1	36.3	45.2	70	31	36	35	35	72	56	67	.213	.207	.207	6.13	1.55	6.6	6.7	6.4	6.8
June	29.842	30.240	29.460	52.6	58.4	54.3	61.2	45.2	53.2	78	41	45	44	45	76	63	73	.296	.294	.299	4.90	0.86	8.4	8.1	7.7	8.0
July	30.014	30.320	29.760	57.6	65.4	61.0	68.9	48.6	58.8	80	42	49	51	50	75	62	69	.353	.381	.367	1.39	1.13	4.7	4.2	4.8	4.5
August	29.911	30.216	29.390	51.8	56.6	53.2	59.7	47.2	53.4	69	39	48	49	49	90	77	87	.343	.345	.350	9.71	2.52	8.5	8.4	7.7	8.1
September	29.657	30.081	29.240	45.7	52.7	47.7	55.3	42.0	48.6	64	33	44	45	45	92	76	90	.286	.299	.301	8.22	1.85	7.7	8.4	7.6	8.0
October	29.678	30.370	28.920	38.8	44.3	40.4	46.0	35.9	41.0	53	25	36	38	37	91	79	88	.218	.228	.225	10.88	1.77	8.1	8.2	7.3	8.1
November	29.718	30.420	28.933	35.9	39.2	37.2	40.9	33.1	37.0	50	22	32	32	32	85	78	84	.180	.187	.186	5.65	1.40	6.9	7.2	6.9	7.6
December	29.436	30.014	28.800	30.9	32.9	30.8	35.3	26.9	31.1	46	13	23	25	26	71	74	82	.126	.139	.143	6.01	1.43	7.3	8.3	6.1	7.5
Year	29.820	30.720	28.800	39.6	45.0	41.3	47.3	35.0	41.2	89	3	34	34	34	80	68	78	.214	.218	.219	86.57	4.25	7.1	7.3	6.6	7.2

KALISPELL, MONT.

[ϕ=48° 10′ N.; λ=114° 25′ W.]

January	27.041	27.450	26.480	21.6	26.2	26.5	31.0	17.5	24.2	48	2	17	19	21	84	74	79	0.099	0.107	0.115	0.85	0.49	7.5	7.4	7.1	7.2
February	27.076	27.440	26.530	20.9	29.0	31.3	34.3	17.5	25.9	45	4	17	20	22	84	67	69	.088	.106	.120	0.26	0.12	4.7	6.0	5.5	5.9
March	26.743	27.450	26.260	25.4	33.5	36.0	39.3	23.0	31.2	57	−8	21	23	24	82	64	61	.117	.127	.133	0.92	0.20	6.8	7.1	7.3	6.7
April	26.792	27.300	26.395	32.2	42.1	44.7	47.4	30.9	39.2	65	13	27	28	28	82	58	54	.117	.153	.134	1.48	0.57	7.8	8.1	7.4	6.6
May	26.893	27.260	26.580	39.4	53.6	56.1	58.3	37.7	48.0	73	31	31	29	29	74	42	40	.177	.163	.166	1.15	0.41	5.2	6.4	6.4	5.6
June	26.903	27.160	26.590	45.1	62.8	64.5	67.5	43.8	55.6	86	36	39	37	36	80	42	40	.243	.231	.220	0.95	0.26	4.3	5.6	6.3	4.7
July	26.947	27.180	26.690	54.6	78.8	82.4	85.6	53.5	69.6	95	43	44	42	42	68	29	26	.290	.279	.275	0.18	0.48	1.5	1.9	4.0	2.7
August	26.938	27.340	26.610	51.8	71.2	75.1	77.4	49.7	63.6	93	35	42	43	43	71	40	36	.273	.286	.283	2.61	1.78	2.5	2.8	3.4	3.0
September	26.853	27.390	26.490	44.4	61.3	62.9	66.2	42.3	54.2	82	34	38	41	40	80	48	46	.236	.257	.251	0.70	0.30	4.7	5.0	4.5	4.3
October	26.900	27.270	26.540	36.5	46.4	46.6	50.6	34.3	42.4	68	21	32	33	35	84	61	64	.182	.194	.206	1.25	0.37	5.5	7.0	5.3	6.0
November	27.029	27.480	26.568	27.4	36.1	35.6	39.6	25.5	32.6	51	4	22	24	25	80	60	65	.125	.135	.141	0.43	0.16	6.5	7.0	6.2	6.5
December	26.811	27.440	26.090	26.9	30.3	30.1	32.7	23.1	27.9	47	5	22	23	24	81	74	76	.120	.124	.126	1.23	0.35	8.2	9.1	8.3	8.4
Year	26.910	27.480	26.090	35.5	47.6	49.3	52.5	33.2	42.9	95	−8	29	30	31	79	55	55	.173	.180	.182	12.81	1.78	5.4	6.1	6.0	5.6

KANSAS CITY, MO.

[ϕ=39° 05′ N.; λ=94° 37′ W.]

January	29.182	29.660	28.550	24.8	32.1	31.7	37.6	20.9	29.2	58	9	20	20	22	79	60	67	0.108	0.110	0.122	0.35	0.31	3.8	4.5	3.5	4.1
February	29.078	29.460	28.570	28.3	37.7	37.8	42.1	26.1	34.1	61	3	23	25	26	77	60	64	.129	.141	.151	0.07	0.04	4.0	5.2	6.3	5.2
March	28.843	29.500	28.060	38.1	49.5	50.7	55.5	35.1	45.3	75	3	28	31	32	68	52	52	.176	.191	.202	4.32	1.90	4.1	4.6	3.5	4.2
April	28.762	29.160	28.190	42.6	51.5	52.3	56.5	39.4	48.0	79	17	35	36	38	76	59	59	.215	.224	.236	5.02	1.69	5.8	5.9	6.6	5.7
May	28.952	29.340	28.620	57.9	66.6	67.3	71.1	55.5	63.3	88	43	51	53	53	78	63	62	.384	.414	.421	3.06	1.35	6.4	6.7	7.0	6.0
June	28.964	29.210	28.620	67.3	77.3	78.9	82.5	64.0	73.2	93	54	57	57	59	71	51	52	.481	.484	.515	6.63	3.38	4.8	3.7	3.4	3.6
July	28.991	29.180	28.640	70.5	82.1	81.8	86.1	67.5	76.8	98	58	62	62	62	75	51	54	.562	.557	.574	9.78	3.84	4.0	3.4	3.2	3.3
August	28.991	29.240	28.640	67.5	78.8	78.2	82.3	65.1	73.7	93	57	59	59	60	79	53	55	.526	.513	.524	3.11	2.19	4.1	4.5	3.5	4.1
September	28.955	29.320	28.370	63.7	75.4	73.6	79.1	62.2	70.6	90	38	58	57	59	81	56	63	.490	.492	.528	4.20	0.97	3.6	3.4	4.2	4.0
October	29.003	29.420	28.600	55.0	66.5	65.3	70.5	54.2	62.4	86	33	47	48	50	75	54	58	.339	.363	.376	1.87	0.31	3.7	4.0	3.3	3.9
November	29.110	29.720	28.610	36.9	43.8	43.3	48.8	34.0	41.4	71	16	30	32	32	77	64	65	.181	.193	.195	1.73	1.13	5.5	6.3	5.8	5.9
December	28.916	29.400	28.300	31.1	38.5	38.5	43.9	27.7	35.8	64	4	25	26	27	76	62	64	.143	.158	.160	0.89	0.73	4.9	5.4	4.1	5.0
Year	28.979	29.720	28.060	48.6	58.3	58.3	63.0	46.0	54.5	98	3	41	42	43	76	57	60	.311	.320	.334	41.13	3.84	4.6	4.8	4.5	4.6

* At Juneau, observations at 8 a. m. and 8 p. m., one hundred and thirty-fifth meridian time.

Annual meteorological summary for the year ending December 31, 1920—Continued.

JACKSONVILLE, FLA.

[H_b=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.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	14.6	NE.	46	NE.	2	7	14	2	7	8	9	3	12	0	17	8	6	9	5	0	0	0	4	0	0	2	0	
February	13.5	NW.	54	NE.	2	4	8	2	2	5	12	4	21	0	13	6	10	11	7	0	0	0	0	0	0	1	5	0
March	14.2	NE.	49	SW.	2	7	14	2	11	6	6	6	10	0	17	8	6	7	3	1	0	0	0	0	0	3	0	0
April	13.4	SW.	45	S.	3	4	7	5	6	8	18	3	9	0	14	7	9	8	7	0	0	0	1	0	0	0	6	0
May	12.6	NE.	34	NE.	0	6	23	13	7	3	4	4	2	0	15	9	7	12	10	0	0	0	0	0	0	0	2	0
June	11.7	S.	38	S.	0	7	9	7	10	14	12	1	0	0	19	6	5	10	9	0	0	0	0	0	0	0	15	0
July	11.1	SW.	58	W.	4	3	7	2	7	15	19	7	1	1	8	22	1	16	12	0	0	0	0	0	10	0	20	0
August	9.5	SE.	51	SW.	3	0	3	9	21	7	14	6	2	0	10	17	4	20	19	0	0	0	0	0	8	0	19	0
September	10.7	NE.	39	N.	0	9	17	7	8	4	5	5	5	0	10	15	5	14	11	0	0	0	0	0	8	0	10	0
October	12.8	NE.	35	NE.	0	25	20	5	4	0	0	1	7	0	17	12	2	5	1	0	0	0	5	0	0	0	0	0
November	12.2	N.	47	SE.	2	23	9	2	3	4	4	6	9	0	15	3	12	7	6	0	0	0	1	0	0	0	0	0
December	12.0	NW.	48	S.	1	8	10	4	6	3	6	7	18	0	16	5	10	12	10	0	0	0	2	0	0	0	1	0
																												0
Year	12.4	NE.	58	W.	19	103	141	60	92	77	109	53	96	1	171	118	77	131	100	1	0	0	13	0	36	6	78	0

JUNEAU, ALASKA.*

[H_b=80 ft.; h_t=11 ft.; h_r=5 ft.; h_a=49 ft.]

Month.	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.
January	6.6	NE.	27	NE.	0	7	23	15	9	2	1	1	2	2	9	4	18	18	17	13	11	0	0	20	0	23	0	0
February	3.9	E.	19	NE.	0	5	8	12	14	5	1	6	2	5	6	3	20	17	16	10	6	0	0	1	0	13	0	0
March	5.0	NE.	20	SE.	0	5	16	10	13	5	1	4	6	2	9	7	15	16	16	16	11	0	0	5	0	26	0	2
April	4.4	E.	20	NE.	0	2	11	17	11	6	1	5	1	6	7	4	19	14	11	10	6	0	0	3	0	21	0	3
May	3.8	SE.	22	NE.	0	3	11	14	16	4	1	4	0	9	8	4	19	15	13	3	1	0	0	0	0	3	0	4
June	3.6	SE.	17	SE.	0	1	4	7	21	14	1	2	2	8	4	5	21	17	15	0	0	0	0	0	0	0	0	0
July	3.6	W.	19	SE.	0	8	3	6	7	10	3	15	6	4	15	5	11	6	3	0	0	0	0	0	0	0	0	0
August	3.9	SE.	19	SE.	0	4	6	4	16	20	1	5	3	3	3	6	22	23	21	0	0	0	0	0	0	0	0	0
September	3.6	SE.	23	SE.	0	6	9	10	12	10	4	4	1	4	4	6	20	22	18	0	0	0	1	0	0	0	0	2
October	4.3	E.	22	SE.	0	5	12	9	17	6	0	2	6	5	4	2	25	23	22	2	0	0	0	0	0	8	0	1
November	5.0	E.	24	NE.	0	5	4	17	16	4	3	1	4	6	5	4	21	18	15	10	7	0	2	0	0	15	0	0
December	5.1	SE.	20	NE.	0	2	12	11	21	6	1	4	0	5	4	7	20	14	13	21	12	0	0	8	0	25	0	0
Year	4.4	SE.	27	NE.	0	53	119	132	173	92	18	53	33	59	78	57	231	203	180	85	54	0	3	37	0	134	0	12

KALISPELL, MONT.

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

Month.	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.
January	4.7	NW.	28	SW.	0	6	6	2	4	7	9	6	22	0	6	7	18	8	4	10	5	0	0	16	0	26	0	0
February	4.1	NW.	25	SW.	0	3	3*	3	6	7	4	4	28	0	8	9	12	5	3	6	5	0	0	9	0	29	0	0
March	5.7	NW.	36	NE.	0	3	6	0	9	7	14	2	20	1	7	6	18	12	9	13	11	0	0	6	0	27	0	0
April	5.9	NW.	31	W.	0	3	3	2	9	8	5	6	24	0	3	14	13	12	8	10	7	0	0	2	0	15	0	0
May	6.6	NW.	38	NW.	0	1	4	1	8	4	11	9	24	0	7	13	11	9	7	1	1	2	0	0	0	4	1	0
June	5.6	NW.	35	SW.	0	3	3	1	11	1	6	8	25	2	11	12	7	12	8	0	0	0	0	0	0	0	2	0
July	5.8	NW.	34	SE.	0	1	2	3	14	1	3	7	31	0	25	5	1	7	4	0	0	1	0	0	9	0	11	0
August	5.5	NW.	28	N.	0	3	2	1	18	3	6	3	24	2	21	6	4	8	7	0	0	1	0	0	2	0	4	0
September	5.2	NW.	24	W.	0	1	1	3	11	10	7	4	22	1	14	7	9	8	5	0	0	0	0	0	0	0	1	0
October	4.6	NW.	25	SW.	0	2	2	1	10	7	10	6	23	1	7	9	15	13	7	2	0	1	0	0	0	15	1	0
November	4.2	NW.	28	SW.	0	3	3	3	4	6	5	6	29	1	8	5	17	7	5	3	1	0	0	5	0	24	0	0
December	4.6	NW.	34	SW.	0	4	2	1	5	3	13	8	26	0	1	5	25	15	11	16	13	0	0	16	0	29	0	0
Year	5.2	NW.	38	NW.	0	33	37	21	109	64	93	69	298	8	118	98	150	116	78	61	43	5	0	54	11	169	20	0

KANSAS CITY, MO.

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

Month.	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.
January	12.4	N.	35	N.	0	19	4	5	5	11	8	6	4	0	18	4	9	5	2	8	4	0	1	10	0	31	0	0
February	12.5	N.	37	SW.	0	14	4	5	2	6	4	8	15	0	12	8	9	4	1	6	2	0	3	3	0	22	0	0
March	17.8	S.	55	W.	6	6	2	6	6	23	6	3	10	0	14	10	7	10	8	3	3	2	1	4	0	11	5	0
April	15.1	E.	47	W.	2	13	12	7	4	9	3	4	8	0	8	11	11	14	11	4	2	3	1	1	0	6	7	0
May	11.9	E.	46	NW.	1	10	13	18	7	7	4	1	2	0	6	14	11	11	9	0	0	0	6	0	0	0	9	0
June	11.6	S.	52	NE.	2	8	7	1	8	23	7	0	6	0	15	11	4	9	6	0	0	1	0	0	5	0	6	0
July	8.8	SW.	55	NW.	1	6	11	6	9	9	12	2	7	0	19	9	3	10	10	0	0	1	0	0	11	0	11	0
August	8.2	SE.	28	SW.	0	10	9	11	19	6	3	1	3	0	16	10	5	10	7	0	0	0	0	0	3	0	8	0
September	10.0	S.	36	N.	0	7	2	8	13	13	8	2	7	0	16	8	6	10	10	0	0	0	3	0	1	0	8	0
October	12.2	S.	35	N.	0	7	3	2	22	20	4	2	2	0	17	5	9	7	6	0	0	0	0	0	0	0	3	0
November	11.3	NW.	33	NW.	0	12	3	3	8	11	7	5	11	0	10	7	13	8	6	5	0	0	1	3	0	11	0	0
December	14.0	NW.	46	NW.	2	8	3	5	7	14	7	6	12	0	14	8	9	4	3	6	2	0	1	6	0	18	0	0
Year	12.2	S.	55	W.	14	120	73	77	110	152	73	40	87	0	165	105	96	102	79	32	13	7	11	27	20	99	57	0

* At Juneau for the observation hours see preceding page.

Annual meteorological summary for the year ending December 31, 1920—Continued.

KEOKUK, IOWA.

[ϕ=40° 22′ N.; λ=91° 26′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.586	30.060	28.920	18.3	25.3	25.4	30.4	14.6	22.5	49	0	13	15	17	76	62	67	0.080	0.087	0.094	0.38	0.28	4.6	4.8	5.3	5.6
February	29.451	29.880	28.950	24.6	32.1	31.2	36.9	21.8	29.4	59	− 3	19	21	22	77	62	68	.109	.127	.124	0.19	0.11	5.6	5.9	6.1	5.8
March	29.223	29.830	28.260	36.3	45.0	45.2	52.6	32.7	42.6	78	0	27	29	30	69	56	58	.164	.183	.188	4.02	1.53	4.9	5.4	4.8	5.2
April	29.152	29.560	28.531	41.4	48.1	49.8	53.8	37.6	45.7	78	13	34	35	36	76	62	61	.207	.215	.227	3.64	0.80	7.4	6.6	6.3	6.9
May	29.373	29.770	29.050	57.0	66.9	66.7	70.5	53.0	61.8	86	39	48	50	49	74	57	55	.355	.379	.363	3.36	1.78	5.6	6.0	6.4	6.5
June	29.333	29.600	28.930	68.3	78.8	78.1	82.7	64.1	73.4	94	55	58	58	58	70	50	52	.491	.500	.502	2.99	1.59	4.1	5.2	4.1	4.7
July	29.351	29.556	29.020	69.7	80.2	81.3	85.1	65.5	75.3	97	57	61	62	62	75	54	53	.546	.562	.566	3.84	1.26	5.0	5.6	3.3	4.8
August	29.366	29.620	29.050	66.7	73.9	77.9	83.0	63.7	73.4	93	51	59	59	59	77	51	55	.515	.535	.522	0.88	0.50	5.4	5.5	5.5	5.9
September	29.330	29.502	29.060	62.8	75.8	71.9	79.4	59.6	69.5	91	38	56	57	57	79	53	60	.487	.485	.484	2.65	1.12	4.2	4.4	4.5	4.6
October	29.403	29.800	29.020	54.7	66.9	63.8	70.4	52.8	61.6	84	27	47	49	49	76	54	60	.341	.364	.364	1.00	0.31	[illegible]	.3	3.5	.4
November	29.474	30.050	28.930	35.0	42.3	41.1	46.9	31.6	39.2	68	12	28	30	31	76	62	67	.172	.182	.186	0.98	0.47	5.7	7.0	4.9	6.5
December	29.281	29.750	28.460	29.0	34.4	34.6	40.4	25.3	32.8	63	− 3	23	26	25	78	70	69	.140	.153	.150	0.61	0.28	5.7	6.1	4.0	6.5
Year	29.360	30.060	28.260	47.0	55.8	55.6	61.0	43.5	52.3	97	− 3	39	41	41	75	58	60	.2[illegible]9	.311	.318	24.54	1.78	5.2	5.6	4.9	5.6

KEY WEST, FLA.

[ϕ=24° 33′ N.; λ=81° 48′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.109	30.070	29.930	68.1	73.9	69.6	75.8	66.3	71.0	82	52	62	63	62	83	70	79	0.583	0.969	0.578	0.07	0.04	2.9	2.9	1.5	2.6
February	30.001	30.340	29.640	65.7	70.7	67.2	73.6	62.9	68.2	84	54	58	59	59	76	66	75	.498	.515	.513	1.38	1.09	4.7	3.3	2.7	3.8
March	30.051	30.360	29.730	68.6	72.9	69.4	75.9	65.6	70.8	84	49	62	61	62	79	68	78	.576	.565	.579	0.58	0.52	2.9	2.6	2.5	2.6
April	29.917	30.160	29.640	76.4	79.8	76.0	81.9	72.5	77.2	87	61	70	70	70	81	74	82	.745	.758	.738	3.36	1.01	4.3	4.5	4.6	4.3
May	29.909	30.060	29.680	78.8	81.7	78.1	83.8	74.3	79.0	87	69	69	70	69	72	67	73	.707	.725	.704	3.18	2.67	3.5	3.4	2.6	3.1
June	29.977	30.070	29.810	81.5	84.2	80.2	86.4	76.5	81.4	89	69	71	72	71	72	66	74	.771	.775	.762	3.41	1.34	5.0	4.2	5.0	4.7
July	30.044	30.160	29.910	83.3	86.3	82.5	88.5	79.3	83.9	90	76	73	73	73	71	65	72	.809	.819	.800	0.54	0.26	5.2	4.1	5.0	4.9
August	30.006	30.120	29.930	82.1	85.2	81.7	87.9	77.3	82.6	90	70	72	73	72	73	67	73	.797	.800	.786	5.15	2.46	5.4	4.6	3.9	4.6
September	29.922	30.110	29.620	82.5	84.3	81.4	87.4	76.9	82.2	91	71	73	74	73	74	71	75	.823	.832	.802	11.89	4.67	5.3	5.2	6.4	6.0
October	29.963	30.181	29.821	76.2	79.5	76.3	81.7	73.4	77.6	87	67	69	69	68	80	71	77	.720	.720	.700	2.25	0.99	4.7	5.6	3.1	5.0
November	30.015	30.210	29.730	73.0	76.7	73.3	78.6	70.4	74.5	85	65	67	67	67	81	73	81	.662	.670	.664	1.97	1.11	6.3	6.1	5.6	6.1
December	30.032	30.230	29.880	68.7	73.2	70.0	75.3	65.9	70.6	83	58	64	64	63	84	73	80	.604	.613	.599	0.92	0.41	4.7	4.1	3.5	4.6
Year	29.996	30.360	29.620	75.4	79.0	75.5	81.4	71.8	76.6	91	49	67	68	67	77	69	77	.691	.699	.685	34.70	4.67	4.6	4.3	3.9	4.4

KNOXVILLE, TENN.

[ϕ=35° 56′ N.; λ=83° 58′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.126	29.476	28.550	37.0	43.3	42.8	49.8	32.4	41.1	68	10	32	32	32	80	64	65	0.203	0.296	0.206	2.94	0.84	7.5	7.6	5.9	7.1
February	28.986	29.460	28.610	34.5	41.6	41.1	46.6	31.9	39.2	64	12	29	29	30	80	61	64	.173	.172	.180	4.94	1.78	7.5	8.0	6.6	7.5
March	29.008	29.450	28.450	40.5	52.3	52.0	58.4	37.7	48.0	78	14	33	32	34	75	48	54	.204	.198	.223	4.89	2.06	5.6	6.0	3.8	5.1
April	28.809	29.086	28.350	50.5	61.9	60.7	67.5	46.4	57.0	87	30	40	41	41	66	48	51	.268	.280	.284	7.22	3.04	6.0	5.8	5.4	5.7
May	28.978	29.272	28.710	60.9	71.2	69.7	75.8	56.3	66.0	88	44	51	49	51	70	48	54	.384	.363	.388	2.31	.79	6.8	7.0	6.0	6.6
June	28.985	29.284	28.700	68.3	79.4	76.3	83.3	63.6	73.4	92	54	61	59	61	79	51	61	.548	.501	.537	7.18	2.45	5.4	6.6	5.6	5.9
July	29.001	29.230	28.770	70.2	81.4	78.5	86.0	66.4	76.2	92	60	64	64	64	83	56	63	.613	.563	.606	2.19	.50	5.9	6.7	5.9	6.6
August	29.014	29.170	28.830	68.4	77.5	73.1	81.7	65.7	73.7	88	59	65	66	66	89	68	79	.621	.633	.647	11.33	2.16	8.7	7.9	8.4	8.2
September	28.993	29.150	28.720	65.4	76.5	72.2	79.7	62.6	71.2	87	45	63	62	64	90	62	75	.576	.569	.599	2.51	.65	6.6	6.9	5.7	6.5
October	29.127	29.420	28.700	50.7	69.3	63.8	73.3	47.4	60.4	83	31	47	47	49	87	46	59	.332	.340	.361	0.78	.78	4.0	3.7	3.1	3.7
November	29.104	29.450	28.686	39.4	50.6	48.4	54.2	36.6	45.4	72	23	36	36	36	88	60	65	.222	.219	.225	3.89	1.09	6.0	5.9	4.3	5.7
December	28.996	29.310	28.500	36.0	44.2	43.4	48.3	33.6	41.0	60	23	30	30	32	81	59	64	.174	.173	.187	5.03	1.92	6.2	5.8	5.8	6.2
Year	29.011	29.476	28.350	51.8	62.4	60.2	67.0	48.4	57.7	92	10	46	46	47	81	56	63	.360	.354	.370	55.21	3.04	6.4	6.5	5.5	6.2

LA CROSSE, WIS.

[ϕ=43° 49′ N.; λ=91° 15′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.453	29.950	28.880	5.5	13.8	12.9	18.2	0.5	9.4	39	−16	4	8	....	92	74	....	0.054	0.064	.....	1.10	0.35	7.0	6.7	5.0	6.7
February	29.305	29.940	28.643	13.7	22.0	21.5	26.0	10.9	18.4	37	−15	10	11	....	86	61	....	.076	.078	.....	0.50	0.21	8.1	6.2	7.5	6.9
March	29.048	29.610	28.215	27.2	39.0	37.9	44.4	23.8	34.1	74	− 9	23	24	....	85	56	....	.140	.149	.....	2.89	1.08	5.4	5.6	4.9	5.4
April	29.048	29.460	28.430	36.1	45.1	44.8	50.0	33.2	41.6	73	16	29	25	....	74	47	....	.170	.161	.....	3.45	1.21	6.4	7.0	6.4	6.9
May	29.305	29.680	28.830	51.4	66.4	64.7	70.4	46.5	58.4	85	34	42	40	....	71	40	....	.278	.263	.....	1.86	0.61	4.8	4.7	5.9	5.1
June	29.187	29.500	28.730	64.6	75.6	73.8	80.1	60.0	70.0	95	46	58	58	....	79	56	....	.496	.500	.....	8.14	2.94	5.8	6.1	4.4	6.0
July	29.218	29.479	28.880	64.2	76.1	74.8	80.3	60.2	70.2	92	52	58	57	....	82	53	....	.492	.476	.....	1.05	0.73	4.4	2.9	4.2	3.8
August	29.267	29.560	28.899	59.4	76.4	72.7	79.7	56.8	68.2	92	46	56	57	....	90	53	....	.465	.484	.....	2.25	0.94	3.8	3.3	2.8	3.7
September	29.206	29.550	28.870	56.9	72.2	66.9	75.5	53.5	64.5	89	33	52	52	....	86	54	....	.411	.416	.....	0.81	0.25	4.6	3.7	4.2	4.7
October	29.262	29.740	28.880	47.3	64.6	58.8	68.6	45.2	56.9	81	21	45	46	....	90	53	....	.318	.335	.....	2.56	1.38	4.2	4.3	3.2	4.5
November	29.315	29.830	28.807	31.2	37.6	35.5	40.2	28.2	34.2	54	12	27	28	....	83	68	....	.153	.162	.....	2.85	1.16	6.7	7.9	7.9	7.6
December	29.122	29.650	28.273	23.9	27.9	26.8	31.2	19.4	25.3	51	−10	20	20	....	88	73	....	.122	.122	.....	1.86	0.80	7.6	8.3	6.7	8.2
Year	29.228	29.950	28.215	40.0	51.4	49.3	55.4	36.5	45.9	95	−16	35	36	....	84	57	....	.265	.268	.....	29.32	2.94	5.7	5.6	5.3	5.8

Annual meteorological summary for the year ending December 31, 1920—Continued.

KEOKUK, IOWA.

[H_b=514 ft.: h_t=64 ft.: h_r=56 ft.; h_a=78 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	8.1	N.	32	S.	0	12	9	7	7	6	3	5	12	1	11	8	12	3	2	9	3		3	19	0	31	0	0
February	8.4	N.	30	S.	0	20	10	3	3	6	2	7	6	1	9	8	12	4	2	7	1	0	0	7	0	25	0	0
March	12.0	S.	52	SW.	1	0	1	1	16	9	13	10	12	0	11	10	10	10	8	3	1	0	1	3	0	13	2	0
April	10.3	NE.	44	SW.	2	5	13	3	7	6	11	9	6	0	4	10	16	15	13	5	4	0	1	1	0	8	7	0
May	7.0	NE.	24	NE.	0	8	26	10	4	4	6	1	3	0	6	11	14	7	7	0	0	0	0	0	0	0	6	0
June	7.0	S.	26	W.	0	2	13	2	6	15	14	4	4	0	12	12	6	6	5	0	0	1	0	0	8	0	7	0
July	5.6	SW.	50	NW.	1	8	6	5	3	8	17	9	6	0	9	17	5	8	7	0	0	1	0	0	5	0	7	0
August	4.8	NE.	35	W.	0	12	13	10	8	8	6	3	2	0	6	15	10	6	3	0	0	0	1	0	5	0	7	0
September	6.6	S.	34	NW.	0	5	4	9	10	11	9	3	9	0	12	11	7	8	6	0	0	1	0	0	2	0	5	0
October	6.7	S.	24	SW.	0	6	1	3	11	26	5	1	8	1	15	6	10	11	8	1	0	0	0	0	0	1	1	0
November	7.6	W.	29	W.	0	2	1	5	1	12	11	15	12	1	9	4	17	9	4	4	0	0	1	3	0	15	0	0
December	9.5	W.	37	NW.	0	5	0	5	10	10	7	17	8	0	6	12	13	6	3	9	4	0	5	7	0	23	0	0
Year	7.8	S.	52	SW.	4	85	97	63	86	121	104	84	88	4	110	124	132	93	68	38	13	3	12	40	20	116	42	0

KEY WEST, FLA.

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

Month.	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.
January	10.2	E.	24	E.	0	12	21	16	4	1	1	2	5	0	23	6	2	2	1	0	0	0	0	0	0	0	1	0
February	12.4	N.	48	W.	2	14	15	4	2	6	3	4	10	0	14	10	5	5	3	0	0	0	0	0	0	0	2	0
March	12.4	E.	44	NW.	2	6	10	27	10	0	1	2	6	0	23	6	2	4	3	0	0	0	0	0	0	0	0	0
April	11.3	SE.	49	NW.	4	6	5	15	21	4	6	0	3	0	15	6	9	5	5	0	0	0	0	0	0	0	5	0
May	9.5	NW.	30	E.	0	7	9	17	4	0	2	6	17	0	19	9	3	7	6	0	0	0	0	0	0	0	3	0
June	8.7	E.	27	NW.	0	2	7	30	12	6	3	0	0	0	10	14	6	8	8	0	0	0	0	0	0	0	7	0
July	9.8	E.	32	NW.	0	0	1	28	20	2	6	3	2	0	9	17	5	7	6	0	0	0	0	0	1	0	7	0
August	8.7	E.	35	SW.	0	1	8	33	14	3	3	0	0	0	9	18	4	13	11	0	0	0	0	0	1	0	13	0
September	8.2	SE.	50	SW.	1	1	10	17	17	7	2	1	5	0	7	12	11	16	14	0	0	0	0	0	2	0	19	0
October	11.5	NE.	31	NE.	0	2	39	14	6	0	0	0	1	0	13	11	7	11	7	0	0	0	0	0	0	0	2	0
November	11.3	NE.	42	NW.	1	13	25	13	4	0	1	1	3	0	10	4	16	11	6	0	0	0	0	0	0	0	3	0
December	10.0	NE.	38	NW.	0	18	19	10	10	4	0	1	0	0	13	10	8	7	3	0	0	0	1	0	0	0	1	0
Year	10.3	E.	50	SW.	10	82	169	224	124	33	28	20	52	0	165	123	78	96	73	0	0	0	1	0	4	0	63	0

KNOXVILLE, TENN.

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

Month.	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.
January	7.7	SW.	30	W.	0	9	16	3	3	4	17	6	4	0	6	9	16	11	10	1	0	0	1	4	0	18	0	0
February	7.1	N.	26	SW.	0	16	14	2	0	3	12	7	4	0	5	7	17	14	13	6	1	0	0	4	0	12	1	0
March	6.4	SW.	36	SW.	0	11	7	7	1	8	17	7	3	1	10	10	11	11	10	4	1	1	0	1	0	8	1	1
April	9.1	SW.	45	SW.	1	10	6	3	2	9	16	8	6	0	9	11	10	14	14	3	0	2	0	0	0	3	6	0
May	5.2	N.	30	SW.	0	17	15	7	1	4	11	4	2	1	5	13	13	8	7	0	0	0	0	0	0	0	3	0
June	4.9	NE.	27	SW.	0	7	11	6	0	7	10	9	4	6	9	10	11	11	9	0	0	1	0	0	6	0	2	0
July	5.3	SW.	26	SW.	0	12	7	0	2	11	22	5	2	1	6	8	17	8	8	0	0	0	2	0	5	0	1	0
August	5.1	SW.	26	S.	0	9	14	6	3	8	17	2	0	3	2	6	23	18	18	0	0	0	0	0	0	0	6	0
September	4.5	NE.	23	N.	0	7	24	5	2	4	12	4	1	1	5	10	15	10	8	0	0	0	4	0	0	0	3	0
October	3.8	NE.	32	SW.	0	7	19	12	1	6	5	6	2	4	16	7	8	2	2	0	0	0	2	0	0	1	0	0
November	5.4	SW.	24	NE.	0	8	17	4	0	5	18	3	5	0	10	7	13	11	9	3	2	0	2	0	0	8	0	0
December	6.9	NE.	32	SW.	0	4	20	4	2	6	14	11	1	0	12	3	16	10	8	0	0	0	1	0	0	14	0	0
Year	6.0	SW.	45	SW.	1	117	170	59	17	75	171	72	34	17	95	101	170	128	116	17	4	4	12	9	11	64	23	1

LA CROSSE, WIS.

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

Month.	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.
January	5.3	*N.	19	S.	0	8	2	0	8	2	1	4	6	0	7	7	17	10	6	17	10	0	0	28	0	31	0	0
February	4.9	NW.	18	W.	0	2	3	0	6	3	3	5	6	1	7	5	17	7	4	15	7	0	0	24	0	29	0	0
March	7.7	S.	38	SW.	0	2	1	1	6	8	2	7	4	0	10	10	11	12	8	9	5	0	1	6	0	20	2	2
April	6.4	NE.	26	S.	0	5	6	0	6	1	1	6	2	3	8	5	17	12	9	5	1	1	0	2	0	12	4	1
May	4.4	S.	19	SE.	0	2	4	1	4	12	3	1	4	0	14	8	9	8	6	0	0	0	1	0	0	0	6	0
June	3.9	SE.	21	SW.	0	5	2	0	10	5	5	1	2	0	9	10	11	11	11	0	0	0	0	0	6	0	13	0
July	3.8	S.	15	W.	0	4	0	1	4	9	5	4	4	0	15	11	5	7	3	0	0	0	1	0	1	0	7	0
August	3.1	SW.	15	SE.	0	6	0	2	6	4	8	0	3	2	19	4	8	8	7	0	0	0	6	0	2	0	5	0
September	4.2	S.	20	W.	0	4	3	2	5	9	2	3	2	0	13	8	9	7	6	0	0	0	5	0	0	0	3	0
October	4.5	S.	24	S.	0	1	0	0	8	10	4	3	4	1	15	7	9	10	7	2	1	0	2	0	0	4	6	0
November	4.8	NW.	19	NW.	0	2	3	2	5	2	4	5	7	0	6	2	22	8	7	8	4	0	0	4	0	19	0	0
December	5.6	W.	22	W.	0	2	1	1	4	7	1	9	6	0	3	6	22	9	6	16	8	0	0	15	0	25	0	0
Year	4.9	S.	38	SW.	0	43	25	10	72	72	39	48	50	7	126	83	157	106	80	72	36	1	16	79	9	140	46	3

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

LANDER, WYO.

[ϕ=42° 50′ N.; λ=108° 45′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	24.696	24.950	24.210	14.1	23.8	22.7	31.9	8.5	20.2	57	−18	5	11	10	67	58	59	0.057	0.074	0.071	1.08	0.89	3.3	5.5	5.3	4.9
February	24.683	24.960	24.250	13.9	25.0	24.6	31.9	8.6	20.2	51	−13	9	15	15	80	64	67	.069	.088	.087	1.96	.64	4.4	3.6	5.0	4.7
March	24.442	24.970	23.840	19.9	32.3	34.0	40.4	15.6	28.0	59	−19	13	19	19	73	58	55	.083	.108	.104	.64	.18	5.0	3.7	5.6	4.6
April	24.466	24.870	24.000	26.5	39.9	41.9	45.8	24.8	35.3	62	5	20	27	26	76	63	57	.109	.151	.142	3.13	1.03	6.0	6.7	7.5	6.5
May	24.602	24.930	24.330	41.8	57.7	58.7	63.0	40.2	51.6	82	31	32	35	34	70	48	46	.184	.210	.206	1.70	1.04	5.2	5.1	5.7	5.1
June	24.644	24.870	24.388	47.2	68.1	70.9	75.4	45.3	60.4	86	31	34	39	35	61	38	31	.200	.247	.214	.37	.22	3.3	3.9	5.5	4.4
July	24.777	24.990	24.409	55.2	77.7	79.9	84.5	51.9	68.2	97	40	41	51	50	59	41	38	.256	.377	.373	.05	.03	2.7	3.4	6.1	4.4
August	24.738	24.980	24.430	51.4	75.5	75.4	81.2	49.3	65.2	91	34	38	45	43	62	36	34	.237	.308	.290	.23	.18	3.1	3.1	5.1	4.0
September	24.659	25.090	24.204	45.3	66.3	65.8	71.0	41.7	56.4	84	25	33	36	36	64	34	36	.194	.214	.223	1.31	1.23	2.8	3.9	4.1	3.9
October	24.627	24.901	24.270	33.4	48.9	47.6	55.1	29.7	42.4	77	17	25	29	28	70	54	51	.131	.162	.152	4.45	1.42	4.9	5.8	6.6	5.6
November	24.742	25.050	24.283	13.3	23.9	19.5	29.4	8.2	18.8	49	−15	7	11	8	74	57	58	.061	.074	.062	1.50	1.14	3.9	3.8	5.0	4.2
December	24.531	25.040	23.940	11.6	20.8	17.3	27.5	4.5	16.0	52	−19	4	9	4	72	59	56	.053	.066	.055	.79	.40	3.9	4.0	4.0	4.3
Year	24.634	25.090	23.840	31.1	46.7	46.5	53.1	27.4	40.2	97	−19	22	27	26	69	51	49	.136	.173	.165	17.21	1.42	4.0	4.4	5.5	4.7

LANSING, MICH.

[ϕ=42° 44′ N.; λ=84° 26′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.246	29.850	28.580	11.3	18.3	13.7	21.4	5.0	13.2	34	−14	8	12	10	85	74	84	0.064	0.076	0.071	1.34	0.41	7.9	6.1	5.8	6.7
February	29.076	29.683	28.500	15.3	25.2	20.8	28.3	11.3	19.8	48	−8	12	18	17	86	72	84	.081	.101	.097	0.81	0.27	7.9	7.2	7.4	7.7
March	28.951	29.445	28.200	30.1	41.0	36.9	45.5	24.9	35.2	72	0	25	28	29	80	61	74	.145	.163	.174	3.57	0.93	5.5	5.4	5.5	6.2
April	28.858	29.350	28.308	36.6	44.4	40.6	48.7	31.1	39.9	74	13	31	32	30	79	63	68	.183	.190	.179	3.25	0.90	7.8	8.2	6.0	7.9
May	29.146	29.538	28.860	51.2	63.8	59.0	67.7	42.5	55.1	82	28	42	43	42	71	50	56	.278	.298	.294	1.43	0.79	3.9	5.7	4.4	5.5
June	29.060	29.406	28.660	63.8	75.5	70.3	79.4	56.0	67.7	93	45	56	56	57	77	54	64	.468	.478	.474	4.17	2.19	5.6	5.0	5.2	5.4
July	29.059	29.290	28.665	63.0	75.5	70.4	79.3	55.3	67.3	94	46	57	57	57	80	55	64	.465	.481	.473	3.01	1.40	4.6	6.4	4.7	6.2
August	29.120	29.380	28.850	61.1	76.3	69.0	79.8	56.0	67.9	90	43	57	58	60	87	56	73	.483	.497	.522	2.00	0.62	4.8	5.4	4.5	5.9
September	29.082	29.382	28.774	56.2	73.4	64.4	76.8	51.5	64.2	91	37	52	53	55	87	51	71	.402	.422	.445	1.26	0.58	4.2	5.0	2.9	5.2
October	29.143	29.520	28.470	48.9	66.8	56.3	69.6	46.0	57.8	82	28	45	45	46	86	50	70	.309	.325	.325	1.37	0.63	4.9	4.7	2.9	5.5
November	29.138	29.570	28.610	33.6	40.9	36.2	43.4	29.8	36.6	57	14	31	33	32	89	75	85	.179	.195	.188	2.29	0.79	7.8	8.2	5.4	8.4
December	28.937	29.450	28.084	29.4	33.4	30.9	36.4	24.7	30.6	56	3	27	28	28	89	80	87	.151	.160	.158	3.94	0.81	10.0	8.2	7.6	9.0
Year	29.067	29.850	28.084	41.7	52.9	47.4	56.4	36.2	46.3	94	−14	37	39	39	83	62	73	.267	.282	.283	28.44	2.19	6.2	6.3	5.2	6.6

LEESBURG, GA.

[ϕ=31° 47′ N.; λ=84° 14′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.922	30.250	29.450	45.0	56.1	53.2	60.6	41.1	50.8	79	20	41	43	42	87	64	68	0.290	0.317	0.295	3.81	1.28	6.4	6.8	5.4	6.7
February	29.770	30.220	29.250	42.3	51.7	50.3	56.2	38.9	47.6	72	24	38	39	40	85	64	69	.251	.263	.267	5.95	2.44	6.7	6.9	5.1	6.4
March	29.823	30.280	29.360	48.3	60.7	58.4	65.4	45.0	55.2	85	24	42	42	44	80	53	60	.310	.311	.325	7.07	3.07	5.7	5.5	5.0	5.5
April	29.623	29.930	29.250	60.1	68.8	67.0	74.0	54.8	64.4	87	35	54	54	55	82	64	67	.454	.463	.467	9.67	2.98	6.4	6.8	5.4	6.6
May	29.716	29.990	29.450	66.8	76.3	73.5	80.4	61.5	71.0	92	54	61	60	61	84	60	67	.548	.527	.539	5.08	1.25	7.2	8.1	6.8	7.8
June	29.730	30.020	29.510	73.7	85.2	80.5	88.7	67.4	78.0	98	59	66	62	64	79	48	59	.655	.568	.598	2.70	1.10	5.1	5.3	6.9	5.9
July	29.777	29.990	29.580	75.2	84.9	80.2	88.9	70.3	79.6	94	62	71	68	69	87	60	70	.762	.711	.721	6.47	2.59	6.8	7.4	7.6	7.3
August	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
September	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
October	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
November	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
December	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

LEWISTON, IDAHO.

[ϕ=46° 25′ N.; λ=117° 02′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.435	29.930	28.950	29.1	35.2	....	38.0	26.3	32.2	58	12	25	27	....	83	72	....	0.136	0.151	.....	2.27	1.36	7.6	7.9	....	8.2
February	29.433	29.640	28.920	32.4	42.8	....	47.5	30.6	39.0	57	23	27	28	....	79	56	....	.147	.150	.....	.13	.05	4.2	5.4	....	5.0
March	28.081	29.650	28.590	37.3	49.4	....	53.3	35.6	44.4	68	27	31	30	....	79	48	....	.177	.169	.....	1.25	.39	7.2	7.9	....	7.8
April	29.123	29.650	28.620	40.8	54.9	....	59.2	39.8	49.5	75	32	35	34	....	81	49	....	.208	.198	.....	2.24	.41	7.7	7.9	....	7.9
May	29.198	29.500	28.870	46.3	63.7	....	68.4	44.6	56.5	82	38	40	41	....	79	46	....	.252	.264	.....	1.54	.99	6.2	5.9	....	5.7
June	29.174	29.460	28.840	52.1	72.3	....	77.1	49.4	63.2	96	40	45	47	....	77	43	....	.301	.326	.....	1.26	.45	4.9	6.2	....	5.6
July	29.148	29.380	28.890	61.9	86.0	....	92.7	60.3	76.5	106	53	49	49	....	63	29	....	.351	.351	.....	.63	.23	2.4	3.0	....	3.0
August	29.156	29.560	28.810	59.1	82.9	....	89.9	57.8	73.8	106	45	47	48	....	65	32	....	.325	.339	.....	.72	.38	3.9	3.2	....	3.2
September	29.102	29.590	28.700	51.6	71.0	....	77.3	49.6	63.4	93	42	45	46	....	79	43	....	.300	.312	.....	1.25	.38	5.4	5.6	....	5.2
October	29.196	29.610	28.770	42.4	56.1	....	59.8	39.8	49.8	79	26	40	39	....	90	54	....	.251	.247	.....	1.60	.31	6.4	7.3	....	6.5
November	29.326	29.680	28.860	36.1	46.3	....	49.6	33.2	41.4	59	22	32	33	....	84	61	....	.184	.193	.....	1.09	.28	6.4	7.2	....	6.9
December	29.163	29.860	28.410	35.2	41.9	....	43.7	32.8	38.2	60	26	30	31	....	81	65	....	.168	.172	.....	1.31	.27	8.0	8.8	....	8.8
Year	29.211	29.930	28.410	43.7	58.5	....	63.0	41.6	52.3	106	12	37	38	....	78	50	....	.233	.239	.....	15.29	1.36	5.9	6.4	....	6.2

Annual meteorological summary for the year ending December 31, 1920—Continued.

LANDER, WYO.

[H_b=5,372 ft.; h_t=60 ft.; h_r=54 ft.; h_a=68 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	3.5	SW.	40	W.	1	7	7	4	4	6	16	14	4	0	10	18	3	4	3	6	4	0	1	18	0	30	0	0
February	2.9	SW.	20	E.	0	5	5	5	6	3	15	9	8	2	12	9	8	8	7	8	8	0	2	17	0	29	0	0
March	5.2	W.	40	SW.	1	5	4	4	4	4	21	10	9	1	13	13	5	9	7	13	8	0	0	7	0	30	0	1
April	5.2	W.	36	W.	0	5	4	5	4	2	14	15	10	1	5	15	10	11	11	14	11	0	1	3	0	27	0	0
May	5.8	W.	28	W.	0	6	9	5	3	2	15	16	6	0	12	10	9	11	8	0	0	0	0	0	0	2	0	0
June	4.9	W.	33	SW.	0	2	3	7	4	1	18	16	7	2	14	12	4	4	4	0	0	1	0	0	0	1	4	0
July	5.0	SW.	38	W.	0	4	8	8	1	7	19	13	2	0	11	18	2	2	0	0	0	0	0	0	4	0	0	0
August	5.2	SW.	38	W.	0	5	3	8	5	4	15	15	7	0	15	13	3	4	1	0	0	0	0	0	1	0	2	0
September	5.7	SW.	34	SW.	0	1	4	7	6	6	18	16	2	0	14	15	1	5	2	0	0	0	0	0	0	5	2	0
October	4.6	SW.	39	W.	0	4	0	7	3	4	19	14	8	3	8	13	10	10	10	9	8	0	0	2	0	19	0	0
November	2.8	SW.	25	SE.	0	2	4	5	4	7	22	8	6	2	15	11	4	5	5	6	5	0	0	16	0	30	0	0
December	4.0	SW.	38	SW.	0	4	6	8	2	5	12	15	8	2	16	10	5	4	2	5	4	0	2	20	0	31	0	0
Year	4.6	SW.	40	W.	2	50	57	73	46	51	204	161	77	13	145	157	64	77	60	61	48	1	6	83	5	204	8	1

LANSING, MICH.

[H_b=878 ft.; h_t=11 ft.; h_r=3 ft.; h_a=62 ft.]

Month.	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.
January	7.6	NW.	25	W.	0	10	7	3	4	4	8	8	16	2	6	10	15	13	8	21	12	0	0	26	0	31	0	0
February	6.5	NW.	23	SW.	0	2	8	3	4	3	11	9	18	0	2	8	19	15	7	19	14	0	0	24	0	29	0	0
March	9.8	S.	35	SE.	0	3	2	2	8	14	14	9	10	0	7	11	13	13	11	11	6	1	0	7	0	22	2	2
April	8.5	W.	30	W.	0	5	10	7	3	5	6	16	8	0	2	6	22	18	14	10	7	1	0	2	0	13	3	2
May	5.6	NE.	23	W.	0	6	17	9	3	11	2	8	6	0	7	14	10	8	4	0	0	0	0	0	0	6	1	0
June	4.5	S.	24	NW.	0	9	7	4	1	7	12	10	7	3	11	10	9	9	8	0	0	0	1	0	3	0	5	0
July	4.5	SW.	19	SW.	0	10	4	3	6	7	11	10	6	5	6	10	15	11	9	0	0	0	0	0	1	0	8	0
August	3.4	N.	16	NW.	0	15	6	8	6	13	6	1	4	3	8	15	8	6	6	0	0	0	4	0	0	0	5	0
September	4.6	S.	22	SW.	0	4	6	8	7	11	7	9	6	2	13	8	9	7	5	0	0	0	0	0	1	0	5	1
October	4.8	SW.	19	S.	0	2	2	3	6	12	15	11	10	1	10	9	12	10	5	1	0	0	2	0	0	3	3	0
November	5.7	SW.	25	SW.	0	6	3	9	4	5	14	12	7	0	1	7	22	17	11	14	6	0	0	4	0	18	0	0
December	7.9	W.	32	SW.	0	1	2	5	10	7	14	13	10	0	0	5	26	21	11	18	13	0	0	12	0	22	0	0
Year	6.1	SW.	35	SE.	0	73	74	64	62	99	120	116	108	16	73	113	180	148	99	94	58	2	7	75	5	144	32	5

LEESBURG, GA.

[H_b=279 ft.; h_t=10 ft.; h_r=4 ft.; h_a=55 ft.]

Month.	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.
January	8.7	NE.	31	NW.	0	7	15	2	2	11	8	8	8	1	6	9	16	9	8	0	0	0	5	0	0	6	0	0
February	8.6	NW.	36	NW.	0	4	6	1	4	5	2	12	18	6	8	6	15	11	9	0	0	0	1	0	0	8	1	0
March	9.4	S.	35	NW.	0	3	9	9	7	14	3	7	10	0	12	5	14	9	8	0	0	0	0	0	0	7	6	1
April	8.7	S.	37	S.	0	5	2	4	6	17	8	10	8	0	7	8	15	11	9	0	0	1	0	0	0	0	10	0
May	6.8	E.	35	NW.	0	9	16	16	4	2	5	5	3	2	3	5	23	12	8	0	0	0	1	0	2	0	7	0
June	6.2	E.	30	SW.	0	3	2	13	7	6	12	6	8	1	8	11	11	8	8	0	0	0	1	0	11	0	12	0
July	5.6	SW.	39	W.	0	2	9	4	1	13	20	9	3	1	4	9	18	10	10	0	0	0	1	0	12	0	21	0
August	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
September	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
October	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
November	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
December	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Year	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

LEWISTON, IDAHO.

[H_b=757 ft.; h_t=40 ft.; h_r=32 ft.; h_a=48 ft.]

Month.	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.
January	2.4	E.	29	SW.	0	6	5	6	2	2	1	2	3	4	4	4	23	6	5	2	2	0	0	7	0	21	0	0
February	2.7	E.	22	W.	0	2	2	8	2	3	2	2	2	6	11	8	10	4	1	2	2	0	1	0	0	18	0	0
March	4.7	E.	33	W.	0	0	4	14	4	1	2	2	2	2	3	6	22	14	7	2	0	0	0	0	0	6	0	0
April	4.4	E.	29	N.	0	0	6	11	0	1	2	4	3	3	2	7	21	14	11	3	3	0	0	0	0	3	1	0
May	3.6	E.	27	W.	0	3	3	14	3	3	2	2	1	0	10	7	14	7	6	0	0	0	0	0	0	0	2	0
June	3.3	E.	25	N.	0	2	10	10	4	0	0	2	1	1	10	10	10	10	8	0	0	0	0	0	3	0	3	0
July	3.3	E.	24	NW.	0	0	2	11	8	4	0	2	0	4	19	8	4	5	4	0	0	1	0	0	21	0	8	0
August	3.2	E.	26	W.	0	1	0	12	3	1	2	5	2	5	21	4	6	5	4	0	0	1	0	0	20	0	3	0
September	2.8	E.	28	NW.	0	1	2	11	7	0	0	5	0	4	11	6	13	12	7	0	0	0	0	0	0	3	1	0
October	2.6	E.	24	NW.	0	1	4	10	4	1	4	1	3	3	7	8	16	14	12	0	0	0	0	0	0	5	0	0
November	3.0	E.	20	NW.	0	0	5	11	3	1	4	2	3	1	5	9	16	9	7	0	0	0	2	0	0	15	0	0
December	4.2	E.	40	W.	1	1	4	13	4	2	3	4	0	0	1	5	25	12	10	6	4	0	0	1	0	14	0	0
Year	3.4	E.	40	W.	1	17	47	131	44	19	22	33	20	33	104	82	180	112	82	15	11	2	3	8	47	82	18	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

LEXINGTON, KY.

[ϕ=38° 02′ N.; λ=84° 33′ W.]

Month.	Pressure.	Temperature.										Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.123	29.540	28.440	27.2	31.8	....	37.6	22.6	30.1	61	2	23	25	....	85	76	....	0.133	0.148	....	5.26	2.14	6.9	6.5	....	6.9
February	28.990	29.420	28.680	29.9	34.0	....	38.6	26.6	32.6	62	2	26	26	....	86	73	....	.152	.152	....	2.11	0.77	7.0	6.9	....	7.3
March	28.975	29.410	28.430	39.0	48.0	....	54.2	35.6	44.9	75	9	30	31	....	71	55	....	.183	.190	....	4.62	1.42	5.2	5.4	....	5.1
April	28.783	29.124	28.240	45.4	52.8	....	58.8	40.6	49.7	82	26	38	40	....	76	65	....	.249	.276	....	6.42	2.02	6.3	7.3	....	6.8
May	28.992	29.320	28.700	57.2	66.6	....	71.0	53.9	62.4	87	38	47	47	....	71	53	....	.348	.350	....	2.51	1.13	6.0	5.5	....	5.5
June	28.974	29.259	28.580	67.3	75.4	....	79.5	63.1	71.3	90	52	60	58	....	77	57	....	.516	.491	....	2.39	0.97	4.1	5.1	....	4.5
July	28.989	29.200	28.698	69.5	79.1	....	83.2	65.5	74.4	93	53	61	59	....	75	51	....	.544	.508	....	1.73	0.69	4.6	5.2	....	4.5
August	29.001	29.170	28.860	67.7	75.8	....	80.0	64.3	72.2	88	53	63	62	....	85	65	....	.582	.583	....	6.71	1.42	5.9	7.1	....	6.6
September	28.987	29.150	28.810	64.3	73.9	....	77.9	61.9	69.9	88	44	60	60	....	86	62	....	.528	.530	....	4.88	2.63	4.4	4.9	....	4.5
October	29.107	29.400	28.630	55.1	67.4	....	71.1	53.1	62.1	84	30	45	47	....	71	50	....	.317	.342	....	2.75	2.05	3.4	3.5	....	3.2
November	29.092	29.510	28.582	38.7	46.0	....	50.1	36.5	43.3	71	18	32	33	....	79	64	....	.193	.203	....	2.22	0.68	6.9	6.0	....	6.1
December	28.962	29.320	28.330	33.4	38.2	....	42.4	30.0	36.2	58	9	29	30	....	82	74	....	.165	.178	....	1.40	0.57	7.6	7.7	....	7.5
Year	28.998	29.540	28.240	49.6	57.4	....	62.0	46.1	54.1	93	2	43	43	....	79	62	....	.326	.329	....	43.00	2.63	5.7	5.9	....	5.7

LINCOLN, NEBR.

[ϕ=40° 49′ N.; λ=96° 45′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.930	29.450	28.250	21.6	28.1	27.8	33.5	17.9	25.7	58	2	18	20	21	85	71	74	0.101	0.113	0.115	0.22	0.21	4.8	6.2	5.5	6.3
February	28.837	29.270	28.310	26.0	33.2	32.7	38.3	23.2	30.8	56	0	22	24	24	85	68	70	.126	.133	.135	0.84	0.54	5.3	6.4	5.5	6.4
March	28.559	29.260	27.690	33.9	48.8	46.7	55.2	30.0	42.6	79	−1	26	28	26	72	48	48	.149	.163	.149	0.68	0.28	3.9	4.4	4.9	4.5
April	28.549	28.930	28.000	37.0	47.7	48.6	53.2	34.7	44.0	75	15	32	33	35	83	58	61	.190	.197	.212	5.06	1.07	7.0	7.6	7.0	7.3
May	28.719	29.110	28.320	55.0	66.4	65.4	69.8	52.1	61.0	85	43	49	50	52	81	57	62	.361	.378	.399	3.77	1.53	8.2	7.3	6.9	7.1
June	28.687	28.990	28.348	65.9	78.9	78.1	82.8	63.2	73.0	96	48	57	57	57	74	48	50	.484	.487	.494	2.05	0.72	6.0	5.3	4.6	5.0
July	28.746	28.970	28.480	67.7	83.7	83.6	88.1	65.1	76.6	99	54	60	62	60	78	50	47	.530	.564	.530	3.80	1.00	5.5	3.7	1.9	3.8
August	28.754	28.990	28.350	63.4	78.8	77.5	83.0	60.7	71.8	93	52	57	59	58	80	52	54	.473	.503	.500	3.69	1.22	3.7	3.9	4.5	4.3
September	28.694	29.130	28.120	59.3	77.1	73.3	81.0	56.6	68.8	96	32	53	54	55	80	47	55	.414	.440	.463	1.44	0.60	4.1	4.5	3.4	4.1
October	28.714	29.170	28.280	51.0	67.9	64.0	72.4	48.7	60.6	89	26	44	45	46	76	47	53	.306	.323	.327	2.98	2.07	3.6	4.0	2.8	3.6
November	28.857	29.470	28.290	32.4	39.8	38.3	44.5	29.4	37.0	68	13	28	30	30	83	70	74	.160	.180	.178	1.20	0.59	6.8	7.2	5.9	7.4
December	28.660	29.190	27.980	24.9	33.1	30.8	36.9	21.5	29.2	56	−10	20	25	25	81	72	78	.139	.142	.143	0.46	0.42	4.8	6.5	3.6	5.6
Year	28.726	29.470	27.690	44.8	57.0	55.6	61.6	41.9	51.8	99	−10	39	41	41	80	57	60	.286	.302	.304	26.19	2.07	5.3	5.6	4.7	5.4

LITTLE ROCK, ARK.

[ϕ=34° 45′ N.; λ=92° 16′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.840	30.190	29.250	35.3	41.9	43.4	48.5	33.1	40.8	73	22	32	33	34	87	71	72	0.192	0.201	0.208	9.19	4.61	6.4	6.2	6.1	6.4
February	29.729	30.130	29.330	40.1	48.5	50.4	54.0	38.3	46.2	70	17	35	34	36	82	59	59	.216	.220	.225	1.16	0.59	6.2	5.6	5.4	5.6
March	29.614	30.230	28.800	45.8	55.3	56.9	62.5	43.5	53.0	80	17	39	39	40	78	58	57	.272	.280	.282	4.80	2.37	5.6	4.9	4.4	4.8
April	29.433	29.788	28.990	55.1	63.6	65.8	69.7	50.8	60.2	85	28	46	47	45	76	57	52	.329	.348	.327	6.59	2.82	5.6	4.8	4.0	4.9
May	29.584	29.850	29.350	65.5	75.7	75.8	79.0	62.9	71.0	89	50	61	62	64	85	65	68	.541	.566	.605	8.18	3.35	6.2	5.4	5.4	5.5
June	29.639	29.860	29.330	69.8	81.3	80.0	84.4	66.4	75.4	93	56	63	63	64	81	57	61	.586	.591	.606	4.27	1.77	3.5	4.8	3.1	3.8
July	29.643	29.820	29.390	74.1	84.7	83.7	89.4	71.4	80.4	99	61	70	71	70	86	64	65	.727	.754	.748	3.06	1.33	4.2	5.0	4.4	4.7
August	29.637	29.830	29.431	70.8	81.9	80.6	85.5	69.2	77.4	92	61	68	68	69	89	64	70	.679	.685	.712	3.33	1.15	4.6	5.1	4.5	5.2
September	29.621	29.820	29.270	68.6	80.9	77.7	83.9	66.6	75.2	92	44	65	67	66	90	63	70	.642	.681	.669	2.88	1.07	4.0	4.9	3.8	4.5
October	29.715	30.010	29.290	57.2	71.2	69.1	74.7	56.0	65.4	84	37	54	56	56	88	61	64	.428	.473	.460	3.23	1.80	4.4	4.7	3.8	4.5
November	29.805	30.260	29.430	41.6	53.2	52.1	57.5	39.3	48.4	76	23	37	39	39	82	60	62	.237	.262	.258	0.88	0.40	4.6	4.4	4.6	4.6
December	29.650	30.080	29.000	39.6	46.9	47.1	52.4	36.8	44.6	67	19	34	36	36	80	67	66	.210	.224	.228	6.99	2.36	5.0	5.8	5.1	5.6
Year	29.660	30.260	28.800	55.3	65.4	65.2	70.1	52.9	61.5	99	17	50	51	52	84	62	64	.422	.440	.444	54.56	4.61	5.0	5.1	4.6	5.0

LOS ANGELES, CALIF.

[ϕ=34° 03′ N.; λ=118° 15′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.716	29.910	29.350	51.6	62.0	59.4	65.2	48.0	56.6	89	41	43	43	46	75	54	66	0.281	0.287	0.327	0.50	0.27	3.3	4.4	4.5	4.7
February	29.701	29.870	29.435	52.4	61.9	59.7	65.1	50.0	57.6	82	43	46	46	49	82	60	70	.321	.319	.350	2.37	.71	6.7	6.1	5.8	5.9
March	29.640	30.000	29.270	50.5	62.6	60.0	65.0	48.5	56.8	80	43	43	44	45	78	54	61	.285	.291	.306	4.25	1.49	3.6	4.0	4.3	3.7
April	29.613	29.750	29.450	52.5	64.8	62.3	67.1	50.5	58.8	81	45	46	46	48	81	54	58	.316	.324	.314	1.00	.74	4.4	3.4	2.6	3.4
May	29.563	29.730	29.370	54.8	67.5	64.7	70.4	53.8	62.1	89	46	52	53	52	90	61	64	.383	.400	.391	.10	.10	6.1	4.2	2.9	4.1
June	29.566	29.680	29.434	59.2	70.6	68.4	73.2	58.3	65.8	82	55	56	56	56	91	61	65	.456	.459	.447	T.	T.	7.5	2.7	1.5	3.7
July	29.593	29.720	29.460	62.2	73.8	75.5	81.7	60.8	71.2	90	54	57	58	56	83	50	53	.463	.484	.456	T.	T.	4.0	1.1	.5	1.9
August	29.568	29.740	29.407	64.2	79.4	75.0	81.8	63.0	72.4	92	57	60	60	59	85	52	58	.511	.514	.501	.00	.00	5.2	1.4	1.0	2.6
September	29.571	29.700	29.436	60.6	75.1	71.0	77.8	59.0	68.4	89	55	56	57	56	86	54	60	.452	.463	.449	.04	.04	4.9	2.3	0.9	2.8
October	29.611	29.830	29.266	56.2	69.0	65.1	72.2	54.2	63.2	84	47	46	46	49	71	48	59	.321	.327	.357	.76	.44	3.6	2.8	2.1	3.0
November	29.720	29.860	29.480	54.1	65.9	61.6	68.6	51.6	60.1	80	46	45	44	48	74	51	64	.304	.304	.340	1.15	.85	4.4	3.9	3.7	4.1
December	29.708	29.930	29.450	50.3	60.7	58.1	63.9	47.6	55.8	75	41	39	41	44	68	52	62	.242	.263	.293	1.01	.59	4.3	4.5	3.4	4.1
Year	29.631	30.000	29.266	55.7	68.2	65.1	71.0	53.8	62.4	92	41	49	50	50	80	54	62	.261	.270	.378	11.18	1.49	4.8	3.4	2.8	3.7

Annual meteorological summary for the year ending December 31, 1920—Continued.

LEXINGTON, KY.

[H_b=989 ft.; h_t=193 ft.; h_r=187 ft.; h_a=230 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	13.9	SW.	54	SE.	2	3	3	4	4	3	8	3	3	0	6	8	17	15	9	7	3	0	6	8	0	27	0	0
February	13.7	NW.	40	SW.	1	4	4	0	1	5	4	7	4	0	6	4	19	11	8	9	6	0	5	7	0	22	0	0
March	18.6	SW.	56	SW.	8	0	0	1	5	8	9	4	4	0	14	4	13	12	10	5	4	0	0	4	0	12	1	1
April	17.8	SW.	60	SW.	10	2	1	4	4	6	6	4	3	0	7	6	17	14	13	3	2	0	0	0	0	8	7	0
May	12.1	NE.	40	SW.	1	3	7	7	5	3	4	1	1	0	10	10	11	8	8	0	0	0	2	0	0	0	3	0
June	11.7	SW.	38	SW.	0	2	3	4	2	2	9	5	3	0	15	7	8	11	8	0	0	0	0	0	1	0	7	0
July	11.6	SW.	37	NW.	0	0	4	4	4	5	10	2	2	0	11	14	6	10	7	0	0	0	0	0	3	0	8	0
August	9.7	SW.	35	NW.	0	3	3	4	4	6	10	1	0	0	6	9	16	15	12	0	0	0	1	0	0	0	11	0
September	10.4	SW.	40	W.	1	3	2	1	8	4	8	1	3	0	13	7	10	11	9	0	0	0	3	0	0	0	5	0
October	12.1	SW.	40	SW.	1	0	3	2	3	8	12	3	0	0	19	7	5	7	4	1	0	0	0	0	0	1	1	0
November	12.8	SW.	35	W.	0	5	3	3	2	3	8	4	2	0	9	6	15	9	8	4	2	0	1	3	0	9	0	0
December	17.4	SW.	54	SW.	7	0	2	3	6	4	8	7	1	0	6	3	22	11	6	6	3	0	1	4	0	16	0	0
Year	13.5	SW.	60	SW.	31	25	35	37	48	57	96	42	26	0	122	85	159	134	102	35	20	0	19	26	4	95	43	1

LINCOLN, NEBR.

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

Month.	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.
January	9.7	* N.	28	N.	0	23	5	1	7	17	4	3	2	0	7	8	16	2	1	12	2	0	0	13	0	31	0	0
February	10.0	N.	36	NW.	0	19	8	0	6	5	5	7	7	1	8	5	16	4	4	7	1	0	5	8	0	22	0	0
March	15.3	SE.	58	N.	7	10	3	0	15	10	5	10	9	0	14	7	10	7	4	6	4	1	0	4	0	16	2	0
April	12.6	N.	51	NW.	3	15	11	5	10	4	3	5	5	2	2	16	12	12	11	8	5	2	0	1	0	11	5	0
May	8.8	E.	35	NW.	0	6	9	19	14	9	0	1	4	0	2	12	17	14	9	0	0	2	0	0	0	0	9	0
June	11.1	S.	42	SE.	1	8	3	10	6	23	1	5	4	0	11	11	8	7	3	0	0	0	0	0	11	0	7	0
July	7.6	S.	46	N.	1	5	6	12	11	16	3	4	5	0	14	14	3	10	9	0	0	0	0	0	13	0	11	0
August	6.9	SE.	28	N.	0	10	8	8	16	11	6	1	2	0	16	8	7	7	7	0	0	0	0	0	6	0	5	0
September	7.6	S.	38	S.	0	9	5	3	8	22	2	3	7	1	11	14	5	8	6	0	0	1	1	0	8	1	5	0
October	9.3	S.	33	W.	0	9	5	3	20	21	0	2	2	0	18	8	5	4	3	0	0	0	0	0	0	2	2	0
November	9.7	N.	36	NW.	0	14	7	3	5	13	4	6	7	1	4	8	18	7	4	5	1	0	3	4	0	18	0	0
December	10.3	NW.	51	NW.	3	8	4	6	8	8	7	7	14	0	10	10	11	4	1	8	4	0	0	9	0	23	0	0
Year	9.9	S.	58	N.	15	136	74	70	126	159	40	54	68	5	117	121	128	86	62	46	17	6	9	39	38	124	46	0

LITTLE ROCK, ARK.

[H_b=357 ft.; h_t=136 ft.; h_r=129 ft.; h_a=144 ft.]

Month.	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.
January	8.4	N.	32	S.	0	17	11	7	1	4	8	5	9	0	9	5	17	10	9	1	1	0	1	0	0	16	3	0
February	8.7	N.	31	S.	0	6	9	4	2	11	3	6	16	1	8	12	9	5	4	1	0	0	1	0	0	8	0	0
March	11.9	S.	40	NW.	1	3	3	8	12	16	7	10	3	0	15	4	12	9	8	0	0	0	0	1	0	6	6	1
April	11.3	S.	42	W.	1	1	5	13	5	12	6	8	10	0	12	8	10	10	8	1	0	1	0	0	0	1	9	0
May	7.6	E.	47	NW.	2	6	11	19	7	10	4	2	3	0	10	12	9	15	14	0	0	0	1	0	0	0	12	0
June	7.0	S.	46	NW.	1	7	9	15	3	10	8	4	3	1	18	6	6	8	7	0	0	0	0	0	11	0	4	0
July	6.1	S.	26	NE.	0	1	12	8	6	19	11	3	1	1	9	17	5	10	6	0	0	1	0	0	13	0	12	0
August	5.9	S.	36	NW.	0	6	10	13	3	18	7	1	4	0	8	17	6	10	9	0	0	0	1	0	2	0	11	0
September	7.3	S.	34	N.	0	15	9	1	7	22	1	1	4	0	13	10	7	6	6	0	0	0	2	0	4	0	6	0
October	7.2	S.	26	NW.	0	2	3	9	8	27	2	4	4	3	14	7	10	7	4	0	0	0	1	0	0	0	1	0
November	8.5	S.	28	W.	0	14	2	4	4	18	5	2	10	1	16	2	12	7	5	1	0	0	1	0	0	7	0	0
December	10.3	S.	42	W.	1	10	4	9	2	15	8	8	6	0	11	7	13	12	11	1	0	0	0	0	0	8	3	0
Year	8.4	S.	47	NW.	6	88	88	110	60	182	70	54	73	7	143	107	116	109	91	5	1	2	8	1	30	46	67	1

LOS ANGELES, CALIF.

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

Month.	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.
January	5.3	NE.	28	NW.	0	5	21	1	0	7	20	1	7	0	12	9	10	3	3	0	0	0	4	0	0	0	0	0
February	5.8	NE.	26	NE.	0	2	23	1	5	4	17	1	5	0	9	5	15	11	7	0	0	1	1	0	0	0	0	0
March	7.1	NE.	35	NW.	0	1	16	3	1	3	28	1	9	0	18	5	8	10	9	0	0	1	2	0	0	0	2	0
April	6.6	SW.	30	NW.	0	0	11	7	5	1	18	14	4	0	17	7	6	4	2	0	0	0	1	0	0	0	0	0
May	5.4	SW.	17	W.	0	1	3	9	7	7	23	11	1	0	15	8	8	1	1	0	0	0	3	0	0	0	0	0
June	5.9	SW.	20	SW.	0	0	4	6	11	5	27	7	0	0	15	12	3	0	0	0	0	0	3	0	0	0	0	0
July	5.3	SW.	18	S.	0	3	5	9	7	2	24	9	3	0	24	7	0	0	0	0	0	0	1	0	1	0	1	0
August	5.3	SW.	18	W.	0	0	7	2	9	2	22	17	3	0	20	9	2	0	0	0	0	0	1	0	2	0	0	0
September	5.0	SW.	19	W.	0	3	7	3	6	1	22	13	4	1	20	6	4	1	1	0	0	0	2	0	0	0	0	0
October	5.6	SW.	24	SW.	0	1	16	6	2	1	19	13	4	0	16	12	3	3	2	0	0	0	2	0	0	0	1	0
November	5.2	NE.	19	NW.	0	3	19	5	3	1	12	14	3	0	14	10	6	3	2	0	0	0	4	0	0	0	2	0
December	5.8	NE.	30	NW.	0	4	18	6	6	2	7	12	7	0	15	7	9	6	5	0	0	0	2	0	0	0	0	0
Year	5.7	SW.	35	NW.	0	23	150	58	62	36	239	113	50	1	195	97	74	42	32	0	0	2	26	0	3	0	6	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

LOUISVILLE, KY.

[ϕ=38° 15′ N.; λ=85° 45′ W.]

Month.	Pressure.			Temperature.								Moisture.															
	Monthly mean.	Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
		Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.667	30.080	28.950	27.1	33.0	32.1	37.2	23.8	30.5	64	5	22	24	24	81	70	71	0.125	0.143	0.138	4.77	2.25	6.7	5.9	4.8	5.8
February	29.519	29.900	29.120	30.1	36.7	36.2	41.0	27.4	34.2	61	4	25	26	27	78	65	68	.139	.147	.151	0.79	0.44	6.9	6.0	6.6	6.4
March	29.452	29.930	28.810	40.9	50.9	49.4	55.8	37.4	46.6	78	10	32	33	34	71	53	58	.202	.210	.217	5.49	1.49	4.4	4.2	4.4	4.2
April	29.271	29.631	28.660	47.0	55.2	53.5	60.2	42.1	51.2	82	26	39	41	43	75	61	69	.256	.283	.294	5.16	2.37	6.2	6.7	5.8	6.4
May	29.476	29.825	29.160	58.6	69.0	67.7	73.8	55.6	64.7	89	42	50	50	52	73	55	60	.373	.385	.403	2.53	0.86	6.2	4.7	4.3	4.8
June	29.449	29.744	29.020	68.5	78.4	76.6	81.7	63.8	72.8	93	52	59	58	59	73	52	56	.511	.487	.506	1.72	1.08	3.4	4.5	4.1	3.9
July	29.460	29.660	29.150	70.4	82.0	78.7	85.7	66.8	76.2	95	57	62	62	62	75	52	59	.567	.564	.568	2.13	0.65	3.5	4.2	4.1	3.8
August	29.474	29.660	29.270	68.4	78.9	75.7	82.1	65.2	73.6	91	54	63	63	64	84	60	69	.594	.593	.617	4.78	2.28	5.1	6.0	4.2	5.2
September	29.463	29.660	29.270	64.5	77.0	73.5	80.4	62.2	71.3	88	46	59	61	62	84	59	69	.519	.554	.575	1.79	0.65	4.6	4.0	3.2	4.0
October	29.576	29.920	29.041	54.4	70.9	67.1	73.7	52.2	63.0	86	32	46	47	47	75	45	50	.329	.345	.338	1.55	1.27	2.6	2.9	2.3	2.9
November	29.597	30.060	29.080	40.2	48.7	46.9	51.9	37.8	44.8	70	21	33	35	35	75	61	64	.196	.218	.215	3.35	2.36	5.8	5.1	5.0	5.5
December	29.443	29.860	28.760	34.7	40.5	39.5	44.2	32.0	38.1	59	8	29	31	30	78	69	69	.170	.184	.180	2.09	0.72	6.3	6.4	5.4	6.8
Year	29.488	30.080	28.660	50.4	60.1	58.1	64.0	47.2	55.6	95	4	43	44	45	77	58	64	.332	.342	.350	36.15	2.37	5.1	5.0	4.5	5.0

LUDINGTON, MICH.

[ϕ=43° 57′ N.; λ=86° 27′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.509	30.110	28.920	14.4	17.2	16.8	21.9	9.0	15.4	36	−4	12	13	12	87	82	82	0.073	0.080	0.080	1.25	0.30	8.5	7.0	8.2	7.8
February	29.342	30.070	28.740	17.3	22.1	22.2	26.2	12.5	19.4	34	−6	15	17	18	90	80	82	.089	.095	.098	.82	.19	8.1	7.0	7.5	7.2
March	29.164	29.676	28.380	29.7	33.8	33.9	40.1	24.9	32.5	65	1	26	28	28	87	79	79	.156	.167	.168	5.21	1.47	5.7	6.5	5.2	6.1
April	29.109	29.590	28.440	35.2	40.0	38.5	43.9	31.2	37.6	66	21	30	32	31	80	72	73	.173	.189	.180	2.82	.93	7.1	6.9	6.4	6.6
May	29.398	29.791	28.909	49.4	52.9	52.5	59.0	41.8	50.4	73	29	43	44	43	78	74	72	.284	.298	.290	2.51	.92	3.6	3.5	3.3	3.4
June	29.301	29.620	28.890	59.0	62.6	62.7	69.0	51.1	60.0	81	45	52	52	52	79	70	69	.399	.398	.392	2.91	1.06	5.3	4.4	5.5	4.7
July	29.290	29.560	28.880	60.6	64.7	64.6	69.4	54.1	61.8	79	48	56	57	57	85	78	76	.454	.477	.464	2.15	.81	5.1	4.1	4.2	3.6
August	29.360	29.630	29.020	61.5	68.1	66.6	72.8	55.7	64.2	84	42	57	60	58	87	75	76	.481	.518	.499	2.33	1.25	5.8	3.7	4.1	3.1
September	29.305	29.650	28.930	59.0	66.6	63.3	69.9	54.2	62.0	85	40	53	55	54	82	68	72	.421	.448	.427	1.99	1.13	3.9	3.4	2.9	3.8
October	29.362	29.780	28.880	53.5	59.2	57.1	62.3	50.3	56.3	76	33	48	49	49	82	69	75	.343	.361	.354	2.44	.63	4.3	4.5	2.8	4.2
November	29.382	29.840	28.850	37.0	39.2	38.3	42.4	33.1	37.8	53	21	32	33	32	82	78	79	.184	.191	.188	2.29	.66	8.9	6.8	7.1	7.7
December	29.168	29.670	28.100	30.5	32.6	31.9	35.6	27.2	31.4	57	14	27	28	28	87	84	84	.153	.161	.159	4.01	.90	9.2	8.6	8.7	8.8
Year	29.308	30.110	28.100	42.3	46.5	45.7	51.0	37.1	44.1	85	−6	38	39	38	84	76	77	.268	.282	.275	30.73	1.47	6.3	5.5	5.5	5.6

LYNCHBURG, VA.

[ϕ=37° 25′ N.; λ=79° 09′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.439	30.040	28.850	30.2	37.6	35.2	44.0	24.9	34.4	67	9	21	26	26	68	62	67	0.127	0.153	0.147	1.64	0.72	6.0	5.7	4.1	6.1
February	29.268	30.060	28.860	30.1	38.1	37.5	44.1	26.7	35.4	62	10	22	27	30	70	64	72	.124	.153	.170	4.03	2.72	5.8	5.6	3.9	6.3
March	29.303	29.730	28.690	40.1	51.3	51.0	59.3	35.6	47.4	77	14	30	36	38	68	57	62	.184	.229	.246	2.82	.76	5.1	4.1	2.2	4.3
April	29.117	29.467	28.556	49.1	57.9	56.9	65.4	43.2	54.3	85	29	36	41	45	64	55	67	.233	.270	.318	3.53	.80	4.8	4.3	4.5	4.9
May	29.321	29.757	28.970	57.1	68.3	65.0	73.7	49.8	61.8	86	36	46	52	53	68	57	67	.324	.398	.413	0.79	.22	4.6	4.1	3.7	4.5
June	29.273	29.644	28.810	68.2	77.9	73.9	83.4	60.4	71.9	94	48	59	62	62	73	61	68	.504	.567	.564	5.12	1.99	3.8	4.1	5.0	5.2
July	29.296	29.521	28.970	70.4	81.2	75.9	85.6	63.9	74.8	94	53	63	66	66	76	60	72	.576	.637	.641	4.82	1.81	3.7	3.9	4.0	4.0
August	29.335	29.500	29.120	69.1	77.1	72.3	81.8	65.6	73.7	90	57	65	67	67	86	71	84	.617	.660	.664	6.76	2.83	6.7	6.6	5.6	6.1
September	29.300	29.580	28.770	64.1	74.8	69.8	79.1	59.9	69.5	89	48	58	61	62	82	64	77	.496	.543	.561	4.51	2.52	5.0	4.3	3.1	5.0
October	29.412	29.636	28.900	52.0	69.2	60.9	74.0	47.5	60.8	86	34	45	50	53	78	53	75	.313	.385	.415	0.10	.10	1.9	1.9	0.7	2.0
November	29.389	29.797	28.830	40.2	51.7	47.8	55.9	36.8	46.4	79	15	32	39	40	73	64	75	.188	.249	.261	7.14	2.76	5.1	4.4	4.5	5.2
December	29.272	29.750	28.745	35.5	43.4	41.3	48.5	31.9	40.2	67	19	26	31	33	69	62	71	.150	.183	.192	2.34	.77	5.2	4.5	4.2	5.4
Year	29.310	30.060	28.556	50.5	60.7	57.3	66.2	45.5	55.9	94	9	42	46	48	73	61	71	.320	.369	.383	43.60	2.83	4.8	4.5	3.8	4.9

MACON, GA.

[ϕ=32° 50′ N.; λ=83° 38′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.814	30.180	29.330	42.7	52.4	50.6	57.5	38.9	48.2	77	17	37	38	38	81	62	64	0.254	0.270	0.256	4.40	1.36	6.5	6.5	5.3	6.6
February	29.652	30.150	29.140	39.4	49.3	48.1	54.4	36.6	45.5	70	19	34	35	34	82	59	61	.218	.225	.222	3.56	1.44	6.1	5.9	4.1	5.7
March	29.704	30.170	29.230	46.7	58.6	57.2	63.4	43.0	53.2	81	17	39	40	40	74	52	56	.271	.289	.283	7.91	2.92	5.5	4.5	3.9	4.7
April	29.501	29.810	29.100	57.7	66.5	65.6	72.5	53.3	62.9	87	34	50	50	50	78	58	61	.308	.391	.394	6.06	1.93	6.6	6.3	5.4	6.3
May	29.619	29.940	29.370	65.2	75.4	72.6	79.1	60.4	69.8	90	52	58	56	58	77	54	63	.486	.461	.487	4.96	1.86	6.8	7.3	5.5	6.8
June	29.620	29.950	29.370	73.7	85.2	82.2	89.2	67.6	78.4	99	60	64	60	60	74	44	50	.609	.518	.534	2.52	1.78	3.5	4.5	4.5	4.3
July	29.664	29.900	29.440	75.2	85.1	80.3	89.1	70.0	79.6	95	62	69	66	68	81	55	68	.705	.655	.690	2.78	0.82	6.1	6.5	6.5	6.3
August	29.664	29.810	29.440	73.6	83.4	77.2	87.1	69.9	78.5	94	64	69	68	70	86	60	78	.715	.678	.724	5.32	1.24	6.7	7.3	7.5	7.0
September	29.619	29.770	29.230	70.5	83.0	76.3	86.7	66.3	76.8	95	50	66	64	66	84	54	69	.645	.613	.639	5.77	2.44	4.8	5.9	5.0	5.4
October	29.758	30.060	29.420	54.2	73.0	66.9	76.4	50.7	63.6	87	34	50	47	51	86	42	58	.375	.347	.392	0.45	0.45	2.9	3.4	2.1	3.3
November	29.747	30.060	29.300	43.8	59.6	54.9	63.5	41.5	52.6	79	31	38	40	42	81	50	64	.241	.262	.289	3.97	3.35	4.9	5.1	3.2	4.8
December	29.687	29.990	29.280	40.7	52.4	49.1	57.3	38.1	47.7	71	26	34	36	37	77	56	64	.202	.221	.231	3.58	1.61	5.8	5.8	4.5	5.6
Year	29.671	30.180	29.100	57.0	68.6	65.1	73.0	53.1	63.1	99	17	51	50	51	80	54	63	.427	.411	.428	51.28	3.35	5.5	5.8	4.8	5.6

Annual meteorological summary for the year ending December 31, 1920—Continued.

LOUISVILLE, KY.

[H_b=525 ft.; h_t=219 ft.; h_r=214 ft.; h_a=255 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles	*	*Mi.*																									
January	12.3	W.	39	SW.	0	10	9	4	4	8	8	11	8	0	10	6	15	11	10	8	2	0	0	9	0	26	0	0
February	13.1	NW.	39	SW.	0	10	4	4	2	9	4	12	13	0	7	5	17	5	3	9	2	0	0	6	0	19	0	0
March	16.9	S.	56	S.	8	1	3	0	8	24	10	13	3	0	14	9	8	10	9	5	0	2	0	3	0	10	4	1
April	15.6	S.	52	SW.	7	3	5	7	5	12	11	10	7	0	5	11	14	11	11	5	0	0	0	0	0	3	6	0
May	10.7	N.	44	SW.	1	18	16	5	6	8	4	4	1	0	12	8	11	11	8	0	0	0	0	0	0	0	5	0
June	10.5	SW.	40	S.	2	11	7	4	1	4	26	5	2	0	18	5	7	8	7	0	0	0	0	0	8	0	4	0
July	9.6	SW.	44	NW.	2	9	8	5	1	8	17	10	2	2	16	9	6	9	7	0	0	0	0	0	4	0	8	0
August	8.3	S.	39	W.	0	15	8	4	4	18	6	4	3	0	8	13	10	12	8	0	0	0	0	0	1	0	8	0
September	9.2	S.	36	NW.	0	10	6	3	9	16	7	3	6	0	15	7	8	9	8	0	0	0	1	0	0	0	7	0
October	8.9	S.	37	S.	0	5	5	7	6	25	4	8	1	1	20	6	5	4	3	0	0	0	4	0	0	1	1	0
November	11.9	W.	36	NW.	0	12	2	4	3	15	5	15	3	1	13	2	15	10	8	2	1	0	0	2	0	7	1	0
December	15.1	W.	57	SW.	7	5	5	3	9	14	10	16	0	0	7	6	18	8	6	5	1	0	0	4	0	13	0	0
Year	11.8	S.	57	SW.	27	109	78	50	58	161	112	111	49	4	145	87	134	108	88	34	6	2	5	24	13	79	44	1

LUDINGTON, MICH.

[H_b=637 ft.; h_t=60 ft.; h_r=53 ft.; h_a=66 ft.]

Month.	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.
January	12.8	E.	40	SW.	1	5	9	11	8	3	8	8	10	0	2	11	18	17	12	27	17	0	0	26	0	31	0	0
February	9.3	N.	39	W.	0	9	7	9	5	5	4	11	8	0	3	10	16	14	8	20	14	0	0	25	0	29	0	0
March	14.3	S.	48	SE.	3	7	2	7	10	15	8	6	7	0	8	11	12	12	10	10	6	2	1	9	0	22	4	3
April	12.0	N.	46	SW.	1	14	6	10	1	5	6	14	4	0	4	12	14	14	8	10	6	0	0	5	0	17	1	6
May	8.8	S.	35	SW.	0	14	8	8	3	17	2	4	6	0	19	7	5	9	7	0	0	0	2	0	0	2	3	1
June	8.3	S.	31	S.	0	13	5	6	0	20	12	2	2	0	11	13	6	11	8	0	0	0	2	0	0	0	9	0
July	8.8	S.	28	S.	0	14	4	6	3	22	5	2	5	1	18	8	5	8	6	0	0	0	0	0	0	0	7	0
August	7.2	N.	28	N.	0	19	5	13	5	12	4	3	1	0	19	9	3	8	6	0	0	0	3	0	0	0	6	1
September	9.2	S.	37	W.	0	7	5	13	13	7	6	3	5	1	14	10	6	6	5	0	0	0	1	0	0	0	3	3
October	9.9	S.	28	NW.	0	9	4	6	6	22	4	8	3	0	14	9	8	11	8	1	1	1	2	0	0	0	4	0
November	10.9	W.	36	W.	0	4	4	14	9	2	6	12	8	1	1	12	17	17	11	11	5	0	0	2	0	11	1	0
December	12.6	SE.	53	W.	2	4	3	5	17	2	3	14	14	0	1	5	25	19	12	17	14	0	1	12	0	22	0	0
Year	10.3	S.	53	W.	7	119	62	108	80	132	68	87	73	3	114	117	135	146	101	96	63	3	12	79	0	134	38	14

LYNCHBURG, VA.

[H_b=681 ft.; h_t=153 ft.; h_r=146 ft.; h_a=188 ft.]

Month.	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.
January	8.6	W.	36	N.	0	4	10	8	1	2	10	14	13	0	11	4	16	10	7	3	3	0	1	6	0	28	0	0
February	9.4	NW.	37	NE.	0	3	8	7	1	3	9	9	18	0	8	8	13	11	10	3	2	0	0	4	0	20	0	0
March	9.2	NW.	40	NW.	1	6	3	3	3	7	16	6	16	2	13	11	7	10	9	1	1	0	0	1	0	14	0	1
April	9.7	NW.	40	SW.	1	9	3	10	3	5	9	9	12	0	15	7	8	11	8	1	0	0	0	0	0	4	3	0
May	6.5	E.	30	NW.	0	12	9	15	5	6	7	4	4	0	15	9	7	11	6	0	0	0	0	0	0	0	0	0
June	6.3	W.	36	N.	0	6	6	10	2	4	9	13	10	0	10	14	6	11	10	0	0	0	1	0	8	0	7	0
July	6.0	SW.	44	W.	1	6	7	9	6	6	15	9	4	0	16	12	3	12	11	0	0	0	3	0	6	0	9	0
August	5.2	E.	25	NW.	0	4	9	11	3	2	11	17	5	0	4	17	10	15	13	0	0	0	1	0	3	0	8	0
September	5.4	E.	24	N.	0	11	2	20	6	2	4	6	9	0	11	12	7	9	8	0	0	0	3	0	0	0	6	0
October	5.6	NW.	26	NW.	0	3	6	7	0	11	10	14	11	0	24	5	2	1	1	0	0	0	1	0	0	0	0	0
November	7.7	NW.	36	W.	0	7	9	4	0	4	9	14	13	0	12	7	11	11	8	0	0	0	2	0	0	6	0	0
December	8.1	W.	40	W.	1	8	4	6	1	1	9	17	16	0	11	10	10	9	8	0	0	0	0	1	0	17	0	0
Year	7.3	W.	44	W.	4	79	76	110	31	53	118	132	131	2	150	116	100	121	99	8	6	0	12	12	17	89	33	1

MACON, GA.

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

Month.	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.
January	7.6	NE.	28	NE.	0	5	15	3	0	8	5	8	15	3	8	6	17	10	9	0	0	0	5	0	0	6	0	0
February	7.6	NW.	29	NW.	0	4	8	0	2	9	4	10	21	0	12	2	15	10	8	0	0	0	4	0	0	10	1	0
March	7.7	NW.	59	NW.	1	5	5	6	9	11	3	5	16	2	15	4	12	11	11	0	0	1	0	0	0	8	7	1
April	7.2	S.	33	S.	0	6	4	4	3	14	8	12	8	1	9	5	16	10	10	0	0	1	0	0	0	0	7	0
May	5.8	E.	26	NW.	0	7	15	14	7	3	3	2	10	1	5	9	17	9	9	0	0	0	0	0	1	0	7	0
June	5.5	SW.	28	S.	0	6	4	13	5	8	14	3	7	0	15	8	7	7	7	0	0	0	0	0	10	0	5	0
July	5.2	S.	29	NW.	0	3	6	5	5	18	11	11	2	1	7	10	14	13	11	0	0	0	0	0	13	0	15	0
August	4.8	S.	26	S.	0	8	4	8	8	12	7	5	8	2	4	8	19	18	14	0	0	0	0	0	8	0	14	0
September	5.1	NE.	29	NW.	0	7	17	6	9	1	1	5	12	2	8	14	8	11	9	0	0	1	1	0	10	0	10	0
October	4.9	N.	21	NW.	0	23	10	10	4	2	1	1	8	3	19	5	7	2	2	0	0	0	2	0	0	0	0	0
November	5.8	NW.	24	NE.	0	7	9	5	0	8	7	2	21	1	12	7	11	6	5	0	0	0	2	0	0	5	0	0
December	6.1	NW.	38	NW.	0	4	6	5	3	7	8	10	18	1	10	3	13	9	8	0	0	0	1	0	0	6	1	0
Year	6.1	NW.	59	NW.	1	85	103	79	55	101	72	74	146	17	124	86	156	116	103	0	0	3	15	0	42	35	67	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

MADISON, WIS.

[ϕ=43° 05′ N.; λ=89° 23′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.175	29.650	28.540	7.5	13.0	12.8	17.9	2.1	10.0	35	−14	5	6	8	88	73	79	0.056	0.059	0.064	0.84	0.32	7.2	7.2	6.2	7.3
February	29.016	29.622	28.364	14.7	20.6	20.3	25.7	11.0	18.4	38	−14	11	11	14	84	67	75	.080	.082	.087	.51	.18	7.8	7.1	6.1	7.2
March	28.801	29.305	28.006	28.5	35.9	36.3	42.6	25.3	34.0	72	− 7	24	26	29	83	68	75	.151	.165	.177	4.07	1.67	4.9	5.1	3.6	5.5
April	28.776	29.210	28.090	35.4	41.9	42.8	47.9	32.9	40.4	70	19	27	29	31	71	62	63	.160	.174	.179	3.43	1.53	6.8	7.2	5.3	7.0
May	29.047	29.420	28.630	50.3	61.4	60.9	66.1	47.0	56.6	82	33	40	41	42	71	50	52	.261	.271	.281	2.51	1.10	6.1	5.4	5.4	5.8
June	28.958	29.266	28.471	64.1	73.7	72.3	77.9	60.1	69.0	90	49	56	57	58	76	57	62	.468	.490	.495	5.62	2.44	6.2	6.0	5.0	6.1
July	28.972	29.225	28.590	64.1	73.5	73.6	77.8	60.4	69.1	91	52	56	56	56	76	56	56	.454	.460	.464	1.39	.63	5.1	5.3	3.9	4.8
August	29.018	29.280	28.670	62.1	74.0	72.8	78.2	59.3	68.8	90	50	56	56	56	80	54	58	.453	.457	.470	2.61	1.37	4.4	4.4	4.7	4.5
September	28.968	29.300	28.657	68.6	71.5	67.4	74.6	56.4	65.5	89	37	54	53	52	84	55	59	.428	.425	.402	1.12	.69	6.2	5.2	5.5	5.4
October	29.024	29.460	28.620	50.4	62.2	59.4	66.3	48.4	57.4	82	26	45	47	47	82	61	65	.315	.346	.343	1.99	.91	4.5	4.6	4.1	5.0
November	29.053	29.520	28.480	31.8	36.9	35.9	39.7	28.8	34.2	55	12	29	30	30	90	77	80	.170	.174	.178	1.83	.57	7.0	7.5	7.2	7.6
December	28.846	29.330	27.850	24.5	28.2	27.1	31.7	20.7	26.2	54	−10	22	25	25	88	86	91	.129	.145	.146	1.33	.32	7.3	7.3	7.5	8.0
Year	28.971	29.650	27.850	41.0	49.4	48.5	53.9	37.7	45.8	91	−14	35	36	37	81	64	68	.261	.271	.274	27.16	2.44	6.1	6.0	5.4	6.2

MANTEO, N. C.

[ϕ=35° 54′ N.; λ=75° 40′ W.]

January	.....	.....	.....	.....	.....	.....	51.7	31.2	41.4	73	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.06	0.62	.....	.....	.....	.....
February	.....	.....	.....	.....	.....	.....	49.4	33.2	41.3	62	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.00	1.96	.....	.....	.....	.....
March	.....	.....	.....	.....	.....	.....	60.3	38.5	49.4	74	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.40	1.92	.....	.....	.....	.....
April	.....	.....	.....	.....	.....	.....	67.9	46.1	57.0	85	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.34	1.30	.....	.....	.....	.....
May	.....	.....	.....	.....	.....	.....	66.8	49.1	58.0	80	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.38	.22	.....	.....	.....	.....
June	.....	.....	.....	.....	.....	.....	83.0	63.2	73.1	97	49	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.86	2.32	.....	.....	.....	.....
July	.....	.....	.....	.....	.....	.....	86.0	65.5	75.8	92	56	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.80	2.30	.....	.....	.....	.....
August	.....	.....	.....	.....	.....	.....	85.4	68.4	76.9	94	64	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.23	.77	.....	.....	.....	.....
September	.....	.....	.....	.....	.....	.....	82.0	63.7	72.8	90	54	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.10	1.32	.....	.....	.....	.....
October	.....	.....	.....	.....	.....	.....	75.0	53.8	64.4	82	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.24	1.80	.....	.....	.....	.....
November	.....	.....	.....	.....	.....	.....	65.1	47.0	56.0	77	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.26	1.64	.....	.....	.....	.....
December	.....	.....	.....	.....	.....	.....	59.5	38.3	48.9	66	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.50	2.74	.....	.....	.....	.....
Year	.....	.....	.....	.....	.....	.....	69.3	49.8	59.6	97	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	46.17	2.74	.....	.....	.....	.....

MARQUETTE, MICH.

[ϕ=46° 34′ N.; λ=87° 24′ W.]

January	29.413	30.092	28.684	6.4	11.1	9.5	61.1	2.3	9.2	34	−11	3	6	5	86	79	81	0.050	0.057	0.056	1.84	0.30	8.0	8.6	6.1	7.7
February	29.202	30.096	28.670	11.9	18.2	16.5	22.4	8.8	15.6	36	− 8	9	14	12	87	81	83	.068	.083	.078	1.05	.26	7.2	7.8	5.4	7.6
March	29.049	29.590	28.120	23.6	29.8	28.5	36.5	19.5	28.0	60	− 3	19	22	23	82	72	78	.116	.130	.136	3.34	1.40	6.7	5.9	6.0	5.9
April	29.054	29.580	28.120	31.3	34.7	32.7	38.9	26.9	32.9	56	11	25	28	28	77	77	82	.143	.159	.155	2.28	.88	7.9	8.0	6.8	7.6
May	29.321	29.652	28.750	48.9	52.8	51.7	59.3	41.5	50.4	85	28	36	41	41	62	65	68	.219	.264	.264	.74	.44	4.7	5.0	4.1	4.8
June	29.212	29.500	28.910	55.8	61.1	58.6	69.0	48.8	58.9	88	42	48	51	50	77	70	74	.346	.381	.365	2.80	.95	6.2	6.6	6.7	6.2
July	29.189	29.490	28.828	60.7	65.2	63.6	70.9	53.5	62.2	85	46	51	52	51	72	65	65	.384	.404	.380	4.62	2.03	6.2	5.7	4.9	5.8
August	29.284	29.560	28.890	60.3	65.8	63.2	70.6	54.9	62.8	85	47	54	56	54	80	71	74	.420	.455	.434	3.50	1.12	4.4	5.1	3.9	4.6
September	29.209	29.630	28.810	57.6	64.8	60.2	69.6	52.0	60.8	86	39	50	54	52	76	69	75	.373	.436	.405	1.94	.80	5.3	6.5	5.1	6.1
October	29.239	29.720	28.920	51.2	60.1	54.9	63.7	48.2	56.0	79	28	44	49	48	76	68	77	.301	.364	.346	1.82	.79	5.4	5.5	4.5	5.8
November	29.302	29.740	28.690	31.2	36.3	33.1	38.7	29.0	33.8	50	16	26	29	29	81	75	84	.145	.160	.160	2.96	.71	8.1	7.8	7.8	8.1
December	29.060	29.640	27.835	25.4	29.1	27.2	31.8	22.1	27.0	51	1	22	24	24	84	80	85	.121	.134	.123	2.27	.71	9.2	9.0	8.3	8.8
Year	29.215	30.096	27.835	38.7	44.1	41.6	49.0	34.0	41.5	88	−11	32	36	35	78	73	77	.224	.252	.243	29.16	2.03	6.6	6.8	5.8	6.6

MEMPHIS, TENN.

[ϕ=35° 09′ N.; λ=90° 03′ W.]

January	29.832	30.180	29.260	35.0	39.4	40.9	45.8	32.8	39.3	70	19	30	32	33	83	74	74	0.180	0.192	0.206	6.01	2.76	5.9	6.0	5.2	6.4
February	29.719	30.130	29.360	39.2	44.8	46.4	50.4	36.7	43.6	70	16	32	33	34	75	65	63	.192	.201	.210	2.07	.66	7.1	6.2	5.3	6.4
March	29.634	30.160	29.010	47.0	53.2	55.4	60.2	43.5	51.8	79	17	37	38	39	67	59	57	.246	.249	.268	4.72	3.82	4.9	4.8	4.0	4.8
April	29.449	29.798	29.040	53.4	61.7	63.1	68.0	50.8	59.4	86	29	45	50	52	74	66	70	.322	.384	.421	7.75	2.75	4.8	5.0	4.9	4.9
May	29.594	29.840	29.370	65.9	73.6	73.5	77.8	63.2	70.5	88	51	60	62	63	83	70	70	.537	.578	.576	8.12	2.52	7.0	6.1	6.8	6.5
June	29.529	29.870	29.360	71.9	80.4	80.2	84.3	68.7	76.5	94	61	63	65	63	74	57	58	.576	.580	.579	1.98	.67	5.3	4.7	4.1	4.2
July	29.537	29.800	29.380	74.7	83.1	82.3	86.5	72.3	79.4	92	65	68	69	70	81	65	67	.699	.724	.733	3.55	1.22	4.6	5.5	5.8	5.3
August	29.530	29.800	29.471	71.4	81.0	79.5	84.8	69.9	77.4	92	61	66	68	68	83	66	68	.648	.692	.683	2.32	1.13	3.7	5.9	4.3	5.3
September	29.617	29.750	29.432	69.5	79.3	76.0	82.6	67.1	74.8	90	42	64	66	65	85	65	70	.621	.654	.644	10.82	3.39	4.1	4.0	3.6	4.2
October	29.727	30.040	29.270	58.7	71.5	69.8	75.3	57.7	66.5	84	38	49	55	53	72	58	58	.369	.428	.420	2.68	1.28	4.3	3.9	1.8	3.5
November	29.791	30.208	29.435	42.7	52.1	51.7	56.6	40.8	48.7	76	22	36	44	44	77	74	76	.226	.234	.214	1.32	.32	4.8	3.8	3.6	4.2
December	29.651	30.020	29.040	40.6	46.3	46.5	51.0	38.2	44.6	65	20	34	38	38	76	74	78	.208	.248	.246	7.11	2.82	6.0	5.6	4.4	5.7
Year	29.659	30.208	29.010	55.8	63.9	63.8	68.6	53.5	61.0	94	16	49	52	52	78	66	67	.402	.439	.442	58.30	3.39	5.0	5.1	4.6	5.1

Annual meteorological summary for the year ending December 31, 1920—Continued.

MADISON, WIS.

[H_b=974 ft.; h_t=70 ft.; h_r=62 ft.; h_a=78 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	10.4	NW.	36	NE.	0	11	7	2	3	7	3	14	15	0	7	5	19	10	7	17	10	0	0	28	0	31	0	0
February	8.7	NW.	33	NE.	0	10	4	5	3	2	8	11	15	0	4	8	17	9	3	20	8	0	0	24	0	29	0	0
March	13.1	SE.	50	S.	2	1	3	2	13	10	12	5	15	1	10	9	12	12	10	7	4	2	3	6	0	20	3	3
April	11.6	NW.	39	N.	0	11	11	6	6	1	7	7	11	0	6	8	16	16	10	5	2	1	2	1	0	11	5	3
May	8.5	SE.	48	SE.	1	2	13	10	12	4	6	6	7	2	10	10	11	9	9	0	0	0	0	0	0	0	7	0
June	7.8	SW.	44	NE.	1	3	9	2	17	10	13	2	4	0	4	15	11	11	10	0	0	1	0	0	1	0	8	1
July	7.6	SW.	34	NE.	0	6	6	2	5	5	13	13	12	0	12	11	8	6	3	0	0	0	1	0	1	0	9	0
August	6.2	N.	26	SW.	0	12	8	5	6	13	4	8	5	1	13	11	7	8	6	0	0	0	0	0	1	0	9	0
September	8.3	S.	26	W.	0	5	12	3	9	9	8	7	7	0	11	9	10	6	4	0	0	0	0	0	0	0	3	1
October	8.1	S.	27	S.	0	4	3	4	9	21	8	7	6	0	13	7	11	7	7	1	0	0	3	0	0	3	3	0
November	8.8	NW.	28	W.	0	6	2	5	8	8	8	13	10	0	5	4	21	7	5	7	2	1	3	8	0	18	1	0
December	10.2	W.	33	W.	0	4	3	0	15	7	4	16	12	1	2	8	21	13	8	15	9	0	2	16	0	27	0	0
Year	9.1	NW.	50	S.	4	75	81	46	106	97	94	109	119	5	97	105	164	114	82	72	35	5	14	83	3	139	48	8

MANTEO, N. C.

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

		*																										
January	.....	NE.	....	.....	....	5	7	1	0	6	4	3	5	0	8	9	14	6	5	0	0	....	....	2	0	17	0	0
February	.....	NW.	....	.....	....	8	5	0	1	1	1	3	10	0	10	6	13	8	8	0	0	....	....	0	0	14	1	0
March	.....	NE.	....	.....	....	1	8	2	3	5	6	3	3	0	18	6	7	6	6	0	0	....	....	0	0	8	0	0
April	.....	SW.	....	.....	....	4	3	2	4	4	8	4	1	0	11	6	13	10	10	0	0	....	....	0	0	0	0	0
May	.....	NE.	....	.....	....	8	10	2	5	2	3	0	1	0	17	5	9	3	2	0	0	....	....	0	0	0	0	0
June	.....	S.	....	.....	....	3	4	2	2	12	7	0	0	0	19	6	5	7	7	0	0	....	....	0	9	0	1	0
July	.....	SW.	....	.....	....	5	4	0	2	1	17	2	0	0	11	7	13	13	13	0	0	....	....	0	8	0	6	0
August	.....	SW.	....	.....	....	4	5	0	6	6	10	0	0	0	9	10	12	9	9	0	0	....	....	0	7	0	4	0
September	.....	NE.	....	.....	....	4	11	4	0	5	4	1	1	0	20	3	7	4	4	0	0	....	....	0	1	0	0	0
October	.....	NE.	....	.....	....	5	7	2	5	3	3	2	4	0	25	0	6	3	3	0	0	....	....	0	0	0	0	0
November	.....	NE.	....	.....	....	6	6	1	5	4	1	3	4	0	14	6	10	4	4	0	0	....	....	0	0	1	0	0
December	.....	NW.	....	.....	....	2	2	2	3	4	5	4	9	0	16	5	10	6	6	0	0	....	....	0	0	7	0	0
Year	.....	NE.	....	.....	....	55	72	18	36	53	69	25	38	0	178	69	119	79	77	0	0	....	....	2	25	47	12	0

MARQUETTE, MICH.

[H_b=734 ft.; h_t=77 ft.; h_r=70 ft.; h_a=111 ft.]

January	9.3	NW.	41	S.	1	1	0	1	9	7	8	13	23	0	2	10	19	21	11	25	21	0	0	30	0	31	0	0
February	7.8	NW.	24	SW.	0	1	1	2	6	5	5	17	21	0	2	12	15	12	7	22	12	0	0	26	0	29	0	0
March	12.3	NW.	42	SW.	3	0	1	2	14	6	12	9	18	0	10	7	14	16	7	13	11	0	0	12	0	26	1	3
April	10.5	NW.	40	S.	1	2	2	3	5	0	5	16	27	0	4	6	20	12	9	16	9	0	2	6	0	22	1	3
May	8.4	NW.	44	S.	1	9	2	6	12	5	7	3	18	0	11	12	8	6	3	1	0	2	1	0	0	4	1	0
June	7.4	NW.	35	SW.	0	3	0	15	10	5	3	4	20	0	6	12	12	11	8	0	0	1	1	0	0	0	5	0
July	8.8	NW.	35	NW.	0	2	1	7	8	6	10	8	20	0	9	11	11	10	9	0	0	0	0	0	0	0	4	0
August	7.3	NW.	32	S.	0	1	3	7	9	5	8	8	21	0	14	8	9	11	8	0	0	0	2	0	0	0	4	1
September	9.0	W.	31	W.	0	1	2	2	15	7	10	12	11	0	6	12	12	9	7	0	0	1	0	0	0	0	2	0
October	9.7	S.	36	SW.	0	1	0	1	7	20	16	7	10	0	11	7	13	9	7	3	3	0	1	0	0	3	2	0
November	9.4	W.	31	SW.	0	2	4	6	4	4	17	15	8	0	4	4	22	13	11	14	11	0	0	5	0	17	0	0
December	10.9	W.	38	SW.	0	1	1	4	10	7	10	13	16	0	0	5	26	15	12	18	14	0	1	17	0	24	0	2
Year	9.2	NW.	44	S.	6	24	17	56	109	77	111	125	213	0	79	106	181	145	99	112	81	4	8	96	0	156	20	9

MEMPHIS, TENN.

[H_b=399 ft.; h_t=76 ft.; h_r=69 ft.; h_a=97 ft.]

January	8.4	N.	27	NW.	0	24	11	5	4	7	8	0	3	0	10	6	15	10	8	2	0	0	5	0	0	15	2	0
February	9.0	N.	28	NW.	0	20	1	7	5	10	5	1	9	0	6	12	11	10	8	5	2	0	0	2	0	11	1	0
March	12.5	SE.	42	SW.	2	6	1	5	16	17	6	4	7	0	15	5	11	9	8	3	0	0	0	3	0	6	5	1
April	11.5	SW.	44	SW.	2	4	8	9	10	10	10	4	5	0	12	10	8	10	10	1	0	2	0	0	0	1	10	0
May	6.9	NE.	52	NW.	3	16	8	5	12	12	7	1	1	0	9	8	14	13	11	0	0	0	0	0	0	0	10	0
June	6.8	SW.	28	NW.	0	10	10	4	10	6	14	4	1	1	16	6	8	8	6	0	0	0	0	0	0	8	4	0
July	6.7	SW.	40	NW.	1	3	7	5	5	18	17	2	5	0	11	12	8	10	7	0	0	0	0	0	0	5	9	0
August	6.3	SW.	34	NW.	0	12	9	6	13	8	11	0	3	0	9	14	8	9	7	0	0	0	1	0	0	4	9	0
September	7.0	N.	32	NW.	0	15	5	14	6	8	7	1	4	0	12	12	6	9	9	0	0	0	0	0	0	1	6	0
October	7.0	SE.	30	SW.	0	5	5	11	14	14	7	2	3	1	19	4	8	5	4	0	0	0	0	0	0	0	1	0
November	8.3	N.	30	NW.	0	13	8	6	8	13	5	5	2	0	18	2	10	6	4	0	0	0	1	0	0	6	0	0
December	10.5	S.	40	SW.	1	6	5	8	8	12	12	7	4	0	12	5	14	11	8	0	0	0	1	0	0	7	2	0
Year	8.4	SW.	52	NW.	9	134	78	85	111	135	109	31	47	2	149	96	121	110	90	11	2	2	8	5	18	46	59	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

MERIDIAN, MISS.

[ϕ=32° 21′ N.; λ=88° 40′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.801	30.109	29.360	44.8	51.2	50.5	56.4	41.0	48.7	77	20	41	41	41	87	69	72	0.288	0.286	0.285	6.50	1.47	7.6	7.3	6.5	6.9
February	29.697	30.140	29.240	42.1	51.3	50.8	56.7	39.9	48.3	72	24	37	37	38	83	60	63	.238	.240	.249	4.31	1.20	5.3	6.2	4.3	5.6
March	29.672	30.160	29.200	47.8	57.9	57.8	64.4	44.2	54.3	82	23	42	42	42	81	58	57	.303	.303	.299	7.19	2.02	6.1	6.0	5.4	5.5
April	29.470	29.770	29.090	58.8	67.3	67.1	73.1	52.6	62.8	88	34	51	50	51	77	57	58	.420	.392	.409	9.43	2.74	6.6	5.8	5.1	5.5
May	29.588	29.770	29.390	67.2	76.6	73.9	80.7	63.5	72.1	90	53	62	62	64	86	62	73	.571	.555	.605	3.41	1.35	7.7	7.3	6.8	6.7
June	29.617	29.870	29.380	72.1	83.3	81.0	87.4	66.8	77.1	96	58	66	63	66	82	52	62	.642	.575	.634	3.79	1.46	4.0	4.5	4.4	3.8
July	29.655	29.831	29.440	74.1	84.4	80.0	88.5	70.6	79.6	94	65	70	68	70	87	60	73	.738	.697	.725	7.02	3.13	6.3	6.2	7.2	6.3
August	29.632	29.750	29.470	71.9	82.4	78.6	86.7	69.5	78.1	92	62	69	69	70	90	64	77	.711	.705	.743	6.92	1.69	7.1	7.2	5.1	6.2
September	29.599	29.730	29.440	70.7	83.3	78.7	86.7	67.8	77.2	94	44	67	66	68	88	58	70	.672	.665	.702	2.44	1.67	3.5	5.4	3.5	3.9
October	29.725	30.020	29.350	54.8	74.1	67.2	77.5	52.1	64.8	86	36	50	49	54	83	44	64	.375	.380	.435	.79	.75	3.4	3.6	2.2	3.1
November	29.772	30.090	29.300	41.9	58.1	52.1	61.5	39.7	50.6	80	26	38	38	40	86	50	65	.245	.249	.269	2.22	1.42	4.5	3.8	2.8	4.1
December	29.683	29.990	29.120	41.0	50.7	48.5	55.1	37.6	46.4	71	24	36	38	38	83	64	70	.229	.246	.249	9.42	3.43	5.5	5.6	4.5	5.6
Year	29.659	30.160	29.090	57.3	68.4	65.5	72.9	53.8	63.3	96	20	52	52	54	84	58	67	.453	.441	.467	63.44	3.43	5.6	5.7	4.8	5.3

MIAMI, FLA.

[ϕ=25° 48′ N.; λ=80° 12′ W.]

January	30.134	30.330	29.930	65.1	73.1	69.7	74.6	62.7	68.6	81	35	58	60	60	80	64	73	0.516	0.536	0.542	0.41	0.34	3.7	4.7	3.7	4.8
February	30.000	30.370	29.580	58.5	70.1	66.3	72.7	55.6	64.2	82	41	52	54	55	81	59	68	.420	.450	.457	1.60	.96	4.6	5.4	3.9	5.2
March	30.072	30.380	29.680	64.4	72.2	69.5	74.7	60.6	67.6	83	34	57	58	59	78	63	71	.511	.520	.537	.06	.03	3.8	3.5	3.4	4.2
April	29.938	30.180	29.680	75.0	79.8	75.0	81.2	68.8	75.0	87	48	68	68	68	78	69	80	.693	.705	.700	3.15	1.30	5.2	5.9	5.4	5.8
May	29.916	30.090	29.650	75.6	80.6	76.9	82.5	69.8	76.2	87	64	68	66	68	77	63	73	.678	.649	.675	10.33	3.24	3.7	5.4	6.2	5.2
June	29.996	30.160	29.820	80.3	81.5	79.2	84.2	74.1	79.2	86	65	71	70	71	73	70	77	.759	.744	.772	3.90	1.66	5.1	6.2	7.4	6.3
July	30.067	30.210	29.890	81.9	84.0	80.8	86.2	76.1	81.2	88	70	73	72	73	74	69	77	.810	.790	.805	6.61	2.38	4.6	6.2	5.9	5.9
August	30.034	30.150	29.950	80.7	84.3	81.6	85.9	74.1	80.0	88	69	72	72	72	76	67	74	.790	.785	.796	4.12	1.15	4.6	4.5	3.6	4.6
September	29.946	30.110	29.620	80.4	84.3	79.7	86.2	74.5	80.4	89	70	73	73	72	79	69	78	.819	.803	.797	6.94	1.97	6.1	6.1	6.0	6.4
October	29.990	30.210	29.860	74.4	78.7	76.0	80.1	70.3	75.2	83	59	66	66	67	76	67	75	.647	.659	.670	5.04	1.43	5.9	6.2	4.6	6.3
November	30.032	30.250	29.780	70.9	76.3	72.9	77.9	66.4	72.2	82	54	64	65	64	79	69	74	.610	.630	.614	3.73	2.00	6.7	7.3	6.1	7.2
December	30.046	30.210	29.890	64.6	72.9	69.4	74.5	61.6	68.0	81	43	60	61	62	85	67	77	.542	.567	.574	1.72	.59	5.5	5.8	4.3	6.0
Year	30.014	30.380	29.580	72.6	78.2	74.8	80.1	67.9	74.0	89	34	65	65	66	78	66	75	.650	.653	.662	47.61	3.24	5.0	5.6	5.0	5.7

MILES CITY, MONT.

[ϕ=46° 25′ N.; λ=105° 49′ W.]

January	27.588	28.136	27.070	9.6	....	19.2	26.1	6.5	16.3	46	−31	7	....	14	89	....	78	0.067	.....	0.093	1.42	0.79	4.7	....	6.3	5.5
February	27.594	28.000	27.095	15.7	....	26.0	32.4	13.5	23.0	48	−12	13	....	21	89	....	80	.084	.....	.118	.85	.70	4.8	....	5.0	4.6
March	27.309	28.120	26.580	21.2	....	34.7	39.3	20.2	29.8	65	−20	18	....	27	87	....	74	.110	.....	.160	1.31	.34	6.6	....	6.1	5.7
April	27.387	27.910	26.890	30.6	....	42.5	45.9	29.7	37.8	69	11	28	....	33	87	....	72	.156	.....	.193	.64	.17	7.1	....	6.2	5.8
May	.....	.....	.....	....	....	....	66.8	46.5	56.6	86	34	....	....	....	76	....	52	.....	.....	.....	.95	.49	....	....	....	....
June	.....	.....	.....	....	....	....	77.3	54.8	66.0	95	38	....	....	....	84	....	54	.....	.....	.....	2.76	1.56	....	....	....	....
July	.....	.....	.....	....	....	....	90.1	62.6	76.4	100	50	....	....	....	79	....	45	.....	.....	.....	2.66	1.31	....	....	....	....
August	27.457	27.750	27.000	62.5	....	83.9	89.9	60.6	75.2	104	47	52	....	52	69	....	39	.389	.....	.403	.59	.40	3.8	....	4.5	3.3
September	27.405	27.960	26.920	52.0	....	70.6	77.2	51.2	64.2	96	27	46	....	48	81	....	48	.320	.....	.342	.36	.16	3.8	....	3.5	3.6
October	27.429	27.820	26.920	39.6	....	55.7	64.1	38.7	51.4	91	25	34	....	40	80	....	58	.196	.....	.247	.34	.27	5.5	....	4.9	4.1
November	.....	.....	.....	....	....	....	43.3	22.8	33.0	60	−5	....	....	....	83	....	72	.....	.....	.....	.42	.18	....	....	....	....
December	.....	.....	.....	....	....	....	33.2	15.6	24.4	52	−21	....	....	....	82	....	74	.....	.....	.....	.67	.25	....	....	....	....
Year	.....	.....	.....	....	....	....	57.1	35.2	46.2	104	−31	....	....	....	82	....	62	.....	.....	.....	12.97	1.56	....	....	....	....

MILWAUKEE, WIS.

[ϕ=43° 02′ N.; λ=87° 54′ W.]

January	29.480	29.970	28.850	12.5	17.9	17.0	23.0	7.9	15.4	37	−11	9	13	13	84	79	82	0.067	0.079	0.079	1.57	0.51	6.9	6.4	5.2	6.1
February	29.315	29.940	28.680	18.8	23.8	23.5	28.0	15.3	21.6	41	−10	15	17	18	84	74	78	.092	.102	.101	.45	.12	6.5	6.3	5.5	6.4
March	29.119	29.650	28.310	31.0	37.5	37.4	44.3	26.8	35.6	72	− 2	26	28	29	82	70	72	.156	.169	.170	4.53	1.43	4.7	5.4	5.7	5.5
April	29.078	29.527	28.400	35.8	40.5	40.6	46.1	32.8	39.4	65	26	30	31	31	77	71	68	.168	.178	.178	1.92	.52	5.8	7.0	6.8	6.8
May	29.354	29.728	28.950	50.8	55.5	54.2	61.1	45.1	53.1	78	35	40	40	39	67	57	59	.256	.254	.252	2.61	.89	4.7	5.2	4.5	4.6
June	29.253	29.580	28.790	63.4	67.5	67.7	74.6	56.2	65.4	94	47	52	53	51	69	61	58	.417	.417	.406	5.25	3.40	4.4	5.6	5.4	5.2
July	29.257	29.520	28.880	65.0	69.8	69.5	75.8	59.6	67.7	97	53	56	55	55	72	61	62	.448	.439	.435	.80	.27	4.4	5.3	4.7	5.0
August	29.313	29.580	28.950	64.2	70.8	67.9	75.3	60.1	67.7	88	48	56	58	58	77	66	70	.468	.497	.483	2.03	.65	4.2	4.6	3.9	4.2
September	29.261	29.000	28.930	62.0	71.3	66.8	74.2	59.2	66.7	90	39	55	56	54	78	59	66	.451	.466	.447	2.78	1.27	3.5	3.8	3.9	3.9
October	29.323	29.740	28.860	53.0	62.6	59.7	66.1	50.8	58.4	81	28	46	47	47	77	60	66	.325	.348	.348	1.99	.80	4.7	5.1	4.3	4.9
November	29.350	29.810	28.760	35.1	40.0	38.6	43.1	32.0	37.6	57	15	29	30	30	77	68	72	.169	.178	.179	.81	.72	6.6	6.6	7.3	7.3
December	29.142	29.620	28.140	28.6	31.7	30.9	35.4	24.3	29.8	57	− 5	23	24	24	78	71	75	.138	.142	.144	3.12	.95	7.5	7.5	7.2	7.9
Year	29.270	29.970	28.140	43.4	49.1	47.8	53.9	39.2	46.5	97	−11	36	38	37	77	66	69	.263	.272	.269	27.88	3.40	5.3	5.7	5.4	5.6

Annual meteorological summary for the year ending December 31, 1920—Continued.

MERIDIAN, MISS.

[H_b=375 ft.; h_t=85 ft.; h_r=62 ft.; h_a=93 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles	*	*Mi.*																									
January	6.9	NE.	21	W.	0	14	17	5	1	10	6	1	5	3	7	6	18	12	11	0	0	0	0	0	0	7	0	0
February	6.3	NW.	24	NW.	0	10	10	0	4	6	7	6	12	3	10	6	13	10	8	1	0	0	1	0	0	8	0	0
March	7.7	S.	31	SE.	0	7	7	9	9	12	4	0	10	4	12	4	15	13	9	0	0	0	1	0	0	7	6	0
April	7.4	S.	28	SE.	0	4	7	4	13	13	5	6	5	3	10	11	9	11	9	0	0	1	0	0	0	0	10	0
May	4.8	NE.	24	NW.	0	7	11	8	11	3	4	4	10	4	2	19	10	16	11	0	0	0	0	0	1	0	12	0
June	4.1	SW.	21	NW.	0	7	9	8	5	5	11	4	5	6	19	6	5	7	7	0	0	0	0	0	11	0	7	0
July	4.5	SW.	26	W.	0	3	5	4	7	5	25	6	4	3	5	18	8	12	10	0	0	0	1	0	11	0	14	0
August	4.0	SW.	22	SE.	0	5	9	10	5	8	14	4	4	3	5	14	12	15	12	0	0	0	1	0	4	0	10	0
September	5.1	E.	24	NW.	0	5	11	18	1	2	9	1	4	9	18	8	4	8	6	0	0	0	0	0	9	0	5	0
October	4.0	E.	18	SW.	0	2	10	18	10	1	0	3	4	14	17	9	5	4	1	0	0	0	0	0	0	0	0	0
November	5.0	NW.	21	SW.	0	7	8	4	4	1	7	5	12	12	16	6	8	9	7	0	0	0	1	0	0	6	0	0
December	6.3	SE.	27	SW.	0	4	8	7	11	3	10	10	4	5	13	3	15	11	11	0	0	0	0	0	0	8	4	0
Year	5.5	NE.	31	SE.	0	75	112	95	81	69	102	50	79	69	134	110	122	128	102	1	0	1	5	0	36	36	68	0

MIAMI, FLA.

[H_b=25 ft.; h_t=71 ft.; h_r=64 ft.; h_a=79 ft.]

Month.	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.
January	9.0	E.	24	SE.	0	7	3	19	14	3	4	2	10	0	11	12	8	4	2	0	0	0	1	0	0	0	2	0
February	9.3	NW.	34	W.	0	8	1	6	4	5	9	7	18	0	7	16	6	7	5	0	0	0	1	0	0	0	3	0
March	9.5	E.	32	NW.	0	6	3	15	15	6	2	5	10	0	16	9	6	3	0	0	0	0	1	0	0	0	1	0
April	9.0	SE.	30	NW.	0	4	0	12	21	11	7	2	3	0	7	13	10	7	7	0	0	0	0	0	0	0	5	0
May	9.1	E.	36	NE.	0	5	8	23	6	1	3	9	7	0	9	15	7	14	13	0	0	1	0	0	0	0	5	0
June	7.3	E.	26	E.	0	1	9	15	18	5	6	3	3	0	6	11	13	12	12	0	0	0	0	0	0	0	12	0
July	7.9	E.	30	W.	0	2	1	22	13	5	10	8	1	0	6	17	8	16	14	0	0	1	0	0	0	0	15	0
August	7.4	E.	36	E.	0	4	3	24	20	3	3	2	2	1	13	10	8	18	15	0	0	0	0	0	0	0	10	0
September	7.0	E.	38	S.	0	4	1	19	13	4	5	5	7	2	8	7	15	17	14	0	0	1	0	0	0	0	13	0
October	10.0	E.	31	E.	0	12	16	26	2	0	1	1	4	0	5	15	11	15	13	0	0	0	0	0	0	0	1	0
November	9.1	E.	27	E.	0	9	13	17	4	1	1	6	9	0	6	4	20	12	6	0	0	0	0	0	0	0	5	0
December	8.0	NW.	28	W.	0	13	3	12	9	5	3	4	13	0	8	12	11	7	4	0	0	0	0	0	0	0	2	0
Year	8.6	E.	38	S.	0	75	61	210	139	49	54	54	87	3	102	141	123	132	105	0	0	3	3	0	0	0	74	0

MILES CITY, MONT.

[H_b=2,371 ft.; h_t=48 ft.; h_r=39 ft.; h_a=55 ft.]

Month.	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.
January	5.1	* S.	30	S.	0	9	13	4	9	14	4	5	4	0	10	11	10	11	8	13	11	0	0	18	0	31	0	0
February	6.6	NW.	32	NW.	0	5	5	8	6	12	3	4	15	0	9	15	5	5	3	11	5	0	0	14	0	28	0	0
March	6.8	SW.	44	NW.	1	5	10	4	10	7	10	6	10	0	5	19	7	13	9	9	9	0	0	7	0	26	0	0
April	6.6	NE.	30	NW.	0	14	16	3	10	1	3	1	12	0	4	18	8	12	6	4	4	0	0	3	0	14	0	0
May	7.4	SE.	31	W.	...	...	...	...	...	...	...	...	...	...	7	17	7	8	...	0	0	...	...	...	...	...	...	...
June	5.6	SE.	34	NE.	...	...	...	...	...	...	...	...	...	...	7	18	5	12	...	0	0	...	...	...	...	...	...	...
July	5.5	SE.	30	N.	...	...	...	...	...	...	...	...	...	...	15	14	2	6	...	0	0	...	...	...	...	...	...	...
August	5.5	N.	36	E.	0	16	11	7	12	3	2	7	4	0	19	9	3	4	4	0	0	0	0	0	21	0	1	0
September	5.4	SE.	36	NW.	0	2	12	12	14	1	3	7	9	0	14	14	2	5	4	0	0	0	0	0	4	1	0	0
October	6.1	SE.	45	W.	1	4	9	8	10	6	7	9	9	0	14	14	3	4	2	2	2	0	0	1	1	7	0	0
November	5.5	SE.	36	NW.	...	...	...	...	...	...	...	...	...	...	16	10	4	5	...	...	...	...	...	...	...	...	...	...
December	5.9	SE.	33	NW.	...	...	...	...	...	...	...	...	...	...	16	9	6	6	...	...	...	...	...	...	...	...	...	...
Year	6.0	SE.	45	W.	...	...	...	...	...	...	...	...	...	...	136	168	62	91	...	...	...	...	...	...	...	...	...	...

MILWAUKEE, WIS.

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

Month.	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.
January	12.6	W.	42	SE.	1	14	5	1	4	2	15	11	10	0	7	11	13	9	7	17	9	0	0	24	0	31	0	0
February	9.5	W.	30	SW.	0	8	7	4	2	1	10	16	10	0	6	9	14	10	5	15	9	0	0	20	0	29	0	0
March	13.0	SW.	44	SW.	4	7	3	4	9	6	16	9	8	0	10	9	12	11	11	9	5	1	3	6	0	19	3	2
April	11.7	NE.	44	SW.	1	7	23	3	3	1	6	13	4	0	5	9	16	15	13	5	3	0	2	2	0	11	2	0
May	9.0	NE.	37	SW.	0	6	26	5	9	3	4	9	0	0	13	11	7	9	9	0	0	0	2	0	0	0	5	0
June	8.5	NE.	40	NE.	1	5	15	5	9	3	13	5	5	0	7	16	7	8	7	0	0	0	2	0	4	0	8	0
July	8.6	NE.	32	W.	0	2	17	3	7	4	7	15	7	0	12	9	10	10	6	0	0	0	1	0	1	0	5	0
August	7.7	NE.	29	NE.	0	9	20	6	7	3	7	6	4	0	14	11	6	7	7	0	0	0	0	0	0	0	7	0
September	10.2	SE.	29	SW.	0	5	11	4	9	5	11	8	7	0	13	14	3	7	6	0	0	1	1	0	0	0	5	1
October	8.6	SW.	28	N.	0	8	4	3	3	5	27	7	5	0	15	3	13	8	5	1	0	0	2	0	0	2	1	0
November	10.0	W.	31	SE.	0	8	3	2	8	1	14	11	13	0	7	4	19	11	4	8	4	0	4	4	0	12	1	0
December	11.0	W.	45	E.	1	4	4	1	9	5	6	19	14	0	3	8	20	12	10	13	7	0	4	12	0	21	0	0
Year	10.0	W.	45	E.	8	83	138	41	79	39	136	129	87	0	112	114	140	117	90	68	37	2	21	68	5	125	37	3

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

MINNEAPOLIS, MINN.

[ϕ=44° 59′ 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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.222	29.730	28.610	....	10.5	10.1	15.3	0.0	7.7	39	−17	....	3	4	....	69	76	.....	0.054	0.055	1.84	0.61	....	6.2	5.2	6.2
February	29.086	29.740	28.410	....	18.9	19.2	23.0	8.9	16.0	35	−19	....	11	12	....	69	72	.....	.076	.081	.46	.14	....	7.0	5.7	6.8
March	28.801	29.410	27.841	....	35.8	34.7	40.8	21.7	31.2	73	− 9	....	24	24	....	61	66	.....	.148	.149	2.71	.77	....	4.9	5.5	5.3
April	28.868	29.240	28.358	....	41.5	43.4	46.9	30.3	38.6	69	9	....	25	26	....	52	51	.....	.145	.148	2.23	.70	....	7.1	6.5	6.8
May	29.040	29.450	28.520	....	65.8	64.8	69.5	49.1	59.3	84	36	....	39	40	....	40	44	.....	.261	.265	2.67	.93	....	5.4	5.6	5.2
June	28.952	29.280	28.520	....	72.8	72.9	77.4	59.4	68.4	94	45	....	55	56	....	57	59	.....	.467	.483	8.43	2.91	....	6.7	6.9	6.6
July	28.989	29.240	28.630	....	76.1	75.7	80.0	61.2	70.6	92	55	....	56	58	....	51	55	.....	.457	.492	1.30	.37	....	5.3	5.4	5.0
August	29.027	29.330	28.600	....	76.1	75.6	80.2	59.8	70.0	93	50	....	54	54	....	47	49	.....	.423	.432	1.14	.78	....	4.0	3.7	3.5
September	28.955	29.310	28.510	....	70.8	68.6	75.1	55.9	65.5	91	40	....	51	51	....	52	55	.....	.391	.398	1.95	.42	....	4.8	5.2	4.9
October	28.984	29.490	28.620	....	62.5	59.2	65.5	47.4	56.4	79	26	....	43	43	....	51	58	.....	.303	.307	2.79	1.27	....	5.2	4.3	5.0
November	29.095	29.620	28.640	....	35.0	34.7	38.5	27.7	33.1	53	9	....	25	26	....	67	72	.....	.142	.150	1.24	.52	....	7.4	7.0	7.2
December	28.884	29.420	28.170	....	26.0	24.9	28.9	18.2	23.6	46	−11	....	19	19	....	74	77	.....	.112	.112	.62	.42	....	7.7	5.9	7.2
Year	28.992	29.740	27.841	....	49.3	48.6	53.4	36.6	45.0	94	−19	....	34	34	....	58	61	.....	.248	.256	27.38	2.91	....	6.0	5.6	5.8

MOBILE, ALA.

[ϕ=30° 41′ N.; λ=88° 02′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.119	30.413	29.750	49.7	57.2	54.7	61.0	46.2	53.6	75	26	46	48	48	88	72	79	0.339	0.360	0.355	11.70	4.74	6.6	6.6	5.8	6.8
February	30.027	30.470	29.480	48.5	57.0	54.2	61.2	45.3	53.2	77	30	42	45	43	80	65	67	.298	.320	.300	4.93	2.37	5.4	4.9	4.7	5.6
March	30.022	30.530	29.650	52.6	62.3	59.1	66.0	49.6	57.8	81	25	46	49	49	78	63	72	.349	.387	.391	2.21	1.01	4.7	6.1	6.6	5.8
April	29.817	30.110	29.500	63.1	70.7	67.7	74.1	58.6	66.4	85	38	57	57	57	83	63	72	.511	.493	.507	5.89	2.48	6.6	5.7	5.6	5.7
May	29.913	30.070	29.720	70.7	78.8	75.1	83.0	67.2	75.1	95	60	66	64	67	86	63	77	.647	.600	.668	3.70	.88	5.5	5.8	5.9	5.9
June	29.947	30.180	29.760	75.2	85.2	81.2	88.2	71.5	79.8	98	65	69	66	68	81	56	66	.706	.656	.698	6.64	2.88	3.6	4.6	3.8	4.7
July	29.998	30.170	29.840	77.7	84.3	81.0	87.9	74.0	81.0	94	70	72	74	73	84	71	77	.797	.835	.806	7.04	1.21	6.2	6.9	7.6	6.6
August	29.964	30.090	29.780	76.3	83.7	79.8	86.9	73.5	80.2	93	69	73	74	74	88	73	82	.801	.832	.827	7.78	1.87	5.4	7.8	8.0	6.9
September	29.914	30.080	29.694	74.8	84.6	79.0	87.5	72.3	79.9	95	48	71	73	71	88	69	77	.768	.815	.772	7.81	5.40	4.3	5.1	6.1	5.9
October	30.050	30.350	29.710	62.0	75.7	71.1	78.3	59.4	68.8	87	45	57	60	60	83	60	69	.480	.540	.535	4.65	4.21	3.4	3.3	2.4	3.6
November	30.092	30.380	29.660	48.8	62.6	58.4	66.4	45.9	56.2	80	31	44	47	46	85	58	66	.315	.349	.337	1.68	1.14	4.4	3.7	2.8	3.9
December	30.031	30.330	29.610	46.4	55.6	52.6	59.6	42.5	51.0	69	30	42	42	43	83	65	72	.282	.294	.293	6.18	2.72	6.0	5.5	4.6	5.5
Year	29.991	30.530	29.480	62.2	71.5	67.8	75.0	58.8	66.9	98	25	57	58	58	84	65	73	.524	.540	.541	70.21	5.40	5.2	5.5	5.3	5.6

MODENA, UTAH.

[ϕ=37° 48′ N.; λ=113° 54′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	24.701	24.970	24.320	19.9	36.0	33.4	40.0	17.4	28.7	57	− 8	15	23	24	80	58	66	0.093	0.127	0.133	0.44	0.28	2.9	3.9	4.1	4.1
February	24.627	24.920	24.190	24.6	37.1	37.6	41.9	21.7	31.8	53	− 1	21	26	26	83	64	63	.116	.139	.142	1.67	.48	4.5	5.8	5.1	5.6
March	24.483	24.950	24.060	27.1	42.7	42.5	47.9	22.7	35.3	63	11	20	21	20	74	42	42	.110	.111	.107	1.84	.56	3.5	4.8	5.1	4.9
April	24.457	24.750	24.101	31.4	52.4	52.5	57.0	29.2	43.1	74	14	19	18	17	61	26	27	.102	.096	.097	.44	.15	2.2	3.7	4.2	3.8
May	24.520	24.740	24.285	40.9	64.3	65.4	69.7	39.1	54.4	85	27	27	26	24	58	27	27	.149	.145	.139	1.67	1.10	2.1	3.7	4.1	3.5
June	24.579	24.790	24.368	47.1	73.9	75.4	78.5	45.6	62.0	89	38	25	27	22	43	19	16	.139	.151	.128	.59	.58	1.7	2.4	2.8	2.2
July	24.696	24.850	24.410	54.0	82.8	82.0	87.2	52.5	69.8	93	42	36	36	33	54	22	23	.233	.233	.220	1.82	1.23	1.9	2.9	3.6	2.8
August	24.662	24.800	24.490	54.3	80.7	80.7	85.0	53.1	69.0	94	42	40	41	39	61	26	26	.264	.266	.250	.81	.53	2.0	2.2	3.1	3.1
September	24.623	24.870	24.210	44.0	71.7	71.7	76.3	41.7	59.0	88	22	28	28	27	53	20	20	.161	.157	.154	.22	.21	2.2	3.1	3.1	3.2
October	24.575	24.850	24.150	32.1	55.2	53.5	59.6	29.0	44.3	81	15	21	25	24	66	35	37	.113	.134	.130	2.40	2.02	2.2	3.7	4.3	3.0
November	24.681	24.930	24.280	26.3	44.9	40.0	49.0	23.2	36.1	61	10	21	24	24	80	44	52	.113	.128	.131	.10	.09	2.4	3.2	4.2	3.9
December	24.585	25.020	24.090	20.2	36.9	30.4	39.9	15.3	27.6	57	1	14	18	18	74	46	60	.079	.096	.098	.25	.14	3.1	4.7	3.6	4.3
Year	24.599	25.020	24.060	35.2	56.6	55.4	61.0	32.5	46.8	94	− 8	24	26	25	66	36	38	.139	.149	.144	12.25	2.02	2.6	3.7	3.9	3.7

MONTGOMERY ALA.

[ϕ=32° 23′ N.; λ=86° 18′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.967	30.310	29.500	45.5	53.2	52.2	58.4	42.2	50.3	80	20	40	41	41	82	65	68	0.281	0.289	0.289	8.66	2.89	6.9	6.8	4.0	6.6
February	29.842	30.280	29.330	42.8	51.3	50.4	56.1	40.1	48.1	72	24	36	37	36	78	60	60	.237	.239	.237	5.31	2.27	6.3	5.3	4.1	5.4
March	29.851	30.340	29.350	48.6	58.5	58.3	63.7	44.6	54.2	81	22	41	41	41	73	55	56	.290	.292	.300	7.88	2.24	4.6	4.7	5.1	4.9
April	29.645	29.950	29.290	59.6	67.5	67.4	73.1	55.0	64.0	85	37	53	52	52	80	62	61	.438	.432	.427	9.31	3.89	7.0	6.0	4.3	6.0
May	29.756	30.000	29.540	67.3	76.0	74.7	79.7	63.6	71.6	91	56	61	60	61	82	60	65	.548	.521	.546	4.14	.81	7.3	6.9	4.3	6.2
June	29.774	30.080	29.549	74.4	84.7	82.6	88.5	69.8	79.2	98	62	66	62	62	75	49	54	.634	.562	.572	4.11	3.63	2.7	3.2	3.9	3.1
July	29.816	30.030	29.610	75.6	85.5	82.2	89.4	72.2	80.8	95	67	70	67	68	83	55	65	.734	.668	.701	3.35	1.24	5.7	5.0	5.8	5.1
August	29.795	29.940	29.580	74.0	83.2	78.5	86.7	71.0	78.8	93	65	70	69	71	88	64	78	.740	.719	.751	6.91	1.50	5.8	6.1	6.8	6.1
September	29.756	29.883	29.539	72.4	83.6	79.8	87.0	69.8	78.4	94	46	67	66	67	84	57	66	.682	.663	.671	4.20	1.94	4.5	4.4	4.9	4.3
October	29.894	30.220	29.578	57.7	74.7	71.2	78.1	55.1	66.6	88	37	51	49	48	78	42	46	.387	.370	.357	1.17	.98	3.2	3.3	3.2	3.1
November	29.921	30.200	29.420	46.0	59.6	57.1	63.3	43.4	53.4	79	29	40	41	41	80	53	57	.265	.277	.268	4.09	2.38	5.0	3.3	3.0	3.9
December	29.866	30.170	29.340	41.8	51.1	50.5	55.9	39.6	47.8	71	27	35	38	38	78	63	66	.220	.243	.247	7.72	3.42	5.6	5.4	4.7	5.3
Year	29.823	30.340	29.290	58.8	69.1	67.1	73.3	55.5	64.4	98	20	52	52	52	80	57	62	.455	.440	.447	66.85	3.89	5.4	5.0	4.3	5.0

Annual meteorological summary for the year ending December 31, 1920—Continued.

MINNEAPOLIS, MINN.

[H_b=918 ft.; h_t=102 ft.; h_r=92 ft.; h_a=208 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.	Aurorss.
	Miles		*Mi.*																									
January	11.5	NW.	39	SE.	0	0	4	2	7	3	1	7	7	0	8	10	13	12	11	18	12	0	1	28	0	31	0	0
February	10.5	NW.	32	NW.	0	5	2	0	4	2	1	9	6	0	6	6	17	9	5	18	9	0	0	22	0	29	0	0
March	14.9	NW.	56	SW.	6	3	3	0	5	6	3	7	4	0	12	8	11	8	8	9	6	0	2	10	0	24	3	3
April	13.5	N.	41	W.	1	5	5	2	1	2	2	5	8	0	6	10	14	11	10	8	5	0	0	5	0	15	1	0
May	10.2	SE.	36	E.	0	1	7	3	6	5	5	2	2	0	13	6	12	7	5	0	0	0	0	0	0	0	4	0
June	9.4	SE.	55	NW.	2	3	5	1	4	7	1	5	4	0	5	10	15	13	13	0	0	1	0	0	3	0	12	1
July	9.7	W.	38	N.	0	7	3	2	1	5	6	4	3	0	9	14	8	8	6	0	0	0	0	0	2	0	8	0
August	9.1	S.	39	SW.	0	4	5	0	5	9	3	4	1	0	19	7	5	6	5	0	0	0	0	0	1	0	4	1
September	11.6	SE.	46	SE.	1	0	5	2	5	4	6	4	4	0	14	7	9	9	8	0	0	1	0	0	2	0	4	0
October	11.0	S.	37	S.	0	4	0	1	10	7	3	3	3	0	13	6	12	11	7	2	0	0	1	0	0	3	4	0
November	11.3	NW.	37	W.	0	3	4	1	5	5	3	5	4	0	6	5	19	8	6	11	7	0	1	4	0	19	0	0
December	11.9	NW.	43	NW.	1	0	2	2	7	4	0	6	10	0	5	10	16	6	3	11	5	0	0	15	0	28	0	0
Year	11.2	W.	56	SW.	11	35	45	16	60	59	34	61	56	0	116	99	151	108	87	77	44	2	5	84	8	149	40	5

MOBILE, ALA.

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

Month.	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.	Aurorss.
January	12.0	* N.	38	SE.	0	19	14	2	8	9	1	2	7	0	6	8	17	18	17	0	0	0	2	0	0	2	0	0
February	11.5	N.	46	N.	1	13	7	4	3	6	7	7	11	0	6	16	7	9	8	0	0	0	0	0	0	2	1	0
March	13.0	SE.	45	NW.	2	10	6	4	18	11	5	2	6	0	8	8	15	7	5	1	0	0	3	0	0	4	5	0
April	12.6	S.	39	NW.	0	10	6	2	11	11	10	0	10	0	6	12	12	10	6	0	0	0	0	0	0	0	5	0
May	8.7	SW.	36	NE.	0	14	5	11	6	6	14	3	3	0	6	17	8	11	9	0	0	1	2	0	4	0	9	0
June	7.9	SW.	43	W.	1	10	4	7	7	7	13	4	8	0	9	18	3	10	9	0	0	0	0	0	8	0	8	0
July	7.4	SW.	46	NE.	2	4	8	7	2	11	15	11	4	0	3	19	9	18	15	0	0	0	0	0	10	0	14	0
August	7.2	SW.	46	SE.	1	8	9	4	5	9	14	5	8	0	2	14	15	18	14	0	0	0	0	0	5	0	13	0
September	9.2	N.	52	SE.	4	12	7	7	5	3	11	9	6	0	6	14	10	10	9	0	0	0	0	0	12	0	7	0
October	8.1	N.	28	SW.	0	14	7	13	7	11	2	0	8	0	17	7	7	4	3	0	0	0	0	0	0	0	2	0
November	10.1	N.	46	SE.	1	22	8	3	4	5	5	3	9	1	17	6	7	9	5	0	0	0	3	0	0	2	0	0
December	10.5	NW.	36	NW.	0	8	8	7	8	6	6	5	12	2	8	9	14	11	11	0	0	0	0	0	0	3	2	0
Year	9.8	N.	52	SE.	12	144	89	71	84	95	103	51	92	3	94	148	124	135	111	1	0	1	10	0	39	13	66	0

MODENA, UTAH.

[H_b=5,479 ft.; h_t=10 ft.; h_r=2 ft.; h_a=43 ft.]

Month.	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.	Aurorss.
January	6.4	W.	29	NE.	0	4	3	14	9	0	8	24	0	0	17	4	10	5	3	4	4	0	0	9	0	31	0	0
February	7.5	SW.	37	SW.	0	8	8	8	3	1	17	11	2	0	11	3	15	11	8	8	5	0	1	3	0	27	0	0
March	12.3	SW.	56	SW.	6	4	2	8	2	1	20	17	8	0	10	12	9	9	7	10	8	0	0	0	0	29	0	0
April	14.4	W.	54	SW.	7	6	9	3	1	2	14	19	6	0	16	11	3	4	4	6	3	1	0	0	0	22	1	0
May	10.0	SW.	43	SW.	1	2	3	4	2	4	21	20	6	0	19	7	5	7	6	0	0	2	0	0	0	5	6	0
June	12.9	SW.	49	SW.	8	2	2	6	2	5	24	17	1	1	21	8	1	3	2	0	0	0	0	0	0	0	3	0
July	10.7	W.	44	W.	2	3	1	2	1	9	14	30	2	0	21	8	2	7	6	0	0	0	0	0	10	0	12	0
August	9.9	SW.	58	S.	2	3	3	4	1	3	25	19	4	0	20	8	3	5	4	0	0	0	0	0	6	0	12	0
September	10.5	W.	54	S.	4	0	3	3	1	6	14	31	2	0	19	6	5	2	1	0	0	0	0	0	0	4	4	0
October	10.7	W.	46	S.	5	2	4	8	1	4	19	21	3	0	20	8	3	6	6	5	4	0	0	0	0	20	1	0
November	7.6	W.	35	S.	0	4	9	8	1	2	11	22	3	0	14	12	4	2	1	2	2	0	0	0	0	30	0	0
December	9.8	W.	50	S.	1	8	4	7	0	1	12	26	4	0	14	12	5	4	3	6	4	0	0	4	0	31	1	0
Year	10.2	W.	58	S.	36	46	51	75	24	38	199	257	41	1	202	99	65	65	51	41	30	3	1	16	16	199	40	0

MONTGOMERY, ALA.

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

Month.	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.	Aurorss.
January	8.1	* N.	26	NW.	0	15	8	7	5	10	4	5	7	1	9	4	18	16	11	0	0	0	1	0	0	5	1	0
February	8.3	NW.	30	N.	0	9	8	1	2	8	8	4	18	0	10	6	13	10	10	0	0	0	1	0	0	8	1	0
March	8.9	SE.	31	SE.	0	4	3	6	16	11	8	2	12	0	15	4	12	11	9	0	0	1	0	0	0	8	9	1
April	8.3	SE.	31	SW.	0	5	5	1	16	10	9	1	13	0	8	9	13	13	10	0	0	0	0	0	0	0	8	0
May	6.0	E.	30	N.	0	11	6	16	11	5	4	6	3	0	5	14	12	15	10	0	0	0	0	0	2	0	10	0
June	5.9	SW.	28	NW.	0	11	4	6	11	5	11	7	3	2	21	5	4	7	7	0	0	0	0	0	13	0	5	0
July	5.8	SW.	29	SW.	0	3	3	6	6	9	22	9	3	1	11	12	8	9	6	0	0	0	0	0	16	0	10	0
August	5.2	S.	34	N.	0	3	7	6	9	12	11	6	8	0	5	13	13	15	13	0	0	0	0	0	6	0	11	0
September	5.5	E.	29	N.	0	6	8	19	4	5	5	8	4	1	15	7	8	6	6	0	0	0	0	0	13	0	5	0
October	5.2	SE.	19	S.	0	9	12	15	17	1	0	2	5	1	19	7	5	3	2	0	0	0	0	0	0	0	0	0
November	6.1	N.	24	SW.	0	15	8	6	4	5	6	5	7	4	18	3	9	6	6	0	0	0	0	0	0	2	0	0
December	6.6	W.	29	SW.	0	5	4	6	11	1	8	14	12	1	15	1	15	10	9	0	0	0	0	0	0	5	2	0
Year	6.7	SE.	34	N.	0	96	76	95	112	82	96	69	95	11	151	85	130	121	99	0	0	1	2	0	50	28	62	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

MOORHEAD, MINN.

[ϕ=46° 52′ N.; λ=96° 44′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.232	29.830	28.526	-1.4	....	3.1	10.4	-7.5	1.4	34	-27	-4	....	0	86	....	86	0.038	.....	0.048	0.04	0.36	5.9	....	6.0	6.3
February	29.129	29.814	28.470	5.7	....	13.6	21.2	.2	10.7	35	-24	3	....	10	89	....	85	.053	.....	.075	.20	.09	7.0	....	6.2	6.4
March	28.819	29.500	27.540	19.0	....	28.6	35.0	15.6	25.3	69	-16	16	....	23	88	....	80	.107	.....	.143	.32	.16	3.2	....	4.5	4.0
April	28.944	29.344	28.450	26.5	....	40.3	45.3	23.7	34.5	60	7	24	....	28	87	....	64	.132	.....	.157	.85	.51	4.6	....	3.6	4.0
May	29.041	29.440	28.450	47.9	....	63.9	69.2	42.0	55.6	83	28	42	....	43	80	....	50	.274	.....	.289	2.53	.67	3.9	....	5.1	3.6
June	28.955	29.278	28.600	58.6	....	70.4	75.9	53.6	64.8	90	39	55	....	57	88	....	65	.441	.....	.482	5.89	2.80	5.7	....	3.8	4.1
July	28.995	29.280	28.540	61.3	....	76.4	81.0	56.9	69.0	90	48	57	....	61	87	....	59	.474	.....	.543	2.92	1.09	2.5	....	3.1	2.3
August	29.001	29.253	28.500	57.1	....	76.9	82.5	54.4	68.4	98	40	54	....	56	91	....	50	.429	.....	.456	1.33	.66	1.7	....	1.5	1.5
September	28.919	29.390	28.340	52.0	....	64.7	72.9	50.1	61.5	91	26	50	....	53	92	....	69	.369	.....	.424	3.46	1.25	4.5	....	5.1	4.9
October	28.937	29.421	28.500	42.5	....	54.4	63.1	39.5	51.3	89	18	37	....	41	82	....	63	.235	.....	.270	1.03	.51	5.2	....	4.1	5.6
November	29.107	29.670	28.560	25.4	....	30.8	36.2	22.4	29.3	56	5	22	....	26	88	....	81	.123	.....	.141	.29	.25	7.0	....	7.1	7.6
December	28.912	29.512	28.320	15.1	....	19.2	24.2	10.5	17.4	38	-18	12	....	15	85	....	82	.085	.....	.099	.65	.31	6.6	....	5.8	6.5
Year	28.998	29.830	27.540	34.1	....	45.2	51.4	30.1	40.8	98	-27	31	....	34	87	....	70	.230	.....	.261	20.41	2.80	4.8	....	4.7	4.7

MOUNT TAMALPAIS, CALIF.

[ϕ=37° 56′ N.; λ=122° 35′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	27.633	27.860	27.393	47.1	50.1	49.7	53.6	43.4	48.5	71	29	30	33	33	58	58	58	0.178	0.201	0.192	0.38	0.22	1.3	2.8	3.2	4.1
February	27.582	27.830	27.230	44.3	48.2	48.2	51.8	40.9	46.4	61	31	33	37	37	67	69	69	.190	.226	.227	1.43	.59	1.5	2.0	2.3	3.4
March	27.516	27.930	26.961	41.3	46.3	45.3	49.4	37.3	43.4	61	30	35	39	39	82	77	80	.207	.240	.240	4.23	.99	3.9	4.1	3.2	4.5
April	27.528	27.780	27.220	46.1	54.1	52.5	57.1	42.5	49.8	76	32	32	40	36	64	63	61	.186	.248	.219	2.48	1.54	2.0	2.7	1.7	3.4
May	27.501	27.660	27.250	52.9	61.0	59.4	64.6	48.8	56.7	84	35	32	44	39	51	56	49	.191	.288	.241	.00	.00	2.0	2.6	1.0	2.4
June	27.488	27.700	27.260	56.9	64.0	62.7	67.4	53.2	60.3	91	45	41	48	45	64	62	57	.266	.344	.302	.24	.20	1.7	2.7	1.5	2.9
July	27.580	27.750	27.380	61.2	68.5	68.4	73.1	57.3	65.2	87	45	41	50	44	53	54	46	.265	.364	.300	.00	.00	.0	.2	.1	1.5
August	27.513	27.690	27.340	66.0	72.4	72.8	77.2	61.9	69.6	96	46	42	49	44	51	50	42	.275	.356	.295	.00	.00	.1	.1	.1	.2
September	27.530	27.700	27.340	58.6	65.0	62.9	68.9	54.1	61.5	87	43	41	49	43	63	61	55	.279	.349	.290	.34	.34	1.5	2.4	1.8	2.7
October	27.553	27.760	27.240	49.9	56.0	53.9	58.0	47.5	52.8	73	38	40	45	41	72	69	66	.250	.304	.267	2.09	.64	2.7	2.2	2.3	4.2
November	27.617	27.820	27.350	....	48.8	47.6	50.9	43.3	47.1	60	35	....	42	41	....	80	81	.....	.272	.265	5.74	1.48	....	5.0	5.7	6.7
December	27.609	27.850	27.050	....	44.6	43.1	47.7	38.3	43.0	56	32	....	39	39	....	83	87	.....	.243	.241	6.88	1.12	....	4.9	5.2	6.6
Year	27.554	27.930	26.961	....	56.6	55.5	60.0	47.4	53.7	96	29	....	43	40	....	65	63	.....	.286	.257	23.81	1.54	....	2.6	2.3	3.6

NANTUCKET, MASS.

[ϕ=41° 17′ N.; λ=70° 06′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.086	30.880	29.260	25.1	28.9	26.4	32.5	20.3	26.4	50	5	20	22	21	81	75	80	0.119	0.129	0.121	3.84	1.05	7.0	6.6	6.5	7.5
February	29.912	30.990	29.030	29.2	32.1	29.7	35.7	24.5	30.1	47	9	26	27	26	86	81	85	.146	.154	.145	6.99	2.77	6.8	6.2	6.0	7.2
March	29.938	30.560	28.750	36.1	40.5	35.2	43.2	30.1	36.6	56	15	31	33	31	82	75	85	.185	.198	.185	3.46	.88	4.1	4.3	2.5	5.3
April	29.787	30.140	29.170	42.9	46.2	42.2	48.5	37.7	43.1	60	28	38	40	38	84	79	86	.235	.246	.235	3.86	.89	5.3	5.2	4.8	6.4
May	30.034	30.430	29.604	50.6	53.7	47.0	55.1	43.4	49.2	71	35	46	48	45	87	82	94	.319	.335	.305	4.15	1.24	5.9	5.9	4.3	6.4
June	29.940	30.303	29.510	59.4	62.9	56.7	65.2	53.1	59.2	77	48	56	57	55	89	83	94	.451	.468	.436	3.58	1.61	5.9	5.8	6.2	6.4
July	29.968	30.250	29.450	68.3	71.6	64.1	73.4	61.0	67.2	79	56	63	63	61	84	75	92	.581	.579	.550	1.98	.66	3.2	4.5	4.3	5.0
August	30.061	30.360	29.610	68.2	72.6	65.8	74.4	62.7	68.6	79	54	65	66	64	91	80	95	.663	.642	.606	4.43	1.81	6.4	5.9	4.6	6.8
September	29.970	30.354	29.530	63.8	68.8	61.1	70.8	58.1	64.4	82	49	58	59	58	84	72	91	.502	.511	.493	1.18	.88	4.8	4.5	3.6	5.4
October	30.041	30.353	29.450	58.7	63.7	56.5	65.4	51.6	58.5	76	41	53	51	52	81	64	86	.409	.385	.397	3.96	2.27	4.5	3.6	2.5	4.1
November	30.067	30.528	29.350	44.9	47.7	44.3	50.6	39.5	45.0	64	27	38	37	38	77	68	78	.241	.226	.235	3.32	1.56	7.8	6.9	6.0	7.2
December	29.901	30.492	29.280	36.7	40.4	38.0	42.8	32.7	37.8	57	15	32	33	32	81	74	77	.186	.195	.188	4.24	1.02	6.4	6.4	5.3	7.1
Year	29.975	30.960	28.750	48.7	52.4	47.2	54.8	42.9	48.8	82	5	44	45	43	84	76	87	.336	.339	.325	44.99	2.77	5.7	5.5	4.7	6.2

NASHVILLE, TENN.

[ϕ=36° 10′ N.; λ=86° 47′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.656	30.040	29.020	34.4	39.7	40.1	47.3	29.9	38.6	69	13	30	30	30	82	68	69	0.178	0.181	0.190	7.35	2.21	7.4	6.5	4.7	6.7
February	29.523	29.920	29.160	35.4	41.2	42.0	46.9	31.9	39.4	66	10	30	30	30	80	64	63	.178	.175	.183	1.92	.74	7.0	6.6	6.3	7.1
March	29.485	29.960	28.960	42.2	53.8	52.2	58.4	38.6	48.5	80	14	34	32	34	72	46	55	.214	.205	.225	3.25	1.31	4.9	4.4	4.7	4.9
April	29.280	29.620	28.820	50.7	61.1	60.3	66.5	45.8	56.2	85	28	42	41	42	73	51	54	.287	.291	.299	8.58	3.45	5.7	5.3	5.0	5.3
May	29.450	29.750	29.200	61.6	71.9	70.5	75.9	58.2	67.0	89	46	54	54	55	76	57	61	.429	.446	.454	3.18	1.13	7.0	6.5	6.3	6.4
June	29.460	29.740	29.164	69.4	80.1	77.4	83.1	64.4	73.8	93	56	62	60	60	77	51	50	.552	.515	.534	3.81	1.58	3.8	5.3	4.0	4.3
July	29.468	29.660	29.200	71.9	83.1	80.3	86.6	68.5	77.6	93	62	65	64	64	80	55	59	.634	.618	.605	3.00	1.87	4.6	4.8	4.5	4.6
August	29.473	29.650	29.340	68.9	80.1	76.4	83.3	66.8	75.0	90	55	65	65	66	89	61	72	.634	.632	.647	6.85	2.72	6.0	6.8	6.5	6.3
September	29.467	29.600	29.300	65.9	77.7	73.6	81.4	63.0	72.2	90	40	62	63	63	88	62	71	.574	.586	.595	4.15	2.42	4.6	5.7	4.3	5.1
October	29.587	29.920	29.140	52.3	71.3	67.6	74.8	50.5	62.6	84	32	48	46	46	85	43	49	.347	.333	.337	2.75	2.50	3.0	4.1	2.1	3.3
November	29.606	30.020	29.160	40.5	51.4	49.9	55.6	37.8	46.7	74	21	34	36	35	78	57	59	.204	.222	.219	2.60	.88	5.7	5.4	5.3	5.5
December	29.473	29.820	28.860	37.2	44.3	44.1	48.8	34.3	41.6	61	15	31	33	33	79	66	67	.185	.200	.201	2.99	1.28	6.1	5.9	4.9	5.8
Year	29.494	30.040	28.820	52.5	63.0	61.2	67.4	49.1	58.3	93	10	46	46	46	80	57	62	.368	.367	.374	50.43	3.45	5.5	5.6	4.9	5.4

Annual meteorological summary for the year ending December 31, 1920—Continued.

MOORHEAD, MINN.

[H_b=940 ft.; h_t=50 ft.; h_r=43 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.	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.	Aurorss.
	Miles		*Mi.*																									
January	9.3	N.	30	NW.	0	18	2	3	10	10	2	3	14	0	9	7	15	13	7	20	13	0	0	30	0	31	0	0
February	8.9	N.	32	N.	0	16	2	0	6	9	4	6	15	0	8	8	13	8	2	15	8	0	0	27	0	29	0	0
March	10.7	N.	40	NW.	1	19	2	0	11	12	3	2	13	0	17	6	8	5	4	4	3	0	0	12	0	27	0	1
April	9.0	N.	35	NW.	0	17	16	3	5	4	0	2	13	0	17	5	8	8	6	5	3	0	0	5	0	23	0	0
May	8.1	SE.	30	NW.	0	4	10	7	16	12	3	5	5	0	17	8	6	11	8	0	0	0	0	0	0	1	4	0
June	6.3	S.	46	NW.	1	8	12	5	11	12	5	2	5	0	13	11	6	14	12	0	0	1	1	0	0	0	6	0
July	6.0	N.	30	NE.	0	11	11	2	7	8	9	4	9	1	25	4	2	8	6	0	0	0	0	0	0	0	5	0
August	7.0	SE.	27	S.	0	9	4	4	17	16	2	4	5	1	26	3	2	7	6	0	0	0	0	0	4	0	1	0
September	7.1	SE.	29	S.	0	3	2	10	16	10	7	4	8	0	16	2	12	15	10	0	0	0	2	0	1	1	8	0
October	8.6	S.	26	S.	0	10	4	7	7	14	3	12	5	0	8	11	12	6	6	1	0	0	0	0	0	8	2	0
November	7.8	N.	27	N.	0	17	4	1	3	15	7	5	7	1	5	4	21	4	1	9	3	0	3	9	0	27	0	0
December	9.6	NW.	35	NW.	0	11	1	1	9	10	5	3	21	1	7	9	15	7	5	14	7	0	1	22	0	31	0	0
Year	8.2	N.	46	NW.	2	143	70	43	118	132	50	52	120	4	168	78	120	106	73	68	37	1	7	105	5	178	26	1

MOUNT TAMALPAIS, CALIF.

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

Month.	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.	Aurorss.
January	20.9	NE.	74	N.	10	17	18	3	4	5	8	1	6	0	16	8	7	4	3	0	0	0	10	0	0	1	0	0
February	14.5	E.	56	N.	7	11	4	11	9	1	10	3	9	0	18	5	6	6	5	2	0	0	10	0	0	2	0	0
March	19.6	NW.	88	NW.	19	7	2	1	2	1	12	8	29	0	18	4	9	13	10	2	2	2	15	0	0	2	0	0
April	25.1	NW.	92	NW.	28	11	0	0	0	1	6	7	35	0	17	8	5	7	5	0	0	0	11	0	0	1	0	0
May	21.9	NW.	88	NW.	23	9	2	0	0	0	0	15	36	0	20	9	2	0	0	0	0	0	4	0	0	0	0	6
June	22.4	NW.	80	NW.	17	6	4	0	1	1	4	14	30	0	20	6	4	2	2	0	0	0	8	0	1	0	0	0
July	18.1	NW.	80	NW.	18	2	2	0	0	0	5	14	38	1	25	5	1	0	0	0	0	0	6	0	0	0	0	0
August	15.7	NW.	64	NW.	13	2	3	1	1	0	17	12	26	0	23	5	3	0	0	0	0	0	5	0	2	0	0	0
September	16.0	NW.	76	NW.	13	2	1	1	1	0	6	14	35	0	22	5	3	1	1	0	0	0	8	0	0	0	0	0
October	19.9	NW.	68	NE.	18	10	3	2	2	5	11	5	24	0	16	7	8	8	7	0	0	0	10	0	0	0	0	0
November	18.4	SE.	66	NW.	12	4	2	2	6	5	2	1	8	0	7	6	17	13	13	0	0	0	17	0	0	0	0	0
December	21.8	NW.	70	SW.	18	4	3	1	4	1	5	4	9	0	7	7	17	21	18	0	0	0	20	0	0	1	2	0
Year	19.5	NW.	92	NW.	196	85	44	22	30	20	86	98	285	1	209	75	82	75	64	4	2	2	124	0	3	7	2	0

NANTUCKET, MASS.

[H_b=12 ft.; h_t=14 ft.; h_r=4 ft.; h_a=90 ft.]

Month.	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.	Aurorss.
January	18.3	NW.	48	SW.	6	10	7	1	3	2	6	19	14	0	4	6	21	16	13	17	10	0	4	14	0	29	0	0
February	19.3	W.	60	NE.	8	8	7	4	4	5	8	13	9	0	6	6	17	15	11	12	7	0	7	7	0	24	0	0
March	20.6	SW.	66	SW.	8	2	3	1	6	7	21	11	11	0	15	5	11	13	10	5	3	0	11	4	0	19	1	1
April	18.2	SW.	49	SE.	6	4	8	3	8	5	10	14	8	0	8	8	14	16	11	2	2	0	7	0	0	4	3	0
May	15.0	NE.	39	E.	0	3	19	4	6	7	13	9	1	0	9	6	16	14	10	0	0	0	8	0	0	0	0	0
June	15.3	SW.	45	NE.	2	8	10	1	3	7	27	2	2	0	5	11	14	13	11	0	0	0	10	0	0	0	4	0
July	15.0	SW.	42	SW.	1	2	3	0	2	12	34	6	3	0	13	8	10	8	6	0	0	0	14	0	0	0	2	0
August	13.0	SW.	30	SW.	0	3	15	3	8	6	26	1	0	0	7	6	18	12	10	0	0	0	17	0	0	0	6	0
September	12.9	SW.	47	SW.	1	8	3	5	7	5	17	9	6	0	10	9	11	10	3	0	0	0	8	0	0	0	2	0
October	14.5	SW.	42	SW.	1	1	13	3	4	5	24	7	5	0	13	11	7	5	4	0	0	0	2	0	0	0	1	0
November	17.2	W.	69	SW.	8	1	14	3	3	1	8	16	14	0	4	8	18	10	7	0	0	0	0	0	0	3	0	0
December	17.1	W.	49	NE.	8	4	5	1	8	2	7	18	17	0	6	7	18	10	10	6	1	1	3	2	0	15	1	0
Year	16.4	SW.	69	SW.	49	54	107	29	62	64	201	125	90	0	100	91	175	142	106	42	23	1	91	27	0	94	20	1

NASHVILLE, TENN.

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

Month.	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.	Aurorss.
January	9.2	NW	34	W.	0	8	11	6	5	4	8	7	13	0	8	7	16	9	9	2	0	0	2	1	0	18	0	0
February	9.7	NW.	34	NW.	0	7	6	4	2	7	8	6	18	0	5	5	19	12	9	8	4	0	1	5	0	13	0	0
March	14.0	S.	48	SE.	5	2	4	2	17	16	3	7	11	0	11	12	8	11	9	3	2	0	0	3	0	9	6	1
April	13.0	S.	52	SE.	4	1	6	6	8	12	6	9	12	0	9	11	10	12	11	1	0	1	0	0	0	3	9	0
May	8.6	NE.	39	SW.	0	5	12	10	10	11	2	6	6	0	6	12	13	10	9	0	0	1	0	0	0	0	6	0
June	7.0	W.	33	NW.	2	4	12	6	2	3	10	13	10	0	14	13	3	8	7	0	0	0	0	0	7	0	4	0
July	6.9	W.	40	S.	1	5	11	1	5	3	7	17	13	0	13	13	5	10	9	0	0	0	0	0	8	0	9	0
August	6.2	NE.	52	W.	1	6	11	4	11	9	14	4	3	0	8	9	14	19	15	0	0	0	2	0	1	0	13	0
September	7.2	SE.	54	NW.	1	7	8	4	14	4	8	8	7	0	10	12	8	11	9	0	0	0	2	0	0	0	7	0
October	6.8	S.	34	S.	0	4	11	5	10	13	7	9	3	0	19	7	5	3	3	0	0	0	2	0	0	0	1	0
November	8.8	W.	36	NW.	0	8	7	6	7	9	6	12	5	0	11	7	12	9	9	2	1	0	1	0	0	9	0	0
December	11.1	W.	42	SW.	1	3	5	4	11	12	8	11	8	0	13	3	15	8	7	2	0	1	1	2	0	11	0	0
Year	9.0	W.	54	NW.	15	60	104	58	102	103	87	109	109	0	127	111	128	122	106	18	7	3	11	11	16	63	55	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

NEW HAVEN, CONN.

[ϕ=41° 18′ N.; λ=72° 56′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.052	30.870	29.320	18.7	23.7	21.8	29.0	13.8	21.4	48	−4	13	15	14	78	68	70	0.087	0.096	0.086	2.80	0.95	5.8	5.9	5.2	5.8
February	29.864	30.910	29.130	23.2	28.8	28.0	33.0	18.7	25.8	43	−10	18	19	20	79	66	70	.104	.112	.111	4.78	1.95	6.3	5.8	5.3	6.1
March	29.870	30.420	28.900	33.5	41.1	39.4	46.1	28.9	37.5	68	10	24	26	29	69	57	66	.141	.154	.168	4.42	1.22	4.4	4.0	3.7	4.2
April	29.708	30.052	29.020	44.3	48.8	45.7	53.1	37.7	45.4	67	26	32	32	34	64	56	67	.192	.193	.207	5.62	1.04	4.9	6.0	5.1	5.8
May	29.947	30.344	29.540	53.7	60.3	55.2	64.4	47.6	56.0	78	36	44	42	45	70	55	70	.292	.284	.305	4.22	1.48	4.8	5.0	5.5	5.4
June	29.846	30.200	29.400	64.1	70.4	65.8	74.7	57.3	66.0	91	48	55	56	56	74	63	73	.438	.459	.465	6.62	3.11	5.7	5.0	5.7	5.6
July	29.865	30.120	29.400	69.6	76.0	71.0	79.3	62.4	70.8	90	53	59	60	60	71	60	71	.518	.531	.540	4.93	2.84	3.9	5.4	4.7	4.5
August	29.962	30.270	29.470	69.2	76.2	71.9	79.2	64.8	72.0	90	55	63	63	65	80	66	79	.582	.596	.620	2.69	.95	6.0	5.3	6.1	5.8
September	29.889	30.260	29.160	62.5	70.6	66.9	74.6	57.4	66.0	85	42	54	55	58	76	59	74	.440	.453	.493	5.15	2.40	3.9	4.0	3.7	4.0
October	29.967	30.262	29.190	54.7	64.5	58.7	67.7	49.5	58.6	82	36	47	48	50	76	56	73	.333	.345	.367	.79	.69	4.3	3.7	2.3	3.5
November	30.005	30.480	29.260	39.2	45.3	41.6	48.0	35.0	41.5	64	22	31	32	33	73	59	72	.179	.184	.198	5.14	1.99	6.0	6.1	5.6	6.3
December	29.841	30.460	29.280	32.5	38.2	35.1	40.7	29.1	34.9	56	10	26	27	27	77	65	70	.151	.158	.149	6.06	1.93	5.9	5.3	5.2	5.7
Year	29.901	30.910	28.900	47.1	53.7	50.1	57.5	41.8	49.7	91	−10	39	40	41	74	61	71	.288	.297	.310	53.22	3.11	5.2	5.1	4.8	5.2

NEW ORLEANS, LA.

[ϕ=29° 57′ N.; λ=90° 04′ W.]

January	30.119	30.380	29.750	52.0	59.7	57.8	63.0	49.1	56.0	81	29	48	51	51	88	75	78	0.362	0.406	0.398	5.66	1.68	6.6	7.7	5.3	6.7
February	30.045	30.490	29.520	51.4	59.5	57.4	63.9	49.3	56.6	80	35	47	48	48	84	67	72	.334	.346	.346	3.60	2.06	5.9	6.3	4.8	5.6
March	30.010	30.480	29.580	55.8	64.7	62.3	68.0	52.6	60.3	84	31	53	58	58	91	80	85	.441	.537	.511	3.28	1.60	5.1	7.1	6.2	6.6
April	29.809	30.110	29.490	65.3	74.0	69.8	76.5	61.7	69.1	87	42	61	64	64	87	72	81	.568	.623	.607	7.84	5.44	6.1	5.2	5.2	5.9
May	29.905	30.080	29.730	73.8	82.4	78.5	85.1	70.8	78.0	91	64	68	70	70	83	68	76	.698	.754	.738	4.08	2.32	5.9	6.7	4.8	6.5
June	29.949	30.133	29.730	77.7	83.7	81.2	87.9	73.6	80.8	96	68	71	71	70	80	66	69	.750	.756	.727	8.45	4.16	3.9	6.2	5.0	4.8
July	29.996	30.140	29.830	79.7	85.0	81.0	89.2	75.4	82.3	93	67	74	74	74	83	71	79	.846	.850	.826	6.20	1.43	4.4	8.0	8.3	6.5
August	29.957	30.070	29.760	78.4	84.0	80.8	87.5	75.1	81.3	94	73	73	72	72	85	68	75	.821	.781	.784	4.18	1.01	5.1	7.7	7.9	7.2
September	29.910	30.080	29.480	77.2	86.6	80.4	88.5	74.5	81.5	96	54	74	75	73	88	69	79	.834	.870	.815	6.47	3.49	2.2	5.9	5.7	5.5
October	30.034	30.320	29.710	66.4	76.7	70.8	78.6	64.3	71.4	85	54	62	68	65	86	74	82	.577	.683	.628	3.59	1.25	3.4	5.5	3.0	4.9
November	30.108	30.400	29.660	52.4	62.8	58.9	66.0	50.5	58.2	79	36	48	51	50	86	69	75	.356	.405	.391	3.03	1.21	4.6	4.2	3.3	4.4
December	30.039	30.350	29.550	50.2	57.8	54.8	61.7	46.5	54.1	77	34	47	50	47	89	75	76	.342	.376	.345	8.70	4.34	6.1	6.7	5.2	6.4
Year	29.990	30.490	29.480	65.0	73.1	69.5	76.3	62.0	69.1	96	29	60	63	62	86	71	77	.577	.616	.593	65.08	5.44	4.9	6.4	5.4	5.9

NEW YORK, N. Y.

[ϕ=40° 43′ N.; λ=74° 00′ W.]

January	29.816	30.580	29.140	21.3	....	24.5	31.6	16.6	24.1	49	−3	12	....	13	65	....	61	0.084	....	0.088	2.23	0.82	6.4	....	4.5	7.0
February	29.632	30.619	29.010	25.6	....	29.7	36.1	22.1	29.1	49	−3	19	....	20	74	....	65	.108	....	.111	6.56	1.90	5.7	....	4.4	6.9
March	29.653	30.170	28.750	37.1	....	43.3	49.1	32.0	40.6	69	12	26	....	28	64	....	58	.159	....	.174	4.16	2.20	4.4	....	4.3	5.1
April	29.480	29.840	28.820	44.5	....	47.7	56.1	39.3	47.7	73	30	31	....	34	62	....	61	.185	....	.204	4.44	1.05	4.9	....	4.9	6.3
May	29.719	30.136	29.290	54.7	....	57.1	66.0	49.5	57.8	78	41	43	....	44	66	....	64	.285	....	.299	2.88	.98	4.3	....	4.7	5.3
June	29.624	29.969	29.200	65.0	....	68.4	76.0	59.2	67.6	90	50	56	....	56	74	....	68	.461	....	.461	6.19	1.97	5.1	....	5.4	5.9
July	29.651	29.890	29.220	69.2	....	72.5	80.3	64.7	72.5	88	55	60	....	62	74	....	70	.535	....	.563	4.78	1.65	4.6	....	5.1	5.4
August	29.732	30.030	29.350	69.5	....	72.4	79.4	66.3	72.8	85	57	64	....	64	83	....	76	.608	....	.613	4.91	1.31	7.4	....	5.6	7.3
September	29.668	30.003	28.860	64.2	....	67.7	74.5	60.8	67.4	83	47	56	....	58	76	....	71	.470	....	.492	3.24	1.83	4.6	....	2.7	4.7
October	29.748	30.040	28.970	56.1	....	61.2	68.4	52.5	60.4	82	37	48	....	48	75	....	64	.349	....	.351	.77	.44	3.4	....	2.3	4.2
November	29.770	30.243	28.990	42.4	....	44.7	50.0	38.3	44.2	67	25	33	....	35	71	....	69	.197	....	.211	3.56	1.71	6.2	....	6.6	7.2
December	29.617	30.190	29.030	35.5	....	37.6	43.8	31.7	37.8	59	18	27	....	28	71	....	66	.159	....	.154	5.09	1.25	6.4	....	5.5	6.6
Year	29.676	30.619	28.750	48.8	....	52.2	59.3	44.4	51.8	90	−3	40	....	41	71	....	66	.300	....	.310	48.31	2.20	5.3	....	4.7	6.0

NORFOLK, VA.

[ϕ=36° 51′ N.; λ=76° 17′ W.]

January	30.116	30.710	29.450	34.1	39.4	38.1	45.8	29.0	37.4	72	14	26	28	28	74	63	68	0.165	0.169	0.167	2.14	0.84	6.2	5.9	5.4	6.2
February	29.911	30.710	29.310	34.0	39.9	39.0	44.9	31.0	38.0	57	17	27	27	30	75	64	71	.158	.161	.174	6.33	2.60	4.5	5.3	5.2	6.1
March	29.978	30.430	29.150	45.0	54.9	50.8	60.2	39.9	50.0	81	23	35	34	35	68	49	58	.234	.226	.225	2.39	1.08	4.4	4.5	2.9	4.5
April	29.777	30.140	29.180	54.4	60.7	57.6	66.3	48.3	57.3	85	34	43	41	41	68	52	58	.308	.283	.280	4.25	1.42	5.1	4.8	4.6	5.2
May	29.970	30.400	29.580	59.0	65.8	60.4	69.5	53.2	61.4	83	45	49	45	47	72	51	66	.364	.323	.342	1.99	.77	4.9	5.8	4.5	5.2
June	29.905	30.260	29.440	70.3	78.5	75.0	83.2	65.4	74.3	95	57	62	60	62	75	55	66	.555	.531	.560	5.05	1.41	3.6	4.0	4.6	4.5
July	29.939	30.160	29.570	73.1	80.9	75.5	84.7	68.1	76.4	92	62	66	65	67	80	60	76	.658	.696	.669	4.33	1.26	4.8	4.8	4.6	4.8
August	29.971	30.151	29.710	73.2	79.4	75.0	83.3	70.3	76.8	91	64	69	68	69	87	70	83	.715	.698	.721	3.83	.70	7.0	7.9	6.8	7.2
September	29.923	30.160	29.250	70.8	77.9	72.0	81.0	66.8	73.9	89	56	62	60	63	76	57	75	.579	.543	.596	3.11	1.82	4.3	4.2	2.8	4.5
October	30.044	30.270	29.430	59.5	69.0	64.7	73.3	55.9	64.6	85	40	53	51	53	80	54	68	.418	.386	.421	.94	.86	2.8	2.8	2.1	2.9
November	30.038	30.418	29.290	47.6	55.5	52.7	60.6	44.7	52.6	75	31	41	40	42	78	59	68	.267	.299	.282	3.64	1.46	5.8	5.4	4.7	5.8
December	29.934	30.420	29.420	41.6	48.1	46.0	52.6	38.6	45.6	71	30	35	34	34	77	60	65	.221	.209	.212	4.91	1.50	4.8	5.1	4.4	4.9
Year	29.959	30.710	29.150	55.2	62.5	58.9	67.1	50.9	59.0	95	14	47	46	48	76	58	68	.387	.372	.337	42.91	2.60	4.9	5.0	4.4	5.2

Annual meteorological summary for the year ending December 31, 1920—Continued.

NEW HAVEN, CONN.

[H_b=106 ft.; h_1=74 ft.; h_r=68 ft.; h_a=153 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	10.6	N.	32	W.	0	16	14	1	0	2	8	12	9	0	10	9	12	16	11	12	9	0	0	19	0	30	0	0
February	11.3	NE.	40	N.	1	13	11	2	2	4	7	8	11	0	8	8	13	13	13	13	9	0	2	8	0	29	0	0
March	10.5	W.	50	NW.	1	6	5	1	8	9	13	8	12	0	17	5	9	10	9	4	4	0	2	4	0	15	1	2
April	11.4	N.	39	NW.	0	13	9	6	6	4	7	9	6	0	10	7	13	15	13	3	0	0	0	0	0	4	2	0
May	9.3	SW.	36	E.	0	11	9	7	2	8	17	6	2	0	10	11	10	10	9	0	0	0	0	0	0	0	2	0
June	8.2	SW.	47	NE.	1	8	12	5	2	5	18	8	2	0	10	10	10	12	9	0	0	2	0	0	1	0	6	0
July	8.6	SW.	35	W.	0	10	9	4	1	7	16	9	6	0	15	8	8	9	8	0	0	0	0	0	1	0	7	0
August	7.4	SW.	31	SW.	0	5	14	5	2	4	26	6	0	0	8	11	12	12	10	0	0	0	0	0	0	0	8	0
September	8.4	N.	47	S.	1	13	11	0	5	8	10	7	6	0	15	8	7	10	5	0	0	0	1	0	0	0	3	0
October	8.1	N.	41	S.	1	14	7	1	2	4	14	11	9	0	16	10	5	3	3	0	0	0	0	0	0	0	1	1
November	9.9	NE.	40	SW.	1	9	17	0	1	1	4	18	10	0	9	7	14	12	10	3	2	0	0	0	0	8	1	0
December	10.2	W.	43	S.	1	12	10	1	2	2	5	21	9	0	10	10	11	10	8	5	2	0	0	3	0	21	1	0
Year	9.5	SW.	50	NW.	7	130	128	33	33	58	145	123	82	0	138	104	124	132	108	40	26	2	5	34	2	107	32	3

NEW ORLEANS, LA.

[H_b=53 ft.; h_1=76 ft.; h_r=71 ft.; h_a=84 ft.]

Month.	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.
January	7.4	NE.	24	E.	0	13	18	4	5	7	6	4	5	0	9	6	16	13	8	0	0	0	5	0	0	1	1	0
February	7.3	N.	28	N.	0	10	9	3	10	7	5	5	9	0	9	8	12	7	5	0	0	0	0	0	0	0	2	0
March	8.3	SW.	26	NW.	0	5	8	12	7	14	9	3	4	0	8	5	18	11	9	1	0	1	3	0	0	1	4	0
April	8.5	S.	27	NW.	0	4	7	2	12	15	10	3	6	1	8	10	12	6	3	0	0	1	0	0	0	0	2	0
May	5.9	SE.	23	SW.	0	3	5	6	13	11	14	6	3	1	4	15	12	9	8	0	0	0	0	0	6	0	9	0
June	5.5	SE.	20	E.	0	3	7	3	14	14	5	7	5	2	11	13	6	13	11	0	0	0	0	0	7	0	10	0
July	4.2	SW.	36	E.	0	2	2	4	6	11	13	14	4	6	3	17	11	18	14	0	0	1	0	0	12	0	20	0
August	3.5	SW.	27	SW.	0	0	8	5	5	15	14	7	4	4	4	11	16	19	15	0	0	0	0	0	7	0	19	0
September	6.1	SW.	44	SE.	1	1	13	7	7	8	7	5	5	7	5	19	6	10	8	0	0	0	0	0	13	0	4	0
October	6.3	SE.	23	S.	0	3	11	14	22	6	1	1	2	2	11	9	11	5	5	0	0	0	0	0	0	0	4	0
November	6.6	NE.	23	NE.	0	7	20	6	7	6	5	3	6	0	15	7	8	6	6	0	0	0	4	0	0	0	0	0
December	6.2	SE.	23	NW.	0	7	7	9	14	4	8	4	9	0	9	6	16	10	8	0	0	0	1	0	0	0	1	0
Year	6.3	SE.	44	SE.	1	58	115	75	122	118	97	62	62	23	96	126	144	127	100	1	0	3	13	0	45	2	76	0

NEW YORK, N. Y.

[H_b=314 ft.; h_1=414 ft.; h_r=407 ft.; h_a=454 ft.]

Month.	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.
January	20.1	NW.	74	NW.	14	13	9	2	0	5	5	10	18	0	4	12	15	14	9	15	7	0	3	16	0	29	0	0
February	21.6	NW.	65	NW.	9	8	9	2	3	4	7	8	17	0	6	10	13	15	13	15	11	0	4	6	0	27	0	0
March	22.6	NW.	78	NW.	13	2	1	7	3	8	11	11	19	0	12	9	10	9	8	5	5	0	4	3	0	15	1	3
April	20.1	NW.	66	NW.	12	4	6	9	0	9	5	9	18	0	5	14	11	14	13	4	0	1	2	0	0	4	4	0
May	13.5	S.	51	NW.	4	7	9	6	3	19	3	3	12	0	9	12	10	12	9	0	0	1	1	0	0	0	3	0
June	14.2	SW.	50	SW.	5	9	9	6	3	7	12	6	8	0	6	16	8	13	10	0	0	0	1	0	1	0	9	0
July	15.3	S.	60	W.	8	7	1	1	8	17	9	6	13	0	6	18	7	13	12	0	0	2	1	0	0	0	12	0
August	11.3	S.	56	NW.	2	5	9	12	2	12	16	1	5	0	1	11	19	14	13	0	0	0	1	0	0	0	9	0
September	15.0	NW.	80	S.	5	4	5	5	7	11	7	10	11	0	13	10	7	8	6	0	0	0	3	0	0	0	4	0
October	14.9	NW.	55	NW.	4	5	5	4	2	6	12	13	15	0	15	9	7	5	4	0	0	0	3	0	0	0	3	0
November	17.6	NW.	70	NW.	6	2	10	8	0	4	3	10	23	0	5	7	18	10	7	3	1	0	0	0	0	4	1	0
December	20.9	NW.	75	NW.	14	4	7	4	1	4	6	16	20	0	6	12	13	11	9	7	4	0	1	2	0	14	1	0
Year	17.3	NW.	80	S.	96	70	80	66	32	106	96	103	179	0	88	140	138	138	113	49	27	4	24	27	1	93	47	3

NORFOLK, VA.

[H_b=91 ft.; h_1=170 ft.; h_r=178 ft.; h_a=205 ft.]

Month.	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.
January	14.9	N.	45	SW.	3	15	8	4	4	11	9	3	8	0	10	5	16	9	8	5	2	0	2	3	0	22	0	0
February	15.4	NW.	54	NE.	3	13	5	4	7	7	6	9	7	0	9	8	12	14	12	4	2	0	4	1	0	16	0	0
March	15.7	S.	60	NW.	5	1	7	3	13	13	9	10	6	0	14	7	10	8	6	1	1	0	0	1	0	7	2	1
April	15.6	S.	62	W.	6	4	6	2	11	15	7	9	5	1	11	9	10	13	11	0	0	0	1	0	0	0	4	0
May	12.0	NE.	38	NW.	0	9	18	8	11	7	5	1	3	0	12	8	11	8	5	0	0	0	1	0	0	0	1	0
June	11.5	S.	42	NW.	1	8	3	4	8	16	10	7	4	0	14	10	6	11	11	0	0	0	1	0	6	0	4	0
July	11.6	S.	51	N.	3	2	8	4	9	18	15	5	1	0	10	12	8	11	10	0	0	0	2	0	3	0	9	0
August	10.9	S.	39	SW.	0	7	9	3	9	19	11	1	3	0	3	9	19	14	13	0	0	0	1	0	3	0	9	0
September	9.9	NE.	36	NW.	0	10	16	3	13	7	2	7	2	0	14	9	7	9	6	0	0	0	2	0	0	0	4	0
October	10.8	W.	35	S.	0	9	9	1	11	5	9	10	8	0	22	5	4	4	2	0	0	0	3	0	0	0	0	0
November	12.7	NE.	48	NE.	4	8	16	4	5	10	6	8	3	0	8	10	12	9	6	0	0	0	0	0	0	1	1	0
December	13.5	W.	49	NE.	6	7	8	4	7	8	11	13	4	0	13	5	13	9	9	0	0	0	1	0	0	5	0	0
Year	12.9	S.	62	W.	31	93	113	44	108	136	100	83	54	1	140	98	128	119	99	10	5	0	18	5	12	51	34	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

NORTHFIELD, VT.

[ϕ=44° 10′ N.; λ=72° 41′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.164	30.035	28.420	0.5	10.5	7.0	18.0	-8.5	4.8	41	-32	0	4	3	91	72	83	0.049	0.055	0.052	1.24	0.38	6.8	6.1	6.6	6.8
February	28.989	30.032	28.190	12.7	21.9	18.5	26.9	4.9	15.9	48	-33	10	12	13	87	64	77	.072	.078	.079	2.05	.80	8.9	7.8	6.4	8.1
March	28.952	29.590	28.120	24.8	35.6	31.8	41.3	18.0	29.6	65	-19	18	21	24	78	57	73	.113	.128	.142	2.52	1.28	5.8	5.9	5.2	6.4
April	28.854	29.210	28.240	36.0	42.9	38.7	46.2	28.2	37.2	67	17	28	28	30	72	58	71	.154	.157	.167	5.12	1.24	7.2	7.3	6.6	7.6
May	29.112	29.500	28.790	49.5	60.3	52.7	63.5	36.7	50.1	85	22	40	36	41	70	44	67	.257	.228	.268	1.28	.73	5.5	6.7	4.9	6.2
June	29.021	29.416	28.650	59.6	69.0	61.5	72.5	48.3	60.4	88	39	52	51	54	77	55	78	.397	.382	.428	3.60	1.19	6.1	7.1	6.2	7.1
July	29.013	29.316	28.570	63.5	71.9	64.4	75.3	53.3	64.3	85	43	56	54	58	76	54	80	.452	.425	.488	3.70	.86	6.9	6.1	6.4	7.2
August	29.147	29.506	28.650	63.2	75.2	65.3	79.1	54.2	66.6	88	40	59	58	61	86	56	87	.509	.500	.549	2.19	.77	5.8	6.5	4.8	6.2
September	29.065	29.430	28.470	52.9	65.3	56.1	68.7	46.8	57.8	85	30	50	51	53	89	63	90	.368	.395	.412	5.56	3.34	5.4	5.8	5.0	6.4
October	29.106	29.463	28.350	47.0	60.4	50.2	63.8	38.8	51.3	77	26	42	43	44	83	54	81	.277	.288	.301	1.80	.64	4.4	4.8	4.5	5.8
November	29.146	29.627	28.330	29.8	34.6	32.3	38.3	23.5	30.9	58	8	26	26	27	83	70	80	.138	.140	.150	4.20	1.06	9.1	9.1	8.0	9.4
December	28.966	29.620	28.290	21.2	26.8	24.7	30.6	15.9	23.2	45	-13	18	20	21	88	73	83	.105	.110	.115	4.35	1.21	9.2	8.5	7.2	9.1
Year	29.045	30.035	28.120	38.4	47.9	41.9	52.0	30.0	41.0	88	-33	33	34	36	82	60	79	.241	.240	.263	37.61	3.34	6.8	6.8	5.9	7.2

NORTH HEAD, WASH.

[ϕ=46° 16′ N.; λ=124° 04′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.975	30.038	29.530	41.4	43.5	43.4	46.0	38.4	42.2	59	27	37	38	39	84	83	85	0.228	0.236	0.241	5.34	1.21	6.3	6.8	7.3	7.0
February	29.989	30.260	29.560	40.1	44.4	45.7	47.4	37.9	42.6	57	33	35	37	39	83	78	79	.209	.225	.240	.42	.31	4.5	4.2	3.8	3.9
March	29.715	30.170	29.200	43.2	45.6	45.1	48.1	40.4	44.2	59	33	38	39	40	82	79	84	.228	.242	.253	3.73	.86	7.2	8.5	8.2	6.5
April	29.844	30.340	29.180	42.5	45.3	45.2	47.3	40.0	43.6	51	36	38	38	39	85	77	78	.231	.233	.236	4.02	1.40	7.7	7.3	7.0	5.7
May	29.903	30.120	29.590	46.2	49.6	49.5	51.4	44.8	48.1	63	42	41	43	43	83	78	79	.261	.275	.280	1.61	.73	7.3	6.8	5.5	5.0
June	29.844	30.131	29.470	51.2	54.4	54.6	56.3	49.5	52.9	64	44	48	50	49	88	85	82	.332	.358	.348	1.69	.56	7.9	7.1	7.4	6.2
July	29.884	30.090	29.680	55.2	58.5	58.8	59.9	54.1	57.0	66	50	52	54	54	89	86	83	.388	.419	.411	.89	.69	7.4	6.7	5.7	6.2
August	29.845	30.040	29.270	54.6	58.2	57.7	59.9	52.5	56.2	76	49	52	54	54	92	87	90	.387	.419	.421	1.46	.74	4.9	4.4	3.7	4.3
September	29.702	30.120	28.980	55.1	57.9	56.6	59.5	51.9	55.7	78	47	51	52	52	87	82	87	.373	.389	.391	5.34	.92	7.7	7.1	7.4	7.5
October	29.757	30.160	29.180	50.2	52.8	53.4	55.6	47.5	51.6	64	41	46	47	47	87	82	82	.316	.328	.333	9.80	1.63	7.9	6.6	6.6	6.5
November	29.778	30.130	29.160	48.1	50.7	50.2	52.8	45.2	49.0	60	38	39	40	42	74	70	74	.249	.254	.267	5.03	1.54	5.6	6.5	6.3	6.6
December	29.651	30.300	28.850	44.8	45.8	45.7	48.0	41.4	44.7	54	34	40	40	41	85	81	84	.253	.250	.259	11.39	1.53	8.2	8.7	9.7	9.5
Year	29.824	30.340	28.850	47.7	50.6	50.5	52.7	45.3	49.0	78	27	43	44	45	85	81	82	.288	.302	.307	50.72	1.63	6.9	6.7	6.6	6.2

NORTH PLATTE, NEBR.

[ϕ=41° 08′ N.; λ=100° 45′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	27.202	27.690	26.680	21.4	29.5	30.0	39.5	18.3	28.9	67	0	17	20	22	83	68	72	0.098	0.114	0.119	0.07	0.07	4.7	5.5	4.1	5.3
February	27.162	27.570	26.650	22.8	31.9	32.2	40.2	19.0	29.6	62	4	18	22	22	82	66	66	.100	.117	.116	.72	.46	5.0	5.4	4.2	5.0
March	26.906	27.570	26.020	25.7	42.6	45.2	52.3	23.5	37.9	76	-13	20	23	22	76	50	43	.113	.126	.122	.38	.18	2.9	3.2	4.3	3.7
April	26.911	27.256	26.510	32.6	43.0	44.8	50.8	30.2	40.5	72	17	29	30	31	87	63	63	.166	.174	.182	3.42	1.79	6.0	5.9	6.0	5.9
May	27.070	27.420	26.612	50.4	60.3	63.1	67.8	47.9	57.8	83	37	46	46	46	86	64	57	.319	.327	.324	3.31	1.35	7.5	6.9	6.0	6.6
June	27.068	27.340	26.820	59.7	73.1	74.6	79.6	57.2	68.4	95	43	54	55	55	82	55	55	.429	.447	.457	2.35	.82	5.1	4.2	6.3	4.3
July	27.155	27.390	26.910	62.6	81.8	82.9	88.5	61.0	74.8	99	50	57	58	58	81	46	45	.465	.498	.485	1.62	.63	3.3	1.8	2.9	2.1
August	27.147	27.360	26.760	58.1	75.2	77.5	83.2	56.8	70.0	91	40	54	56	55	88	54	48	.434	.459	.443	4.73	3.19	3.2	3.0	3.3	3.0
September	27.090	27.550	26.550	50.0	74.7	70.4	79.9	48.5	64.2	94	27	45	48	49	85	42	48	.319	.354	.363	.83	.73	4.0	3.2	3.6	3.6
October	27.062	27.480	26.690	43.0	66.2	59.3	70.0	40.6	55.3	87	17	36	37	37	75	37	47	.220	.231	.232	1.29	.85	2.7	2.0	2.2	2.9
November	27.202	27.710	26.720	25.1	41.6	36.5	46.4	22.8	34.6	72	4	20	26	25	82	55	62	.114	.143	.134	.04	.03	4.9	5.2	2.8	6.1
December	27.001	27.439	26.440	18.3	33.9	28.2	38.3	15.6	27.0	62	-17	14	20	18	84	58	66	.089	.112	.103	.60	.52	3.9	5.1	2.9	5.3
Year	27.081	27.710	26.020	39.1	54.5	53.7	61.4	36.8	49.1	99	-17	34	37	37	83	55	56	.239	.258	.257	19.36	3.19	4.4	4.3	4.0	4.4

OKLAHOMA CITY, OKLA.

[ϕ=35° 26′ N.; λ=97° 33′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.918	29.320	28.370	29.6	39.0	37.4	43.6	26.9	35.2	70	9	27	30	30	88	71	77	0.147	0.167	0.172	2.09	0.73	6.1	7.1	5.5	6.3
February	28.833	29.250	28.390	34.5	45.6	44.9	52.6	31.8	42.2	78	15	30	30	31	83	56	60	.170	.177	.183	.19	.14	5.9	6.6	4.8	5.7
March	28.632	29.320	27.920	41.9	56.4	54.8	61.7	38.5	50.1	78	7	32	30	31	69	39	43	.208	.189	.198	4.20	2.21	4.7	4.8	4.8	4.9
April	28.500	28.820	28.040	48.0	62.5	61.7	67.9	44.4	56.2	88	26	37	37	37	68	42	43	.233	.231	.231	2.11	1.83	4.5	5.1	4.4	4.4
May	28.650	28.940	28.350	62.1	73.9	72.9	77.7	59.5	68.6	95	46	58	59	60	88	63	67	.499	.514	.535	8.66	4.91	5.7	5.8	5.6	5.9
June	28.720	28.890	28.450	68.1	81.2	80.3	84.3	65.0	74.6	96	56	62	64	63	83	57	56	.571	.600	.571	2.08	.79	4.2	3.9	2.1	3.7
July	28.738	28.900	28.460	72.2	86.2	86.0	90.6	69.5	80.0	100	63	67	66	66	83	52	53	.654	.636	.647	4.02	1.29	5.3	4.7	3.5	4.6
August	28.732	28.950	28.398	68.2	80.5	78.2	84.8	65.8	75.3	96	56	64	65	66	88	61	63	.610	.625	.645	4.86	1.07	6.2	5.8	4.5	5.6
September	28.712	29.110	28.350	65.3	80.5	76.0	83.7	62.9	73.8	95	37	61	61	62	88	54	64	.559	.560	.586	3.60	2.20	4.7	4.6	2.3	3.7
October	28.747	29.070	28.364	56.6	70.3	65.4	73.5	54.3	63.9	89	38	51	53	52	83	57	65	.396	.415	.401	7.38	2.62	4.4	4.5	3.1	3.9
November	28.881	29.380	28.470	39.3	50.1	46.0	54.0	36.5	45.2	74	18	35	37	37	85	61	72	.222	.238	.238	2.04	1.80	4.6	5.4	3.2	4.7
December	28.700	29.160	28.140	34.1	46.0	42.8	50.5	31.2	40.8	70	12	28	28	30	77	53	61	.150	.162	.168	1.37	1.04	4.9	5.2	3.7	4.4
Year	28.730	29.380	27.920	51.7	64.4	62.2	68.7	48.9	58.8	100	7	46	47	47	82	56	61	.366	.376	.381	42.60	4.91	5.0	5.3	4.0	4.8

Annual meteorological summary for the year ending December 31, 1920—Continued.

NORTHFIELD, VT.

[H_b=876 ft.; h_t=12 ft.; h_r=3 ft.; h_a=60 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	6.7	N.	26	SW.	0	25	2	0	0	22	10	0	3	0	6	11	14	18	9	19	18	0	0	28	0	31	0	0
February	8.1	S.	28	N.	0	19	2	0	2	22	7	1	5	0	1	6	22	15	6	23	15	0	0	22	0	29	0	0
March	9.7	S.	36	SW.	0	16	3	1	1	31	4	1	5	0	10	6	15	11	7	14	8	0	0	9	0	28	0	3
April	8.7	S.	36	SW.	0	18	1	0	0	24	11	0	6	0	5	3	22	15	15	8	4	0	1	2	0	26	1	3
May	6.3	S.	32	SW.	0	21	6	0	2	27	2	0	4	0	9	8	14	9	5	0	0	0	1	0	0	11	1	1
June	5.1	S.	23	N.	0	16	8	4	0	28	0	1	3	0	2	13	15	16	12	0	0	0	1	0	0	0	6	0
July	6.3	S.	25	SE.	0	13	5	2	1	32	5	0	3	1	1	16	14	20	12	0	0	0	0	0	0	0	10	0
August	4.6	S.	24	S.	0	14	7	1	0	34	5	1	0	0	6	17	8	12	9	0	0	0	6	0	0	0	7	2
September	5.5	S.	29	N.	0	21	4	2	0	23	6	0	4	0	7	9	14	13	10	0	0	0	10	0	0	2	3	2
October	6.1	S.	27	N.	0	14	2	0	0	35	7	1	3	0	11	7	13	8	5	1	0	0	7	0	0	7	2	1
November	5.9	S.	29	SW.	0	14	4	0	0	24	9	1	6	2	0	2	28	13	10	14	8	0	0	7	0	26	0	0
December	6.5	S.	30	SW.	0	17	5	0	1	25	7	0	7	0	1	3	27	15	11	21	12	0	0	17	0	29	1	0
Year	6.6	S.	36	SW.	0	208	49	10	7	327	73	6	49	3	59	101	206	165	111	100	65	0	26	85	0	189	31	12

NORTH HEAD, WASH.

[H_b=211 ft.; h_t=11 ft.; h_r=3 ft.; h_a=56 ft.]

Month.	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.
January	14.1	SE.	74	S.	5	8	5	8	17	12	1	0	11	0	9	2	20	16	13	1	0	0	6	0	0	4	0	0
February	9.6	N.	48	NW.	4	12	0	13	8	1	3	3	17	1	15	6	8	5	3	0	0	1	1	0	0	0	0	0
March	20.1	S.	72	NW.	14	6	0	6	9	14	3	7	17	0	5	15	11	24	17	2	0	1	0	0	0	0	0	0
April	16.4	NW.	64	NW.	10	4	2	5	3	4	2	7	33	0	6	16	8	20	12	1	0	0	2	0	0	0	0	0
May	15.8	NW.	50	SW.	6	9	0	2	4	3	5	9	30	0	6	20	5	12	10	0	0	1	0	0	0	0	0	0
June	16.6	NW.	60	SE.	7	12	1	1	9	8	2	4	23	0	5	13	12	12	8	0	0	0	2	0	0	0	0	0
July	11.8	NW.	38	NW.	0	9	0	1	1	5	8	9	28	1	4	17	10	8	3	0	0	0	2	0	0	0	2	0
August	15.5	NW.	74	SE.	3	17	0	1	4	6	0	5	28	1	11	15	5	8	3	0	0	0	10	0	0	0	1	0
September	17.4	S.	74	SE.	10	3	0	4	13	21	3	4	12	0	3	8	19	20	17	0	0	0	2	0	0	0	0	0
October	16.3	SE.	70	S.	10	3	3	7	16	14	3	5	10	1	5	10	16	22	21	0	0	1	3	0	0	0	1	0
November	18.5	SE.	68	S.	10	6	0	21	17	7	3	4	2	0	9	2	19	15	14	0	0	0	1	0	0	0	0	0
December	23.7	SE.	73	S.	18	0	0	12	14	14	9	6	7	0	0	3	28	29	27	1	0	0	0	0	0	0	0	0
Year	16.3	NW.	74	S.	97	89	11	81	115	109	42	63	218	4	78	127	161	191	148	5	0	4	29	0	0	4	4	0

NORTH PLATTE, NEBR.

[H_b=2,821 ft.; h_t=11 ft.; h_r=3 ft.; h_a=51 ft.]

Month.	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.
January	6.7	W.	32	N.	0	11	8	1	10	5	7	17	3	0	14	6	11	1	1	6	1	0	1	8	0	31	0	0
February	7.4	NW.	26	NW.	0	13	10	0	2	1	7	12	13	0	11	8	10	3	2	6	3	0	1	9	0	29	0	0
March	10.0	NW.	52	N.	1	10	6	3	5	4	8	12	14	0	19	5	7	5	3	6	4	0	0	3	0	26	1	2
April	10.8	N.	40	NE.	1	12	11	5	8	4	4	6	10	0	12	4	14	15	10	8	8	0	0	1	0	20	1	0
May	8.2	SE.	38	SW.	0	7	5	14	17	10	2	2	5	0	7	8	16	12	8	0	0	1	0	0	0	0	6	0
June	6.9	E.	31	N.	0	8	3	13	10	10	5	5	6	0	15	8	7	11	10	0	0	0	0	0	7	0	7	0
July	5.8	S.	30	W.	0	5	7	7	14	10	5	7	5	2	26	4	1	12	8	0	0	0	0	0	17	0	12	0
August	5.7	SE.	37	N.	0	5	4	15	18	5	3	3	6	3	20	7	4	9	6	0	0	0	2	0	2	0	7	0
September	5.5	W.	24	S.	0	6	4	3	12	12	6	12	2	3	14	13	3	4	2	0	0	2	1	0	7	0	5	0
October	7.7	S.	29	NE.	0	6	5	3	16	9	5	15	3	0	20	7	4	5	3	1	1	0	0	0	0	6	1	0
November	7.0	W.	32	N.	0	10	2	4	7	3	6	14	12	2	11	9	10	3	0	2	0	0	1	4	0	27	0	0
December	7.3	W.	31	N.	0	6	3	1	6	5	4	26	9	2	11	9	11	4	3	6	4	0	0	9	0	31	0	0
Year	7.4	W.	52	N.	2	99	68	69	125	78	62	131	88	12	180	88	98	84	56	35	21	3	6	34	33	170	40	2

OKLAHOMA CITY, OKLA.

[H_b=1,214 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

Month.	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.
January	12.8	N.	39	N.	0	18	5	2	5	21	6	1	4	0	8	8	15	9	7	7	4	0	1	4	0	26	0	0
February	13.4	N.	45	N.	1	24	4	0	8	13	5	2	7	0	8	10	11	4	2	1	0	0	0	0	0	13	0	0
March	18.8	S.	53	W.	10	10	2	1	3	34	4	3	5	0	14	8	9	9	7	2	1	2	1	3	0	8	8	0
April	17.1	S.	54	W.	7	14	3	5	3	20	5	3	7	0	12	15	3	6	5	1	0	2	0	0	0	4	3	0
May	11.9	S.	36	S.	0	12	7	6	5	22	3	2	5	0	9	10	12	11	8	0	0	2	2	0	2	0	8	0
June	12.5	S.	33	N.	0	7	3	4	6	35	3	0	2	0	17	8	5	9	8	0	0	0	1	0	8	0	7	0
July	9.4	S.	33	N.	0	2	13	7	10	27	0	2	1	0	11	15	5	7	6	0	0	0	0	0	17	0	8	0
August	9.1	S.	37	NE.	0	11	5	5	5	32	4	0	0	0	9	11	11	12	12	0	0	0	0	0	7	0	9	0
September	10.7	S.	34	S.	0	10	6	4	9	26	4	0	1	0	14	13	3	7	6	0	0	0	1	0	5	0	6	0
October	14.3	S.	39	S.	0	4	5	1	11	33	3	1	4	0	17	6	8	9	8	0	0	0	0	0	0	0	6	0
November	13.3	S.	37	S.	0	18	0	2	6	20	1	4	8	1	14	7	9	7	4	2	1	0	3	2	0	8	0	0
December	15.5	S.	44	NW.	1	15	0	5	5	25	3	3	6	0	12	13	6	4	4	2	0	0	3	4	0	14	1	0
Year	13.2	S.	54	W.	19	145	53	42	71	308	41	21	50	1	145	124	97	94	77	15	6	6	12	13	39	73	56	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

OMAHA, NEBR.

[ϕ=41° 16′ N.; λ=95° 56′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.032	29.540	28.440	19.8	24.8	25.7	30.4	15.9	23.2	53	4	15	16	19	81	66	73	0.088	0.091	0.105	0.28	0.21	3.5	6.4	4.8	6.1
February	28.929	29.360	28.410	25.7	30.2	30.7	35.6	22.2	28.9	50	−3	21	22	24	80	70	75	.120	.125	.136	.83	.62	6.2	6.9	6.4	7.2
March	28.652	29.320	27.800	33.9	45.4	45.5	52.7	30.6	41.6	79	−1	26	28	28	72	53	54	.153	.166	.167	.47	.28	3.7	4.7	3.1	4.6
April	28.650	29.020	28.110	38.1	45.7	47.9	52.2	36.1	44.2	72	20	33	35	34	81	67	61	.195	.216	.212	3.39	1.00	6.8	7.4	6.0	7.1
May	28.829	29.213	28.470	56.1	66.3	65.4	70.4	53.0	61.7	85	41	50	56	55	81	71	71	.376	.417	.445	2.55	.78	6.7	6.8	5.0	6.3
June	28.787	29.090	28.380	67.0	80.0	77.4	82.3	63.9	73.1	96	50	59	61	61	76	57	58	.515	.543	.564	2.62	1.09	4.9	4.6	4.3	5.0
July	28.840	29.060	28.520	70.0	80.9	82.4	86.1	66.8	76.4	98	56	61	64	63	75	57	54	.548	.594	.592	3.91	1.17	4.4	3.6	1.9	3.8
August	28.854	29.090	28.470	65.3	78.0	77.2	82.3	62.9	72.6	92	54	58	58	60	78	53	57	.485	.501	.519	2.78	1.19	4.0	3.9	3.9	4.2
September	28.795	29.200	28.290	60.9	75.4	73.0	79.6	58.1	68.8	94	34	55	55	57	81	51	58	.446	.454	.483	1.03	.42	3.6	4.0	2.9	3.7
October	28.824	29.270	28.410	52.0	66.5	63.8	71.0	51.0	61.0	88	31	44	46	46	76	50	53	.316	.344	.331	2.87	2.03	3.2	3.8	3.2	3.4
November	28.949	29.540	28.450	33.0	39.2	38.7	44.4	30.0	37.2	68	14	29	29	30	83	68	72	.166	.171	.179	1.47	.62	6.3	6.4	5.6	6.4
December	28.756	29.230	28.110	24.6	31.6	30.8	35.8	21.6	28.7	55	−8	20	22	23	81	70	73	.116	.130	.133	.81	.77	4.2	5.8	3.6	5.2
Year	28.825	29.540	27.800	45.5	55.3	54.9	60.2	42.7	51.4	98	−8	39	41	42	79	61	63	.294	.313	.323	23.01	2.03	4.8	5.4	4.2	5.2

OSWEGO, N. Y.

[ϕ=43° 29′ N.; λ=76° 35′ W.]

January	29.798	30.650	28.980	12.5	15.1	15.1	22.2	4.9	13.6	37	−18	10	12	12	90	88	88	0.077	0.080	0.077	1.84	0.36	9.3	9.3	8.2	9.3
February	29.614	30.570	29.100	19.1	22.3	23.9	28.7	13.5	21.1	47	−15	16	18	20	88	82	83	.092	.099	.108	1.21	.54	9.4	8.5	8.3	8.5
March	29.564	30.020	28.910	30.5	35.5	34.7	41.8	25.0	33.4	66	−2	25	27	27	80	72	75	.144	.156	.157	2.44	.69	6.6	6.2	6.0	6.0
April	29.429	29.870	28.910	39.0	41.5	41.1	46.3	33.6	40.0	70	23	33	34	34	78	75	76	.193	.205	.197	2.56	.55	6.4	7.1	6.9	6.4
May	29.694	30.133	29.420	50.8	54.3	53.4	59.5	44.1	51.8	84	34	41	41	41	72	62	63	.273	.267	.269	.18	.10	5.1	4.8	5.3	4.6
June	29.595	29.990	29.220	60.1	63.6	61.9	69.8	52.2	61.0	87	43	53	54	52	76	72	71	.414	.424	.398	1.52	.60	5.5	5.9	7.4	5.7
July	29.579	29.831	29.110	63.8	68.7	66.0	73.3	57.9	65.6	86	50	57	56	57	79	66	74	.470	.458	.473	4.50	1.48	5.1	5.3	7.0	5.5
August	29.681	29.958	29.270	66.6	72.1	69.8	75.6	62.1	68.8	82	51	60	60	60	81	68	72	.538	.535	.530	1.95	.96	6.9	6.4	6.6	6.0
September	29.628	29.920	29.040	59.4	66.9	63.6	70.3	55.9	63.1	84	42	53	54	55	82	65	74	.418	.438	.446	4.31	1.55	4.7	3.5	4.6	4.1
October	29.688	30.000	28.990	52.7	59.2	56.9	63.2	47.9	55.6	77	35	47	49	48	81	71	73	.327	.355	.346	1.61	1.02	5.6	5.8	3.8	5.3
November	29.722	30.190	29.002	36.5	39.0	38.0	42.6	33.2	37.9	60	23	32	32	32	84	76	79	.184	.184	.182	5.69	1.86	9.5	8.8	8.3	8.8
December	29.545	30.140	28.880	29.5	31.6	30.9	36.1	25.0	30.6	52	−1	26	26	26	86	79	84	.145	.143	.146	4.50	1.16	8.9	8.5	8.3	8.8
Year	29.628	30.650	28.880	43.4	47.5	46.3	52.4	37.9	45.2	87	−18	38	39	39	81	73	76	.273	.279	.277	32.31	1.86	6.9	6.7	6.7	6.6

PALESTINE, TEX.

[ϕ=31° 45′ N.; λ=95° 40′ W.]

January	29.671	29.960	29.260	40.6	47.0	47.3	53.4	38.6	46.0	77	29	37	37	39	87	72	75	0.235	0.236	0.249	7.10	3.37	8.1	7.2	5.8	7.2
February	29.585	29.940	29.200	46.3	55.3	55.5	60.7	44.3	52.5	76	29	42	45	43	84	69	66	.273	.309	.300	1.02	.65	6.8	7.6	5.4	6.6
March	29.466	30.090	28.880	49.5	61.9	62.9	67.6	47.9	57.8	81	23	41	43	44	74	53	53	.291	.309	.326	1.95	.99	6.1	5.5	5.8	5.6
April	29.293	29.640	28.850	56.1	69.9	70.3	76.0	53.5	64.8	91	32	48	49	48	76	51	50	.361	.376	.373	1.16	.48	5.6	4.7	3.4	4.4
May	29.398	29.600	29.190	67.9	79.2	79.0	83.9	65.3	74.6	92	55	64	64	65	89	62	64	.610	.605	.622	2.71	1.92	7.0	6.5	6.3	6.3
June	29.463	29.630	29.215	70.9	83.6	81.8	87.5	68.0	77.8	93	62	67	64	65	87	53	58	.663	.597	.615	2.88	1.16	4.1	4.5	6.4	5.1
July	29.492	29.660	29.260	74.0	86.2	85.4	90.9	71.5	81.2	96	65	71	70	69	91	59	61	.760	.724	.720	3.71	1.63	5.5	6.0	6.1	5.9
August	29.472	29.610	29.258	71.9	82.9	78.9	87.0	70.1	78.6	92	62	70	70	70	94	66	76	.738	.730	.735	7.63	1.78	7.4	7.3	8.2	7.7
September	29.451	29.720	29.229	70.3	84.0	80.2	87.6	68.7	78.2	94	46	68	66	66	90	55	63	.696	.645	.664	3.07	2.90	5.6	4.5	2.2	4.4
October	29.532	29.790	29.230	59.2	73.0	69.5	76.5	57.7	67.1	86	40	56	56	56	91	59	65	.479	.479	.474	5.80	1.35	4.5	5.5	5.2	5.6
November	29.659	30.011	29.340	46.2	58.2	55.8	62.9	44.0	53.4	82	24	40	41	42	81	56	61	.281	.294	.291	4.64	2.56	5.4	5.5	3.7	5.0
December	29.516	29.970	29.020	43.6	53.5	53.0	60.3	40.8	50.6	78	22	37	38	38	78	60	60	.241	.256	.256	3.45	1.57	5.4	4.6	4.1	5.0
Year	29.500	30.090	28.850	58.0	69.6	68.3	74.5	55.9	65.2	96	22	53	54	54	85	60	63	.469	.463	.469	45.12	3.37	6.0	5.8	5.2	5.7

PARKERSBURG, W. VA.

[ϕ=39° 16′ N.; λ=81° 36′ W.]

January	29.574	30.030	28.850	23.9	29.0	29.3	36.4	20.3	28.4	62	1	19	21	22	82	70	75	0.110	0.118	0.128	3.83	1.21	7.5	7.9	6.2	7.5
February	29.408	29.900	29.040	28.1	34.2	33.1	38.6	25.6	32.1	60	6	23	24	26	80	68	74	.127	.138	.146	2.16	.69	8.3	7.7	7.3	7.0
March	29.390	29.850	28.690	37.9	49.2	47.8	56.0	34.5	45.2	76	14	28	30	30	67	49	53	.163	.177	.182	2.92	.98	4.8	5.3	4.2	4.6
April	29.201	29.630	28.580	46.0	53.8	52.8	59.7	41.5	50.6	85	26	35	36	38	65	54	60	.214	.237	.246	6.38	3.40	6.4	7.4	6.7	6.9
May	29.423	29.836	29.100	55.5	67.7	65.7	71.9	50.9	61.4	88	34	45	45	47	69	47	54	.316	.323	.345	1.64	1.10	4.9	5.4	5.2	5.2
June	29.379	29.716	28.890	65.2	75.0	72.1	80.0	60.4	70.2	92	48	57	59	60	77	60	68	.482	.517	.525	5.20	1.92	5.0	6.9	5.8	6.0
July	29.390	29.620	29.050	66.7	77.3	74.7	81.8	62.2	72.0	92	53	60	60	62	79	57	66	.522	.534	.562	4.56	1.20	4.9	5.8	4.3	4.5
August	29.414	29.600	29.210	67.5	76.7	73.8	81.5	64.3	72.9	88	52	63	62	66	85	63	75	.579	.577	.635	2.65	1.08	6.7	7.3	6.6	6.6
September	29.398	29.600	29.090	61.1	74.9	69.1	79.1	58.5	68.8	89	47	57	58	60	85	58	74	.470	.506	.532	3.69	1.53	4.8	4.7	3.5	4.6
October	29.515	29.800	29.010	49.5	67.7	60.2	72.3	47.2	59.8	84	32	44	48	50	83	51	69	.299	.357	.374	1.40	1.14	3.2	3.7	2.4	3.8
November	29.503	29.930	28.940	38.6	46.0	44.4	49.7	36.2	43.0	68	15	33	35	35	80	68	71	.193	.210	.213	1.82	.73	6.8	7.8	5.3	7.2
December	29.364	29.770	28.740	34.3	39.3	38.1	44.3	31.3	37.8	62	18	27	29	30	74	66	73	.151	.163	.170	1.68	.59	7.9	7.9	6.5	8.0
Year	29.413	30.030	28.580	47.9	57.6	55.1	62.6	44.4	53.5	92	1	41	42	44	77	59	66	.302	.321	.338	37.93	3.40	5.9	6.4	5.3	6.0

Annual meteorological summary for the year ending December 31, 1920—Continued.

OMAHA, NEBR.

[H_b=1,105 ft.; h_t=115 ft.; h_r=107 ft.; h_a=122 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	9.0	NW.	39	NE.	0	12	4	7	7	10	4	1	17	0	10	9	12	4	2	13	4	0	0	17	0	31	0	0
February	9.7	NW.	36	NW.	0	6	6	3	5	4	5	5	24	0	7	3	19	6	4	10	4	0	1	9	0	26	0	0
March	11.8	NW.	58	NW.	5	8	1	2	9	14	9	1	17	1	12	12	7	6	2	4	3	0	0	4	0	14	4	0
April	10.8	NW.	40	NW.	1	10	10	9	9	3	3	3	13	0	5	12	13	14	13	7	5	0	1	2	0	8	5	0
May	7.5	E.	34	NW.	0	8	6	16	13	10	1	1	6	1	6	13	12	10	9	0	0	0	0	0	0	0	10	0
June	8.4	S.	30	NW.	0	7	5	5	10	23	2	0	8	0	11	12	7	9	6	0	0	0	0	0	11	0	8	0
July	6.1	S.	39	NW.	0	13	3	4	13	12	5	2	10	0	14	14	3	9	5	0	0	0	0	0	11	0	10	0
August	5.8	SE.	37	N.	0	11	4	12	14	9	2	2	8	0	18	7	6	7	5	0	0	0	0	0	4	0	5	0
September	6.6	NW.	33	N.	0	7	4	4	15	13	3	5	9	0	15	11	4	8	6	0	0	0	1	0	2	0	4	0
October	7.0	S.	30	NW.	0	9	1	5	8	26	1	1	10	1	18	7	6	4	3	0	0	0	1	0	0	2	2	0
November	8.5	NW.	30	NW.	0	12	1	4	5	14	5	3	15	1	9	6	15	9	6	6	2	0	2	3	0	16	0	0
December	9.4	NW.	40	NW.	1	7	0	7	8	9	4	6	21	0	12	7	12	4	2	10	4	0	0	10	0	25	0	0
Year	8.4	NW.	58	NW.	7	110	45	78	116	147	44	30	158	4	137	113	116	90	63	50	22	0	6	45	28	122	48	0

OSWEGO, N. Y.

[H_b=335 ft.; h_t=76 ft.; h_r=68 ft.; h_a=91 ft.]

Month.	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.
January	14.6	* S.	40	NW.	1	5	7	2	6	16	10	2	14	0	0	2	29	20	9	26	19	0	0	25	0	31	0	0
February	13.9	S.	40	W.	1	6	9	0	2	17	6	5	13	0	1	6	22	15	8	19	15	0	0	19	0	29	0	0
March	13.3	S.	34	NW.	0	3	6	0	7	18	6	10	12	0	7	10	14	15	11	13	8	0	0	8	0	19	2	2
April	11.7	W.	34	NW.	0	7	3	1	11	5	9	15	9	0	7	10	13	16	12	9	6	0	2	1	0	9	2	0
May	7.7	W.	23	NW.	0	3	5	2	4	15	5	20	8	0	12	8	11	3	2	2	0	0	0	0	0	0	0	0
June	7.2	W.	22	SE.	0	6	2	3	7	9	8	19	6	0	11	3	16	13	9	0	0	0	5	0	0	0	1	0
July	7.8	W.	26	NE.	0	3	2	0	4	15	13	19	6	0	11	7	13	14	10	0	0	0	1	0	0	0	3	0
August	6.8	S.	26	NW.	0	2	9	4	8	20	7	5	4	3	7	11	13	9	7	0	0	0	1	0	0	0	4	0
September	9.5	S.	46	NE.	1	4	7	2	8	22	5	3	9	0	15	8	7	13	10	0	0	0	2	0	0	0	4	0
October	9.1	S.	36	NE.	0	5	3	2	3	21	15	4	8	1	11	7	13	10	7	1	1	0	3	0	0	0	1	0
November	11.7	S.	34	NW.	0	1	9	5	7	13	10	8	7	0	1	4	25	17	13	13	9	0	0	0	0	16	0	0
December	12.8	SE.	43	SW.	1	4	2	1	18	8	15	2	12	0	1	2	28	16	13	21	13	0	0	8	0	25	1	0
Year	10.5	S.	46	NE.	4	49	64	22	85	179	109	112	108	4	84	78	204	161	111	104	71	0	14	61	0	129	23	2

PALESTINE, TEX.

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

Month.	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.
January	7.4	* N.	29	S.	0	23	14	3	2	6	6	0	7	1	6	7	18	11	11	0	0	0	1	0	0	8	3	0
February	7.5	N.	25	S.	0	17	9	3	3	10	3	6	6	1	5	12	12	7	5	0	0	0	1	0	0	3	1	0
March	10.8	S.	39	SW.	0	5	8	6	7	20	8	3	5	0	12	6	13	9	6	1	1	0	0	0	0	6	4	0
April	10.1	S.	29	SW.	0	6	5	8	7	17	10	1	6	0	14	6	10	7	5	0	0	1	0	0	1	1	6	0
May	7.3	S.	29	NW.	0	8	8	5	7	20	10	2	2	0	5	11	15	10	8	0	0	0	1	0	4	0	9	0
June	6.0	S.	34	NE.	0	6	10	8	14	15	7	0	0	0	10	14	6	7	6	0	0	0	0	0	11	0	5	0
July	5.8	SW.	34	NW.	0	5	4	9	4	15	19	2	4	0	6	13	12	6	5	0	0	0	1	0	22	0	10	0
August	5.3	S.	25	NE.	0	2	11	10	7	18	8	2	3	1	1	11	19	14	11	0	0	0	0	0	11	0	11	0
September	6.4	S.	26	S.	0	7	12	4	7	15	9	3	2	1	11	17	2	6	4	0	0	0	1	0	17	0	4	0
October	7.0	SE.	26	SE.	0	2	9	12	16	14	2	2	5	0	13	2	16	11	11	0	0	0	3	0	0	0	9	0
November	6.9	N.	26	E.	0	17	3	7	6	9	5	5	8	0	12	8	10	4	3	0	0	0	0	0	0	4	1	0
December	9.1	S.	33	S.	0	7	4	8	8	13	8	5	9	0	13	8	10	8	7	0	0	0	1	0	0	5	1	0
Year	7.5	S.	39	SW.	0	105	97	83	88	172	95	31	57	4	108	115	143	100	82	1	1	1	9	0	66	27	64	0

PARKERSBURG, W. VA.

[H_b=638 ft.; h_t=77 ft.; h_r=68 ft.; h_a=82 ft.]

Month.	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.
January	7.0	* NW.	34	W.	0	4	10	2	10	2	13	8	13	0	6	4	21	12	10	14	6	0	0	8	0	30	0	0
February	7.2	NW.	28	W.	0	7	3	1	7	5	10	9	16	0	5	8	16	17	12	14	11	0	0	7	0	21	0	0
March	8.8	SE.	46	W.	1	2	1	1	22	8	12	5	11	0	13	11	7	11	9	5	3	1	0	2	0	14	1	1
April	8.4	SW.	54	SW.	3	3	8	3	11	5	14	6	10	0	5	8	17	18	11	3	2	1	0	0	0	7	7	0
May	4.7	NW.	22	SW.	0	7	10	1	13	3	6	4	18	0	10	13	8	7	5	0	0	0	0	0	0	0	4	0
June	4.6	SW.	32	NW.	0	4	6	3	9	8	16	5	9	0	10	7	13	13	11	0	0	1	0	0	4	0	11	0
July	4.6	SE.	32	NW.	0	4	6	3	14	6	12	9	8	0	15	10	6	13	12	0	0	1	0	0	2	0	12	0
August	3.8	SE.	22	SW.	0	8	4	2	18	8	6	6	9	1	7	6	18	10	9	0	0	0	1	0	0	0	7	0
September	4.0	SE.	20	SW.	0	8	4	3	17	1	11	7	9	0	14	8	8	9	7	0	0	0	0	0	0	0	5	0
October	3.8	SE.	20	W.	0	3	3	3	17	8	14	7	6	1	19	6	6	6	3	1	0	0	1	0	0	1	1	0
November	5.1	SW.	24	W.	0	6	3	5	13	6	16	6	5	0	7	5	18	11	9	3	3	0	1	0	0	7	0	0
December	7.0	SW.	35	W.	0	2	3	1	17	6	20	9	4	0	3	8	20	17	10	9	7	0	1	5	0	16	0	0
Year	5.8	SE.	54	SW.	4	58	61	28	168	66	150	81	118	2	114	94	158	144	108	49	32	4	4	22	6	96	48	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

PENSACOLA, FLA.

[ϕ=30° 25′ N.; λ=87° 13′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.123	30.423	29.730	51.9	57.7	56.3	61.8	48.2	55.0	71	26	47	50	48	84	76	76	0.359	0.391	0.369	5.51	1.77	7.1	6.5	5.7	6.8
February	30.025	30.470	29.460	48.9	54.9	53.8	59.4	45.6	52.5	70	30	43	44	44	81	67	71	.305	.310	.309	3.18	1.06	5.7	5.0	4.6	5.4
March	30.033	30.520	29.600	53.9	59.1	58.7	63.1	50.5	56.8	74	24	47	48	50	78	69	74	.372	.378	.389	1.31	.48	5.8	6.1	7.0	6.3
April	29.829	30.110	29.490	63.6	68.6	67.1	71.4	60.1	65.8	80	39	57	58	59	82	71	77	.513	.515	.525	8.63	4.03	6.5	6.4	5.9	6.4
May	29.920	30.100	29.710	71.0	76.2	74.0	79.0	66.8	72.9	88	61	66	67	67	85	75	79	.641	.667	.658	4.81	1.30	6.2	6.4	7.1	6.5
June	29.953	30.190	29.750	75.9	81.5	79.8	84.1	72.8	78.4	94	66	69	69	69	79	66	70	.702	.704	.707	4.39	1.75	4.4	4.8	5.4	4.8
July	30.005	30.190	29.820	78.4	81.9	80.3	84.9	74.3	79.6	92	68	72	72	72	82	72	75	.793	.789	.776	6.74	2.42	6.6	6.9	7.9	6.9
August	29.966	30.100	29.800	77.0	81.2	79.7	84.2	74.3	79.2	91	69	72	72	73	86	73	79	.790	.773	.803	11.56	3.58	6.4	7.5	8.3	7.5
September	29.916	30.080	29.670	75.6	81.2	78.7	84.0	73.1	78.6	91	49	71	71	70	86	72	76	.768	.762	.756	12.53	6.33	5.5	6.8	7.3	6.7
October	30.050	30.350	29.740	64.6	73.5	71.5	75.7	62.2	69.0	82	46	57	60	59	77	65	67	.489	.539	.524	2.27	1.63	4.1	4.3	4.2	4.3
November	30.087	30.381	29.650	51.4	61.0	59.1	64.0	48.5	56.2	78	31	45	50	49	80	68	70	.328	.382	.367	3.08	1.55	4.6	4.6	4.4	5.0
December	30.040	30.330	29.640	48.7	54.5	53.3	58.9	44.5	51.7	71	33	42	45	45	77	72	76	.291	.317	.319	5.58	1.77	6.3	5.6	5.5	5.8
Year	29.996	30.520	29.460	63.4	69.3	67.7	72.5	60.1	66.3	94	24	57	59	59	81	70	74	.529	.544	.542	69.59	6.33	5.8	5.9	6.1	6.0

PEORIA, ILL.

[ϕ=40° 43′ N.; λ=89° 36′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.590	30.050	28.900	14.4	23.3	21.0	26.5	10.8	18.6	40	− 9	13	17	17	93	76	84	0.079	0.096	0.095	0.93	0.60	4.7	4.9	5.3	5.2
February	29.442	29.878	28.880	22.6	30.7	28.9	35.0	20.2	27.6	54	− 5	20	22	22	89	67	76	.115	.123	.126	.27	.11	5.6	6.6	4.8	6.0
March	29.247	29.750	28.450	34.9	46.2	43.2	51.8	31.2	41.5	75	1	30	30	33	81	57	68	.179	.187	.202	5.84	2.13	4.2	4.8	4.4	4.5
April	29.160	29.590	28.580	40.1	48.4	47.1	52.7	35.8	44.2	75	14	36	35	38	84	63	71	.220	.219	.241	6.12	1.70	7.1	6.5	6.1	6.2
May	29.392	29.766	29.100	55.3	67.9	65.2	71.5	50.0	60.8	85	34	48	48	49	77	51	58	.347	.355	.364	3.03	1.62	5.0	5.0	5.8	4.5
June	29.340	29.600	28.880	66.7	80.1	77.3	83.4	60.5	72.0	96	48	59	60	59	76	52	56	.511	.540	.524	2.18	.91	4.2	4.3	3.5	2.7
July	29.352	29.553	29.000	67.3	81.9	80.2	85.7	61.5	73.6	98	53	64	62	61	79	52	54	.532	.564	.547	1.56	.51	4.4	3.7	2.7	2.6
August	29.381	29.616	29.080	64.8	79.9	75.3	83.9	60.4	72.2	94	43	59	59	60	83	52	62	.519	.516	.529	1.87	.93	4.7	3.8	3.7	3.9
September	29.350	29.612	29.092	60.2	77.3	70.3	80.3	56.7	68.5	91	38	57	56	57	88	50	64	.479	.482	.491	1.84	.74	3.8	3.6	3.7	4.0
October	29.429	29.794	29.050	50.6	68.3	61.6	71.4	49.0	60.2	86	24	46	48	49	84	52	65	.323	.359	.364	1.93	1.18	4.5	4.2	3.2	4.2
November	29.474	29.990	28.955	33.5	42.7	39.9	46.3	30.9	38.6	67	13	30	32	33	88	67	75	.181	.192	.196	1.22	.55	5.8	6.2	5.4	6.4
December	29.286	29.720	28.470	28.3	34.2	32.6	38.5	23.2	30.8	58	− 6	26	27	28	91	76	84	.154	.163	.166	1.87	1.06	6.4	6.7	5.6	6.4
Year	29.370	30.050	28.450	44.9	56.7	53.6	60.6	40.8	50.7	98	− 9	41	41	42	84	60	68	.303	.316	.320	28.66	2.13	5.1	5.0	4.5	4.7

PHILADELPHIA, PA.

[ϕ=39° 57′ N.; λ=75° 09′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.080	30.830	29.390	23.9	27.9	27.4	33.5	20.1	26.8	49	5	16	19	18	70	67	66	0.100	0.110	0.104	2.71	0.80	6.5	7.1	4.9	6.6
February	29.888	30.850	29.340	28.2	32.6	33.0	38.1	24.8	31.4	51	2	21	24	24	74	68	68	.121	.132	.131	3.67	1.64	5.1	5.8	5.1	5.9
March	29.904	30.390	29.110	39.2	47.5	45.8	53.4	34.1	43.8	74	16	29	32	32	67	58	60	.173	.195	.189	3.35	1.55	3.9	4.9	3.2	4.4
April	29.716	30.090	29.060	47.2	54.8	52.9	60.4	42.4	51.4	80	32	37	39	38	69	58	60	.232	.254	.240	3.92	.88	4.8	5.3	4.7	5.3
May	29.948	30.380	29.490	56.2	64.5	61.5	69.2	51.5	60.4	82	42	43	43	44	64	49	55	.292	.294	.304	2.15	.83	4.6	5.4	4.9	4.9
June	29.850	30.198	29.350	68.3	76.5	71.8	80.5	61.9	71.2	95	53	58	57	59	70	53	66	.492	.475	.505	6.76	2.34	5.4	5.7	6.6	5.6
July	29.874	30.109	29.460	72.1	80.1	75.9	84.0	67.1	75.6	91	56	63	63	62	73	57	64	.580	.597	.572	3.52	.81	4.4	5.3	5.3	4.9
August	29.951	30.210	29.570	70.9	77.6	74.3	80.9	67.7	74.3	88	58	66	68	68	86	74	80	.657	.706	.684	7.31	2.11	7.8	8.2	7.6	7.9
September	29.897	30.224	29.190	65.3	73.4	70.2	77.7	61.6	69.6	84	48	59	61	60	80	66	71	.508	.548	.531	3.42	2.10	4.6	5.5	4.6	5.2
October	29.992	30.260	29.290	56.9	67.1	63.4	71.2	53.6	62.4	85	41	51	54	53	81	65	70	.386	.429	.413	.64	.50	3.8	3.8	2.0	3.7
November	30.011	30.460	29.200	43.7	48.2	46.8	51.7	40.3	46.0	70	27	37	39	40	79	72	78	.228	.244	.252	4.05	2.20	7.0	7.5	6.4	7.3
December	29.871	30.412	29.240	38.1	42.5	40.1	46.2	33.4	39.8	67	20	33	35	34	81	75	80	.197	.217	.205	4.66	1.48	6.6	7.0	5.5	6.6
Year	29.915	30.850	29.060	50.8	57.7	55.3	62.2	46.5	54.4	95	2	43	44	44	74	64	68	.330	.350	.344	46.16	2.34	5.4	6.0	5.1	5.7

PHOENIX, ARIZ.

[ϕ=33° 28′ N.; λ=112° 00′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.882	29.110	28.628	44.3	60.6	59.8	65.1	41.5	53.3	79	29	38	40	42	82	49	54	0.239	0.258	0.273	1.42	1.05	2.8	4.3	4.4	3.8
February	28.849	29.040	28.600	48.9	63.9	64.6	68.5	46.8	57.6	76	39	43	45	44	82	52	50	.286	.307	.295	1.46	.55	4.4	4.7	5.2	4.6
March	28.753	29.260	28.400	46.1	65.6	68.9	72.2	44.7	58.4	83	36	38	36	36	76	36	33	.236	.221	.218	1.35	.50	2.3	3.0	3.4	2.9
April	28.664	28.910	28.385	51.3	73.6	77.4	79.5	49.7	64.6	94	42	32	30	28	49	21	16	.184	.169	.151	.00	.00	1.5	1.4	2.1	1.7
May	28.620	28.820	28.441	60.7	86.3	90.2	92.4	59.4	75.9	105	50	38	36	35	46	18	16	.242	.225	.212	.42	.42	.6	1.2	1.9	1.1
June	28.628	28.780	28.422	70.0	94.2	97.8	100.4	68.5	84.4	110	61	45	43	40	42	19	15	.307	.285	.259	T.	T.	1.5	1.5	2.3	1.5
July	28.682	28.860	28.490	75.9	98.9	104.0	106.4	74.9	90.6	114	65	56	54	50	51	24	19	.467	.433	.378	.25	.14	1.6	1.3	2.9	1.8
August	28.678	28.820	28.459	75.4	93.5	96.1	99.9	73.0	86.4	108	64	63	60	60	66	34	32	.580	.535	.523	.75	.28	2.4	.9	3.5	1.9
September	28.672	28.860	28.430	66.8	89.8	90.9	95.8	64.9	80.4	105	51	51	51	53	58	28	29	.389	.388	.416	.10	.08	.9	1.1	1.7	1.2
October	28.733	28.926	28.360	54.1	77.5	73.5	82.5	51.5	67.0	98	39	42	41	46	66	30	39	.275	.268	.320	.46	.28	2.6	2.7	2.8	2.5
November	28.864	29.050	28.560	45.2	69.6	64.7	74.6	42.6	58.6	79	33	36	38	40	72	32	41	.219	.231	.251	T.	T.	1.9	3.4	2.2	3.2
December	28.845	29.100	28.512	37.2	60.0	57.6	65.1	34.3	49.7	75	28	24	22	23	57	23	26	.125	.114	.122	T.	T.	1.8	2.9	2.8	2.5
Year	28.739	29.260	28.360	56.3	77.8	78.8	83.5	54.3	68.9	114	28	42	41	41	62	30	31	.296	.286	.285	6.21	1.05	2.0	2.4	2.9	2.4

Annual meteorological summary for the year ending December 31, 1920—Continued.

PENSACOLA, FLA.

[H_b=56 ft.; h_t=149 ft.; h_r=131 ft.; h_a=185 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	15.5	NE.	46	W.	3	11	22	5	4	9	6	1	4	0	6	9	16	13	10	0	0	0	1	0	0	1	1	0
February	13.9	N.	41	N.	1	17	10	1	5	3	5	7	10	0	12	4	13	10	8	0	0	0	0	0	0	2	1	0
March	16.1	SE.	48	S.	4	14	4	12	16	9	3	2	2	0	9	7	15	8	6	1	0	0	3	0	0	4	5	0
April	15.9	SE.	60	N.	5	7	6	3	14	8	8	8	6	0	8	9	13	8	8	0	0	2	5	0	0	0	8	0
May	13.0	SE.	64	N.	3	11	11	9	6	7	8	8	2	0	6	10	15	11	9	0	0	1	1	0	0	0	11	0
June	11.3	SW.	50	SW.	3	7	7	9	4	10	8	13	2	0	13	10	7	9	7	0	0	0	0	0	4	0	8	0
July	10.7	SW.	38	NW.	0	6	5	5	2	12	12	15	5	0	3	13	15	17	16	0	0	0	0	0	1	0	16	0
August	10.0	S.	39	S.	0	8	9	5	4	11	14	8	3	0	1	13	17	17	14	0	0	0	0	0	1	0	17	0
September	12.2	E.	62	E.	5	7	9	9	7	7	3	13	5	0	2	16	12	12	10	0	0	0	0	0	2	0	12	0
October	12.2	E.	36	SE.	0	8	16	13	9	9	2	3	2	0	13	10	8	4	4	0	0	0	0	0	0	0	1	0
November	12.8	NE.	42	SE.	1	14	13	10	4	5	4	4	6	0	15	4	11	9	7	0	0	0	3	0	0	1	0	0
December	14.4	N.	56	SW.	5	13	11	8	5	8	1	8	8	0	10	7	14	10	10	0	0	0	0	0	0	0	4	0
Year	13.2	N.	64	N.	30	123	123	89	80	98	74	90	55	0	98	112	156	128	109	1	0	3	13	0	8	8	84	0

PEORIA, ILL.

[H_b=609 ft.; h_t=11 ft.; h_r=4 ft.; h_a=45 ft.]

Month.	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.
January	8.0	N.	25	S.	0	12	10	3	9	10	3	3	12	0	15	4	12	6	3	12	6	0	0	24	0	31	0	0
February	8.0	NW.	27	SW.	0	3	9	5	4	4	5	7	21	0	9	6	14	5	3	13	1	0	2	9	0	27	0	0
March	11.3	S.	44	SW.	1	5	1	2	11	17	11	10	5	0	17	4	10	11	9	4	2	0	1	3	0	15	4	1
April	10.0	W.	39	W.	0	4	8	11	3	10	3	13	8	0	8	8	14	16	12	5	3	1	0	2	0	10	6	0
May	6.5	E.	23	NE.	0	6	12	16	3	12	2	4	6	1	11	12	8	9	8	0	0	0	0	0	0	0	5	0
June	5.8	SW.	19	SW.	0	9	8	2	2	14	17	4	3	1	20	8	2	7	4	0	0	0	0	0	8	0	6	0
July	4.9	W.	20	SW.	0	6	8	3	5	7	8	11	13	1	21	9	1	10	9	0	0	0	0	0	6	0	8	0
August	3.7	S.	17	S.	0	11	8	6	5	13	7	1	3	8	17	10	4	8	4	0	0	0	0	0	5	0	10	0
September	5.1	S.	17	SW.	0	11	1	5	4	18	5	5	7	4	14	11	5	7	7	0	0	0	0	0	2	0	6	0
October	5.4	S.	26	SW.	0	6	4	3	5	29	7	2	6	0	17	3	11	9	7	1	0	0	0	0	0	4	4	0
November	6.7	S.	22	W.	0	4	1	5	5	15	5	12	12	1	8	6	16	7	5	6	2	0	0	3	0	15	0	0
December	8.8	W.	33	W.	0	2	2	4	6	17	5	15	11	0	6	11	14	8	6	13	6	0	3	9	0	27	2	0
Year	7.0	S.	44	SW.	1	79	72	65	62	166	78	87	107	16	163	92	111	103	77	54	20	1	6	50	21	129	51	1

PHILADELPHIA, PA.

[H_b=117 ft.; h_t=123 ft.; h_r=114 ft.; h_a=190 ft.]

Month.	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.
January	12.3	NW.	37	N.	0	11	10	2	0	4	8	5	22	0	8	7	16	12	9	9	4	0	4	14	0	29	0	0
February	11.1	NW.	33	NW.	0	8	11	4	4	6	3	4	18	0	7	12	10	13	12	12	6	1	4	5	0	25	1	0
March	11.4	NW.	43	NW.	2	3	2	2	4	17	10	4	19	1	17	5	9	11	9	4	4	0	2	3	0	12	1	2
April	11.3	NW.	35	NW.	0	9	5	6	5	8	4	5	18	0	10	13	7	16	15	1	0	0	1	0	0	2	3	0
May	9.8	S.	31	N.	0	10	6	8	8	15	3	2	10	0	13	6	12	9	8	0	0	1	0	0	0	0	2	0
June	8.1	SW.	32	N.	0	13	5	2	4	5	19	6	6	0	8	12	10	13	10	0	0	0	0	0	2	0	8	0
July	8.6	S.	25	S.	0	11	0	1	6	21	9	6	7	1	7	18	6	11	11	0	0	0	0	0	4	0	10	0
August	7.9	E.	26	S.	0	9	7	13	4	12	9	2	6	0	3	6	22	18	14	0	0	0	0	0	0	0	11	0
September	8.3	S.	28	N.	0	14	3	4	7	13	5	6	8	0	11	7	12	8	6	0	0	0	0	0	0	0	2	0
October	8.3	SW.	30	NW.	0	13	3	5	2	7	15	8	9	0	17	7	7	3	3	0	0	0	2	0	0	0	1	0
November	10.6	NW.	46	NE.	1	10	9	6	1	4	8	1	21	0	6	5	19	10	6	0	0	0	0	0	0	3	0	0
December	11.0	NW.	38	S.	0	8	7	4	0	3	11	12	17	0	7	7	17	8	6	3	2	0	1	0	0	16	1	0
Year	9.9	NW.	46	NE.	3	119	68	57	45	115	104	61	161	2	114	105	147	132	109	29	16	2	14	22	6	87	40	2

PHOENIX, ARIZ.

[H_b=1,108 ft.; h_t=11 ft.; h_r=68 ft.; h_a=81 ft.]

Month.	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.
January	4.5	E.	20	E.	0	4	3	22	6	3	3	13	8	0	17	9	5	5	5	0	0	0	2	0	0	2	0	0
February	4.5	E.	20	NW.	0	3	4	17	14	1	3	14	2	0	13	9	7	9	6	0	0	0	0	0	0	0	0	0
March	5.8	E.	24	W.	0	2	1	19	5	1	3	25	6	0	19	9	3	6	3	0	0	0	0	0	0	0	0	0
April	6.6	E.	40	W.	1	2	0	20	3	2	8	22	3	0	22	8	0	0	0	0	0	0	0	0	3	0	0	0
May	5.4	E.	35	W.	0	3	1	23	4	2	2	19	8	0	26	5	0	1	1	0	0	1	0	0	19	0	1	0
June	5.9	E.	28	SE.	0	2	4	21	8	0	2	11	12	0	24	4	2	0	0	0	0	0	0	0	23	0	0	0
July	5.3	W.	37	S.	0	2	5	20	6	2	7	14	6	0	22	9	0	3	2	0	0	0	0	0	31	0	5	0
August	5.3	E.	33	NE.	0	9	3	20	2	2	3	14	9	0	24	6	1	9	7	0	0	0	0	0	31	0	11	0
September	5.2	E.	22	SE.	0	7	8	18	7	2	1	8	9	0	27	1	2	3	1	0	0	0	0	0	25	0	3	0
October	5.0	E.	26	S.	0	8	3	21	9	3	3	6	9	0	22	6	3	3	2	0	0	0	0	0	9	0	0	0
November	4.1	E.	18	S.	0	6	3	12	11	2	4	11	11	0	19	4	7	0	0	0	0	0	0	0	0	0	0	0
December	4.5	E.	24	W.	0	1	2	17	8	1	9	11	13	0	19	10	2	0	0	0	0	0	0	0	0	11	0	0
Year	5.2	E.	40	W.	1	49	37	230	83	21	48	168	96	0	254	80	32	39	27	0	0	1	2	0	146	13	20	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

PIERRE, S. DAK.

[ϕ=44° 22′ N.; λ=100° 21′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.503	29.160	27.910	13.5	17.1	21.3	28.0	10.0	19.0	52	−15	9	11	15	80	75	75	0.069	0.079	0.095	0.16	0.13	5.6	5.7	5.2	5.7
February	28.454	29.038	27.870	19.9	26.0	29.0	35.4	16.8	26.1	54	−7	15	20	23	81	77	76	.091	.114	.126	.26	.20	5.1	5.3	4.1	5.0
March	28.164	28.960	27.180	23.9	32.7	37.0	42.8	21.1	32.0	71	−15	20	25	29	85	74	75	.123	.157	.182	1.78	.72	4.5	4.3	4.5	4.5
April	28.236	28.650	27.750	31.2	38.3	44.6	46.8	29.4	38.1	65	9	28	31	35	85	74	69	.158	.178	.208	3.37	1.46	5.7	6.6	6.3	6.6
May	28.315	28.740	27.750	50.5	60.3	62.9	66.3	47.5	56.9	85	40	46	51	53	86	73	70	.319	.382	.408	5.11	1.42	6.0	6.3	5.7	6.1
June	28.274	28.600	27.980	60.2	68.8	72.0	76.2	57.1	66.6	98	42	57	60	60	88	74	69	.474	.526	.541	4.12	1.24	5.2	6.1	5.5	5.9
July	28.343	28.620	27.980	66.0	76.6	79.5	84.0	62.2	73.1	105	52	60	63	63	83	64	59	.528	.584	.582	2.81	.96	3.5	4.4	4.3	4.1
August	28.334	28.630	27.820	60.4	75.3	79.0	83.2	58.4	70.8	96	47	55	58	59	83	58	53	.441	.495	.502	2.07	1.01	1.9	2.3	2.3	2.2
September	28.255	28.824	27.660	53.5	67.4	70.3	77.4	51.6	64.5	97	31	49	53	54	85	62	61	.356	.414	.437	.98	.33	3.0	4.1	3.6	3.8
October	28.270	28.650	27.880	44.9	58.8	59.7	67.6	42.9	55.2	93	22	40	46	46	81	65	64	.254	.328	.326	1.25	.81	3.9	4.0	3.9	4.3
November	28.464	29.090	27.870	26.3	32.4	33.5	40.2	24.1	32.2	60	10	22	26	27	83	78	78	.123	.146	.155	.71	*.77	6.1	6.9	4.6	6.4
December	28.250	28.850	27.640	18.9	26.2	27.4	34.6	15.2	24.9	55	−16	12	17	19	75	67	70	.085	.108	.114	.21	.18	3.6	5.6	3.8	5.4
Year	28.322	29.160	27.180	39.1	48.3	51.4	56.9	36.4	46.6	105	−16	34	38	40	83	70	68	.252	.293	.306	22.83	1.46	4.5	5.1	4.5	5.0

PITTSBURGH, PA.

[ϕ=40° 32′ N.; λ=80° 02′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.286	29.810	28.560	21.1	25.5	25.1	32.5	16.3	24.4	52	1	16	16	17	80	67	69	0.098	0.099	0.103	2.80	1.21	8.5	7.7	5.7	7.6
February	29.119	29.680	28.690	25.6	30.1	29.8	34.9	21.6	28.2	60	4	21	20	22	80	67	70	.117	.119	.124	1.62	.49	8.7	7.6	6.0	8.0
March	29.097	29.510	28.410	36.8	45.6	45.7	52.5	32.7	42.6	73	9	28	28	28	70	53	52	.162	.169	.166	1.77	.49	6.2	5.5	4.6	5.5
April	28.920	29.385	28.370	43.6	50.4	50.2	55.6	38.4	47.0	81	22	34	36	36	71	59	61	.211	.227	.226	4.42	1.28	6.9	8.4	7.3	8.4
May	29.164	29.600	28.810	55.1	65.1	63.5	69.6	49.5	59.6	87	35	42	41	41	62	42	46	.282	.272	.275	1.03	.40	5.3	5.4	5.4	5.5
June	29.109	29.480	28.560	65.0	73.8	70.6	77.3	59.7	68.5	89	50	57	60	57	76	63	65	.474	.525	.475	6.74	2.55	6.8	6.3	5.7	6.8
July	29.118	29.340	28.780	66.9	74.9	73.5	78.7	62.0	70.4	88	51	58	60	59	75	62	63	.497	.533	.518	3.29	1.43	5.9	5.6	5.2	5.8
August	29.165	29.350	28.940	67.1	75.2	72.7	79.5	63.7	71.6	86	51	61	62	62	82	65	69	.552	.562	.555	2.53	.69	6.9	5.8	5.5	6.2
September	29.139	29.361	28.760	61.4	71.9	68.5	75.3	58.2	66.8	85	46	55	55	56	81	57	65	.447	.452	.459	3.48	1.54	4.6	5.3	3.3	5.2
October	29.236	29.460	28.760	52.2	66.1	62.1	69.6	49.7	59.6	81	34	46	46	47	81	52	59	.325	.331	.332	1.48	.75	5.2	4.2	3.6	4.5
November	29.217	29.610	28.660	39.1	44.3	43.2	47.4	37.1	42.2	67	19	33	35	34	79	70	71	.195	.210	.202	2.57	1.00	7.8	7.2	6.6	7.6
December	29.071	29.530	28.430	33.1	37.4	36.5	41.5	29.7	35.6	61	15	27	28	27	76	70	70	.152	.162	.153	1.94	.55	8.5	7.6	7.4	7.9
Year	29.137	29.810	28.370	47.2	55.0	53.4	59.5	43.2	51.4	89	1	40	41	40	76	61	63	.293	.305	.299	33.67	2.55	6.8	6.4	5.5	6.6

POCATELLO, IDAHO.

[ϕ=42° 52′ N.; λ=112° 29′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	25.610	25.920	25.250	22.4	29.2	31.1	35.7	18.3	27.0	55	−3	18	20	23	82	71	72	0.103	0.116	0.127	0.14	0.08	3.6	5.4	5.8	6.0
February	25.540	25.840	25.010	26.9	36.4	37.8	42.1	24.5	33.3	53	17	23	25	26	83	63	62	.120	.134	.138	.46	.37	3.1	4.3	4.7	4.3
March	25.318	25.766	24.860	30.3	38.0	39.2	43.4	27.9	35.6	60	16	24	21	25	76	57	56	.128	.130	.134	1.41	.54	5.8	6.8	6.0	6.8
April	25.306	25.670	24.949	34.3	43.9	45.5	49.3	31.9	40.6	63	19	27	27	28	76	54	54	.150	.147	.158	2.28	1.00	7.6	7.9	7.3	7.5
May	25.407	25.710	25.150	44.4	58.2	60.7	64.8	42.4	53.6	78	30	32	30	30	65	37	34	.186	.174	.174	1.36	.50	5.4	5.4	6.1	5.8
June	25.434	25.710	25.180	51.9	69.8	72.1	75.8	49.0	62.4	88	29	36	35	33	56	29	26	.214	.209	.197	.95	.42	4.4	4.5	5.2	4.9
July	25.521	25.680	25.240	59.7	82.1	84.7	88.1	57.0	72.6	96	46	41	41	38	52	26	22	.262	.271	.245	.33	.09	2.6	2.9	4.6	4.4
August	25.506	25.770	25.310	57.4	77.2	79.6	83.7	54.7	69.0	96	40	41	42	38	57	32	26	.270	.282	.248	2.53	1.29	3.3	2.8	3.5	3.7
September	25.457	25.800	25.050	49.9	66.7	68.0	72.4	47.7	60.0	87	37	38	38	37	65	38	36	.232	.234	.230	.92	.47	4.1	4.5	4.7	4.8
October	25.453	25.850	25.066	39.5	48.1	48.4	53.7	35.8	44.8	81	22	30	32	31	72	58	55	.170	.181	.173	2.62	.89	6.5	5.7	5.7	6.3
November	25.577	25.880	25.230	31.6	38.7	37.1	42.3	28.5	35.4	58	12	26	29	28	78	67	69	.139	.159	.152	1.29	.80	5.7	6.2	6.4	6.8
December	25.434	26.020	24.820	27.0	31.7	30.3	34.8	22.5	28.6	51	4	21	23	23	78	69	74	.113	.120	.123	1.26	.35	7.7	8.1	8.1	8.0
Year	25.464	26.020	24.820	39.6	51.7	52.9	57.1	36.7	46.9	96	−3	30	30	30	70	50	49	.174	.180	.175	15.55	1.29	5.0	5.4	5.7	5.8

POINT REYES, CALIF.

[ϕ=38° 11′ N.; λ=122° 51′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.567	29.770	29.350	....	....	52.0	57.5	45.1	51.3	78	37	....	....	45	....	....	82	....	....	0.305	0.19	0.11	....	....	3.6	4.7
February	29.525	29.740	29.170	....	....	50.5	53.7	45.9	49.8	60	42	....	....	46	....	....	87	....	....	.321	1.45	.51	....	....	4.3	5.4
March	29.467	29.890	28.900	....	....	50.2	52.8	44.5	48.6	64	37	....	....	46	....	....	86	....	....	.310	1.27	.33	....	....	3.7	4.6
April	29.463	29.680	29.130	....	....	50.0	52.0	44.9	48.4	64	40	....	....	46	....	....	88	....	....	.315	.87	.48	....	....	2.1	3.7
May	29.408	29.590	29.100	....	....	50.8	52.5	45.4	49.0	57	43	....	....	47	....	....	89	....	....	.325	T.	T.	....	....	1.6	3.6
June	29.394	29.600	29.200	....	....	54.7	57.8	49.0	53.4	78	47	....	....	51	....	....	89	....	....	.377	1.16	1.04	....	....	1.0	5.0
July	29.486	29.640	29.272	....	....	55.2	56.8	49.0	52.9	65	46	....	....	53	....	....	92	....	....	.400	.07	.07	....	....	1.4	7.6
August	29.404	29.590	29.240	....	....	55.9	58.7	50.8	54.8	64	47	....	....	54	....	....	94	....	....	.415	.06	.06	....	....	2.6	8.1
September	29.440	29.560	29.250	....	....	56.1	59.1	51.2	55.2	69	48	....	....	54	....	....	92	....	....	.415	.14	.05	....	....	2.1	6.2
October	29.470	29.670	29.130	....	....	55.8	59.0	51.2	55.1	72	46	....	....	52	....	....	90	....	....	.394	2.03	.73	....	....	2.5	4.5
November	29.534	29.750	29.250	....	....	52.7	56.2	48.9	52.6	65	44	....	....	50	....	....	90	....	....	.357	3.24	1.20	....	....	5.4	5.9
December	29.542	29.800	28.970	....	....	50.3	53.1	46.5	49.8	60	42	....	....	48	....	....	92	....	....	.332	5.64	2.03	....	....	6.0	5.8
Year	29.475	29.890	28.900	....	....	52.8	55.8	47.7	51.7	78	37	....	....	49	....	....	89	....	....	.356	16.12	2.03	....	....	3.0	5.4

* October 31–November 1.

Annual meteorological summary for the year ending December 31, 1920—Continued.

PIERRE, S. DAK.

[H_b=1,572 ft.; h_t=70 ft.; h_r=63 ft.; h_a=75 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	7.6	NW.	37	NW.	0	6	9	12	6	1	4	4	20	0	12	4	15	4	2	10	4	0	0	18	0	31	0	0
February	9.2	NW.	37	NW.	0	5	7	7	5	1	2	6	25	0	12	5	12	4	1	7	4	0	0	11	0	27	0	0
March	11.1	NW.	64	W.	3	1	2	14	5	1	5	8	26	0	14	8	9	7	4	7	4	0	0	7	0	23	0	0
April	10.6	NE.	35	NW.	0	14	15	10	3	2	0	5	11	0	8	5	17	11	11	1	1	0	0	3	0	16	0	0
May	9.9	SE.	47	NE.	1	6	11	12	21	1	1	4	6	0	10	5	16	15	13	0	0	0	0	0	0	0	6	0
June	7.2	E.	38	SE.	0	9	7	14	13	0	6	1	10	0	8	8	14	13	11	0	0	0	1	0	2	0	5	0
July	7.0	E.	42	NW.	1	4	8	20	8	4	3	4	11	0	18	5	8	10	8	0	0	0	0	0	7	0	5	0
August	8.1	E.	38	W.	0	6	4	24	16	1	2	3	6	0	23	4	4	5	4	0	0	0	0	0	6	0	3	0
September	7.4	NW.	36	NW.	0	3	8	11	7	4	5	4	18	0	16	7	7	7	5	0	0	0	2	0	7	1	4	0
October	8.6	NW.	41	NE.	2	6	7	15	7	3	6	3	15	0	16	8	7	6	3	1	1	0	0	0	3	5	1	0
November	7.9	NW.	33	NW.	0	9	5	13	6	0	3	6	18	0	8	5	17	5	3	6	1	0	0	4	0	25	0	0
December	8.7	NW.	48	NW.	1	5	2	12	8	0	7	3	24	1	10	7	14	4	1	5	4	0	0	11	0	31	0	0
Year	8.6	NW.	64	W.	8	74	85	164	105	18	44	51	190	1	155	71	140	91	66	37	19	0	3	54	25	159	24	0

PITTSBURGH, PA.

[H_b=842 ft.; h_t=353 ft.; h_r=345 ft.; h_a=410 ft.]

Month.	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.
January	13.1	SW.	46	SW.	2	4	6	5	4	3	15	5	20	0	4	8	19	14	7	18	8	0	0	12	0	30	0	0
February	13.3	NW.	40	W.	1	3	5	3	2	5	9	13	18	0	4	5	20	14	8	21	11	0	3	10	0	25	0	0
March	15.5	SW.	70	W.	6	0	2	2	13	5	17	6	16	1	10	8	13	10	9	5	4	1	0	3	0	14	2	2
April	14.3	SW.	53	SW.	6	2	6	5	7	4	16	12	8	0	2	6	22	20	15	6	4	0	0	1	0	10	5	0
May	10.5	NW.	33	NW.	0	9	6	10	4	3	9	4	17	0	13	6	12	7	5	0	0	0	0	0	0	0	1	0
June	10.0	SW.	50	N.	2	5	5	6	4	3	17	7	13	0	3	12	15	14	14	0	0	0	1	0	0	0	11	0
July	9.7	SW.	41	NW.	1	7	3	5	2	5	19	11	10	0	9	11	11	12	9	0	0	0	2	0	0	0	9	0
August	8.7	SW.	34	NW.	0	5	6	6	11	10	7	4	11	2	6	8	17	12	8	0	0	0	2	0	0	0	8	0
September	8.9	NW.	36	W.	0	8	6	4	12	1	10	6	12	1	9	11	10	10	9	0	0	0	4	0	0	0	6	0
October	8.8	SW.	31	NW.	0	6	7	3	6	0	19	13	8	0	14	6	11	6	6	1	0	0	11	0	0	0	0	0
November	11.7	SW.	38	W.	0	3	7	4	3	3	19	14	7	0	5	6	19	12	8	5	3	0	3	0	0	7	1	0
December	14.0	W.	49	W.	3	0	3	7	7	4	15	22	4	0	4	5	22	12	9	10	4	0	0	8	0	17	0	0
Year	11.5	SW.	70	W.	21	52	62	60	75	46	172	117	144	4	83	92	191	143	107	66	34	1	26	34	0	103	43	2

POCATELLO, IDAHO.

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

Month.	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.
January	6.8	W.	44	SW.	2	1	0	0	14	5	10	17	14	1	8	10	13	5	1	4	3	0	6	15	0	25	0	0
February	6.3	SE.	28	SE.	0	1	1	3	20	1	9	13	9	1	13	10	6	6	2	7	5	0	3	1	0	27	0	0
March	11.5	SW.	44	SW.	1	1	1	0	16	10	27	4	3	0	4	9	18	14	6	19	9	0	0	1	0	26	0	0
April	11.2	SW.	40	SW.	1	1	0	0	16	5	28	3	6	1	2	12	16	14	10	13	6	2	0	1	0	16	1	0
May	8.0	SW.	40	S.	1	5	0	3	20	6	17	8	2	1	6	17	8	9	6	0	0	1	0	0	0	1	3	0
June	7.6	SE.	36	SW.	0	3	1	1	17	13	11	9	5	0	11	11	8	6	4	0	0	2	0	0	0	1	7	0
July	7.9	SE.	33	S.	0	2	1	1	25	15	9	5	4	0	10	19	2	8	4	0	0	0	0	0	13	0	10	0
August	8.0	SE.	36	SW.	0	5	1	0	25	13	9	4	4	1	16	12	3	8	7	0	0	1	0	0	13	0	9	0
September	8.0	SE.	30	SW.	0	5	0	0	17	13	15	6	4	0	10	13	7	5	5	1	0	0	0	0	0	0	4	0
October	8.3	SE.	48	SW.	1	4	0	0	21	14	14	4	5	0	8	8	15	14	11	8	7	0	0	0	0	15	2	0
November	8.0	SE.	36	SW.	0	0	1	0	19	14	11	8	7	0	6	10	14	11	4	8	4	0	0	0	0	23	0	0
December	11.3	SE.	42	SW.	1	1	1	2	21	7	15	11	4	0	2	5	24	15	8	24	14	0	1	11	0	28	0	0
Year	8.8	SE.	48	SW.	7	29	7	10	231	116	175	92	67	5	96	136	134	115	68	84	48	6	10	29	26	162	36	0

POINT REYES, CALIF.

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

Month.	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.
January	13.8	SE.	67	NW.	3	5	1	4	3	4	2	1	11	0	14	9	8	5	2	0	0	0	14	0	0	0	0	0
February	13.9	NW.	50	S.	2	2	0	1	1	3	5	1	16	0	12	4	13	8	5	0	0	0	9	0	0	0	0	0
March	24.8	NW.	90	NW.	20	0	0	0	0	4	3	0	24	0	12	11	8	12	10	0	0	0	6	0	0	0	0	0
April	30.2	NW.	87	NW.	20	2	0	0	0	1	4	0	23	0	17	6	7	5	0	0	0	0	11	0	0	0	0	0
May	33.4	NW.	72	NW.	22	0	0	0	0	0	0	0	31	0	16	11	4	0	0	0	0	0	5	0	0	0	0	0
June	26.1	NW.	72	NW.	16	2	0	0	0	7	1	0	20	0	10	12	8	3	2	0	0	0	19	0	0	0	0	0
July	28.3	NW.	72	NW.	22	0	0	0	0	1	4	1	25	0	0	13	18	2	1	0	0	0	29	0	0	0	1	0
August	16.9	NW.	58	NW.	8	4	0	0	0	8	2	1	16	0	3	5	23	2	1	0	0	0	25	0	0	0	0	0
September	22.8	NW.	56	NW.	14	3	0	0	0	1	1	0	25	0	9	7	14	4	2	0	0	0	21	0	0	0	0	0
October	22.0	NW.	64	NW.	17	4	1	0	0	7	1	1	17	0	13	10	8	9	7	0	0	0	15	0	0	0	0	0
November	20.8	S.	70	S.	13	0	0	2	5	8	2	0	13	0	9	8	13	13	11	0	0	0	15	0	0	0	0	0
December	23.1	NW.	80	S.	19	2	0	1	4	5	4	1	14	0	9	10	12	18	12	0	0	0	11	0	0	0	2	0
Year	23.0	NW.	90	NW.	176	24	2	8	13	49	29	6	235	0	124	106	136	81	57	0	0	0	180	0	0	0	3	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

PORT ANGELES, WASH.

[ϕ=48° 07′ N.; λ=123° 06′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.189	30.640	29.720	....	41.0	40.1	42.8	34.6	38.7	53	23	....	38	37	....	89	90	.....	0.231	0.228	3.48	0.88	....	8.6	8.0	9.1
February	30.238	30.550	29.851	....	44.5	43.4	46.1	32.3	39.2	51	28	....	38	36	....	79	78	.....	.230	.217	.44	.42	....	5.1	4.1	5.8
March	29.884	30.400	29.380	....	46.8	45.7	49.0	34.5	41.8	56	27	....	40	38	....	77	77	.....	.244	.235	1.54	.54	....	6.6	7.4	6.9
April	30.031	30.550	29.430	....	48.0	48.3	50.8	34.9	42.8	62	30	....	39	38	....	72	70	.....	.241	.235	1.26	.35	....	4.6	5.3	5.0
May	30.087	30.330	29.610	....	52.6	52.6	55.8	38.2	47.0	66	32	....	44	43	....	72	71	.....	.285	.279	.80	.40	....	5.6	4.7	5.5
June	30.052	30.350	29.670	....	58.7	59.0	62.5	45.3	53.9	77	37	....	49	49	....	72	71	.....	.353	.349	.82	.29	....	6.1	5.4	6.5
July	30.083	30.280	29.890	....	63.5	63.6	66.9	49.6	58.2	83	42	....	53	52	....	69	67	.....	.400	.388	.68	.52	....	3.3	3.5	4.2
August	30.046	30.350	29.500	....	63.7	65.0	68.4	48.5	58.4	83	41	....	56	56	....	77	75	.....	.452	.458	1.03	.65	....	1.9	3.2	3.7
September	29.897	30.410	29.143	....	56.6	57.3	60.2	46.6	53.4	76	42	....	50	51	....	81	81	.....	.367	.371	2.21	1.07	....	5.9	6.7	6.7
October	29.967	30.450	29.400	....	51.7	50.0	52.8	41.1	47.0	56	32	....	47	46	....	86	87	.....	.326	.313	3.60	1.22	....	7.3	6.4	7.9
November	29.996	30.480	29.270	....	48.8	45.6	50.2	37.3	43.8	57	30	....	43	41	....	82	85	.....	.282	.260	2.67	.66	....	6.7	7.0	8.0
December	29.829	30.560	28.880	....	44.4	42.6	45.7	36.8	41.2	54	28	....	40	39	....	86	86	.....	.253	.236	4.73	1.44	....	9.0	8.8	9.7
Year	30.025	30.640	28.880	....	51.7	51.1	54.3	40.0	47.1	83	23	....	45	44	....	78	78	.....	.305	.297	23.35	1.44	....	5.9	5.9	6.6

PORT ARTHUR, TEX.

[ϕ=29° 52′ N.; λ=93° 55′ W.]

January	*30.119	30.380	29.736	48.5	54.2	54.0	59.4	45.7	52.6	75	32	45	46	48	89	77	81	0.328	0.342	0.358	6.96	3.87	6.8	6.9	6.8	7.4
February	30.052	30.430	29.620	52.7	60.4	58.4	64.0	50.3	57.2	76	36	49	51	51	89	72	77	.373	.392	.394	2.55	1.42	6.3	6.2	5.1	5.9
March	29.971	30.500	29.420	55.2	62.8	60.8	65.4	52.7	59.0	79	31	50	48	51	84	62	72	.406	.373	.406	2.57	1.49	6.3	6.4	6.7	6.5
April	29.780	30.140	29.440	63.3	70.8	68.4	74.2	60.3	67.2	84	36	56	56	58	79	62	71	.492	.494	.511	.97	.64	6.1	6.1	5.5	5.5
May	29.882	30.070	29.750	73.2	80.7	76.7	82.8	70.4	76.6	90	63	68	68	68	85	66	76	.695	.689	.699	5.63	2.23	5.9	5.0	6.1	5.5
June	29.936	30.110	29.730	75.8	82.4	80.9	85.4	72.0	78.7	90	67	71	69	70	84	66	71	.753	.717	.740	10.12	6.83	4.0	6.4	5.0	5.2
July	29.981	30.130	29.798	78.5	85.0	82.2	88.0	75.1	81.6	93	70	73	72	74	85	67	76	.823	.794	.838	8.60	2.78	4.9	6.8	6.3	5.9
August	29.944	30.080	29.810	77.6	83.8	80.4	86.7	74.6	80.6	90	71	73	72	73	86	69	78	.817	.787	.816	4.78	2.76	5.8	7.5	7.4	6.9
September	29.912	30.130	29.630	75.2	84.6	81.3	87.1	73.0	80.0	94	51	71	69	71	86	61	71	.766	.729	.766	3.02	1.15	3.1	4.6	3.2	4.1
October	30.014	30.260	29.690	64.2	73.9	70.8	76.2	63.3	69.8	83	45	60	60	62	88	65	76	.553	.553	.584	5.37	1.75	5.2	5.5	3.7	4.9
November	30.126	30.450	29.740	51.2	61.0	56.7	63.5	49.3	56.4	77	31	46	46	48	84	60	76	.342	.347	.367	3.37	1.36	4.0	4.2	4.2	4.0
December	30.016	30.420	29.570	49.5	57.1	54.1	60.5	46.4	53.4	71	29	45	46	48	86	68	81	.319	.337	.351	8.26	2.55	6.3	5.8	4.7	6.2
Year	29.978	30.500	29.420	63.7	71.4	68.7	74.4	61.1	67.8	94	29	59	59	60	85	66	76	.556	.546	.569	62.20	6.83	5.4	6.0	5.4	5.7

PORT HURON, MICH.

[ϕ=43° 00′ N.; λ=82° 26′ W.]

January	29.501	30.190	28.830	11.9	16.6	14.8	20.8	6.4	13.6	35	−10	9	12	10	86	79	78	0.067	0.074	0.069	1.37	0.29	7.2	5.5	5.3	6.3
February	29.324	29.980	28.740	15.5	23.2	21.1	26.5	11.9	19.2	45	−5	13	18	16	90	77	81	.082	.101	.095	.79	.17	7.7	6.4	6.5	6.8
March	29.218	29.730	28.540	29.6	39.0	36.1	44.6	25.7	35.2	68	3	24	28	29	81	66	76	.143	.168	.170	1.53	.42	4.7	5.6	5.3	5.7
April	29.107	29.635	28.580	37.4	43.2	39.0	46.1	32.1	39.1	68	18	32	32	33	79	65	79	.187	.193	.194	2.36	.55	6.4	7.3	6.8	6.7
May	29.398	29.840	29.120	49.9	57.4	51.2	60.4	42.5	51.4	83	30	40	42	42	72	58	73	.264	.276	.287	.89	.56	3.8	4.3	4.5	4.1
June	29.294	29.670	28.880	63.3	71.7	66.3	74.7	56.0	55.4	90	46	56	56	56	78	60	70	.463	.468	.456	2.19	1.31	5.2	4.3	4.8	4.6
July	29.284	29.520	28.841	64.9	71.7	67.5	75.5	57.4	66.4	88	48	58	57	58	78	62	72	.451	.478	.485	2.73	.60	4.9	5.3	4.6	5.2
August	29.361	29.610	29.070	64.4	72.1	68.0	74.4	60.4	67.4	88	47	59	59	60	85	66	78	.515	.521	.536	5.51	2.82	5.3	5.5	4.9	4.8
September	29.322	29.620	28.930	58.6	70.2	64.6	72.5	54.3	63.4	88	42	53	54	54	81	59	69	.416	.436	.432	1.82	*2.04	3.4	4.1	3.8	4.1
October	29.385	29.730	28.710	51.4	62.1	57.0	65.2	48.6	56.9	81	29	47	48	49	86	63	76	.337	.355	.365	2.77	1.21	5.7	5.3	3.6	5.2
November	29.391	29.850	28.770	35.2	40.1	37.6	42.6	32.1	37.4	58	17	32	33	32	88	75	81	.190	.191	.188	1.87	.66	7.8	8.0	6.9	7.9
December	29.191	29.750	28.350	30.5	33.3	32.1	37.2	27.2	32.2	55	3	27	28	28	87	79	83	.152	.158	.160	2.51	.99	9.3	7.7	8.3	8.4
Year	29.315	30.190	28.350	42.7	50.0	46.3	53.4	37.9	45.6	90	−10	38	39	39	83	67	76	.272	.285	.286	26.34	2.82	6.0	5.8	5.4	5.8

PORTLAND, ME.

[ϕ=43° 39′ N.; λ=70° 15′ W.]

January	30.012	30.870	29.190	10.8	17.4	15.3	22.8	6.5	14.6	41	−14	4	6	6	74	59	66	0.059	0.063	0.062	3.49	1.85	5.4	5.2	4.6	5.3
February	29.832	30.950	28.770	18.7	25.1	24.4	29.1	15.2	22.2	39	−16	13	15	16	78	66	70	.089	.095	.097	8.97	3.05	5.9	6.3	4.9	6.3
March	29.805	30.496	28.690	30.5	37.1	35.6	42.6	26.5	34.6	64	0	22	24	25	72	62	67	.132	.142	.147	5.53	2.84	4.8	4.1	4.4	4.8
April	29.691	30.150	28.990	40.1	44.8	41.0	47.6	34.9	41.2	69	24	30	32	32	68	62	72	.172	.182	.186	7.04	1.78	6.4	7.1	4.9	6.6
May	29.952	30.321	29.570	50.8	55.2	50.0	58.3	44.0	51.2	73	32	39	39	42	66	58	76	.246	.247	.272	3.23	1.89	5.4	5.3	4.4	5.2
June	29.834	30.210	29.470	61.1	65.1	61.2	70.0	53.9	62.0	92	46	51	50	51	72	62	72	.382	.373	.379	2.73	1.30	5.9	5.8	5.4	5.8
July	29.826	30.150	29.370	66.5	71.7	67.0	75.5	59.6	67.6	86	53	57	54	57	73	57	72	.475	.437	.471	3.67	.95	3.9	4.0	4.5	4.5
August	29.962	30.340	29.450	65.3	72.0	66.2	74.3	61.6	68.0	91	55	60	60	61	83	68	83	.518	.526	.535	3.83	2.39	5.5	4.6	2.8	5.7
September	29.875	30.300	29.410	58.1	64.6	59.6	68.0	54.0	61.0	87	40	53	54	54	84	70	83	.414	.427	.425	8.16	2.86	5.2	4.8	3.8	5.3
October	29.921	30.330	29.330	52.4	60.5	55.4	63.7	47.2	55.4	79	35	44	43	45	75	57	70	.301	.297	.308	1.12	.46	4.2	4.1	3.8	4.2
November	29.996	30.510	29.123	33.7	39.2	36.4	42.2	29.1	35.6	58	18	27	27	27	76	62	69	.152	.148	.155	5.87	.79	6.6	6.3	4.9	5.9
December	29.807	30.460	29.020	27.4	32.5	30.5	35.7	24.0	29.8	51	2	21	22	22	75	63	68	.118	.122	.123	6.05	1.69	6.2	5.6	4.8	6.1
Year	29.876	30.950	28.690	43.0	48.8	45.2	52.5	38.0	45.3	92	−16	35	36	36	75	62	72	.255	.255	.263	50.69	3.05	5.4	5.3	4.4	5.5

* September 30–October 1.

Annual meteorological summary for the year ending December 31, 1920—Continued.

PORT ANGELES, WASH.

[H_b=29 ft.; h_t=8 ft.; h_r=3 ft.; h_a=53 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	5.0	S.	37	W.	0	1	2	7	8	7	2	3	1	0	2	1	28	15	10	3	1	0	1	0	0	11	0	0
February	5.6	S.	33	NE.	0	0	7	12	5	0	1	2	2	0	9	6	14	3	1	0	0	0	1	0	0	20	0	0
March	6.6	S.	40	NW.	1	2	2	4	3	2	4	9	5	0	4	9	18	18	9	1	1	1	0	0	0	6	0	1
April	8.4	SW.	35	SW.	0	0	4	3	2	1	2	9	9	0	12	8	10	10	8	1	1	1	1	0	0	7	0	0
May	8.2	NW.	34	W.	0	1	1	1	0	0	1	9	18	0	8	15	8	8	5	0	0	0	0	0	0	0	0	0
June	6.3	NW.	30	NW.	0	0	4	0	1	1	1	10	13	0	6	11	13	10	7	0	0	0	1	0	0	0	0	0
July	6.6	NW.	19	NW.	0	0	1	2	0	0	1	5	22	0	15	10	6	5	3	0	0	0	0	0	0	0	2	0
August	6.1	W.	41	W.	1	1	1	4	0	0	1	9	15	0	17	9	5	4	3	0	0	0	0	0	0	0	0	0
September	4.5	S.	25	W.	0	1	3	5	2	2	6	2	9	0	9	2	19	13	11	0	0	0	3	0	0	0	0	1
October	4.6	S.	22	W.	0	1	1	5	3	4	9	6	2	0	5	3	23	18	14	0	0	0	3	0	0	0	0	1
November	5.1	S.	36	SW.	0	1	1	3	5	12	6	2	0	0	3	4	23	14	9	0	0	0	0	0	0	4	0	0
December	5.3	S.	31	W.	0	1	0	0	6	11	11	2	0	0	0	1	30	21	17	1	0	0	0	0	0	1	0	0
Year	6.0	NW.	41	W.	2	9	27	46	35	40	45	68	96	0	90	79	197	139	97	6	3	2	10	0	0	49	2	3

PORT ARTHUR, TEX.

[H_b=34 ft.; h_t=58 ft.; h_r=51 ft.; h_a=66 ft.]

Month.	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.
January	9.7	NE.	42	NE.	1	14	21	4	6	11	3	0	3	0	7	3	21	11	10	0	0	0	4	0	0	0	1	0
February	9.3	N.	35	N.	0	18	6	6	7	7	8	4	1	1	8	13	8	5	4	0	0	0	1	0	0	0	2	0
March	12.6	S.	47	NW.	1	4	6	8	13	16	6	3	6	0	9	6	16	9	8	0	0	0	1	0	0	3	2	0
April	12.3	S.	36	SW.	0	6	6	5	7	21	8	2	4	1	12	9	9	5	2	0	0	0	0	0	0	0	1	0
May	9.5	S.	48	NW.	1	8	6	3	6	20	9	6	3	1	12	12	7	8	6	0	0	0	0	0	1	0	7	0
June	7.7	SE.	31	NW.	0	4	12	13	5	14	8	4	0	0	11	13	6	11	9	0	0	0	0	0	1	0	12	0
July	7.7	SW.	28	E.	0	5	3	4	5	11	21	8	5	0	9	15	7	15	14	0	0	0	0	0	10	0	15	0
August	6.4	S.	25	W.	0	7	11	7	2	11	17	2	5	0	3	17	11	17	11	0	0	0	0	0	2	0	20	0
September	8.0	S.	35	NE.	0	6	11	6	3	13	16	0	4	1	15	13	2	6	5	0	0	0	0	0	4	0	5	0
October	9.4	E.	47	E.	1	7	7	29	11	6	0	1	1	0	15	7	9	10	10	0	0	0	0	0	0	0	5	0
November	9.0	E.	44	NW.	1	10	10	13	8	10	1	2	6	0	14	11	5	6	4	0	0	0	3	0	0	1	2	0
December	10.5	S.	34	NW.	0	10	8	8	12	8	7	2	7	0	9	6	16	12	7	0	0	0	7	0	0	2	2	0
Year	9.3	S.	48	NW.	5	99	107	106	85	148	104	34	45	4	124	125	117	115	90	0	0	0	16	0	18	6	74	0

PORT HURON, MICH.

[H_b=638 ft.; h_t=70 ft.; h_r=63 ft.; h_a=120 ft.]

Month.	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.
January	13.0	NW.	37	NW.	0	0	13	3	4	3	9	11	19	0	4	16	11	14	8	24	14	0	2	28	0	31	0	0
February	11.0	NW.	42	W.	1	2	10	5	4	4	10	4	19	0	4	10	15	13	7	18	13	0	0	24	0	29	0	0
March	15.2	SW.	50	W.	2	2	4	2	7	14	14	8	11	0	6	14	11	10	8	7	3	0	2	6	0	20	1	2
April	14.1	NE.	45	W.	5	3	16	4	3	6	10	6	12	0	4	11	15	14	10	9	6	0	1	3	0	13	2	1
May	9.9	NE.	37	W.	0	12	26	3	1	5	8	2	5	0	14	11	6	6	5	0	0	0	3	0	0	3	2	0
June	8.8	NE.	30	N.	0	6	18	4	1	5	14	5	7	0	8	19	3	8	6	0	0	1	0	0	2	0	7	0
July	9.4	SW.	30	NW.	0	7	12	3	4	9	16	6	5	0	6	20	5	12	9	0	0	1	0	0	0	0	7	0
August	8.2	NE.	35	N.	0	14	16	9	4	7	5	2	3	2	9	16	6	11	8	0	0	0	2	0	0	0	6	0
September	9.8	NW.	36	NE.	0	3	6	8	11	9	8	4	11	0	13	12	5	6	3	0	0	0	0	0	0	0	6	1
October	9.7	SW.	32	N.	0	3	4	1	6	9	22	6	11	0	13	7	11	9	7	1	0	0	6	0	0	2	5	0
November	11.0	SW.	41	W.	1	5	2	8	8	2	16	12	7	0	0	11	19	12	8	9	4	0	1	2	0	13	0	1
December	13.6	W.	48	SW.	2	0	2	5	10	7	11	16	11	0	1	8	22	15	11	14	9	0	1	11	0	18	0	0
Year	11.1	SW.	50	W.	11	57	129	55	63	80	143	82	121	2	82	155	129	130	90	82	49	2	18	74	2	129	36	5

PORTLAND, ME.

[H_b=103 ft.; h_t=82 ft.; h_r=75 ft.; h_a=117 ft.]

Month.	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.
January	8.9	NW.	31	W.	0	13	2	0	1	3	12	9	22	0	11	8	12	11	9	13	10	0	0	26	0	31	0	0
February	9.5	N.	44	E.	1	14	2	0	1	5	10	9	16	1	9	3	17	14	12	16	14	0	0	17	0	29	0	0
March	10.8	SW.	48	NW.	1	5	3	3	4	10	15	10	12	0	16	2	13	9	9	4	3	0	5	5	0	18	0	1
April	10.8	NW.	36	W.	0	5	7	2	4	11	4	13	14	0	7	7	16	14	11	4	2	0	0	0	0	7	0	0
May	8.5	S.	31	SE.	0	8	7	10	3	16	7	7	4	0	11	7	13	8	8	0	0	1	1	0	0	1	1	0
June	8.1	S.	30	NE.	0	6	5	6	2	13	13	7	8	0	10	7	13	11	8	0	0	0	2	0	1	0	0	0
July	8.2	S.	23	SW.	0	2	5	3	5	19	11	10	7	0	16	6	9	10	8	0	0	0	5	0	0	0	7	0
August	6.3	S.	26	W.	0	6	2	5	5	19	12	6	6	1	10	9	12	13	7	0	0	0	13	0	1	0	6	0
September	8.5	W.	42	SE.	1	9	5	2	2	9	13	10	10	0	11	8	11	15	11	0	0	0	4	0	0	0	3	0
October	8.8	SW.	42	SE.	1	6	0	3	0	9	18	12	13	1	16	7	8	7	3	0	0	0	2	0	0	0	0	0
November	10.1	N.	47	S.	2	16	6	1	2	4	11	12	7	1	10	5	15	14	12	10	8	0	0	2	0	21	0	0
December	9.4	W.	50	SE.	3	18	2	0	3	1	12	14	12	0	9	7	15	11	10	8	6	0	0	6	0	27	1	0
Year	9.0	W.	50	SE.	9	108	46	35	32	119	138	119	131	4	136	76	154	137	108	55	43	1	32	56	2	134	18	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

PORTLAND, OREG.

[ϕ=45° 32′ N.; λ=122° 41′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.087	30.460	29.700	36.4	41.1	42.5	44.6	34.1	39.4	57	23	33	35	36	88	79	79	0.198	0.212	0.225	4.84	3.16	6.0	6.5	6.7	5.9
February	30.065	30.360	29.610	36.0	44.2	48.3	50.0	34.4	42.2	60	30	32	33	34	85	67	60	.180	.189	.198	.16	.16	3.9	4.5	4.0	4.5
March	29.809	30.250	29.290	41.4	49.6	50.5	52.8	38.9	45.8	62	32	38	38	38	87	65	64	.228	.227	.229	3.94	1.10	6.5	7.9	8.6	8.2
April	29.899	30.370	29.280	42.7	50.9	53.5	55.8	40.7	48.2	78	35	39	39	39	88	66	62	.241	.241	.242	4.75	.94	7.4	7.7	7.4	7.3
May	29.941	30.190	29.668	45.7	60.0	63.9	65.7	44.5	55.1	87	38	41	44	44	85	57	50	.263	.294	.291	.91	.62	5.7	4.4	4.2	4.2
June	29.884	30.180	29.620	53.6	66.2	70.5	71.8	52.4	62.1	87	43	47	46	44	79	50	44	.325	.316	.305	2.11	.82	6.0	5.1	5.5	5.3
July	29.905	30.112	29.670	58.2	71.3	77.4	78.9	57.1	68.0	97	50	53	53	53	82	55	45	.401	.408	.402	1.18	.84	5.0	4.2	3.1	4.2
August	29.868	30.080	29.490	59.8	72.3	79.6	80.6	58.0	69.3	98	44	53	53	53	79	53	41	.410	.410	.402	1.25	.84	3.6	3.2	2.2	3.3
September	29.788	30.240	29.200	54.8	64.2	67.3	69.1	53.3	61.2	89	48	50	52	52	86	66	60	.366	.395	.389	4.16	.98	6.8	6.6	5.3	6.7
October	29.864	30.240	29.410	49.0	56.4	56.2	59.0	47.2	53.1	73	38	46	47	47	90	71	71	.315	.324	.325	3.71	.60	7.6	7.6	6.7	7.8
November	29.909	30.240	29.369	43.0	49.7	49.6	52.7	40.9	46.8	61	34	38	38	39	84	67	67	.234	.239	.242	5.84	1.70	5.9	7.3	6.7	7.0
December	29.799	30.400	29.020	42.9	45.6	45.5	47.7	40.5	44.1	58	31	38	39	39	83	78	79	.232	.242	.242	8.32	1.46	8.5	9.4	9.5	9.3
Year	29.901	30.460	29.020	47.0	56.0	58.7	60.7	45.2	52.9	98	23	42	43	43	85	64	60	.283	.291	.291	41.17	3.16	6.1	6.2	5.8	6.1

PROVIDENCE, R. I.

[ϕ=41° 50′ N.; λ=71° 25′ W.]

January	29.954	30.790	29.150	17.4	23.4	21.6	28.4	13.1	20.8	48	−6	12	15	14	77	69	71	0.083	0.097	0.090	2.60	0.89	5.8	6.0	4.7	6.1
February	29.772	30.820	28.930	24.2	30.2	28.1	33.1	19.6	26.4	46	−8	20	22	21	82	70	74	.115	.123	.122	4.56	1.42	6.2	5.8	5.2	6.5
March	29.777	30.388	28.708	34.7	43.4	39.0	47.5	29.1	38.3	66	9	26	29	30	70	58	70	.157	.174	.180	3.66	1.19	4.7	4.4	4.4	4.4
April	29.631	29.980	28.970	43.2	49.0	44.6	53.1	37.0	45.0	71	26	33	32	34	68	56	67	.192	.190	.199	4.70	1.13	5.4	6.3	5.2	6.6
May	29.880	30.255	29.480	53.3	59.5	53.5	63.2	45.8	54.5	77	34	42	40	43	68	54	71	.273	.263	.287	4.92	2.48	5.3	6.0	5.4	5.8
June	29.781	30.140	29.350	63.5	69.5	64.5	73.5	55.7	64.6	91	46	53	52	55	71	58	72	.410	.399	.435	6.80	2.57	5.2	5.3	6.4	6.1
July	29.798	30.080	29.350	70.1	77.2	70.3	80.5	62.3	71.4	90	53	58	58	60	67	53	71	.496	.494	.530	3.00	1.20	4.6	5.5	5.6	4.9
August	29.900	30.212	29.410	69.5	77.5	71.0	80.8	63.8	72.3	91	51	63	63	64	80	63	79	.589	.595	.601	3.17	1.32	6.7	5.6	6.1	6.0
September	29.816	30.201	29.250	62.7	70.8	64.7	73.9	56.6	65.2	89	42	56	59	58	81	68	81	.469	.510	.503	2.11	.86	4.2	5.0	4.1	4.9
October	29.883	30.220	29.220	55.7	65.8	58.1	67.9	49.2	58.6	81	36	49	51	50	78	60	76	.357	.387	.377	1.44	1.19	4.2	3.7	3.5	3.7
November	29.927	30.390	29.170	38.8	44.3	41.2	47.2	33.9	40.6	62	22	32	35	34	77	71	74	.187	.207	.201	3.69	1.45	6.9	6.7	6.2	6.9
December	29.756	30.380	29.140	32.3	37.4	34.7	40.1	28.1	34.1	55	8	27	29	28	80	70	76	.156	.166	.162	3.91	1.02	5.4	5.8	5.8	5.8
Year	29.823	30.820	28.708	47.1	54.0	49.3	57.4	41.2	49.3	91	−8	39	40	41	75	62	74	.290	.300	.307	44.56	2.57	5.4	5.5	5.2	5.6

PUEBLO, COLO.

[ϕ=38° 18′ N.; λ=104° 36′ W.]

January	25.354	25.680	24.990	27.1	42.4	40.4	48.5	21.5	35.0	71	0	19	22	22	76	50	52	0.102	0.118	0.115	0.29	0.15	4.8	6.1	4.6	5.6
February	25.301	25.640	24.900	25.9	41.9	41.9	47.7	21.9	34.8	66	9	20	21	21	80	48	46	.108	.112	.111	.39	.13	5.0	5.1	5.1	5.1
March	25.093	25.600	24.470	30.5	49.1	50.2	55.5	25.5	40.5	73	−10	15	13	14	53	26	27	.089	.078	.084	.15	.07	3.4	4.7	5.2	4.4
April	25.072	25.440	24.590	32.3	52.0	51.1	57.8	29.5	43.6	74	12	24	21	24	71	32	38	.131	.114	.132	.86	.45	4.1	5.3	7.3	5.7
May	25.219	25.580	24.830	48.2	67.2	67.6	72.6	45.7	59.2	90	33	41	37	37	78	40	40	.259	.240	.234	1.26	.56	5.3	5.5	6.2	6.1
June	25.293	25.500	25.077	57.5	77.7	76.7	82.2	54.5	68.4	95	46	46	41	41	68	31	34	.318	.269	.267	.47	.16	4.4	5.0	7.2	5.9
July	25.401	25.590	25.140	62.4	83.8	81.5	88.0	60.7	74.4	98	53	51	49	50	68	32	36	.377	.357	.362	1.62	1.16	3.8	3.8	6.9	5.0
August	25.379	25.570	25.070	58.4	77.9	76.2	82.3	57.4	69.8	91	47	52	51	50	80	41	45	.390	.381	.378	1.89	1.28	2.7	3.9	5.0	4.4
September	25.320	25.740	24.890	52.6	73.3	72.3	78.4	50.0	64.2	91	34	40	39	42	65	33	36	.258	.255	.280	1.33	.54	3.4	3.2	4.6	3.8
October	25.265	25.660	24.940	40.7	63.8	61.2	68.5	38.0	53.2	84	24	30	29	31	66	31	36	.166	.165	.174	.91	.35	3.0	3.2	4.2	3.5
November	25.379	25.720	24.900	29.7	45.6	42.9	50.0	25.6	37.8	74	12	23	24	25	76	47	51	.120	.129	.134	.28	.21	4.7	4.4	4.0	4.5
December	25.170	25.700	24.627	25.8	42.2	37.7	47.9	19.8	33.8	67	−5	16	18	18	68	40	47	.088	.100	.100	.38	.18	2.3	5.3	5.0	5.3
Year	25.270	25.740	24.470	40.9	59.7	58.3	65.0	37.5	51.2	98	−10	31	30	31	71	38	41	.200	.193	.198	9.83	1.28	3.9	4.6	5.4	4.9

RALEIGH, N. C.

[ϕ=35° 45′ N.; λ=78° 37′ W.]

January	29.796	30.300	29.190	34.3	42.6	41.3	48.6	29.4	39.0	69	10	29	32	32	80	68	72	0.180	0.202	0.200	3.28	1.34	6.5	6.0	4.6	6.5
February	29.614	30.340	29.090	33.1	42.4	41.3	47.2	30.4	38.8	65	16	30	33	33	87	70	74	.174	.202	.203	5.49	3.00	4.2	6.2	4.2	5.7
March	29.675	30.140	29.040	44.4	55.9	54.2	61.9	39.4	50.6	83	17	38	36	37	79	51	55	.259	.234	.241	3.52	1.20	4.5	4.9	3.4	5.3
April	29.472	29.830	28.910	53.7	62.7	61.6	68.1	47.4	57.8	87	30	46	44	46	76	55	61	.338	.308	.340	3.40	.77	5.5	4.8	4.4	5.3
May	29.650	30.086	29.280	59.7	69.5	66.8	73.4	53.4	63.4	86	41	49	46	50	70	46	58	.365	.333	.378	1.03	.41	5.4	6.5	5.4	5.6
June	29.611	29.958	29.180	71.3	80.6	76.6	84.9	65.4	75.2	96	57	62	60	63	74	51	65	.563	.524	.571	4.83	1.25	4.1	5.0	5.4	5.3
July	29.640	29.856	29.310	72.2	81.8	76.5	85.7	67.0	76.4	93	56	67	67	67	84	62	74	.669	.674	.676	6.00	1.73	6.1	5.5	5.8	5.8
August	29.671	29.826	29.400	71.6	80.2	75.6	83.9	67.7	75.8	92	59	68	69	69	88	71	82	.685	.720	.721	3.80	1.27	7.4	7.4	7.6	7.3
September	29.617	29.810	29.030	68.5	79.0	74.2	82.5	64.5	73.5	90	53	61	61	62	77	56	66	.549	.536	.562	2.69	1.58	5.7	5.3	4.5	5.3
October	29.749	30.000	29.400	57.3	71.4	65.7	74.4	52.7	63.6	85	35	49	48	50	74	46	58	.365	.361	.384	2.29	2.25	2.6	3.8	1.9	3.5
November	29.730	30.100	29.050	43.9	56.4	51.8	59.2	41.1	50.2	76	26	36	38	39	74	53	64	.222	.242	.251	6.72	3.92	4.5	4.3	3.7	4.7
December	29.641	30.060	29.200	38.3	48.1	45.8	51.5	35.4	43.4	67	25	32	38	37	79	72	74	.193	.243	.233	4.35	2.09	4.8	6.0	4.6	5.8
Year	29.656	30.340	28.910	54.0	64.2	61.0	68.4	49.5	59.0	96	10	47	48	49	78	58	67	.380	.383	.397	47.40	3.92	5.1	5.5	4.6	5.5

Annual meteorological summary for the year ending December 31, 1920—Continued.

PORTLAND, OREG.

[H_b=153 ft.; h_1=68 ft.; h_2=63 ft.; h_a=106 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	5.4	NW.	32	SW.	0	6	4	7	9	3	8	2	23	0	8	9	14	11	7	1	0	0	3	0	0	15	0	0
February	5.6	NW.	33	E.	0	5	3	8	13	2	2	1	24	0	13	8	8	1	1	1	0	0	1	0	0	10	0	0
March	7.3	SW.	28	SW.	0	6	3	3	2	11	21	6	10	0	3	4	24	20	18	3	2	1	2	0	0	2	0	2
April	6.0	NW.	32	W.	0	8	1	2	9	6	7	8	18	1	5	5	20	19	18	3	0	1	1	0	0	0	1	0
May	5.8	NW.	28	W.	0	9	1	2	4	9	3	8	24	2	12	15	4	9	7	0	0	0	0	0	0	0	1	0
June	5.9	NW.	20	N.	0	8	3	1	5	10	4	2	27	0	10	10	10	10	8	0	0	0	0	0	0	0	0	0
July	5.3	NW.	24	W.	0	12	0	1	5	14	3	4	23	0	12	14	5	4	4	0	0	0	0	0	1	0	3	0
August	6.6	NW.	23	NE.	0	12	1	0	2	4	4	3	36	0	18	7	6	4	3	0	0	0	0	0	4	0	0	0
September	5.7	S.	22	SW.	0	7	4	1	9	12	15	2	10	0	5	8	17	14	11	0	0	1	1	0	0	0	0	0
October	6.0	S.	25	SW.	0	1	0	3	9	17	10	4	18	0	3	5	23	21	17	0	0	2	3	0	0	0	1	0
November	6.2	SE.	32	W.	0	6	3	9	12	11	10	1	8	0	7	4	19	16	16	1	0	1	6	0	0	0	0	0
December	7.5	SE.	32	SW.	0	1	1	5	18	16	16	3	2	0	0	3	28	27	25	2	2	0	1	0	0	1	0	0
Year	6.1	NW.	33	E.	0	81	24	42	97	115	103	44	223	3	96	92	178	156	135	11	4	6	18	0	5	28	6	2

PROVIDENCE, R. I.

[H_b=160 ft.; h_1=215 ft.; h_2=211 ft.; h_a=251 ft.]

Month.	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.
January	13.3	NW.	58	NW.	5	5	8	0	1	1	4	15	28	0	8	8	15	16	13	15	13	0	1	20	0	30	0	0
February	15.1	NW.	56	NW.	5	9	8	1	2	5	6	10	17	0	5	10	14	13	12	14	11	0	3	7	0	28	1	0
March	16.5	NW.	72	NW.	8	3	1	2	5	10	13	12	16	0	16	7	8	13	10	5	3	0	2	4	0	15	1	2
April	15.3	NW.	54	NW.	6	5	7	5	6	5	7	5	20	0	5	11	14	15	11	2	1	0	1	0	0	5	2	1
May	11.0	NE.	40	NW.	1	9	10	1	5	12	11	5	9	0	9	10	12	14	10	0	0	0	0	0	0	0	2	0
June	10.7	SW.	41	SW.	2	8	7	3	3	12	15	3	9	0	7	11	12	13	12	0	0	0	1	0	2	0	4	0
July	11.0	SW.	53	NW.	2	1	1	1	7	13	17	5	17	0	10	15	6	7	6	0	0	1	0	0	1	0	2	0
August	8.3	SW.	53	NW.	1	6	4	3	6	13	21	4	5	0	8	9	14	11	8	0	0	0	0	0	1	0	6	0
September	10.9	NW.	48	S.	3	3	3	1	2	15	8	6	22	0	12	10	8	9	6	0	0	1	0	0	0	0	2	0
October	10.9	NW.	52	S.	3	5	2	3	1	8	14	13	16	0	17	8	6	5	2	0	0	0	0	0	0	0	0	0
November	13.2	NW.	49	W.	5	9	7	3	1	2	8	14	16	0	6	8	16	12	6	7	2	0	0	0	0	12	1	0
December	14.3	NW.	64	SE.	5	5	2	6	2	4	7	14	22	8	7	12	12	10	8	8	2	0	1	3	0	24	1	0
Year	12.5	NW.	72	NW.	46	68	60	29	41	100	131	106	197	0	110	119	137	138	104	51	32	2	9	34	4	114	22	3

PUEBLO, COLO.

[H_b=4,685 ft.; h_1=80 ft.; h_2=72 ft.; h_a=86 ft.]

Month.	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.
January	6.0	NW.	37	NW.	0	4	6	13	8	0	1	12	16	2	11	7	13	3	3	6	2	0	1	6	0	27	0	0
February	5.7	SE.	32	NW.	0	6	4	18	14	1	1	3	9	2	9	12	8	7	5	8	7	0	1	2	0	29	0	0
March	9.5	W.	58	W.	3	5	3	4	9	2	5	19	13	2	15	8	8	4	2	5	2	0	0	1	0	23	0	0
April	9.6	SE.	54	NW.	2	10	7	5	11	2	0	11	14	0	6	17	7	5	3	8	4	0	0	0	0	17	1	0
May	7.1	SE.	39	E.	0	10	6	10	18	1	5	6	5	1	9	9	13	10	8	1	0	1	3	0	1	0	7	0
June	6.2	SE.	39	W.	0	5	5	8	10	2	9	5	15	1	7	14	9	9	4	0	0	1	0	0	5	0	8	0
July	6.6	SE.	38	NW.	0	11	4	9	11	0	7	6	11	3	9	18	4	8	6	0	0	0	0	0	13	0	16	0
August	5.7	E.	33	W.	0	12	2	11	11	2	4	6	11	3	14	12	5	11	5	0	0	0	0	0	1	0	9	0
September	5.9	NW.	39	W.	0	7	2	12	12	2	2	4	18	1	15	12	3	6	3	0	0	0	0	0	3	0	7	0
October	6.0	NW.	29	W.	0	8	2	3	12	0	8	7	22	0	17	9	5	5	5	3	3	0	0	0	0	5	2	0
November	5.2	NW.	35	NW.	0	6	2	15	14	0	1	5	16	1	15	7	8	4	3	5	3	0	0	2	0	25	0	0
December	7.3	NW.	42	NW.	2	11	4	9	7	0	2	13	14	2	9	15	7	4	3	5	4	0	0	3	0	30	0	0
Year	6.7	NW.	58	W.	7	95	47	117	137	12	45	97	164	18	136	140	90	76	50	41	25	2	5	14	23	156	50	0

RALEIGH, N. C.

[H_b=376 ft.; h_1=103 ft.; h_2=94 ft.; h_a=110 ft.]

Month.	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.
January	9.0	NE.	32	SW.	0	7	21	1	0	3	15	7	8	0	9	6	16	12	6	2	1	0	3	4	0	20	0	0
February	8.4	NW.	28	NW.	0	8	12	3	1	7	7	5	14	1	10	6	13	10	7	3	1	0	3	2	0	19	0	0
March	9.9	SW.	38	NW.	0	4	6	7	4	9	14	8	10	0	10	11	10	10	10	T.	0	0	1	1	0	10	2	1
April	10.5	SW.	39	W.	0	5	6	5	8	6	13	9	8	0	12	7	11	13	10	0	0	0	2	0	0	1	3	0
May	7.7	NE.	26	NW.	0	3	23	10	6	7	6	4	3	0	9	12	10	5	4	0	0	0	0	0	0	0	2	0
June	7.4	SW.	35	NW.	0	6	11	4	4	6	14	8	5	2	12	9	9	12	8	0	0	0	0	0	0	9	0	10
July	7.0	SW.	29	S.	0	4	7	4	3	8	26	6	4	0	9	10	12	15	12	0	0	0	0	0	4	0	13	0
August	6.1	SW.	29	SE.	0	4	10	5	4	8	21	5	5	0	3	9	19	13	13	0	0	0	0	0	4	0	7	0
September	7.1	NE.	27	SE.	0	7	21	5	1	5	7	6	8	0	8	15	7	6	5	0	0	0	0	0	1	0	3	0
October	6.5	NE.	24	SW.	0	16	11	1	3	0	9	10	8	4	18	4	9	3	3	0	0	0	1	0	0	0	1	0
November	8.4	NE.	38	NW.	0	7	20	2	1	6	13	7	10	0	12	7	11	6	6	0	0	0	0	0	0	3	0	0
December	8.7	W.	36	W.	0	7	15	1	0	4	11	12	10	2	10	7	14	11	9	0	0	1	1	0	0	9	1	0
Year	8.1	NE.	39	W.	0	78	163	48	35	63	156	87	93	9	122	103	141	116	93	5	2	1	11	7	18	62	42	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

RAPID CITY, S. DAK.

[ϕ=44° 04′ N.; λ=103° 12′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	26.670	27.130	26.130	19.9	31.8	28.4	38.5	13.8	26.2	62	−16	11	18	17	66	58	64	0.077	0.105	0.101	0.23	0.13	4.1	5.2	4.1	6.2
February	26.663	27.040	26.170	21.1	31.7	28.9	36.7	16.9	26.8	57	− 8	12	17	17	66	55	60	.079	.098	.096	.64	.52	3.9	4.6	4.2	4.7
March	26.401	27.051	25.623	26.4	38.8	36.7	43.7	20.5	32.1	70	−14	16	21	22	64	51	56	.100	.118	.126	.57	.16	4.5	5.5	5.0	5.6
April	26.478	26.860	26.020	27.9	38.5	39.5	43.6	25.6	34.6	65	4	20	27	28	69	63	65	.111	.149	.159	4.27	1.89	7.0	7.6	6.9	7.4
May	26.586	26.970	26.180	46.9	55.9	57.3	61.4	43.1	52.2	85	32	37	42	41	69	62	59	.223	.268	.266	8.15	2.99	6.1	7.2	6.5	6.8
June	26.594	26.860	26.300	57.2	67.3	68.1	72.1	52.8	62.4	94	40	46	51	49	69	60	56	.323	.393	.365	4.13	.97	4.8	5.8	6.6	5.9
July	26.690	26.910	26.400	63.8	76.8	75.6	81.8	59.4	70.6	101	50	52	56	56	66	52	54	.388	.465	.459	1.46	.53	3.9	3.9	5.3	4.5
August	26.650	26.910	26.240	59.3	77.4	76.5	82.2	56.4	69.3	91	46	47	49	49	66	39	40	.333	.358	.360	1.30	.57	2.2	2.5	3.5	3.0
September	26.576	27.048	26.131	51.1	68.4	67.4	73.3	47.6	60.4	92	28	38	41	42	64	42	42	.242	.275	.276	.99	.43	3.9	4.7	3.8	4.5
October	26.568	26.863	26.160	42.3	59.0	54.8	63.2	38.3	50.8	89	19	29	32	32	60	40	46	.155	.182	.181	1.38	.97	5.2	4.6	5.5	5.0
November	26.694	27.200	26.201	27.7	41.2	33.6	44.5	22.5	33.5	70	0	17	24	21	61	51	57	.100	.138	.115	.42	.18	3.8	5.0	3.7	4.8
December	26.479	27.040	25.930	25.3	33.7	28.1	37.7	17.9	27.8	59	−14	14	16	14	61	52	56	.089	.098	.090	.32	.17	5.2	5.9	4.9	6.4
Year	26.587	27.200	25.623	39.1	51.7	49.6	56.6	34.6	45.6	101	−16	28	33	32	65	52	55	.186	.221	.216	23.86	2.99	4.5	5.2	5.0	5.4

READING, PA.

[ϕ=40° 20′ N.; λ=75° 58′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.850	30.600	29.180	20.7	25.1	24.0	29.0	17.1	23.0	45	3	14	17	16	74	69	69	0.089	0.099	0.092	2.74	0.88	7.1	6.9	6.1	6.8
February	29.658	30.620	29.154	25.0	30.1	30.5	35.2	21.8	28.5	52	− 2	19	20	22	75	66	69	.107	.113	.119	3.03	1.17	6.9	6.3	5.7	6.7
March	29.666	30.127	28.930	36.5	45.3	43.3	51.3	31.4	41.4	74	13	28	31	29	69	58	58	.161	.185	.173	4.51	2.41	5.2	5.3	3.4	5.1
April	29.484	29.863	28.895	44.9	52.6	49.9	57.8	39.8	48.8	80	27	34	33	36	66	50	61	.201	.198	.221	5.10	1.37	6.0	6.2	5.7	6.4
May	29.719	30.175	29.300	55.5	64.8	61.1	69.3	49.8	59.6	85	38	43	43	43	64	47	54	.289	.290	.266	1.39	.88	4.7	5.8	5.2	5.2
June	29.626	30.004	29.096	67.4	75.8	70.6	80.1	60.0	70.0	95	51	56	55	57	68	51	65	.457	.452	.484	3.35	1.35	5.6	5.8	6.3	6.0
July	29.645	29.882	29.250	70.6	79.8	74.5	83.7	63.3	73.5	90	52	60	59	60	69	49	63	.525	.508	.540	3.67	1.20	4.5	5.9	4.3	5.0
August	29.724	29.970	29.355	69.0	76.7	72.6	81.0	65.3	73.2	89	54	63	64	64	82	66	77	.503	.607	.614	4.34	1.78	7.7	8.2	7.8	7.9
September	29.673	30.008	29.008	62.3	72.2	68.0	76.9	57.6	67.2	85	41	54	54	56	76	55	68	.441	.447	.470	3.83	1.89	4.1	4.8	3.0	4.3
October	29.764	30.029	29.070	53.5	66.6	61.2	70.8	49.8	60.3	83	39	46	46	48	77	50	64	.324	.332	.360	.82	.82	3.3	3.5	2.1	3.9
November	29.781	30.248	28.990	40.5	45.6	43.7	48.7	38.0	43.4	67	24	34	33	35	77	63	73	.198	.197	.215	3.13	1.94	7.4	7.5	7.0	7.6
December	29.636	30.199	29.002	35.0	39.3	36.8	42.7	31.1	36.9	66	18	28	28	27	74	63	67	.163	.162	.153	4.75	1.74	7.2	7.5	5.6	7.0
Year	29.686	30.620	28.895	48.4	56.2	53.0	60.5	43.8	52.2	95	− 2	40	40	41	73	57	66	.296	.299	.311	40.66	2.41	5.8	6.1	5.2	6.0

RED BLUFF, CALIF.

[ϕ=40° 10′ N.; λ=122° 15′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.796	30.050	29.545	42.0	54.5	59.8	61.5	39.2	50.4	78	30	35	35	37	77	55	49	0.209	0.218	0.236	0.56	0.32	2.4	2.6	3.2	3.5
February	29.732	29.980	29.250	40.9	56.0	62.6	63.7	37.6	50.6	77	30	33	34	33	76	49	38	.193	.209	.197	1.00	.49	1.9	2.4	2.2	2.5
March	29.636	30.090	29.180	42.2	54.3	58.6	59.9	39.4	49.6	76	28	38	38	38	85	58	51	.232	.237	.237	3.89	1.63	3.2	4.6	4.7	5.1
April	29.612	29.930	29.170	47.6	64.1	69.4	70.6	45.3	58.0	90	37	38	37	35	70	44	34	.232	.236	.222	1.06	.71	2.8	2.2	2.6	2.6
May	29.548	29.760	29.254	55.9	75.0	81.8	82.6	54.6	68.6	97	44	37	35	33	54	27	20	.227	.216	.201	T.	T.	1.3	2.2	2.1	2.0
June	29.512	29.800	29.290	63.5	79.0	86.4	87.3	62.4	74.8	107	55	45	45	40	54	34	23	.308	.303	.259	.67	.52	2.3	2.3	2.8	2.7
July	29.575	29.770	29.370	64.5	84.9	93.1	93.9	62.6	78.2	107	53	49	48	44	59	31	20	.350	.351	.295	.01	.01	1.1	.8	1.0	.6
August	29.499	29.740	29.310	68.3	89.1	96.7	97.8	66.2	82.0	110	54	48	48	42	51	28	18	.344	.345	.279	.31	.31	.4	.9	1.2	1.1
September	29.548	29.770	29.310	59.5	77.3	83.3	84.1	56.9	70.5	100	44	48	50	46	68	42	28	.336	.369	.319	.04	.04	1.7	2.0	2.0	2.3
October	29.644	29.900	29.320	50.7	64.4	67.5	69.5	48.2	58.8	84	38	43	43	43	77	51	45	.284	.293	.282	1.69	.77	2.0	3.0	3.6	3.6
November	29.737	30.010	29.508	45.1	54.9	57.0	59.2	43.1	51.2	71	32	40	43	41	84	67	60	.263	.284	.273	6.79	1.54	4.1	5.2	5.8	6.2
December	29.734	30.030	29.240	41.1	47.2	49.8	51.1	38.5	44.8	63	32	38	40	41	88	76	74	.231	.245	.262	5.97	1.48	6.0	5.9	6.0	5.5
Year	29.631	30.090	29.170	51.8	66.7	72.2	73.4	49.5	61.5	110	28	41	41	39	70	47	38	.267	.276	.255	21.99	1.63	2.4	2.8	3.1	3.1

RENO, NEV.

[ϕ=39° 32′ N.; λ=119° 49′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	25.596	25.870	25.267	25.9	43.5	45.9	50.5	23.3	36.9	64	10	21	26	27	80	51	48	0.113	0.142	0.151	0.04	0.03	2.3	3.3	3.1	3.1
February	25.495	25.750	25.000	27.7	45.7	47.5	51.3	25.1	38.2	62	17	22	26	26	77	46	45	.113	.140	.142	.38	.12	2.8	3.0	3.2	3.0
March	25.361	25.780	24.910	30.7	46.4	46.9	51.3	27.4	39.4	65	19	23	24	26	72	44	48	.120	.129	.141	.57	.31	4.5	5.0	4.7	4.6
April	25.389	25.710	25.000	35.9	53.8	53.7	57.9	33.1	45.5	74	23	25	27	28	65	37	39	.134	.149	.153	1.10	.91	3.9	3.6	3.6	3.6
May	25.403	25.600	25.150	41.9	65.7	66.9	71.0	40.9	56.0	85	31	32	32	32	67	30	28	.179	.185	.180	T.	T.	2.7	3.8	4.0	3.1
June	25.422	25.630	25.200	46.7	71.5	72.1	77.0	45.5	61.2	91	34	34	36	35	64	32	28	.203	.226	.205	1.94	1.68	2.5	3.3	3.8	3.2
July	25.510	25.658	25.290	52.0	81.5	81.9	86.8	51.1	69.0	94	44	37	34	34	57	19	19	.222	.198	.200	T.	T.	.8	1.5	1.7	1.3
August	25.487	25.630	25.312	53.9	82.3	83.3	88.0	52.3	70.2	102	45	38	36	36	57	22	21	.236	.221	.215	.47	.36	.9	1.5	2.0	1.3
September	25.447	25.720	25.120	47.9	72.0	71.4	77.4	45.1	61.2	93	30	35	35	35	62	27	29	.206	.206	.209	.10	.05	2.4	2.8	3.3	2.9
October	25.448	25.710	25.070	37.4	55.5	55.2	60.0	33.1	46.6	82	26	28	31	29	69	42	39	.152	.171	.161	.42	.28	3.0	3.5	4.1	3.7
November	25.514	25.760	25.267	33.6	47.2	45.5	50.8	30.7	40.8	65	21	28	29	30	79	52	56	.151	.165	.169	.72	.33	5.1	6.0	6.0	5.7
December	25.449	25.780	24.970	29.8	39.3	37.3	43.3	24.6	34.0	58	11	25	29	28	81	67	68	.133	.159	.151	.99	.29	4.6	6.4	5.3	5.4
Year	25.460	25.870	24.910	38.6	58.7	59.6	63.8	36.0	49.9	102	10	29	30	30	69	39	39	.164	.174	.173	6.73	1.68	3.0	3.6	3.7	3.4

Annual meteorological summary for the year ending December 31, 1920—Continued.

RAPID CITY, S. DAK.

[H_b=3,234 ft.; h_t=50 ft.; h_r=43 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.	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	N.	36	N.	0	12	4	6	9	1	3	10	16	1	6	12	13	5	2	10	5	0	4	9	0	29	0	0
February	9.4	N.	38	NW.	0	13	7	3	4	0	0	8	22	1	13	7	9	5	3	7	4	0	0	12	0	26	0	0
March	10.7	NW.	46	W.	2	8	4	4	6	2	8	13	17	0	7	14	10	6	5	6	5	0	0	6	0	28	1	1
April	8.7	N.	28	N.	0	20	5	2	5	2	2	10	13	1	3	10	17	13	11	13	9	0	1	4	0	24	2	0
May	9.9	N.	38	NW.	0	12	6	5	9	9	2	12	7	0	2	13	16	14	13	1	0	1	1	0	0	0	6	0
June	7.7	N.	44	NW.	1	10	3	5	6	5	5	15	11	0	6	12	12	18	16	0	0	2	0	0	1	0	10	0
July	6.3	W.	39	N.	0	10	4	3	11	3	4	19	8	0	15	11	5	7	5	0	0	0	0	0	3	0	10	0
August	6.8	W.	28	S.	0	7	4	2	11	7	6	17	8	0	19	8	4	8	6	0	0	1	0	0	3	0	9	0
September	7.1	W.	33	NW.	0	8	2	3	7	4	2	24	10	0	13	9	8	9	6	0	0	1	0	0	2	2	5	1
October	7.8	W.	34	NW.	0	13	2	2	3	5	3	21	13	0	11	12	8	6	6	4	3	0	0	1	0	7	1	0
November	8.2	W.	36	NW.	0	13	1	0	4	3	2	24	13	0	13	6	11	3	2	3	2	0	0	5	0	22	0	0
December	9.1	W.	44	NW.	3	10	5	0	6	2	3	22	14	0	6	9	16	6	4	11	6	0	2	11	0	29	0	0
Year	8.3	W.	46	W.	6	136	47	35	81	43	40	195	152	3	114	123	129	100	79	55	34	5	8	48	9	167	44	2

READING, PA.

[H_b=325 ft.; h_t=81 ft.; h_r=73 ft.; h_a=98 ft.]

January	8.4	NW.	31	NW.	0	15	3	4	8	2	4	11	15	0	7	8	16	11	9	9	4	0	0	20	0	30	0	0
February	9.1	NW.	28	W.	0	16	4	1	11	3	3	8	12	0	6	8	15	12	10	16	9	0	2	7	0	28	0	0
March	9.0	NW.	35	N.	0	7	0	1	17	4	8	9	15	1	14	4	13	10	9	5	5	0	0	3	0	15	0	2
April	8.9	NW.	31	NW.	0	9	0	3	13	2	5	10	18	0	6	11	13	17	16	4	0	0	0	0	0	6	4	0
May	6.1	N.	28	NW.	0	11	5	6	9	11	5	3	11	1	12	6	13	8	7	0	0	0	0	0	0	0	1	0
June	5.0	SW.	28	NW.	0	13	3	5	6	4	7	14	7	1	11	2	17	12	9	0	0	0	0	0	2	0	7	0
July	6.0	SW.	31	NW.	0	11	1	0	13	6	10	6	15	0	14	8	9	11	8	0	0	2	0	0	0	0	11	0
August	5.0	SE.	37	N.	0	10	0	7	18	4	15	3	4	1	3	7	21	15	12	0	0	1	0	0	0	0	11	0
September	4.9	SE.	21	N.	0	10	1	3	13	7	7	8	9	2	16	6	8	6	6	0	0	0	2	0	0	0	1	0
October	4.9	NW.	25	N.	0	11	0	1	7	6	8	6	16	7	16	7	8	2	1	0	0	0	5	0	0	0	1	0
November	6.6	NW.	40	E.	1	8	7	3	9	3	7	7	16	0	4	5	21	11	9	2	1	0	0	0	0	4	0	0
December	8.3	NW.	33	NW.	0	7	0	2	11	1	8	15	18	0	6	6	19	10	7	7	3	0	0	2	0	20	0	0
Year	6.8	NW.	40	E.	1	128	24	36	135	53	87	100	156	13	115	78	173	125	103	43	22	3	9	32	2	103	36	2

RED BLUFF, CALIF.

[H_b=332 ft.; h_t=50 ft.; h_r=40 ft.; h_a=56 ft.]

		*																										
January	5.2	NW.	35	NW.	0	10	0	2	8	5	1	3	32	1	19	5	7	5	3	0	0	0	1	0	0	2	0	0
February	5.4	NW.	31	NW.	0	9	1	0	13	4	3	0	27	1	21	2	6	6	3	0	0	0	0	0	0	4	0	0
March	6.2	SE.	36	NW.	0	6	1	2	27	7	2	4	13	0	13	6	12	11	7	0	0	1	0	0	0	1	0	0
April	8.2	NW.	30	SE.	0	2	2	2	21	1	0	4	28	0	22	4	4	5	4	0	0	0	0	0	0	0	0	0
May	6.9	NW.	27	NW.	0	11	0	3	15	9	0	2	22	0	25	6	0	0	0	0	0	0	0	0	0	7	0	0
June	7.7	SE.	37	NW.	0	2	2	3	27	5	0	0	21	0	22	6	2	2	2	0	0	0	0	0	10	0	0	0
July	5.2	SE.	22	NW.	0	1	1	2	35	11	0	1	10	1	30	1	0	1	0	0	0	0	0	0	20	0	0	0
August	4.5	SE.	21	NW.	0	8	2	1	28	4	2	7	9	1	29	1	1	1	1	0	0	0	0	0	27	0	0	0
September	5.5	SE.	29	W.	0	4	0	2	25	8	3	5	12	1	23	6	1	1	1	0	0	0	0	0	8	0	0	0
October	6.4	N.	34	NW.	0	14	2	4	12	9	1	5	13	2	21	4	6	7	5	0	0	0	0	0	0	0	0	0
November	6.8	NW.	31	N.	0	9	4	2	13	4	4	1	22	1	8	8	14	13	13	0	0	0	0	0	0	1	0	0
December	6.0	NW.	35	SE.	0	5	0	0	17	6	0	3	31	0	11	10	10	18	16	1	0	0	0	0	0	3	0	0
Year	6.2	SE.	37	NW.	0	81	15	23	241	73	16	35	240	8	244	59	63	70	55	1	0	1	1	0	72	11	0	0

RENO, NEV.

[H_b=4,532 ft.; h_t=74 ft.; h_r=67 ft.; h_a=81 ft.]

		*																										
January	3.6	W.	26	W.	0	4	6	3	2	6	2	29	7	3	20	7	4	2	0	2	1	0	0	1	0	29	0	0
February	4.8	W.	37	W.	0	2	11	9	6	2	4	23	1	0	19	5	5	7	6	5	4	0	0	0	0	25	1	0
March	8.2	W.	37	W.	0	11	3	3	5	6	2	27	4	1	13	11	7	9	4	12	5	0	0	0	0	26	0	0
April	9.6	W.	46	SW.	2	9	5	1	2	2	4	31	6	0	16	11	3	3	3	3	3	0	0	0	0	19	0	0
May	7.3	W.	33	W.	0	4	3	1	3	2	7	35	7	0	20	7	4	0	0	0	0	0	0	0	0	1	1	0
June	7.6	W.	34	W.	0	2	2	0	2	2	7	41	4	0	19	5	6	3	3	0	0	0	0	0	2	0	2	0
July	7.6	W.	36	W.	0	1	1	1	0	2	8	46	1	2	26	5	0	0	0	0	0	0	0	0	11	0	0	0
August	5.9	W.	30	W.	0	1	6	1	7	4	8	33	2	0	26	2	3	3	2	0	0	0	0	0	17	0	2	0
September	7.1	W.	44	W.	1	1	0	3	2	5	8	39	2	0	20	7	3	3	1	0	0	0	0	0	2	2	4	0
October	6.5	W.	44	W.	1	8	3	3	2	3	4	30	7	2	17	8	6	5	3	4	3	0	0	0	0	18	0	0
November	5.3	W.	48	SE.	2	4	5	4	7	3	6	25	4	2	7	11	12	6	6	4	2	0	0	0	0	20	0	0
December	6.2	W.	42	W.	1	7	6	2	7	10	2	24	4	0	10	10	11	10	6	11	7	0	0	0	0	27	0	0
Year	6.6	W.	48	SE.	7	54	51	31	45	47	62	383	49	10	213	89	64	51	34	41	25	0	0	1	32	167	10	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

RICHMOND, VA.

[ϕ=37° 32′ N.; λ=77° 27′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.064	30.710	29.400	29.6	38.2	34.9	43.0	25.5	34.2	68	10	22	24	25	73	58	64	0.138	0.147	0.139	2.02	0.88	6.2	6.3	5.0	6.2
February	29.873	30.710	29.360	30.0	38.8	37.7	44.1	26.9	35.5	58	14	25	28	29	80	66	72	.141	.161	.169	6.67	3.30	5.8	7.3	4.9	6.4
March	29.912	30.369	29.190	42.0	54.2	51.1	60.1	36.4	48.2	79	16	36	37	38	80	56	64	.237	.240	.248	3.11	1.32	4.7	5.5	3.8	4.6
April	29.710	30.090	29.080	52.2	60.6	57.5	65.8	44.6	55.2	86	31	43	40	45	73	50	66	.298	.267	.317	2.96	.86	5.4	6.1	4.9	5.9
May	29.923	30.370	29.510	57.3	67.5	62.8	71.3	50.4	60.8	85	39	50	47	49	79	51	62	.374	.341	.359	3.06	1.76	6.1	6.6	5.6	6.0
June	29.851	30.220	29.340	70.0	79.2	73.2	82.7	62.2	72.4	95	53	63	63	63	79	60	73	.581	.598	.590	6.34	2.96	5.1	7.0	5.9	5.9
July	29.878	30.111	29.520	72.1	82.4	75.3	85.2	65.6	75.4	94	56	66	66	67	81	58	76	.643	.653	.672	6.05	2.64	4.6	6.6	5.8	5.8
August	29.917	30.078	29.650	71.6	80.0	73.6	82.8	67.5	75.2	92	57	68	68	68	89	68	84	.693	.688	.699	8.69	2.41	7.5	7.9	7.8	7.8
September	29.876	30.142	29.290	67.0	77.6	70.6	80.2	61.8	71.0	89	51	61	61	63	83	58	77	.557	.548	.585	2.71	1.35	4.9	5.9	3.7	4.9
October	29.994	30.230	29.587	54.3	70.8	61.8	74.0	50.1	62.0	86	34	50	53	54	84	54	75	.367	.418	.436	.66	.66	3.1	3.8	2.6	3.3
November	29.987	30.400	29.210	42.1	53.1	48.2	56.3	38.2	47.2	75	21	37	40	41	83	64	78	.232	.261	.272	6.69	2.69	5.5	5.6	5.0	5.9
December	29.874	30.390	29.330	36.1	45.7	41.9	48.9	33.1	41.0	67	21	32	36	35	84	71	76	.185	.221	.205	1.87	.63	4.8	6.2	4.4	5.6
Year	29.905	30.710	29.080	52.0	62.3	57.4	66.2	46.9	56.5	95	10	46	47	48	81	60	72	.370	.379	.391	50.83	3.30	5.3	6.2	5.0	5.7

ROCHESTER, N. Y.

[ϕ=43° 08′ N.; λ=77° 42′ W.]

January	29.608	30.400	28.860	15.0	17.1	15.8	23.6	8.6	16.1	38	−9	10	9	8	76	69	71	0.072	0.070	0.067	3.24	0.73	9.5	7.9	6.9	8.0
February	29.428	30.310	28.950	19.3	23.6	23.1	28.6	14.9	21.8	49	−7	14	15	16	76	67	70	.084	.087	.091	1.82	.65	8.3	7.9	6.1	7.4
March	29.374	29.820	28.770	32.8	39.5	37.0	45.4	26.8	36.1	74	7	24	24	24	70	56	62	.143	.145	.141	2.16	.65	5.8	6.4	5.3	6.0
April	29.245	29.701	28.750	39.9	45.7	42.7	50.7	33.8	42.2	75	20	30	31	32	68	58	67	.175	.180	.188	2.55	.66	5.5	7.7	6.1	7.2
May	29.513	29.952	29.233	53.0	60.6	58.0	65.3	46.2	55.8	86	33	41	41	42	64	50	57	.267	.277	.283	.78	.50	4.4	5.4	4.8	4.7
June	29.421	29.802	29.069	63.8	70.9	67.5	75.1	56.3	65.7	88	45	53	52	52	68	53	60	.405	.396	.401	1.15	.46	5.2	5.9	6.2	6.3
July	29.409	29.653	28.950	66.0	72.6	69.2	76.7	58.8	67.8	88	49	56	54	55	70	55	63	.458	.437	.449	2.93	.62	4.5	6.9	6.0	6.4
August	29.505	29.769	29.124	66.8	75.7	70.7	78.5	62.1	70.3	88	50	59	58	59	76	56	67	.506	.491	.509	1.51	.59	6.7	7.3	6.2	6.4
September	29.454	29.740	28.950	59.9	70.5	64.5	74.1	54.9	64.5	88	38	53	51	53	78	52	67	.411	.393	.418	3.30	1.88	4.3	3.4	4.3	4.1
October	29.514	29.830	28.990	52.6	61.6	57.3	66.0	48.9	57.4	82	33	45	47	47	77	62	70	.312	.337	.336	1.24	.23	5.1	6.0	4.3	5.7
November	29.534	29.980	28.880	36.7	39.4	37.8	42.6	33.5	38.0	62	22	30	31	31	78	73	75	.173	.181	.174	4.06	1.67	8.5	8.7	8.9	9.0
December	29.348	29.937	28.690	30.7	33.3	32.3	37.2	26.4	31.8	58	5	24	25	25	76	69	74	.136	.136	.137	2.95	.67	8.8	9.0	8.1	8.6
Year	29.446	30.400	28.600	44.7	50.9	48.0	55.3	39.3	47.3	88	−9	37	36	37	73	60	67	.262	.261	.266	27.69	1.88	6.4	6.9	6.1	6.6

ROSEBURG, OREG.

[ϕ=43° 13′ N.; λ=123° 20′ W.]

January	29.697	30.060	29.385	37.5	42.9	44.9	46.6	35.7	41.2	67	26	36	38	40	95	82	82	0.219	0.232	0.252	1.51	0.73	5.1	6.3	5.9	7.1
February	29.641	29.960	29.183	33.8	43.2	49.6	50.6	31.7	41.2	63	24	32	35	35	93	74	61	.184	.205	.211	.17	.14	3.7	4.7	3.4	4.5
March	29.471	29.900	28.880	38.8	48.5	50.6	53.3	36.2	44.8	66	29	36	38	38	90	69	63	.215	.230	.227	2.97	.71	6.0	7.1	7.4	7.0
April	29.536	29.960	28.973	40.7	54.1	56.9	59.4	39.0	49.2	82	30	37	39	38	87	60	53	.222	.243	.227	2.67	.44	6.9	5.8	4.8	5.3
May	29.543	29.760	29.350	40.9	63.4	68.6	70.7	39.3	55.0	86	33	37	39	38	86	42	34	.223	.244	.229	.24	.20	3.5	2.1	2.4	2.8
June	29.487	29.760	29.247	49.8	70.2	73.6	76.0	48.7	62.4	90	40	45	46	45	85	45	39	.306	.322	.299	.96	.81	4.3	3.1	4.1	3.4
July	29.522	29.700	29.290	54.2	74.6	80.0	82.3	53.4	67.8	94	45	49	51	49	85	45	37	.355	.370	.353	.42	.41	4.2	2.5	2.4	2.6
August	29.466	29.660	29.240	55.8	76.2	84.3	86.0	53.9	70.0	101	43	50	51	47	81	44	30	.363	.382	.335	.22	.20	2.3	1.5	1.7	1.9
September	29.430	29.790	29.010	51.9	65.8	69.3	71.9	50.4	61.2	92	43	49	52	50	91	61	55	.350	.384	.371	2.27	.67	6.4	4.8	4.0	5.2
October	29.499	29.820	29.069	47.5	56.6	56.6	59.8	44.5	52.2	77	30	45	46	47	92	70	71	.308	.316	.325	3.78	1.32	6.7	6.9	6.3	6.5
November	29.520	29.808	29.060	41.2	48.4	48.9	52.8	38.5	45.6	62	27	40	42	43	94	78	81	.249	.268	.280	6.27	1.31	5.6	6.8	6.2	6.8
December	29.467	29.950	28.930	39.9	45.0	45.0	48.4	37.0	42.7	61	27	38	39	40	91	81	83	.227	.244	.250	7.17	1.38	5.9	8.1	8.3	8.4
Year	29.523	30.060	28.880	44.3	57.4	60.7	63.2	42.4	52.8	101	24	41	43	42	89	63	57	.268	.287	.280	28.65	1.38	5.0	5.0	4.7	5.1

ROSWELL, N. MEX.

[ϕ=33° 24′ N.; λ=104° 27′ W.]

January	26.472	26.840	26.050	28.5	42.2	43.6	49.9	24.8	37.4	73	−1	24	30	30	84	65	61	0.131	0.166	0.172	1.38	0.61	5.3	5.7	3.8	5.0
February	26.386	26.800	26.060	36.4	50.9	54.3	59.4	32.7	46.0	76	22	30	33	31	77	57	47	.172	.196	.183	.66	.25	4.6	4.7	4.4	4.5
March	26.248	26.710	25.750	36.4	58.9	61.0	65.9	32.4	49.2	79	14	24	27	21	60	32	22	.128	.149	.114	.12	.12	2.4	2.3	2.9	2.5
April	26.162	26.500	25.756	41.5	64.7	66.9	71.5	38.7	55.1	85	17	28	29	28	62	29	26	.160	.167	.156	T.	T.	2.1	2.8	3.1	3.1
May	26.275	26.570	25.932	54.4	76.3	77.6	81.7	52.6	67.2	95	46	45	44	42	72	37	36	.316	.308	.290	1.74	1.01	4.3	3.7	4.0	4.1
June	26.338	26.530	26.070	61.7	81.1	81.1	85.4	59.4	72.9	96	53	55	55	51	80	44	39	.437	.440	.384	2.19	.73	4.8	3.6	5.5	4.6
July	26.408	26.620	26.171	65.1	86.8	88.3	92.5	63.7	78.1	101	60	56	54	51	74	35	30	.460	.429	.385	.81	.33	2.4	1.9	2.8	2.9
August	26.385	26.610	26.159	63.1	80.8	81.6	85.9	62.0	74.0	98	52	57	56	55	81	47	44	.468	.485	.447	2.07	1.77	5.9	4.6	5.2	5.3
September	26.358	26.700	26.085	58.4	80.6	80.1	86.0	57.1	71.6	93	47	50	50	49	75	36	36	.374	.366	.362	2.57	.99	2.7	2.2	4.1	3.1
October	26.350	26.710	25.983	47.7	68.9	68.6	74.6	44.3	59.4	89	29	37	39	38	68	40	37	.228	.244	.232	.89	.66	2.8	2.5	2.6	2.9
November	26.464	26.875	26.110	35.4	53.2	53.1	59.6	32.2	45.9	76	17	29	33	32	78	51	48	.166	.204	.190	.15	.14	3.3	3.6	3.1	3.4
December	26.318	26.954	25.870	27.9	48.6	48.5	57.3	23.9	40.6	72	10	15	16	16	59	28	27	.084	.093	.089	T.	T.	2.0	2.0	1.4	2.0
Year	26.347	26.954	25.750	46.4	66.1	67.1	72.6	43.6	58.1	101	−1	38	39	37	72	42	38	.260	.269	.250	12.58	1.77	3.6	3.3	3.7	3.6

Annual meteorological summary for the year ending December 31, 1920—Continued.

RICHMOND, VA.

[H_b=144 ft.; h_t=11 ft.; h_r=3 ft.; h_a=52 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....	8.8	NE.	27	SW.	0	6	15	2	6	7	12	5	8	1	11	4	16	9	8	3	0	0	3	6	0	27	0	0
February...	10.0	NW.	36	NE.	0	10	9	3	5	8	10	2	11	0	6	9	14	12	8	6	6	0	1	3	0	21	0	0
March.....	9.0	SW.	39	NW.	0	1	4	4	12	10	19	1	9	2	15	6	10	9	6	3	1	0	0	1	0	12	1	2
April.....	9.6	S.	40	SW.	2	5	10	2	9	12	12	4	6	0	10	6	14	13	9	0	0	0	0	0	0	2	2	0
May.....	7.2	NE.	30	NW.	0	5	16	9	10	7	6	1	7	1	12	2	17	8	6	0	0	0	0	0	0	0	1	0
June.....	6.5	SW.	29	NE.	0	8	8	3	6	8	21	3	3	0	9	6	15	12	10	0	0	0	0	0	7	0	9	0
July.....	6.7	S.	37	SW.	0	4	8	3	12	17	11	1	5	1	8	10	13	11	11	0	0	1	0	0	3	0	9	0
August.....	6.6	S.	28	S.	0	5	12	6	2	15	15	2	5	0	5	4	22	18	14	0	0	0	0	0	4	0	9	0
September..	6.0	NE.	24	NW.	0	5	18	7	4	9	9	3	4	1	10	13	7	8	6	0	0	0	1	0	0	0	3	0
October....	6.1	SW.	25	S.	0	7	6	1	5	10	16	3	10	4	21	2	8	2	2	0	0	0	3	0	0	0	0	0
November..	7.2	NE.	42	SW.	1	6	17	1	6	10	10	2	8	0	9	8	13	9	8	0	0	0	0	0	0	6	0	0
December..	8.3	SW.	40	SW.	1	4	10	1	6	13	14	7	7	0	13	4	14	8	8	0	0	0	2	0	0	15	0	0
Year..	7.7	SW.	42	SW.	4	66	133	42	83	126	155	34	83	10	129	74	163	119	96	12	7	1	10	10	14	83	34	2

ROCHESTER, N. Y.

[H_b=523 ft.; h_t=86 ft.; h_r=77 ft.; h_a=102 ft.]

Month.	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.
January....	11.6	W.	36	W.	0	3	4	3	5	5	12	22	8	0	2	8	21	17	12	25	16	0	0	24	0	31	0	0
February...	11.1	W.	40	W.	1	1	7	1	5	5	14	17	8	0	4	9	16	17	13	23	17	0	0	22	0	29	0	0
March.....	11.8	W.	44	W.	2	0	3	2	4	11	16	16	10	0	8	9	14	17	9	12	11	0	0	8	0	19	2	2
April.....	10.9	W.	50	W.	2	0	6	1	4	7	13	22	7	0	4	9	17	19	14	9	7	0	0	1	0	11	2	0
May.....	6.8	NW.	24	NW.	0	2	10	2	5	6	11	15	10	1	11	10	10	7	5	0	0	0	0	0	0	0	1	0
June.....	7.3	SW.	34	W.	0	4	2	5	2	2	13	20	12	0	9	6	15	12	9	0	0	0	0	0	0	0	3	0
July.....	7.9	SW.	32	W.	0	2	5	1	1	6	18	19	9	1	7	7	17	13	12	0	0	0	0	0	0	0	9	0
August.....	5.7	SW.	28	W.	0	3	8	6	2	15	16	4	7	1	6	12	13	10	6	0	0	0	0	0	0	0	6	0
September..	7.2	SW.	30	SW.	0	3	4	2	5	11	16	10	7	2	15	10	5	11	8	0	0	0	2	0	0	0	4	0
October....	7.8	SW.	26	W.	0	4	1	0	5	4	25	17	6	0	9	9	13	10	8	1	0	0	2	0	0	0	1	0
November..	8.7	W.	31	W.	0	2	7	6	7	5	12	16	4	1	0	6	24	16	11	9	8	0	0	1	0	14	0	0
December..	10.3	SW.	50	SW.	1	0	4	3	9	9	14	15	8	0	1	5	25	18	14	17	11	0	0	10	0	25	0	0
Year..	8.9	W.	50	W.	6	24	61	32	54	86	180	193	96	6	76	100	190	167	121	96	70	0	4	66	0	129	28	2

ROSEBURG, OREG.

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

Month.	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.
January....	2.1	NW.	14	S.	0	10	3	7	4	7	1	5	23	2	2	14	15	8	6	0	0	0	14	1	0	13	0	0
February...	2.1	NW.	18	S.	0	9	5	4	5	5	6	6	17	1	9	15	5	2	1	1	0	0	9	0	0	19	0	0
March.....	3.3	S.	22	SW.	0	5	6	1	4	19	11	8	8	0	1	19	11	19	14	4	3	0	5	0	0	4	0	1
April.....	3.4	N.	17	SW.	0	15	4	5	4	4	9	7	12	0	6	18	6	16	13	0	0	1	0	0	0	1	0	0
May.....	3.5	N.	15	N.	0	26	8	2	1	1	0	4	15	5	17	13	1	3	1	0	0	0	1	0	0	0	0	0
June.....	4.0	N.	18	N.	0	19	9	4	3	4	1	2	14	4	16	9	5	6	3	0	0	0	0	0	0	0	0	0
July.....	3.6	N.	14	NW.	0	24	9	6	0	1	1	3	16	2	18	11	2	2	1	0	0	0	0	0	0	5	0	0
August.....	3.7	N.	18	NW.	0	24	13	3	0	4	0	2	14	2	23	7	1	3	1	0	0	0	0	0	0	14	0	0
September..	3.0	NW.	27	SW.	0	10	7	5	6	6	7	3	11	5	10	9	11	13	7	0	0	0	2	0	0	1	0	0
October....	2.4	S.	18	W.	0	4	4	8	8	9	10	3	15	1	3	14	14	14	14	0	0	0	3	0	0	1	0	0
November..	2.3	S.	23	W.	0	5	6	6	10	18	3	3	8	1	4	13	13	15	14	0	0	0	8	0	0	7	0	0
December..	3.2	S.	22	W.	0	2	4	9	16	21	6	1	2	1	0	7	24	24	21	0	0	0	7	0	0	5	0	0
Year..	3.0	NW.	27	SW.	0	153	78	60	61	99	55	47	155	24	109	149	108	125	96	5	3	1	49	1	20	50	2	1

ROSWELL, N. MEX.

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

Month.	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.
January....	5.4	S.	28	NE.	0	10	10	4	5	19	4	2	7	1	10	12	9	7	3	6	6	0	2	3	0	28	0	0
February...	6.7	S.	27	E.	0	11	4	6	6	14	2	4	9	2	15	5	9	5	4	1	0	0	4	0	0	15	0	0
March.....	12.1	S.	48	W.	6	4	4	4	4	14	10	13	9	0	19	11	1	2	2	1	0	0	0	0	0	14	1	0
April.....	10.5	W.	42	NW.	3	10	8	4	2	6	6	10	11	3	16	13	1	0	0	0	0	0	0	0	0	7	1	0
May.....	8.0	S.	40	NW.	1	5	8	8	5	14	7	6	6	3	12	16	3	6	4	0	0	1	0	0	0	5	0	7
June.....	7.8	S.	40	NW.	1	3	5	6	4	18	15	3	3	3	7	21	2	10	8	0	0	0	0	0	0	11	0	9
July.....	7.1	S.	37	SW.	0	5	4	10	9	16	7	6	5	0	18	13	0	6	6	0	0	0	0	0	0	24	0	8
August.....	6.1	S.	34	W.	0	5	6	10	5	19	9	4	2	2	5	23	3	7	5	0	0	0	0	0	0	11	0	5
September..	6.6	S.	37	NW.	0	5	5	2	10	12	7	7	7	5	18	10	2	8	7	0	0	0	0	0	0	5	0	8
October....	8.0	S.	38	NE.	0	6	7	6	5	23	8	2	8	0	20	6	5	3	3	0	0	0	1	0	0	2	2	0
November..	6.0	S.	31	NW.	0	6	10	9	2	16	3	6	7	1	18	7	5	3	2	1	0	0	0	1	0	18	0	0
December..	8.3	NW.	42	NW.	1	5	5	4	1	13	5	11	16	2	25	6	0	0	0	0	0	0	0	0	0	28	0	0
Year..	7.7	S.	48	W.	12	75	76	70	58	184	83	74	90	22	183	143	40	57	44	9	6	1	7	4	56	112	41	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

ROYAL CENTER, IND.

[ϕ=40° 53′ N.; λ=86° 29′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.428	29.900	28.700	14.3	21.9	19.4	25.4	9.3	17.4	39	−5	10	13	13	80	68	74	0.071	0.084	0.080	0.83	0.29	7.2	5.3	5.5	5.6
February	29.271	29.716	28.740	22.4	28.8	28.0	32.7	19.7	26.2	52	−4	17	21	22	79	69	75	.102	.118	.119	.17	.09	7.3	8.8	6.9	7.7
March	29.130	29.597	28.420	35.2	44.4	41.9	49.2	30.6	39.9	75	4	28	31	30	74	60	64	.166	.189	.184	2.87	.72	6.2	6.0	5.1	5.9
April	29.023	29.440	28.540	39.7	47.5	45.3	52.0	34.6	43.3	74	16	34	36	35	79	65	67	.202	.224	.215	5.56	1.36	7.2	7.7	6.3	7.2
May	29.271	29.630	29.012	54.1	66.1	62.3	68.4	47.0	57.7	81	32	46	46	47	75	52	59	.330	.341	.340	2.45	1.40	5.5	5.5	6.3	5.8
June	29.211	29.527	28.710	65.7	77.1	72.4	80.3	58.1	69.2	93	46	58	57	58	77	52	62	.494	.487	.501	3.08	1.04	4.8	5.5	5.7	5.5
July	29.216	29.426	28.860	66.9	78.9	73.0	82.0	58.1	70.0	96	48	59	60	60	77	54	66	.512	.527	.535	3.92	1.57	4.8	5.5	4.0	5.0
August	29.254	29.458	29.000	63.8	76.7	72.0	80.5	57.2	68.8	92	42	58	57	59	83	52	65	.501	.482	.521	1.42	.65	5.1	5.3	4.9	4.9
September	29.228	29.494	28.970	60.0	74.7	68.0	78.5	54.8	66.6	90	40	55	55	54	84	52	64	.452	.451	.438	1.89	1.32	4.1	5.3	3.9	4.9
October	29.316	29.665	28.780	51.9	68.2	59.4	71.0	47.6	59.3	84	27	46	47	48	81	50	67	.324	.336	.345	1.90	.72	5.1	4.8	2.6	4.2
November	29.339	29.774	28.840	35.1	43.0	39.1	46.2	31.7	39.0	65	13	31	34	32	83	70	77	.182	.204	.195	1.64	.56	7.0	7.5	6.1	7.3
December	29.143	29.600	28.360	27.7	33.9	31.6	37.2	23.0	30.1	57	−12	23	27	27	82	76	80	.140	.162	.158	3.29	1.10	6.2	7.2	5.9	6.6
Year	29.236	29.900	28.360	44.7	55.1	51.0	58.6	39.3	49.0	96	−12	39	40	40	80	60	68	.290	.300	.303	29.02	1.57	5.9	6.2	5.3	5.9

SACRAMENTO, CALIF.

[ϕ=38° 35′ N.; λ=121° 30′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.070	30.310	29.814	41.5	51.3	55.1	56.2	37.4	46.8	67	29	38	43	45	86	76	70	0.230	0.284	0.302	0.29	0.20	2.5	4.2	4.1	4.4
February	30.012	30.270	29.650	42.7	55.5	60.9	61.7	39.1	50.4	71	33	38	42	42	85	62	52	.233	.268	.272	.81	*1.11	1.7	2.4	2.8	2.7
March	29.947	30.390	29.450	43.7	54.7	59.1	60.4	41.5	51.0	71	34	40	44	44	87	68	59	.248	.290	.293	3.27	1.02	3.3	4.0	3.5	3.7
April	29.913	30.150	29.600	46.3	63.5	67.9	69.5	44.7	57.1	85	36	40	44	44	80	51	46	.251	.294	.295	1.36	.94	2.1	2.6	2.6	2.6
May	29.834	30.060	29.520	50.5	72.9	78.4	80.6	49.4	65.0	98	39	42	42	40	76	36	30	.272	.271	.259	.00	.00	1.0	1.9	1.4	1.8
June	29.801	30.030	29.606	57.1	78.2	83.0	84.5	55.8	70.2	108	50	47	48	45	72	38	30	.324	.341	.312	.05	.03	1.6	2.0	2.0	2.2
July	29.877	30.060	29.690	55.6	80.6	86.7	88.4	54.9	71.6	102	51	50	53	50	82	39	30	.356	.400	.365	.00	.00	1.5	.5	.5	1.1
August	29.794	30.060	29.600	60.5	83.5	91.2	92.8	59.2	76.0	108	53	51	55	51	73	39	27	.378	.429	.378	T.	T.	.2	1.0	.8	.7
September	29.855	30.030	29.680	56.0	74.0	79.7	81.1	53.9	67.5	98	45	49	51	49	78	47	37	.348	.381	.355	.01	.01	.5	1.7	1.9	1.4
October	29.929	30.170	29.560	50.1	64.7	67.9	69.6	47.6	58.6	84	37	44	45	43	82	51	44	.297	.303	.285	1.29	.57	1.3	3.6	2.8	2.8
November	30.039	30.230	29.755	45.8	54.7	57.4	58.6	43.5	51.0	70	35	43	45	45	91	74	68	.287	.311	.312	3.39	1.06	3.9	5.3	5.8	5.4
December	30.040	30.310	29.520	42.9	46.8	49.8	50.8	40.1	45.4	58	34	41	43	45	94	86	85	.263	.277	.305	4.32	.95	4.4	5.7	5.8	5.4
Year	29.926	30.390	29.450	49.4	65.0	69.8	71.2	47.3	59.2	108	29	44	46	45	82	56	48	.291	.321	.311	14.79	1.11	2.0	2.9	2.8	2.8

SAGINAW, MICH.

[ϕ=43° 26′ N.; λ=83° 57′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.512	30.180	28.903	11.1	15.5	14.4	20.2	5.1	12.6	36	−12	8	10	10	88	76	83	0.066	0.067	0.070	0.74	0.25	7.0	6.1	6.0	6.2
February	29.336	30.030	28.750	14.0	22.6	20.5	25.9	9.7	17.8	46	−12	11	14	16	87	68	79	.079	.087	.090	.72	.23	7.1	6.5	6.7	6.8
March	29.196	29.719	28.480	30.0	38.4	36.2	43.3	25.2	34.2	71	2	23	24	28	76	58	72	.138	.145	.159	2.68	.75	4.9	5.6	5.8	5.6
April	29.104	29.625	28.490	36.8	43.9	40.9	46.9	31.5	39.2	70	17	30	30	30	75	59	65	.174	.175	.174	2.55	.71	7.1	7.7	6.4	7.2
May	29.401	29.811	29.090	50.4	61.0	58.4	65.2	44.2	54.7	82	31	40	39	41	69	48	55	.262	.266	.281	1.44	.64	4.7	5.6	4.7	5.0
June	29.299	29.646	28.890	63.9	73.7	71.2	77.6	57.4	67.5	91	48	55	53	57	74	51	62	.451	.429	.479	2.88	1.16	5.7	5.2	6.0	5.4
July	29.287	29.539	28.850	63.6	73.4	71.3	77.7	56.7	67.2	91	48	56	55	55	76	56	59	.456	.448	.452	1.96	.82	5.0	6.5	5.9	5.5
August	29.365	29.620	29.070	62.6	73.9	69.8	77.3	57.5	67.4	88	44	57	56	59	83	56	70	.485	.467	.517	1.75	.94	5.0	5.3	5.5	5.4
September	29.323	29.654	28.940	58.1	71.4	65.4	74.2	53.0	63.6	89	39	52	52	55	82	53	70	.406	.406	.446	1.09	.73	3.7	5.2	4.0	4.4
October	29.386	29.756	28.700	50.7	63.8	58.4	67.2	47.7	57.4	81	28	46	47	48	85	58	70	.325	.335	.350	2.01	.58	6.5	5.6	3.8	5.5
November	29.400	29.828	28.820	34.4	39.9	37.2	42.1	31.1	36.6	57	16	32	34	32	91	81	82	.187	.202	.187	1.61	.74	8.0	8.4	6.4	8.2
December	29.186	29.740	28.290	29.7	33.4	32.2	36.6	26.2	31.4	56	7	27	28	28	88	79	82	.152	.159	.161	3.71	1.39	9.3	8.7	8.3	8.6
Year	29.316	30.180	28.290	42.1	50.9	48.0	54.5	37.1	45.8	91	−12	36	37	38	81	62	71	.265	.266	.281	23.14	1.39	6.2	6.4	5.8	6.2

ST. JOSEPH, MO.

[ϕ=39° 49′ N.; λ=94° 51′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.176	29.670	28.550	22.5	30.9	29.8	34.9	19.5	27.2	60	6	18	18	20	82	57	66	0.100	0.101	0.112	0.32	0.24	2.6	3.9	3.7	4.1
February	29.068	29.460	28.552	27.4	34.9	34.7	39.0	24.7	31.8	53	1	23	23	25	82	62	67	.129	.131	.139	.31	.15	5.2	5.7	6.2	5.9
March	28.822	29.450	28.000	36.8	48.9	48.8	55.0	33.3	44.2	77	1	28	30	30	70	51	51	.168	.184	.184	5.05	3.66	4.5	4.5	3.7	4.4
April	28.762	29.153	28.210	41.1	51.0	50.7	55.9	38.0	47.0	78	16	35	35	36	78	57	60	.211	.219	.229	5.80	2.61	6.3	5.9	6.1	5.9
May	28.948	29.336	28.620	56.5	68.1	67.5	71.8	54.2	63.0	86	44	50	51	52	79	57	59	.373	.396	.408	1.61	.54	5.8	6.5	5.4	6.3
June	28.944	29.180	28.555	66.8	78.9	78.7	83.1	63.8	73.4	94	50	58	58	58	74	50	51	.498	.502	.511	6.51	3.74	4.6	3.5	2.9	3.7
July	28.981	29.176	28.660	68.6	83.2	82.3	87.3	66.1	76.7	100	57	62	62	63	80	49	53	.566	.554	.583	3.34	2.02	3.7	3.2	2.0	3.3
August	28.983	29.230	28.630	64.9	80.2	78.5	84.0	62.6	73.3	94	51	60	58	59	83	50	53	.518	.503	.511	1.95	.75	3.4	3.7	2.9	3.7
September	28.940	29.320	28.530	61.6	76.6	72.2	79.7	59.1	69.4	92	36	57	57	58	86	53	63	.488	.490	.507	5.04	1.48	3.5	3.0	2.8	3.4
October	28.986	29.400	28.571	53.2	68.5	63.8	71.3	51.4	61.4	88	27	46	48	49	78	50	61	.336	.356	.377	2.22	1.12	3.2	3.3	3.1	3.8
November	29.090	29.710	28.583	35.5	42.4	41.1	46.9	32.3	39.6	70	14	30	30	31	82	63	68	.181	.183	.191	2.75	1.60	5.1	5.8	5.6	6.3
December	28.892	29.380	28.290	28.7	36.7	35.6	41.1	25.4	33.2	61	0	24	26	26	80	64	67	.137	.152	.150	.87	.52	4.8	5.0	4.3	5.2
Year	28.966	29.710	28.000	47.0	58.4	57.0	62.5	44.2	53.4	100	0	41	41	42	80	55	60	.309	.314	.325	35.77	3.74	4.4	4.5	4.1	4.7

* February 29—March 1.

Annual meteorological summary for the year ending December 31, 1920—Continued.

ROYAL CENTER, IND.

[H_b=736 ft.; h_t=11 ft.; h_r=3 ft.; h_a=55 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles		*Mi.*																									
January	12.3	W.	33	E.	0	5	9	8	4	8	8	13	7	0	12	5	14	13	5	14	10	0	0	23	0	31	0	0
February	11.2	NW.	30	NW.	0	4	8	9	1	4	4	13	15	0	0	11	18	7	1	14	5	0	0	11	0	29	0	0
March	16.0	S.	48	W.	7	6	1	1	9	18	10	10	7	0	10	9	12	12	11	8	4	1	1	4	0	16	2	2
April	15.4	W.	52	SW.	6	10	6	6	6	8	10	11	3	0	3	11	16	20	18	7	4	2	0	2	0	11	5	0
May	10.1	E.	40	NE.	1	12	9	18	4	10	3	4	2	0	7	16	8	8	5	0	0	0	0	0	0	1	0	0
June	8.4	SW.	45	SW.	1	13	4	4	7	8	16	5	3	0	7	14	9	12	9	0	0	0	0	0	0	6	0	9
July	8.1	N.	38	SW.	0	17	5	2	7	8	14	6	2	1	10	15	6	9	8	0	0	1	0	0	2	0	11	0
August	6.8	N.	33	W.	0	15	6	9	9	8	9	2	4	0	12	8	11	7	7	0	0	0	0	0	1	0	8	0
September	8.1	SE.	26	W.	0	5	1	9	12	10	7	8	7	1	11	10	9	7	6	0	0	0	1	0	1	0	5	0
October	8.5	S.	32	S.	0	4	4	4	7	21	14	3	5	0	17	6	8	6	5	1	1	0	0	0	0	3	2	0
November	9.8	W.	31	W.	0	4	3	3	7	8	11	16	7	1	5	6	19	12	6	9	1	0	0	3	0	13	0	0
December	13.2	W.	47	SW.	2	1	2	4	13	8	8	23	3	0	7	9	15	12	7	11	5	0	2	11	0	24	0	0
Year	10.7	S.	52	SW.	17	96	58	77	86	119	114	114	65	3	101	120	145	125	88	64	30	4	4	54	10	128	42	2

SACRAMENTO, CALIF.

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

Month.	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.
January	6.0	SE.	33	N.	0	14	7	3	14	10	3	0	9	2	16	4	11	3	3	0	0	0	8	0	0	5	0	0
February	6.4	SE.	35	NW.	0	10	6	7	13	8	5	2	5	2	21	3	5	6	5	0	0	0	5	0	0	0	0	0
March	8.3	SE.	40	NW.	1	3	2	10	16	16	1	3	10	1	17	7	7	9	9	1	0	1	0	0	0	0	1	0
April	10.0	S.	35	SE.	0	5	0	1	15	17	5	2	15	0	21	4	5	3	3	0	0	1	1	0	0	0	1	0
May	8.8	S.	28	NW.	0	4	1	1	14	29	2	2	9	0	24	7	0	0	0	0	0	0	0	0	6	0	0	0
June	9.1	S.	26	NW.	0	2	1	1	13	27	6	3	7	0	24	5	1	2	0	0	0	0	0	0	7	0	0	0
July	8.8	S.	27	S.	0	0	0	1	21	36	3	1	0	0	30	1	0	0	0	0	0	0	0	0	11	0	0	0
August	7.8	S.	28	S.	0	1	0	0	18	32	3	2	5	1	28	2	1	0	0	0	0	0	0	0	21	0	0	0
September	8.0	S.	25	S.	0	1	0	1	20	25	3	2	4	4	25	5	0	1	0	0	0	0	0	0	7	0	0	0
October	7.0	NW.	35	NW.	0	7	1	2	18	8	8	5	12	1	19	9	3	6	5	0	0	0	1	0	0	0	2	0
November	6.6	SE.	31	SE.	0	14	2	3	23	6	2	0	9	1	12	8	10	11	11	0	0	0	5	0	0	0	0	0
December	7.0	SE.	36	S.	0	7	4	4	18	10	1	1	13	4	11	6	14	16	14	0	0	0	7	0	0	0	0	0
Year	7.8	S.	40	NW.	1	68	24	34	203	224	42	23	98	16	248	61	57	57	50	1	0	2	27	0	52	5	4	0

SAGINAW, MICH.

[H_b=641 ft.; h_t=69 ft.; h_r=62 ft.; h_a=77 ft.]

Month.	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.
January	9.2	NW.	30	SW.	0	7	9	6	1	6	9	10	14	0	6	14	11	8	5	23	8	0	1	26	0	31	0	1
February	7.8	NW.	29	SW.	0	3	11	1	9	3	11	8	12	0	8	4	17	10	5	16	10	0	2	26	0	29	0	0
March	11.6	SW.	43	SW.	1	1	6	1	10	12	14	7	11	0	11	8	12	10	7	9	4	0	2	9	0	22	2	2
April	11.0	NE.	42	SW.	1	3	14	2	4	4	12	8	13	0	5	6	19	16	14	9	5	0	0	4	0	13	1	2
May	7.6	NE.	28	S.	0	11	23	3	8	8	2	2	5	0	12	9	10	6	5	0	0	0	0	0	0	4	2	0
June	7.2	SW.	27	NE.	0	7	12	2	5	7	14	5	8	0	10	11	9	9	5	0	0	0	0	0	3	0	6	0
July	7.2	SW.	28	SW.	0	8	6	4	7	6	12	10	9	0	6	16	9	8	7	0	0	0	0	0	1	0	6	0
August	6.1	NE.	27	SW.	0	11	22	3	5	9	4	3	5	0	8	15	8	7	5	0	0	0	2	0	0	0	5	0
September	7.5	SE.	29	SW.	0	4	14	5	12	4	8	5	8	0	15	8	7	5	4	0	0	0	1	0	0	0	3	0
October	7.1	SW.	26	S.	0	4	4	6	10	7	15	6	9	1	10	10	11	9	6	0	0	1	2	0	0	3	1	0
November	8.4	SW.	28	SW.	0	5	6	9	4	3	14	12	7	0	1	9	20	12	8	8	4	0	1	3	0	13	0	0
December	10.0	SE.	39	SW.	0	1	3	4	13	5	12	10	14	0	1	7	23	18	12	16	12	0	0	12	0	20	0	0
Year	8.4	NE.	43	SW.	2	65	130	46	88	74	127	86	115	1	93	117	156	118	83	81	43	1	11	80	4	135	26	5

ST. JOSEPH, MO.

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

Month.	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.
January	8.2	N.	30	N.	0	10	9	6	10	7	9	2	9	0	16	8	7	5	3	10	4	0	0	14	0	31	0	0
February	9.3	NW.	30	NW.	0	4	6	5	6	3	6	5	23	0	8	8	13	4	2	8	1	0	1	5	0	24	0	0
March	13.9	SE.	52	W.	6	3	3	4	9	17	7	7	12	0	14	9	8	9	6	5	2	2	1	4	0	12	6	0
April	11.9	NW.	52	W.	2	7	10	11	9	2	2	8	11	0	8	10	12	13	11	4	3	1	0	1	0	7	5	0
May	8.3	E.	35	NW.	0	4	13	21	13	5	1	2	3	0	6	13	12	12	8	0	0	1	0	0	0	0	4	0
June	8.4	S.	30	NW.	0	7	7	4	10	19	8	2	3	0	17	9	4	7	5	0	0	3	0	0	7	0	5	0
July	6.3	SW.	38	NW.	0	2	9	11	6	9	13	5	6	1	17	13	1	12	8	0	0	0	0	0	14	0	8	0
August	5.7	SE.	35	W.	0	4	8	6	24	6	7	0	7	0	20	5	6	7	7	0	0	0	2	0	0	0	8	0
September	6.7	S.	33	S.	0	6	4	9	14	14	3	2	7	1	18	6	6	10	9	0	0	1	1	0	2	0	7	0
October	8.0	S.	26	NW.	0	4	8	5	26	12	2	1	4	0	18	6	7	5	5	0	0	2	0	0	0	2	2	0
November	8.6	NW.	35	NW.	0	6	1	4	8	14	4	4	19	0	9	6	15	8	7	4	0	0	1	4	0	13	0	0
December	10.4	NW.	42	NW.	1	8	4	6	12	8	4	4	16	0	11	7	13	3	3	8	1	0	1	8	0	22	0	0
Year	8.8	SE.	52	W.	9	65	82	92	147	116	66	42	120	2	162	100	104	95	74	39	11	10	7	36	29	111	45	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

ST. LOUIS, MO.

[ϕ=38° 38′ N.; λ=90° 12′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.631	30.070	28.930	25.0	30.8	30.2	35.3	21.4	28.4	55	5	19	21	21	78	67	68	0.109	0.118	0.115	1.85	0.95	6.0	5.1	4.4	4.9
February	29.496	29.850	29.010	29.9	36.7	37.3	42.2	27.4	34.8	64	5	24	24	26	76	62	64	.134	.141	.150	.74	.43	5.0	6.0	6.3	6.2
March	29.331	29.890	28.520	40.5	49.8	48.5	56.0	37.3	46.6	80	7	30	29	33	65	49	58	.182	.177	.206	3.97	1.11	4.3	4.6	4.1	4.4
April	29.196	29.620	28.651	46.7	53.8	53.8	59.8	42.5	51.2	80	22	37	36	38	69	53	57	.232	.229	.249	3.43	1.40	6.0	6.0	6.2	5.9
May	29.404	29.790	29.090	59.5	68.2	67.8	72.7	57.0	64.8	88	37	50	50	52	72	56	59	.382	.386	.410	5.00	1.81	6.2	6.4	5.5	5.4
June	29.395	29.660	28.970	69.3	80.4	79.4	84.0	66.5	75.2	94	57	57	55	57	66	43	48	.475	.448	.479	1.53	.70	3.6	4.2	3.9	3.6
July	29.401	29.610	29.096	72.7	83.9	83.5	88.1	69.4	78.8	99	61	62	60	59	68	45	44	.558	.521	.506	.73	.26	2.4	3.8	3.7	3.3
August	29.419	29.620	29.140	69.2	79.7	77.5	83.6	66.6	75.1	92	56	61	59	60	75	52	58	.546	.518	.537	4.16	1.18	4.7	4.4	5.5	4.6
September	29.396	29.630	29.220	65.5	76.8	74.6	80.4	64.6	72.5	91	45	58	57	58	78	52	57	.504	.496	.498	4.79	2.87	3.5	3.4	4.0	3.7
October	29.485	29.820	29.083	56.2	69.3	66.2	72.9	55.0	64.0	85	35	47	50	48	73	52	54	.339	.374	.352	2.36	1.39	4.5	4.5	2.8	3.5
November	29.547	30.080	29.120	39.0	47.2	45.5	51.2	36.2	43.7	72	19	31	32	31	73	58	57	.187	.201	.186	.56	.25	4.8	5.0	5.5	5.3
December	29.373	29.820	28.610	34.1	40.0	39.3	44.8	30.2	37.5	64	5	28	29	29	78	66	66	.167	.175	.170	2.41	.87	6.5	5.8	4.6	5.8
Year	29.423	30.080	28.520	50.6	59.7	58.6	64.2	47.8	56.0	99	5	42	42	43	73	55	58	.318	.315	.322	31.53	2.87	4.8	4.9	4.7	4.7

ST. PAUL, MINN.

[ϕ=44° 58′ N.; λ=93° 03′ W.]

January	29.315	29.840	28.710	4.5	10.8	....	15.5	-1.5	7.0	38	-17	1	4	....	83	72	....	0.047	0.055	.....	1.80	0.55	6.0	5.5	....	5.8
February	29.182	29.850	28.530	11.8	18.9	....	23.0	8.0	15.5	34	-20	8	11	....	82	69	....	.070	.075	.....	.57	.16	7.5	6.3	....	6.8
March	28.902	29.510	27.947	24.7	34.3	....	40.2	21.1	30.6	71	-12	19	22	....	79	61	....	.119	.137	.....	2.91	.85	4.7	4.2	....	4.5
April	28.952	29.350	28.440	32.6	41.5	....	47.1	30.6	38.8	68	10	25	23	....	72	50	....	.144	.136	.....	2.21	.61	5.9	6.6	....	5.6
May	29.166	29.560	28.630	52.0	64.6	....	69.1	48.9	59.0	82	37	41	39	....	66	41	....	.267	.261	.....	1.97	.72	4.4	4.4	....	4.4
June	29.051	29.380	28.650	63.0	72.0	....	77.1	58.9	68.0	93	45	56	56	....	79	59	....	.467	.471	.....	7.76	2.96	6.1	5.4	....	5.5
July	29.090	29.350	28.720	64.3	75.0	....	79.6	60.7	70.2	90	54	57	55	....	77	52	....	.469	.450	.....	1.35	.52	3.7	3.4	....	3.7
August	29.134	29.440	28.712	61.3	75.4	....	79.7	58.7	69.2	91	49	54	52	....	77	45	....	.427	.396	.....	.96	.51	2.7	2.6	....	2.8
September	29.059	29.410	28.630	57.4	69.8	....	74.4	55.5	65.0	90	39	50	49	....	78	50	....	.376	.370	.....	1.36	.30	3.9	3.8	....	4.3
October	29.096	29.600	28.720	47.9	61.2	....	64.6	46.5	55.6	77	23	42	41	....	81	51	....	.292	.289	.....	1.85	.43	3.8	4.6	....	4.2
November	29.196	29.740	28.750	29.2	34.4	....	38.3	27.0	32.6	52	11	24	24	....	81	66	....	.137	.138	.....	1.08	.55	6.4	7.2	....	7.0
December	28.992	29.520	28.270	21.4	24.8	....	28.5	17.5	23.0	44	-12	17	18	....	81	74	....	.108	.107	.....	.88	.55	7.1	6.8	....	7.5
Year	29.095	29.850	27.947	39.2	48.6	....	53.1	36.0	44.5	93	-20	33	33	....	78	58	....	.244	.240	.....	24.70	2.96	5.2	5.1	....	5.2

SALT LAKE CITY, UTAH.

[ϕ=40° 46′ N.; λ=111° 54′ W.]

January	25.762	26.046	25.412	27.3	35.0	33.4	38.0	23.6	30.8	54	8	21	24	25	76	64	71	0.114	0.133	0.137	1.24	0.64	3.1	4.5	4.8	4.7
February	25.677	26.010	25.200	32.6	41.5	40.5	44.6	30.1	37.4	54	24	26	28	29	74	58	64	.138	.154	.159	1.14	.39	3.7	3.9	4.6	4.7
March	25.499	26.010	24.970	35.0	41.1	42.1	47.5	30.9	39.2	68	21	26	25	27	69	55	58	.138	.135	.147	3.81	1.27	7.1	7.6	7.0	7.5
April	25.472	25.800	25.110	39.2	46.2	48.0	52.1	35.8	44.0	68	22	29	28	30	66	54	54	.159	.159	.169	3.16	.86	7.4	7.5	7.4	7.5
May	25.537	25.800	25.299	51.3	62.3	63.9	67.2	48.5	57.8	82	40	37	35	35	60	38	38	.222	.206	.211	1.83	.99	4.7	4.8	4.9	4.8
June	25.560	25.830	25.310	59.2	74.9	76.1	79.3	56.6	68.0	88	40	39	36	36	47	26	25	.239	.226	.217	.15	.08	3.4	3.5	3.7	3.6
July	25.650	25.810	25.360	69.2	85.3	87.7	90.1	67.1	78.6	98	59	44	42	41	42	24	21	.295	.281	.266	.51	.44	4.2	2.2	3.7	3.5
August	25.637	25.840	25.420	65.3	79.5	81.7	84.4	63.0	73.7	95	49	47	46	44	54	33	29	.328	.318	.300	1.31	.67	3.5	2.7	3.6	3.3
September	25.604	25.950	25.140	56.7	70.9	71.5	75.2	54.2	64.7	87	37	39	40	39	54	34	34	.243	.253	.247	1.56	.74	3.9	3.7	4.3	4.2
October	25.590	25.940	25.190	44.4	54.6	51.9	58.1	40.7	49.4	84	29	34	33	36	70	48	59	.200	.188	.212	3.57	1.15	6.2	6.1	6.8	6.4
November	25.725	26.030	25.360	36.3	44.5	42.5	47.3	33.5	40.4	65	23	29	30	32	74	57	66	.159	.167	.177	1.90	.57	4.5	6.3	6.7	6.5
December	25.615	26.150	25.000	30.0	35.8	33.4	38.2	25.2	31.7	49	12	22	24	26	73	63	73	.119	.127	.137	1.38	.22	6.2	8.5	7.8	8.3
Year	25.611	26.150	25.000	45.5	56.0	56.1	60.2	42.4	51.3	98	8	33	33	33	63	46	49	.196	.196	.198	21.56	1.27	4.8	5.1	5.4	5.4

SAN ANTONIO, TEX.

[ϕ=29° 27′ N.; λ=98° 28′ W.]

January	29.449	29.770	28.960	44.0	52.3	52.1	57.6	41.1	49.4	79	30	40	39	38	86	64	63	0.264	0.258	0.245	3.36	1.21	6.9	6.7	6.6	6.9
February	29.370	29.760	28.940	50.3	61.0	62.2	67.0	48.4	57.7	88	34	47	47	47	89	62	59	.342	.352	.344	.27	.11	5.8	6.1	5.5	6.4
March	29.249	29.830	28.640	51.1	65.0	66.8	71.7	49.1	60.4	85	29	42	41	41	73	45	45	.311	.300	.309	.83	.52	5.5	4.9	5.4	5.5
April	29.080	29.430	28.550	58.1	74.3	77.0	82.1	56.8	69.4	100	37	49	48	48	76	44	38	.386	.373	.363	1.09	.70	5.5	3.7	2.9	4.0
May	29.170	29.410	28.950	69.2	81.2	80.9	86.2	67.4	76.8	92	59	66	65	65	91	59	60	.653	.627	.629	2.42	1.83	6.4	6.8	5.2	6.5
June	29.248	29.400	28.996	71.3	83.1	82.8	87.6	69.3	78.4	92	63	69	66	67	92	58	61	.706	.649	.663	2.83	.69	3.7	6.2	3.5	5.3
July	29.284	29.470	29.020	74.8	88.5	89.0	94.0	73.5	83.8	98	71	72	67	66	90	50	49	.775	.663	.642	.39	.29	4.9	3.6	2.9	3.9
August	29.245	29.440	29.022	73.8	87.1	86.5	92.9	72.9	82.9	98	69	72	68	67	93	54	54	.781	.684	.664	2.26	1.02	6.0	4.5	4.6	5.0
September	29.233	29.560	28.992	71.8	87.8	87.1	93.4	70.8	82.1	99	53	68	64	61	87	46	43	.699	.600	.557	.15	.15	3.7	3.3	1.9	3.1
October	29.298	29.590	28.980	62.0	76.7	75.0	81.1	61.0	71.0	89	44	58	57	57	89	52	56	.515	.482	.495	2.85	1.19	3.8	4.7	4.4	4.6
November	29.436	29.810	29.140	51.5	61.2	60.7	66.3	48.6	57.4	84	27	45	46	45	81	60	60	.343	.346	.337	2.95	1.84	5.7	6.2	5.0	6.0
December	29.308	29.800	28.790	47.3	60.0	59.0	65.8	43.6	54.7	83	27	38	41	41	71	53	53	.253	.235	.281	.16	.09	3.9	2.9	3.2	3.6
Year	29.281	29.830	28.550	60.4	73.2	73.3	78.8	58.5	68.7	100	27	56	54	54	85	54	53	.502	.468	.460	19.56	1.84	5.2	5.0	4.3	5.1

Annual meteorological summary for the year ending December 31, 1920—Continued.

ST. LOUIS, MO.

[H_b=568 ft.; h_t=265 ft.; h_r=258 ft.; h_a=303 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	12.6	NW.	35	SW.	0	7	11	4	5	8	12	2	13	0	15	6	10	11	6	13	5	0	1	12	0	28	0	0
February	12.7	NW.	36	SW.	0	3	10	3	1	5	8	0	28	0	7	8	14	5	4	5	1	0	3	5	0	18	0	0
March	20.2	SW.	74	SW.	12	1	0	1	7	18	18	3	14	0	15	6	10	9	8	2	2	0	0	3	0	8	7	0
April	15.5	NW.	51	SW.	5	4	7	7	8	7	9	4	14	0	9	8	13	11	9	2	1	0	0	0	0	3	3	0
May	11.0	NE.	45	N.	2	3	15	15	11	6	6	0	6	0	7	14	10	14	11	0	0	0	0	0	0	0	9	0
June	11.8	SW.	39	SW.	0	3	10	3	5	13	16	4	6	0	13	14	3	6	5	0	0	0	0	0	9	0	4	0
July	10.1	SW.	50	SW.	1	6	7	5	7	6	18	3	10	0	16	14	1	9	6	0	0	0	0	0	14	0	7	0
August	8.6	S.	46	SW.	3	10	11	6	9	14	5	3	3	1	9	16	6	10	10	0	0	0	0	0	4	0	6	0
September	11.5	S.	44	S.	1	11	8	5	8	21	4	2	1	0	15	12	3	8	7	0	0	0	1	0	1	0	6	0
October	13.0	S.	44	SW.	3	5	6	1	3	32	8	0	7	0	17	9	5	9	7	1	0	0	1	0	0	0	2	0
November	12.8	NW.	36	S.	0	8	0	2	8	14	11	3	14	0	10	9	11	5	4	1	0	0	0	2	0	8	0	0
December	16.1	S.	48	W.	7	2	3	5	3	20	6	11	12	0	9	9	13	8	6	7	3	0	2	5	0	13	0	0
Year	13.0	S.	74	SW.	34	63	88	57	75	164	121	35	128	1	142	125	99	105	83	31	12	0	8	27	28	78	44	0

ST. PAUL, MINN.

[H_b=837 ft.; h_t=236 ft.; h_r=228 ft.; h_a=261 ft.]

Month.	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.
January	11.9	SE.	36	NW.	0	3	0	5	7	2	4	2	8	0	7	14	10	12	12	14	12	0	1	28	0	31	0	0
February	10.6	NW.	37	SW.	0	2	1	1	6	4	2	5	8	0	6	10	13	9	6	13	8	0	0	24	0	29	0	0
March	16.0	SE.	60	SW.	8	2	0	1	12	2	5	3	6	0	13	8	10	9	8	7	6	0	1	11	0	25	3	1
April	14.5	NW.	54	W.	1	1	1	7	2	2	3	3	11	0	7	15	8	12	9	8	5	0	0	6	0	15	1	0
May	10.5	SE.	43	S.	2	1	2	5	13	1	6	0	3	0	13	11	7	7	4	0	0	0	0	0	0	0	4	0
June	9.7	SE.	40	SE.	1	4	1	3	8	1	6	4	3	0	7	16	7	14	13	0	0	0	0	0	3	0	11	0
July	10.3	SW.	50	SE.	2	4	0	0	6	2	10	5	4	0	16	11	4	8	5	0	0	0	1	0	1	0	8	0
August	9.0	SE.	45	SW.	1	3	1	3	9	3	5	3	4	0	19	8	4	6	4	0	0	0	0	0	1	0	3	0
September	11.9	SE.	57	S.	2	0	1	3	10	4	3	3	5	1	13	12	5	10	7	0	0	1	1	0	1	0	2	1
October	11.3	SE.	45	S.	2	0	0	1	15	2	10	0	3	0	15	9	7	10	8	1	0	0	1	0	0	2	4	0
November	11.8	NW.	46	SW.	1	5	0	3	5	0	9	1	7	0	5	8	17	5	4	11	3	0	0	7	0	19	0	0
December	13.6	NW.	51	W.	2	1	1	0	8	1	4	6	10	0	4	6	21	6	5	10	5	0	0	16	0	27	0	0
Year	11.8	SE.	60	SW.	22	26	8	32	101	24	67	35	72	1	125	128	113	108	85	64	39	1	5	92	6	148	36	2

SALT LAKE CITY, UTAH.

[H_b=4,360 ft.; h_t=163 ft.; h_r=156 ft.; h_a=203 ft.]

Month.	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.
January	4.4	NW.	33	SE.	0	2	1	6	18	7	3	7	18	0	14	5	12	4	4	4	4	0	5	12	0	27	0	0
February	5.7	NW.	32	SE.	0	4	1	8	8	6	4	1	26	0	14	3	12	7	5	6	2	0	4	0	0	19	1	0
March	8.0	NW.	60	W.	3	7	3	2	14	17	4	3	12	0	4	6	21	15	13	17	12	0	0	0	0	18	2	0
April	8.5	NW.	68	NE.	2	9	10	5	8	10	3	3	12	0	5	6	19	11	9	10	6	1	0	0	0	10	3	0
May	8.4	NW.	44	SE.	1	12	3	7	8	4	5	3	20	0	12	10	9	9	7	0	0	1	0	0	0	0	3	0
June	8.5	NW.	46	NW.	2	6	7	1	11	10	8	0	17	0	17	7	6	4	2	0	0	0	0	0	0	0	3	0
July	7.5	SE.	36	SE.	0	5	2	5	14	13	7	2	14	0	17	9	5	3	2	0	0	0	0	0	17	0	3	0
August	7.3	NW.	44	SE.	2	4	2	6	17	6	5	1	20	1	17	11	3	7	6	0	0	0	0	0	9	0	9	0
September	7.7	SE.	35	NW.	0	4	5	4	18	9	5	2	13	0	14	9	7	6	4	0	0	0	0	0	0	0	2	0
October	7.1	NW.	37	SE.	0	2	7	3	16	10	6	1	17	0	8	10	13	14	12	5	5	1	0	0	0	5	1	0
November	5.5	NW.	34	NW.	0	4	7	10	6	5	10	3	15	0	6	8	16	11	8	5	4	0	0	0	0	11	0	0
December	6.5	NW.	50	W.	1	6	3	6	10	10	5	3	19	0	2	5	24	21	13	21	20	0	0	5	0	30	0	0
Year	7.1	NW.	68	NE.	11	65	51	63	148	107	65	29	203	1	130	89	147	112	85	68	53	3	9	17	26	120	27	0

SAN ANTONIO, TEX.

[H_b=693 ft.; h_t=119 ft.; h_r=112 ft.; h_a=132 ft.]

Month.	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.
January	8.1	NE.	31	NW.	0	19	18	3	3	7	2	1	9	0	7	5	19	12	10	1	0	0	1	0	0	4	1	0
February	7.6	NE.	34	N.	0	8	20	2	10	9	5	2	2	0	6	10	13	7	4	0	0	0	4	0	0	0	2	0
March	9.4	SE.	50	NW.	2	7	14	3	17	10	2	4	5	0	12	5	14	6	3	0	0	2	4	0	0	4	3	0
April	9.6	SE.	39	NW.	0	8	9	5	14	9	6	1	8	0	15	9	6	4	2	0	0	1	0	0	2	0	2	0
May	8.3	SE.	42	SE.	1	9	9	12	21	7	1	0	3	0	3	16	12	7	6	0	0	0	1	0	5	0	8	0
June	6.9	SE.	36	NE.	0	6	13	21	13	3	0	0	4	0	8	15	7	13	10	0	0	0	0	0	9	0	11	0
July	6.6	SE.	34	NW.	0	4	4	15	19	12	3	0	5	0	16	14	1	5	3	0	0	0	0	0	30	0	5	0
August	6.6	SE.	36	SE.	0	1	12	17	27	3	0	0	2	0	9	19	3	7	6	0	0	0	0	0	28	0	6	0
September	7.6	SE.	30	N.	0	11	9	8	13	13	0	0	6	0	18	11	1	1	1	0	0	0	1	0	27	0	1	0
October	7.8	N.	32	SE.	0	17	8	11	15	4		2	5	0	12	10	9	9	5	0	0	0	1	0	0	0	7	0
November	7.5	N.	26	NW.	0	15	12	4	7	9	2	2	9	0	7	11	12	8	4	0	0	0	3	0	0	2	2	0
December	8.3	NW.	41	NW.	1	14	9	2	12	3	7	1	13	1	16	9	6	5	2	0	0	0	4	0	0	3	0	0
Year	7.9	SE.	50	NW.	4	119	137	103	171	89	28	13	71	1	129	134	103	84	56	1	0	3	19	0	101	13	48	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

SAN DIEGO, CALIF.

[ϕ=32° 43′ N.; λ=117° 10′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.974	30.160	29.560	50.3	59.2	57.3	61.7	47.5	54.6	76	37	43	47	48	77	65	72	0.284	0.326	0.336	0.43	0.35	5.8	4.7	5.4	5.7
February	29.964	30.160	29.680	52.7	61.0	58.9	63.2	50.4	56.8	76	42	48	50	51	84	69	76	.333	.360	.377	2.87	.97	5.9	5.6	5.5	5.9
March	29.916	30.220	29.618	51.7	59.3	59.2	62.4	48.7	55.6	77	41	46	49	47	83	70	69	.321	.348	.329	2.46	.71	4.5	4.8	3.5	4.4
April	29.886	30.010	29.740	52.9	61.4	60.2	63.9	51.4	57.6	77	45	47	49	50	82	64	68	.328	.343	.355	.47	.24	5.6	2.5	3.3	3.3
May	29.829	29.990	29.640	56.3	62.2	61.2	64.6	55.0	59.8	77	50	52	53	52	86	71	73	.393	.399	.394	.44	.40	9.3	5.8	4.7	6.0
June	29.829	29.930	29.700	60.4	65.7	65.1	67.9	59.4	63.6	71	57	56	55	56	84	69	71	.442	.434	.443	.02	.02	9.9	2.8	3.0	4.4
July	29.849	29.980	29.710	62.6	70.2	69.6	72.4	61.5	67.0	78	58	59	60	61	90	69	73	.509	.510	.530	T.	T.	6.4	2.0	2.3	3.1
August	29.820	29.990	29.670	66.5	73.5	72.0	75.4	65.5	70.4	82	59	62	62	63	86	68	72	.563	.562	.571	.01	.01	7.1	2.1	2.1	2.9
September	29.826	29.950	29.670	62.3	69.0	67.8	71.2	61.1	66.2	78	52	58	59	59	86	71	75	.484	.501	.509	.08	.05	7.6	1.8	2.7	3.3
October	29.869	30.070	29.550	56.8	66.5	64.3	68.1	54.8	61.4	77	45	49	51	52	78	61	68	.365	.389	.403	.18	.17	4.1	2.9	2.8	3.0
November	29.975	30.080	29.793	52.7	64.1	60.7	65.7	50.7	58.2	74	46	46	49	52	81	60	74	.320	.357	.386	.19	.12	4.1	3.9	3.7	3.6
December	29.966	30.150	29.780	49.7	60.7	57.4	62.6	47.0	54.8	72	40	41	46	49	74	61	74	.263	.313	.349	.54	.33	3.4	3.9	3.3	4.3
Year	29.892	30.220	29.560	56.2	64.4	62.8	66.6	54.4	60.5	82	37	51	52	53	83	66	72	.384	.404	.415	7.69	.97	6.1	3.6	3.5	4.2

SAND KEY, FLA.

[ϕ=24° 27′ N.; λ=81° 52′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.082	30.260	29.880	70.0	71.6	71.1	73.4	68.0	70.7	81	53	63	62	63	79	73	76	0.588	0.576	0.590	.....	.....	2.4	2.7	1.2	2.6
February	29.973	30.330	29.600	66.7	68.3	68.3	70.8	64.0	67.4	77	53	58	59	60	75	73	75	.508	.517	.527	.....	.....	4.4	3.9	2.3	3.9
March	30.023	30.350	29.710	68.7	70.0	69.9	72.0	66.4	69.2	79	52	63	63	63	82	78	80	.589	.592	.602	.....	.....	4.0	2.9	2.0	3.2
April	29.893	30.130	29.600	75.4	73.1	75.8	77.9	72.7	75.3	84	61	70	70	70	83	82	83	.736	.753	.745	5.39	2.25	5.0	4.4	3.0	4.1
May	29.884	30.040	29.670	77.7	78.8	78.3	79.8	75.2	77.5	85	69	69	69	68	75	73	72	.712	.711	.696	2.26	1.18	3.2	3.0	2.0	2.8
June	29.948	30.060	29.790	80.3	81.1	80.4	82.4	77.7	80.0	87	69	71	71	71	74	72	74	.768	.760	.765	.84	.33	5.0	4.1	4.0	4.4
July	30.016	30.120	29.880	82.3	83.0	82.5	84.3	79.6	82.0	89	74	73	73	73	74	72	74	.820	.818	.818	.50	.28	4.3	4.3	3.4	4.3
August	29.979	30.060	29.900	82.1	83.0	82.5	83.6	78.4	81.0	87	68	72	73	73	73	71	73	.797	.805	.807	2.61	.57	5.0	4.3	3.4	4.3
September	29.898	30.060	29.566	82.8	82.8	82.3	84.6	78.6	81.6	89	69	73	74	73	73	74	74	.815	.829	.819	9.49	4.95	5.0	5.7	5.1	5.3
October	29.931	30.150	29.820	76.6	74.5	77.8	79.3	74.5	76.9	86	69	69	70	70	78	78	76	.721	.737	.726	.37	.26	4.3	5.0	3.2	5.0
November	29.982	30.200	29.700	74.2	75.0	74.7	76.7	71.4	74.0	84	66	67	68	67	78	79	78	.664	.695	.670	2.73	1.41	6.3	5.9	4.9	5.8
December	30.003	30.170	29.860	70.3	71.3	71.3	73.5	68.1	70.8	79	60	64	65	65	81	81	81	.614	.635	.630	1.25	.50	4.3	4.5	3.7	5.0
Year	29.968	30.350	29.566	75.6	76.0	76.2	78.2	72.9	75.5	89	52	68	68	68	77	76	76	.694	.702	.700	.....	.....	4.4	4.2	3.2	4.2

SANDUSKY, OHIO.

[ϕ=41° 25′ N.; λ=82° 40′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.516	30.080	28.770	16.2	21.0	....	25.2	12.6	18.9	39	− 2	11	14	....	79	71	....	0.076	0.082	.....	1.32	0.70	7.1	6.1	....	6.5
February	29.354	29.880	28.830	22.1	26.7	....	30.5	19.4	25.0	50	3	17	19	....	79	72	....	.098	.108	.....	.27	.09	8.3	6.7	....	7.2
March	29.271	29.723	28.759	35.6	44.9	....	50.5	31.1	40.8	75	8	27	28	....	70	53	....	.160	.171	.....	1.38	.28	5.3	5.5	....	5.6
April	29.124	29.620	28.686	40.3	44.2	....	48.8	36.8	42.8	80	22	33	32	....	76	65	....	.201	.197	.....	4.77	1.92	7.7	8.4	....	7.8
May	29.406	29.840	29.140	54.0	60.1	....	63.3	49.3	56.3	83	39	45	44	....	72	58	....	.309	.308	.....	1.85	.64	4.3	5.4	....	5.0
June	29.315	29.670	28.820	66.4	73.6	....	77.1	61.5	69.3	91	49	58	59	....	76	61	....	.499	.505	.....	4.63	3.47	6.0	5.6	....	5.5
July	29.313	29.550	28.950	67.9	74.9	....	79.1	62.3	70.7	93	54	58	59	....	72	59	....	.498	.508	.....	2.01	.55	5.5	5.1	....	5.5
August	29.306	29.570	29.110	67.6	74.8	....	77.3	64.2	70.8	88	53	62	62	....	82	65	....	.560	.567	.....	1.71	.59	5.7	5.9	....	5.5
September	29.347	29.610	29.010	62.8	71.3	....	74.6	58.9	66.8	85	48	55	56	....	77	60	....	.448	.471	.....	2.82	1.87	4.2	4.0	....	4.1
October	29.432	29.720	28.780	54.6	65.9	....	69.0	51.6	60.3	83	34	46	48	....	75	54	....	.327	.343	.....	3.30	2.76	4.5	4.4	....	4.5
November	29.421	29.850	28.800	38.3	43.4	....	46.4	35.6	41.0	64	19	33	33	....	82	67	....	.202	.194	.....	2.24	.71	7.7	7.4	....	7.4
December	29.249	29.740	28.460	32.0	35.2	....	39.3	28.8	34.0	62	6	27	27	....	79	71	....	.152	.157	.....	1.77	.46	8.5	8.3	....	8.1
Year	29.343	30.080	28.460	46.5	53.0	....	56.8	42.7	49.7	93	− 2	39	40	....	77	63	....	.294	.301	.....	28.07	3.47	6.2	6.1	....	6.1

SANDY HOOK, N. J.

[ϕ=40° 28′ N.; λ=74° 01′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.162	30.950	29.470	22.3	25.4	25.6	30.7	18.6	24.6	42	4	16	18	18	76	72	73	0.098	0.103	0.105	2.19	0.80	6.8	5.8	4.6	6.4
February	29.968	30.966	29.340	25.5	29.0	28.7	32.8	22.4	27.6	45	1	22	24	24	85	81	81	.120	.132	.130	3.90	1.17	6.4	6.0	5.1	6.1
March	29.984	30.520	29.030	35.2	41.6	39.4	46.3	31.5	38.9	66	13	30	34	33	82	74	80	.179	.204	.198	3.43	1.95	3.7	4.7	3.7	4.7
April	29.805	30.180	29.100	43.9	48.8	45.7	53.2	39.8	46.5	71	29	37	39	39	79	70	78	.232	.241	.243	4.96	1.94	5.0	5.1	4.9	5.9
May	30.044	30.462	29.580	53.4	59.9	55.2	62.6	49.3	56.0	77	41	47	50	48	80	72	78	.330	.373	.345	1.86	.46	4.8	4.8	6.0	5.4
June	29.942	30.310	29.480	65.5	72.2	66.5	74.8	60.0	67.4	89	51	60	61	60	81	70	81	.515	.549	.534	6.69	2.77	5.3	5.6	6.6	6.2
July	29.963	30.207	29.501	69.8	76.9	71.8	79.5	65.2	72.4	88	59	64	65	65	81	68	79	.599	.621	.620	4.79	2.09	4.5	4.2	6.0	5.1
August	30.046	30.330	29.640	69.8	75.8	71.4	77.7	67.4	72.6	86	60	66	68	67	88	76	86	.649	.682	.668	5.33	1.26	7.0	6.7	6.6	7.0
September	29.983	30.330	29.120	64.7	71.4	68.2	73.3	61.8	67.6	83	51	60	63	62	86	75	81	.532	.581	.562	1.73	1.23	4.3	4.2	2.7	4.7
October	30.073	30.370	29.300	55.9	63.5	59.5	66.6	53.1	59.8	78	40	51	54	53	84	73	80	.382	.436	.417	.83	.66	3.5	3.4	2.5	4.3
November	30.103	30.571	29.310	43.2	46.5	44.9	49.3	40.1	44.7	64	28	38	40	40	83	80	83	.237	.256	.256	3.60	1.71	6.5	6.7	6.8	7.0
December	29.952	30.532	29.330	36.7	40.1	37.9	42.6	33.1	37.8	57	20	32	34	32	82	78	78	.188	.203	.183	5.16	1.34	6.7	5.6	5.1	6.4
Year	30.002	30.966	29.030	48.8	54.3	51.2	57.4	45.2	51.3	89	1	44	46	45	82	74	80	.338	.365	.355	44.47	2.77	5.4	5.2	5.0	5.8

Annual meteorological summary for the year ending December 31, 1920—Continued.

SAN DIEGO, CALIF.

[H_b=87 ft.; h_t=62 ft.; h_r=55 ft.; h_a=70 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	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	5.1	NW.	34	E.	0	8	4	7	7	2	6	8	19	1	10	6	15	4	3	0	0	0	7	0	0	0	0	0
February	5.7	NW.	36	S.	0	1	10	12	1	6	0	11	16	1	8	10	11	8	6	0	0	0	0	0	0	0	0	0
March	6.7	W.	34	S.	0	5	5	7	1	6	9	17	11	1	13	10	8	10	8	0	0	.1	1	0	0	0	0	0
April	7.2	SW.	33	NW.	0	1	6	6	2	8	9	11	16	1	17	9	4	3	3	0	0	0	0	0	0	0	0	0
May	6.7	W.	21	S.	0	3	2	4	4	8	13	15	13	0	9	9	13	4	2	0	0	0	1	0	0	0	2	0
June	6.9	SW.	18	W.	0	6	3	2	2	9	14	13	11	0	13	15	2	2	0	0	0	0	0	0	0	0	0	0
July	6.4	NW.	24	S.	0	8	0	1	0	7	13	12	21	0	22	8	1	0	0	0	0	0	5	0	0	0	0	0
August	6.2	NW.	19	NW.	0	6	3	2	3	3	15	12	17	1	21	7	3	1	0	0	0	0	0	0	0	0	0	0
September	6.2	NW.	21	NW.	0	6	1	3	5	8	7	13	16	1	18	9	3	2	1	0	0	0	1	0	0	0	0	0
October	6.3	W.	24	SE.	0	4	9	4	2	8	11	9	15	0	20	8	3	3	1	0	0	0	3	0	0	0	0	0
November	5.4	NW.	22	NW.	0	6	12	11	1	3	1	3	23	0	15	11	4	4	2	0	0	0	3	0	0	0	0	0
December	5.3	NW.	33	W.	0	4	6	13	0	4	2	9	24	0	13	13	5	5	3	0	0	0	0	0	0	0	0	0
Year	6.2	NW.	36	S.	0	58	61	72	28	72	100	133	202	6	179	115	72	46	29	0	0	1	21	0	0	0	2	0

SAND KEY, FLA.

[H_b=23 ft.; h_t=39 ft.; h_r=6 ft.; h_a=72 ft.]

Month.	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.
January	15.1	E.	37	.....	0	12	17	18	10	0	1	2	2	0	20	9	2	....	....	0	0	0	0	0	0	0	3	0
February	17.0	N.	50	NW.	4	13	16	4	2	6	3	5	9	0	16	8	5	....	....	0	0	0	0	0	0	0	3	0
March	16.8	SE.	50	NW.	2	8	8	19	19	0	1	2	5	0	21	6	4	....	....	0	0	1	0	0	0	0	3	0
April	13.4	SE.	52	NW.	3	5	5	14	21	8	4	1	2	0	14	9	7	7	6	0	0	0	0	0	0	0	6	0
May	11.0	E.	38	E.	0	13	3	21	3	1	0	6	14	1	23	6	2	6	6	0	0	0	0	0	0	0	3	0
June	11.0	SE.	37	SE.	0	1	4	25	23	3	3	0	0	1	14	10	6	6	5	0	0	0	0	0	0	0	7	0
July	12.0	SE.	38	SE.	0	0	1	25	24	3	6	3	0	0	12	17	2	5	3	0	0	0	0	0	0	0	2	0
August	11.8	E.	40	S.	1	0	4	36	16	5	1	0	0	0	13	15	3	11	9	0	0	0	0	0	0	0	11	0
September	10.6	E.	58	SW.	1	1	5	20	17	8	4	1	3	1	10	12	8	13	9	0	0	0	0	0	0	0	16	0
October	17.8	NE.	44	NE.	1	2	37	14	7	0	0	1	1	0	11	13	7	6	4	0	0	0	0	0	0	0	2	0
November	17.8	NE.	46	W.	2	13	26	11	4	0	3	1	2	0	9	8	13	12	9	0	0	0	0	0	0	0	4	0
December	15.2	NE.	50	NW.	2	18	21	7	9	4	0	2	1	0	10	15	6	5	3	0	0	0	1	0	0	0	1	0
Year	14.1	E.	58	SW.	16	86	147	214	155	38	26	24	39	3	173	128	65	....	....	0	0	0	2	0	0	0	61	0

SANDUSKY, OHIO.

[H_b=629 ft.; h_t=62 ft.; h_r=54 ft.; h_a=103 ft.]

Month.	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.
January	14.8	W.	42	NE.	1	2	4	2	3	0	7	8	5	0	7	9	15	11	7	18	11	0	0	23	0	31	0	0
February	13.1	W.	39	SW.	0	3	4	3	2	1	8	5	3	0	4	9	16	9	2	21	8	0	0	16	0	28	0	0
March	17.5	SW.	54	SW.	7	2	0	1	3	6	11	3	5	0	5	17	9	12	10	7	4	0	0	4	0	15	1	1
April	15.8	SW.	58	SW.	3	1	4	5	2	3	7	4	4	0	1	12	17	18	13	8	5	1	0	0	0	9	5	0
May	10.1	NE.	38	NE.	0	4	10	6	2	4	2	0	3	0	10	12	9	8	5	0	0	0	0	0	0	0	4	0
June	9.8	SW.	38	NE.	0	3	3	3	4	3	8	4	2	0	3	21	6	10	7	0	0	2	0	0	2	0	8	0
July	10.2	SW.	33	NE.	0	1	4	1	3	2	14	5	1	0	7	15	9	9	7	0	0	0	0	0	1	0	7	0
August	8.8	S.	44	NW.	1	5	3	2	7	6	6	2	0	0	7	14	10	9	6	0	0	0	0	0	0	0	4	0
September	10.5	S.	46	N.	1	3	2	2	4	7	7	4	1	0	14	11	5	7	5	0	0	0	0	0	0	0	4	0
October	11.3	SW.	44	SW.	1	3	1	0	2	7	12	5	1	0	15	7	9	5	5	1	0	0	1	0	0	0	1	0
November	12.5	SW.	44	NE.	2	0	1	2	3	2	14	7	1	0	4	7	19	11	7	5	3	0	1	2	0	8	0	0
December	15.9	SW.	54	SW.	3	0	2	1	4	2	14	7	1	0	1	8	22	15	10	13	8	0	0	7	0	17	0	0
Year	12.5	SW.	58	SW.	19	27	38	28	39	43	110	54	27	0	78	142	146	124	84	73	39	3	2	52	3	108	34	1

SANDY HOOK, N. J.

[H_b=22 ft.; h_t=10 ft.; h_r=3 ft.; h_a=55 ft.]

Month.	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.
January	18.5	NW.	56	NW.	9	2	12	0	1	5	12	11	19	0	7	11	13	12	11	10	5	0	3	15	0	28	0	0
February	19.5	NW.	56	NE.	8	7	8	1	3	7	9	9	14	0	8	10	11	15	11	13	11	0	2	10	0	29	2	0
March	18.0	SW.	64	W.	10	1	6	3	5	14	12	13	8	0	14	8	9	11	8	4	4	0	5	4	0	14	1	4
April	17.2	SW.	63	NW.	7	4	8	4	1	11	13	10	9	0	6	14	10	15	12	2	0	0	3	0	0	3	4	0
May	12.7	SE.	38	N.	0	2	12	3	6	17	6	5	11	0	8	14	9	15	8	0	0	0	2	0	0	0	3	0
June	12.3	SW.	43	S.	2	7	6	4	5	12	13	5	8	0	6	15	9	13	12	0	0	0	1	0	0	0	9	0
July	12.6	S.	48	NW.	2	1	1	2	4	24	11	9	10	0	8	16	7	10	8	0	0	0	4	0	0	0	12	0
August	10.9	NE.	43	NW.	1	6	17	5	2	16	12	1	3	0	0	17	14	19	13	0	0	0	5	0	0	0	10	0
September	13.4	SW.	63	SE.	1	4	7	2	9	13	10	4	10	1	12	13	5	7	4	0	0	0	6	0	0	0	0	0
October	13.4	SW.	44	S.	2	2	5	1	1	13	18	13	9	0	15	11	5	4	4	0	0	0	2	0	0	0	3	0
November	18.5	W.	66	NE.	9	5	13	3	0	7	8	14	10	0	5	9	16	10	8	2	0	0	0	0	0	3	1	0
December	19.5	SW.	54	SE.	10	2	6	5	2	5	18	16	8	0	6	12	13	9	8	6	3	0	3	2	0	14	1	0
Year	15.5	SW.	66	NE.	61	43	101	33	39	144	142	110	119	1	95	150	121	140	107	37	23	0	36	31	0	91	46	4

Annual meteorological summary for the year ending December 31, 1920—Continued.

SAN FRANCISCO, CALIF.

[ϕ=37° 48′ N.; λ=122° 26′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.959	30.190	29.716	48.1	54.3	55.3	58.9	45.5	52.2	70	38	40	39	41	78	61	62	0.258	0.250	0.266	0.26	0.22	2.4	5.0	4.8	4.2
February	29.914	30.140	29.570	48.1	53.9	55.5	59.4	46.2	52.8	70	42	42	40	43	81	63	66	.271	.258	.285	1.23	.41	4.9	4.0	3.3	3.9
March	29.844	30.290	29.280	48.0	55.4	55.4	59.0	46.1	52.6	69	41	42	42	43	82	61	65	.274	.267	.283	3.25	.95	5.2	4.6	4.6	3.7
April	29.854	30.050	29.540	49.2	59.8	56.8	62.1	47.7	54.9	79	44	42	45	45	78	61	67	.274	.310	.304	1.36	.86	3.8	3.1	3.2	3.0
May	29.799	29.980	29.500	49.8	59.5	58.1	62.9	48.6	55.8	75	45	44	45	45	81	61	63	.289	.303	.297	T.	T.	4.8	3.1	1.5	2.6
June	29.766	30.010	29.610	54.7	65.0	62.0	67.7	52.6	60.2	92	49	50	52	52	86	67	72	.366	.401	.395	.04	.04	5.0	2.7	2.8	3.0
July	29.852	30.010	29.680	53.2	61.0	60.7	64.1	51.6	57.8	72	48	51	53	54	94	76	78	.376	.405	.410	T.	T.	7.5	3.3	2.4	4.5
August	29.761	29.980	29.600	55.0	64.1	61.3	66.8	53.4	60.1	79	50	53	56	56	95	76	84	.407	.454	.453	.00	.00	7.7	1.6	1.9	1.6
September	29.802	29.950	29.650	55.9	64.6	62.3	67.0	53.9	60.4	86	50	54	56	54	93	74	76	.414	.442	.421	.13	.13	5.3	3.5	2.9	3.7
October	29.846	30.090	29.513	54.9	64.0	62.5	67.2	53.2	60.2	78	49	48	46	49	81	55	62	.346	.325	.351	1.83	.85	3.3	3.5	3.3	3.1
November	29.931	30.150	29.670	51.9	57.6	57.3	60.4	50.3	55.4	69	45	47	46	47	83	67	71	.322	.318	.332	2.70	.66	5.8	6.3	6.5	6.2
December	29.933	30.220	29.390	48.5	53.1	52.8	55.8	46.2	51.0	61	42	42	42	42	80	69	70	.273	.276	.275	7.48	2.02	5.4	5.6	6.0	5.8
Year	29.855	30.290	29.280	51.4	59.4	58.3	62.6	49.6	56.1	92	38	46	47	48	84	66	70	.322	.334	.339	18.28	2.02	5.1	3.9	3.6	3.8

SAN JOSE, CALIF.

[ϕ=37° 20′ N.; λ=121° 54′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.973	30.200	29.798	....	55.8	58.2	61.4	37.5	49.4	76	27	....	43	44	....	64	61	....	0.282	0.296	0.10	0.09	....	3.7	4.2	3.9
February	29.930	30.160	29.683	....	54.9	58.6	61.2	39.1	50.2	70	32	....	43	44	....	67	61	....	.282	.293	1.04	*1.11	....	4.3	3.3	4.7
March	29.902	30.284	29.410	....	57.0	58.4	61.2	40.7	50.9	70	34	....	45	46	....	67	63	....	.303	.308	3.43	1.05	....	3.3	3.7	4.3
April	29.886	30.070	29.702	....	66.6	63.9	67.9	42.2	55.0	85	33	....	45	45	....	53	52	....	.301	.302	.92	.66	....	2.4	2.3	2.6
May	29.840	30.002	29.578	....	68.7	71.3	73.0	43.7	58.4	90	36	....	47	48	....	48	49	....	.326	.336	T.	T.	....	1.5	1.1	2.0
June	29.813	29.997	29.647	....	75.4	74.0	78.7	50.2	64.4	101	44	....	52	52	....	47	49	....	.395	.398	.21	.20	....	1.7	1.2	2.1
July	29.878	30.005	29.767	....	73.1	73.6	77.4	51.5	64.4	89	47	....	54	55	....	54	54	....	.427	.440	.00	.00	....	.6	.8	1.8
August	29.804	30.005	29.679	....	78.0	77.6	82.9	54.5	68.7	93	49	....	57	58	....	50	51	....	.469	.474	.00	.00	....	.8	.5	1.8
September	29.850	29.954	29.761	....	72.7	70.6	76.5	51.1	63.8	92	43	....	53	54	....	52	56	....	.410	.415	.02	.02	....	1.8	1.8	2.3
October	29.878	30.067	29.551	....	65.5	64.9	69.8	45.7	57.8	83	37	....	49	49	....	57	58	....	.353	.360	1.71	.66	....	2.8	3.0	3.0
November	29.958	30.138	29.756	....	59.8	58.7	62.7	43.4	53.0	72	33	....	49	49	....	68	73	....	.349	.359	1.84	.64	....	5.8	5.8	5.8
December	29.960	30.191	29.550	....	53.6	53.4	57.2	39.7	48.4	65	32	....	45	46	....	75	75	....	.304	.307	3.58	1.06	....	5.0	5.9	5.9
Year	29.891	30.284	29.410	....	65.1	65.3	69.2	44.9	57.0	101	27	....	49	49	....	58	58	....	.350	.357	12.85	1.11	....	2.8	2.8	3.4

SAN JUAN, P. R.

[ϕ=18° 29′ N.; λ=66° 07′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.973	30.081	29.840	75.4	77.8	....	79.0	70.5	74.8	83	68	68	69	....	79	75	....	0.692	0.707	....	6.39	2.17	5.0	4.5	....	5.3
February	29.897	30.060	29.700	75.4	79.2	....	81.5	69.8	75.6	87	67	70	70	....	83	75	....	.721	.740	....	3.15	.66	4.1	5.2	....	4.7
March	29.947	30.140	29.770	76.8	78.9	....	81.3	70.3	75.8	88	68	69	69	....	77	73	....	.709	.714	....	3.48	.69	4.5	5.1	....	4.7
April	29.931	30.065	29.810	79.0	81.4	....	83.8	71.2	77.5	90	69	69	69	....	72	68	....	.713	.718	....	1.59	1.02	3.4	3.0	....	3.1
May	29.866	29.986	29.730	81.0	83.1	....	86.1	73.3	79.7	92	70	71	71	....	72	68	....	.758	.768	....	4.71	2.80	5.2	6.1	....	5.1
June	29.930	30.040	29.800	81.3	82.0	....	84.9	73.8	79.4	92	71	72	73	....	75	74	....	.797	.809	....	5.31	1.48	6.2	7.0	....	6.0
July	29.990	30.062	29.890	81.3	81.8	....	83.2	75.7	79.4	85	72	74	74	....	77	77	....	.826	.838	....	3.87	.89	5.7	5.4	....	5.5
August	29.928	30.010	29.820	81.3	82.5	....	84.2	75.5	79.8	90	71	74	74	....	77	75	....	.827	.824	....	5.38	1.48	4.7	4.7	....	4.8
September	29.885	29.990	29.780	82.0	82.6	....	84.9	75.0	80.0	90	69	74	75	....	78	77	....	.852	.857	....	6.27	1.65	4.6	5.1	....	4.9
October	29.844	29.966	29.700	80.9	82.1	....	84.4	74.4	79.4	89	72	74	75	....	79	79	....	.830	.858	....	5.36	2.05	3.8	5.3	....	4.6
November	29.889	30.008	29.770	79.3	81.5	....	82.8	73.0	77.9	84	72	72	73	....	80	76	....	.796	.821	....	5.22	1.21	4.0	4.0	....	4.2
December	29.927	30.024	29.800	76.4	79.5	....	80.8	70.8	75.8	83	67	70	71	....	82	75	....	.741	.756	....	5.30	1.69	5.7	4.2	....	4.8
Year	29.917	30.140	29.700	79.2	81.0	....	83.1	72.8	77.9	92	67	71	72	....	78	74	....	.772	.784	....	56.03	2.80	4.7	5.0	....	4.8

SAN LUIS OBISPO, CALIF.

[ϕ=35° 18′ N.; λ=120° 39′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.895	30.100	29.650	44.9	61.6	58.3	65.2	40.4	52.8	84	30	35	36	40	72	44	56	0.216	0.230	0.264	0.82	0.82	4.0	3.4	4.0	3.8
February	29.860	30.050	29.600	48.2	61.1	58.2	64.0	44.8	54.4	76	33	42	43	44	80	54	63	.268	.281	.298	2.36	.72	5.1	4.4	5.1	4.8
March	29.830	30.180	29.430	45.3	59.0	56.1	62.2	42.3	52.2	76	33	39	41	43	80	54	64	.241	.262	.280	4.78	1.40	3.3	4.2	4.0	4.2
April	29.816	29.980	29.670	46.7	62.0	57.5	65.4	43.8	54.6	80	36	40	44	44	81	54	63	.256	.297	.294	1.65	.74	4.4	2.9	3.1	3.3
May	29.752	29.930	29.510	49.1	66.4	60.6	69.6	46.1	57.8	90	41	42	45	46	81	50	60	.268	.309	.312	T.	T.	5.6	1.9	2.4	2.8
June	29.737	29.900	29.593	52.2	69.4	64.4	73.4	50.3	61.8	99	40	48	49	50	86	51	62	.333	.353	.369	.05	.05	6.4	2.3	2.2	3.3
July	29.789	29.920	29.636	54.7	73.6	68.1	77.2	50.8	64.0	89	45	48	50	51	83	45	54	.338	.360	.369	T.	T.	6.2	1.0	.5	1.6
August	29.736	29.930	29.575	53.8	74.3	70.6	78.2	53.0	65.6	92	48	51	52	53	91	48	54	.374	.396	.395	.03	.03	8.1	1.4	1.2	2.7
September	29.753	29.890	29.580	53.7	73.8	66.6	76.7	50.5	63.6	94	44	48	48	51	83	43	59	.336	.340	.377	T.	T.	4.1	1.3	1.7	2.4
October	29.787	30.020	29.440	51.0	70.3	62.1	72.2	46.6	59.4	86	35	43	43	47	76	43	60	.277	.294	.328	1.23	.54	2.8	2.1	1.7	2.5
November	29.888	30.030	29.690	48.4	64.4	59.4	67.4	45.1	56.2	80	34	41	43	45	78	51	62	.271	.287	.304	1.64	.74	3.6	4.9	4.1	4.0
December	29.893	30.070	29.617	46.0	58.8	55.3	61.8	42.5	52.2	72	31	39	41	43	79	55	65	.248	.265	.282	3.85	1.22	4.7	5.1	3.5	4.5
Year	29.811	30.180	29.430	49.5	66.3	61.4	69.4	46.4	57.9	99	30	43	45	46	81	49	60	.286	.306	.323	16.41	1.40	4.9	2.9	2.8	3.3

* February 29—March 1.

Annual meteorological summary for the year ending December 31, 1920—Continued.

SAN FRANCISCO, CALIF.

[H_b=155 ft.; h_1=208 ft.; h_r=202 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.	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	7.0	N.	45	NE.	1	13	6	4	4	1	7	8	19	0	15	8	8	4	2	0	0	0	4	0	0	0	0	0
February	7.3	W.	30	NE.	0	6	11	2	5	1	14	12	7	0	16	7	6	6	5	0	0	0	6	0	0	0	0	0
March	10.2	NW.	34	NW.	0	2	2	1	4	5	11	18	19	0	18	8	5	10	10	0	0	0	1	0	0	0	0	0
April	12.6	W.	42	W.	1	4	1	0	2	2	17	20	13	1	20	5	5	3	3	0	0	0	0	0	0	0	0	0
May	12.8	SW.	35	SW.	0	0	2	0	2	0	27	29	2	0	22	6	3	0	0	0	0	0	0	0	0	0	0	0
June	13.9	SW.	38	W.	0	0	0	0	2	4	28	25	1	0	19	7	4	1	1	0	0	0	0	0	1	0	0	0
July	15.1	SW.	40	W.	1	0	0	0	0	0	35	26	1	0	10	14	7	0	0	0	0	0	1	0	0	0	0	0
August	13.0	SW.	40	W.	1	0	0	0	1	1	36	22	0	2	22	8	1	0	0	0	0	0	0	0	0	0	0	0
September	12.0	SW.	37	SW.	0	0	1	0	2	1	10	41	3	2	16	8	6	1	1	0	0	0	1	0	0	0	0	0
October	9.1	W.	38	N.	0	6	2	0	10	0	14	25	5	0	18	8	5	7	6	0	0	0	0	0	0	0	0	0
November	7.3	SE.	27	SE.	0	5	7	1	13	9	6	11	7	1	9	6	15	12	11	0	0	0	1	0	0	0	0	0
December	8.4	SE.	41	S.	1	7	3	4	10	6	8	6	17	1	11	6	14	16	14	0	0	0	3	0	0	0	0	0
Year	10.7	SW.	45	NE.	5	43	35	12	55	30	213	243	94	7	196	91	79	60	53	0	0	0	17	0	1	0	0	0

SAN JOSE, CALIF.

[H_b=141 ft.; h_1=12 ft.; h_r=3 ft.; h_a=110 ft.]

Month.	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.
January	4.9	SE.	36	N.	0	3	0	1	1	3	1	9	13	0	15	8	8	2	1	0	0	0	4	0	0	4	0	0
February	4.9	SE.	25	N.	0	1	1	1	3	1	3	7	12	0	13	6	10	6	6	0	0	0	5	0	0	1	0	0
March	6.2	W.	30	NW.	0	1	0	0	1	4	2	12	11	0	15	8	8	13	11	0	0	1	3	0	0	0	0	0
April	7.4	NW.	28	SW.	0	0	0	0	1	0	2	7	20	0	23	2	5	4	3	0	0	0	1	0	0	0	0	0
May	6.0	NW.	23	NW.	0	0	0	0	0	0	0	2	29	0	24	5	2	0	0	0	0	0	1	0	1	0	0	0
June	6.9	NW.	31	SW.	0	0	0	0	0	1	3	3	23	0	24	5	1	2	1	0	0	0	0	0	4	0	0	0
July	6.1	NW.	23	SW.	0	0	0	0	0	0	1	3	27	0	28	3	0	0	0	0	0	0	0	0	0	0	0	0
August	6.0	NW.	24	SW.	0	0	0	0	0	0	2	6	23	0	27	4	0	0	0	0	0	0	5	0	6	0	0	0
September	5.7	NW.	24	W.	0	0	0	0	0	0	0	6	24	0	24	3	3	1	0	0	0	0	1	0	2	0	0	0
October	6.2	NW.	30	W.	0	0	0	0	0	3	2	7	19	0	18	9	4	9	7	0	0	0	3	0	0	0	1	0
November	5.7	SE.	34	SE.	0	1	2	0	6	2	4	2	13	0	9	6	15	14	10	0	0	0	1	0	0	0	0	0
December	6.5	SE.	34	E.	0	2	1	1	4	4	2	8	9	0	11	5	15	16	14	0	0	0	1	0	0	1	1	0
Year	6.0	NW.	36	N.	0	8	4	3	16	18	22	72	223	0	231	64	71	67	53	0	0	1	25	0	13	6	2	0

SAN JUAN, P. R.

[H_b=82 ft.; h_1=9 ft.; h_r=4 ft.; h_a=54 ft.]

Month.	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.
January	16.6	E.	44	E.	4	0	15	9	4	2	1	0	0	0	7	17	7	26	19	0	0	0	0	0	0	0	1	0
February	9.6	E.	32	E.	0	0	0	11	15	2	1	0	0	0	11	12	6	18	14	0	0	0	0	0	0	0	0	0
March	13.2	E.	40	E.	1	0	0	22	6	3	0	0	0	0	9	18	4	24	19	0	0	0	0	0	0	0	0	0
April	11.6	SE.	33	E.	0	1	0	18	7	4	0	0	0	0	16	13	1	8	4	0	0	0	0	0	1	0	4	0
May	11.4	SE.	38	E.	0	0	0	13	16	2	0	0	0	0	9	17	5	11	6	0	0	0	0	0	6	0	2	0
June	11.8	E.	42	E.	1	0	1	26	3	0	0	0	0	0	6	16	8	16	11	0	0	0	0	0	1	0	3	0
July	18.4	E.	40	E.	2	0	1	30	0	0	0	0	0	0	5	19	7	21	13	0	0	0	0	0	0	0	6	0
August	14.0	E.	36	N.	0	0	5	22	2	0	1	0	1	0	10	18	3	19	13	0	0	0	0	0	1	0	8	0
September	11.3	E.	33	NE.	0	0	5	21	3	0	0	1	0	0	9	18	3	23	14	0	0	0	0	0	2	0	12	0
October	7.8	NE.	34	E.	0	1	4	8	8	7	3	0	0	0	12	14	5	17	13	0	0	0	0	0	0	0	12	0
November	10.1	E.	40	NE.	2	0	1	15	11	1	1	0	0	1	10	17	3	20	15	0	0	0	0	0	0	0	2	0
December	11.5	E.	48	E.	2	0	2	16	8	4	1	0	0	0	10	15	6	23	18	0	0	0	0	0	0	0	1	0
Year	12.3	E.	48	E.	12	2	34	211	83	25	8	1	1	1	114	194	58	226	159	0	0	0	0	0	11	0	51	0

SAN LUIS OBISPO, CALIF.

[H_b=201 ft.; h_1=32 ft.; h_r=23 ft.; h_a=40 ft.]

Month.	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.
January	3.0	N.	17	NE.	0	14	8	4	4	8	2	1	15	6	15	10	6	2	1	0	0	0	5	0	0	3	0	0
February	3.7	NW.	20	NE.	0	10	7	0	6	6	5	6	16	2	10	11	8	10	8	0	0	0	0	0	0	0	0	0
March	4.8	N.	22	NE.	0	15	4	0	2	5	4	8	21	3	16	7	8	12	9	0	0	2	2	0	0	0	1	0
April	5.0	NW.	21	W.	0	15	2	0	1	5	1	10	21	5	20	4	6	6	4	0	0	0	0	0	0	0	0	0
May	4.7	NW.	16	W.	0	12	4	0	3	3	1	4	29	6	22	5	4	0	0	0	0	0	1	0	1	0	0	0
June	4.8	NW.	18	W.	0	8	1	2	1	13	9	4	21	1	20	6	4	2	0	0	0	0	0	0	2	0	0	0
July	4.4	NW.	19	NE.	0	9	5	0	3	4	7	2	31	1	28	2	1	0	0	0	0	0	0	0	0	0	0	0
August	3.5	NW.	17	NW.	0	9	1	1	3	3	14	3	26	2	21	8	2	1	0	0	0	0	0	0	1	0	1	0
September	4.2	NW.	19	W.	0	14	2	0	1	3	4	8	25	3	22	5	3	0	0	0	0	0	1	0	2	0	0	0
October	4.1	NW.	18	W.	0	15	5	1	2	4	2	5	23	5	20	9	2	5	5	0	0	0	2	0	0	0	0	0
November	3.2	N.	26	NE.	0	18	9	1	2	6	1	5	13	5	12	10	8	7	6	0	0	0	2	0	0	0	1	0
December	3.9	N.	23	NW.	0	15	8	0	1	5	1	2	23	7	13	9	9	13	12	0	0	0	0	0	0	1	0	0
Year	4.1	NW.	26	NE.	0	154	56	9	29	65	51	58	264	46	219	86	61	58	45	0	0	2	13	0	6	4	3	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

SANTA FE, N. MEX.

[ϕ=35° 41′ N.; λ=105° 57′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	23.269	23.550	22.940	26.5	37.7	35.5	44.2	23.6	33.9	57	3	19	22	21	72	55	56	0.103	0.116	0.113	0.31	0.22	4.0	5.0	3.7	4.9
February	23.202	23.430	22.960	30.3	41.1	41.3	46.7	28.3	37.5	53	18	25	28	27	80	61	58	.137	.156	.148	1.12	.56	4.7	5.2	5.5	5.3
March	23.080	23.450	22.700	28.3	42.2	43.4	48.4	26.4	37.4	61	5	20	21	20	69	44	42	.106	.114	.109	.57	.29	3.2	4.2	4.5	4.3
April	23.040	23.270	22.650	31.5	46.3	47.6	52.3	29.3	40.8	69	13	23	23	21	69	42	38	.119	.124	.113	.73	.28	4.4	4.6	6.3	5.2
May	23.202	23.400	22.910	48.7	62.1	63.0	67.9	44.6	56.2	80	32	32	32	29	56	36	34	.190	.187	.169	2.28	1.39	3.4	5.2	5.0	4.7
June	23.293	23.440	23.130	55.4	70.4	70.1	75.7	51.5	63.6	83	45	39	36	34	56	32	32	.246	.222	.208	2.04	1.04	3.1	5.4	6.0	5.0
July	23.404	23.550	23.222	59.5	76.6	74.6	81.1	56.3	68.7	85	51	43	43	41	57	32	33	.287	.287	.269	1.04	.57	2.5	4.9	6.9	4.8
August	23.356	23.510	23.170	54.4	72.0	70.2	77.1	53.0	65.0	84	44	46	46	46	76	41	44	.323	.316	.316	1.98	.60	3.3	4.2	6.8	4.9
September	23.321	23.570	23.050	49.9	67.3	66.5	72.3	48.5	60.4	79	40	38	36	35	64	34	34	.232	.223	.211	.77	.22	3.2	4.5	4.4	4.3
October	23.244	23.600	22.890	40.0	55.3	52.5	60.0	37.5	48.8	74	22	29	27	28	66	36	43	.162	.148	.157	1.42	1.01	3.6	4.6	4.8	4.5
November	23.286	23.520	23.000	30.1	43.3	38.5	47.8	27.6	37.7	64	14	22	24	23	72	48	54	.119	.130	.127	.14	.07	2.5	4.0	2.8	3.6
December	23.173	23.630	22.680	20.8	32.6	28.8	38.0	16.8	27.4	54	4	14	17	16	74	52	58	.079	.091	.087	.84	.46	2.2	4.2	4.1	3.8
Year	23.239	23.630	22.650	39.6	53.9	52.7	59.3	37.0	48.1	85	3	29	30	28	68	43	44	.175	.176	.169	13.24	1.39	3.3	4.7	5.1	4.6

SAULT STE. MARIE, MICH.

[ϕ=46° 30′ N.; λ=84° 21′ W.]

January	29.492	30.310	28.750	0.6	6.4	7.1	13.9	-5.0	4.4	31	-23	-4	2	2	81	78	79	0.040	0.049	0.051	1.68	0.55	6.5	5.5	6.3	6.0
February	29.330	30.190	28.720	5.6	16.0	13.7	20.2	0.7	10.4	31	-19	2	10	9	86	76	80	.052	.071	.067	.45	.21	6.7	4.6	4.6	5.7
March	29.183	29.724	28.310	19.4	28.6	25.6	33.9	14.2	24.0	56	-14	15	22	20	82	76	79	.104	.128	.124	3.62	1.18	6.5	6.4	4.2	5.9
April	29.110	29.660	28.350	31.5	38.0	34.9	40.7	27.5	34.1	57	14	26	29	28	80	71	76	.145	.167	.160	3.71	1.25	6.4	6.9	5.9	6.3
May	29.419	29.830	29.000	45.4	54.7	51.3	59.2	38.9	48.6	85	28	38	41	39	74	62	65	.235	.269	.250	1.37	.68	4.1	3.2	2.7	3.8
June	29.307	29.650	29.048	56.1	66.8	63.1	71.3	48.7	60.0	84	37	50	55	52	81	67	70	.371	.443	.406	4.39	1.51	6.3	5.7	4.4	4.8
July	29.274	29.531	28.920	56.6	66.4	63.8	70.5	50.9	60.7	84	43	52	55	54	84	67	71	.387	.443	.430	2.00	.70	5.1	4.6	4.2	4.5
August	29.382	29.706	29.040	59.3	71.9	66.4	75.1	53.9	64.5	85	42	53	59	58	81	66	75	.417	.512	.492	1.87	1.02	5.4	4.3	4.4	4.5
September	29.319	29.704	28.900	53.7	65.4	58.9	69.0	49.3	59.2	85	32	48	55	51	82	70	77	.343	.445	.393	3.72	1.81	5.1	4.7	4.9	5.7
October	29.353	29.763	28.900	47.6	57.6	52.3	60.3	43.4	51.8	76	23	42	50	46	84	75	80	.292	.368	.332	.18	.07	6.4	5.0	5.7	6.8
November	29.388	29.870	28.740	30.5	34.0	33.7	37.1	28.0	32.6	51	11	27	29	28	86	80	78	.151	.165	.153	1.68	.44	9.0	9.3	8.8	9.6
December	29.155	29.722	27.980	24.4	26.9	26.5	30.0	20.5	25.2	45	-1	21	23	22	85	82	83	.118	.126	.124	4.44	1.48	8.5	8.7	8.4	8.5
Year	29.308	30.310	27.980	35.9	44.4	41.4	48.4	30.8	39.6	85	-23	31	36	34	82	72	76	.221	.266	.248	29.11	1.81	6.3	5.7	5.4	6.0

SAVANNAH, GA.

[ϕ=32° 05′ N.; λ=81° 05′ W.]

January	30.140	30.490	29.670	46.7	57.9	52.9	61.6	44.4	53.0	77	17	40	42	43	80	57	70	0.282	0.288	0.306	2.14	1.60	4.9	5.9	4.8	5.2
February	29.962	30.420	29.430	44.0	53.6	50.3	57.3	41.7	49.5	72	28	36	37	40	75	56	69	.239	.248	.270	3.53	1.20	6.1	5.1	4.8	5.7
March	30.045	30.478	29.460	51.3	61.8	55.9	65.1	48.2	56.6	84	27	43	42	45	73	51	68	.312	.317	.328	3.39	1.38	5.1	5.9	4.1	5.3
April	29.845	30.150	29.440	62.4	69.2	64.4	73.4	56.7	65.0	86	38	54	54	55	77	62	74	.456	.463	.466	6.35	2.25	5.3	6.5	5.9	5.9
May	29.947	30.290	29.690	67.2	75.9	68.9	78.3	62.8	70.6	89	58	61	59	61	80	57	77	.533	.510	.543	2.36	.76	5.6	6.0	6.3	5.3
June	29.957	30.250	29.700	75.8	83.7	76.2	87.3	69.1	78.2	100	63	68	66	67	78	57	75	.691	.640	.678	6.16	2.63	4.0	4.6	5.4	5.0
July	29.995	30.195	29.760	77.9	85.7	77.4	88.8	71.7	80.2	96	64	72	70	71	81	60	83	.774	.736	.772	7.30	1.58	5.2	6.0	7.6	6.3
August	29.992	30.140	29.790	77.5	84.7	78.4	87.6	72.5	80.0	95	66	72	72	72	86	66	83	.800	.781	.797	10.27	3.60	5.9	6.8	7.1	6.1
September	29.923	30.060	29.450	74.2	84.0	77.6	86.7	69.8	78.2	96	52	69	68	69	85	60	76	.724	.694	.728	5.94	2.09	3.7	5.5	3.3	5.3
October	30.075	30.370	29.780	60.5	73.9	67.4	76.3	57.6	67.0	86	43	55	53	56	82	51	68	.451	.432	.470	.43	.36	3.1	3.5	2.1	3.3
November	30.060	30.350	29.570	52.0	63.5	58.5	66.7	49.0	57.8	80	36	46	50	50	82	63	75	.333	.381	.382	4.77	2.74	4.9	5.4	3.9	5.2
December	30.018	30.300	29.720	46.0	56.4	52.6	60.8	43.2	52.0	71	32	40	45	44	82	68	74	.266	.320	.307	5.20	2.84	5.4	5.9	4.7	6.1
Year	29.997	30.490	29.430	61.3	70.9	65.0	74.2	57.2	65.7	100	17	55	55	56	80	59	74	.488	.484	.504	57.84	3.60	4.9	5.6	5.0	5.4

SCRANTON, PA.

[ϕ=41° 24′ N.; λ=75° 42′ W.]

January	29.296	30.030	28.610	16.8	21.1	20.0	26.0	11.4	18.7	39	-6	13	16	12	84	78	70	0.086	0.094	0.082	2.79	0.70	7.9	7.7	5.5	7.3
February	29.120	30.020	28.580	21.5	27.6	26.2	32.0	17.6	24.8	46	-5	18	21	18	86	76	69	.104	.119	.105	4.74	1.83	7.8	8.0	6.2	7.4
March	29.127	29.550	28.460	32.8	42.6	40.3	48.9	27.5	38.2	73	8	27	31	27	80	66	62	.161	.193	.161	3.50	2.00	5.8	5.7	4.5	5.4
April	28.966	29.360	28.360	41.1	49.2	46.3	54.5	36.4	45.4	73	23	36	37	34	83	65	65	.218	.229	.207	2.53	.55	6.5	6.4	7.1	6.7
May	29.213	29.658	28.850	53.5	63.1	59.4	67.6	46.9	57.2	85	34	45	47	42	74	58	56	.309	.331	.281	2.48	1.25	4.8	5.7	6.9	5.8
June	29.127	29.513	28.670	63.8	73.3	69.1	77.5	56.3	66.9	91	49	55	53	55	74	52	63	.444	.422	.445	5.00	2.03	5.6	6.9	7.5	6.9
July	29.145	29.390	28.730	66.5	76.0	72.0	80.0	59.2	69.6	89	47	59	61	60	78	60	68	.516	.540	.534	5.42	1.47	5.5	6.3	5.3	5.8
August	29.231	29.500	28.860	66.7	76.7	71.1	80.4	61.2	70.8	88	49	62	65	62	85	69	73	.563	.638	.560	3.33	.92	7.7	7.9	7.9	7.5
September	29.172	29.479	28.510	57.9	69.4	65.2	74.1	53.7	63.9	84	37	53	53	54	84	59	68	.417	.424	.436	4.94	1.70	5.7	6.0	4.1	5.8
October	29.247	29.512	28.530	49.9	63.1	58.2	68.5	46.5	57.5	81	35	46	48	48	88	60	71	.318	.351	.352	2.02	1.12	4.7	4.5	2.2	4.3
November	29.244	29.710	28.460	37.9	42.0	40.3	45.4	35.0	40.2	59	21	35	37	34	89	83	79	.207	.227	.205	2.97	.86	8.6	8.9	7.1	8.1
December	29.087	29.643	28.450	32.2	35.5	34.2	39.4	27.9	33.6	63	13	29	30	27	87	81	75	.169	.178	.152	3.03	1.00	8.6	8.5	6.3	7.7
Year	29.165	30.030	28.360	45.0	53.3	50.2	57.9	40.0	48.9	91	-6	40	42	39	83	67	68	.293	.312	.293	42.75	2.03	6.6	6.9	5.9	6.6

Annual meteorological summary for the year ending December 31, 1920—Continued.

SANTA FE, N. MEX.

[H_b=7,013 ft.; h_t=57 ft.; h_r=49 ft.; h_a=66 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	NE.	30	N.	0	14	28	5	3	2	4	2	4	0	14	6	11	6	2	9	6	0	0	5	0	29	0	0
February	7.3	SW.	33	W.	0	10	10	3	5	5	10	5	10	0	10	6	13	8	5	4	2	0	0	0	0	20	1	0
March	10.1	SW.	42	SW.	1	12	6	4	5	4	14	4	13	0	14	8	9	4	4	12	3	0	0	0	0	26	1	1
April	9.8	SW.	47	SW.	3	10	2	10	4	1	15	9	9	0	10	10	10	8	4	10	8	0	0	1	0	18	3	0
May	9.1	SW.	37	S.	0	2	9	12	13	4	19	2	1	0	17	5	9	5	5	1	0	1	0	0	0	0	8	0
June	7.1	E.	30	SE.	0	4	4	22	9	4	11	1	4	1	12	9	9	12	8	0	0	0	0	0	0	0	15	0
July	6.8	E.	30	SE.	0	8	12	20	7	4	4	2	5	0	8	18	5	8	6	0	0	1	0	0	0	0	17	0
August	6.3	E.	29	NW.	0	7	14	12	8	2	8	4	7	0	9	15	7	11	9	0	0	1	0	0	0	0	16	0
September	7.1	E.	30	SW.	0	7	11	14	6	4	13	2	3	0	15	6	9	7	6	0	0	0	0	0	0	0	9	0
October	7.6	SW.	38	S.	0	6	9	13	12	4	11	4	2	1	11	14	6	7	5	5	4	0	1	0	0	12	0	0
November	7.7	N.	30	N.	0	14	12	12	13	4	3	0	2	0	17	6	7	5	1	4	3	0	1	1	0	24	0	0
December	6.7	N.	29	N.	0	12	22	13	3	3	4	1	4	0	14	12	5	6	4	9	6	0	0	8	0	31	0	0
Year	7.7	SW.	47	SW.	4	106	139	140	88	41	116	36	64	2	151	115	100	87	59	54	32	3	2	15	0	160	70	1

SAULT STE. MARIE, MICH.

[H_b=614 ft.; h_t=11 ft.; h_r=3 ft.; h_a=52 ft.]

Month.	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.
January	7.9	NW.	40	NW.	1	5	10	9	12	1	4	7	12	2	8	11	12	17	10	18	17	0	2	31	0	31	0	0
February	7.8	NW.	31	NW.	0	2	2	2	9	2	7	12	19	3	10	7	12	5	2	8	5	0	3	29	0	29	0	0
March	9.9	SE.	38	NW.	0	2	2	7	20	2	4	5	16	4	11	5	15	12	10	13	7	0	2	10	0	27	3	1
April	10.8	NW.	37	NW.	0	2	6	7	9	0	3	9	21	3	9	6	15	16	12	11	8	0	1	7	0	21	1	2
May	8.2	NW.	37	NW.	0	1	5	6	14	1	4	8	19	4	17	10	4	8	6	1	0	0	0	0	0	6	0	0
June	6.1	W.	42	W.	1	2	3	8	8	4	7	10	15	3	11	13	6	9	8	0	0	0	0	0	0	0	5	0
July	7.5	NW.	36	NW.	0	2	1	10	3	3	7	16	19	1	10	20	1	9	9	0	0	1	0	0	0	0	5	0
August	5.1	SE.	24	NW.	0	3	5	13	12	2	2	6	14	5	13	10	8	7	4	0	0	0	2	0	0	0	3	0
September	6.4	SE.	40	NW.	1	3	2	8	14	5	4	5	14	5	9	9	12	9	7	0	0	0	2	0	0	0	3	0
October	7.2	SE.	28	NW.	0	7	2	10	14	4	9	6	7	3	5	10	16	5	2	1	1	0	1	0	0	4	0	0
November	8.1	SE.	30	NW.	0	6	10	10	9	5	10	5	3	2	0	2	28	13	9	10	8	0	0	7	0	19	0	0
December	9.5	SE.	28	NW.	0	4	6	12	16	1	10	1	10	2	2	5	24	20	17	22	18	0	2	18	0	29	0	0
Year	7.9	NW.	42	W.	3	39	54	102	140	30	71	90	169	37	105	108	153	130	96	84	64	1	15	102	0	166	20	3

SAVANNAH, GA.

[H_b=65 ft.; h_t=150 ft.; h_r=143 ft.; h_a=194 ft.]

Month.	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.
January	13.6	NE.	44	W.	2	6	14	1	3	10	11	11	6	0	13	4	14	8	6	0	0	0	4	0	0	4	0	0
February	13.2	NW.	43	W.	2	2	6	3	4	6	6	12	19	0	11	4	14	12	10	0	0	0	1	0	0	4	2	0
March	13.7	NW.	52	W.	3	5	8	9	8	11	5	7	9	0	12	7	12	9	8	1	0	0	1	0	0	5	3	0
April	13.9	S.	49	W.	3	5	3	5	4	20	9	9	5	0	10	4	16	12	11	0	0	0	3	0	0	0	8	0
May	11.8	E.	50	W.	1	7	12	18	7	8	2	5	3	0	8	13	10	10	9	0	0	0	1	0	0	0	4	0
June	10.7	SW.	33	E.	0	2	8	6	8	13	13	6	4	0	14	8	8	10	9	0	0	1	0	0	11	0	8	0
July	10.2	SW.	38	N.	0	3	5	2	4	17	17	12	2	0	4	17	10	16	13	0	0	0	0	0	13	0	14	0
August	8.4	S.	32	NE.	0	5	4	6	4	18	12	9	4	0	8	11	12	15	14	0	0	0	1	0	10	0	12	0
September	9.0	NE.	39	NW.	0	9	14	5	4	8	4	11	5	0	11	13	6	13	12	0	0	1	3	0	9	0	6	0
October	9.3	NE.	30	SW.	0	11	20	9	9	1	3	1	8	0	18	7	6	2	2	0	0	0	4	0	0	0	1	0
November	11.2	NE.	37	NW.	0	5	17	5	6	4	4	8	11	0	12	7	11	7	6	0	0	0	4	0	0	0	0	0
December	12.0	W.	49	W.	1	3	11	4	3	6	4	18	13	0	9	6	16	15	11	0	0	0	0	0	0	1	1	0
Year	11.4	NE.	52	W.	12	63	122	73	64	122	90	109	89	0	130	101	135	129	111	1	0	2	22	0	43	14	55	0

SCRANTON, PA.

[H_b=805 ft.; h_t=111 ft.; h_r=102 ft.; h_a=119 ft.]

Month.	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.
January	8.6	SW.	36	SW.	0	8	7	2	2	11	15	9	8	0	2	11	18	13	10	18	11	0	0	22	0	31	0	0
February	8.6	SW.	27	SW.	0	10	4	0	3	9	13	7	12	0	2	10	17	14	10	20	14	0	2	14	0	29	0	0
March	8.5	SW.	33	W.	0	9	4	2	5	14	13	11	4	0	11	9	11	9	7	7	5	1	0	5	0	17	0	2
April	9.0	SW.	33	SW.	0	5	10	2	7	4	13	8	11	0	6	7	17	16	14	6	2	0	1	0	0	7	2	0
May	6.4	NW.	34	W.	0	8	9	2	7	6	8	9	13	0	7	13	11	8	6	0	0	1	0	0	0	0	2	0
June	5.9	SW.	31	NE.	0	6	9	1	4	11	13	3	12	1	3	12	15	12	10	0	0	0	0	0	2	0	7	0
July	6.7	SW.	33	SW.	0	7	3	2	7	13	13	7	10	0	5	19	7	13	10	0	0	0	0	0	0	0	11	0
August	5.0	N.	30	SW.	0	8	13	4	3	8	13	0	13	0	2	12	17	14	10	0	0	0	0	0	0	0	8	0
September	5.6	N.	29	SW.	0	14	7	2	2	9	9	4	13	0	7	16	7	13	10	0	0	0	0	0	0	0	4	0
October	5.9	N.	26	SW.	0	15	6	0	3	8	11	6	13	0	15	11	5	7	5	0	0	0	5	0	0	0	3	0
November	7.4	SW.	35	SW.	0	6	11	3	4	13	8	8	7	0	2	7	21	14	11	10	5	0	0	0	0	8	0	0
December	8.5	SW.	35	SW.	0	5	6	0	5	9	20	9	8	0	4	8	19	13	9	12	4	0	0	5	0	22	0	0
Year	7.2	SW.	36	SW.	0	101	89	20	52	115	149	81	124	1	66	135	165	146	112	73	41	2	8	46	2	114	37	2

Annual meteorological summary for the year ending December 31, 1920—Continued.

SEATTLE, WASH.

[ϕ=47° 38′ N.; λ=122° 20′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	30.099	30.520	29.670	38.2	40.6	42.3	44.6	35.9	40.2	63	24	36	36	37	92	84	82	0.218	0.219	0.227	3.92	0.96	7.5	8.5	7.5	8.5
February	30.136	30.410	29.730	36.6	42.0	44.4	46.3	34.3	40.3	55	30	34	34	34	89	76	71	.194	.198	.198	.34	.32	5.3	6.3	5.6	6.4
March	29.800	30.300	29.280	40.5	46.9	48.0	50.7	38.2	44.4	63	32	37	36	35	86	66	63	.220	.212	.207	2.82	1.63	7.4	7.9	8.0	7.9
April	29.917	30.415	29.330	40.2	47.3	49.6	52.7	38.5	45.6	71	30	37	36	37	90	67	64	.225	.217	.221	3.46	.95	7.9	7.0	7.4	7.5
May	29.979	30.240	29.646	44.8	53.6	57.4	59.7	43.6	51.6	79	40	41	39	37	85	59	49	.254	.238	.223	.96	.34	6.5	5.8	4.6	5.9
June	29.925	30.230	29.639	51.4	60.9	64.5	66.6	50.5	58.6	81	43	47	46	46	86	61	54	.328	.319	.316	1.93	.61	6.9	6.1	5.6	6.6
July	29.954	30.190	29.760	55.9	65.6	71.0	73.5	54.8	64.2	89	49	52	52	52	88	64	54	.390	.396	.395	1.00	.87	5.4	3.7	3.8	4.7
August	29.923	30.189	29.390	56.2	65.9	71.9	74.2	54.7	64.4	86	50	52	53	53	85	64	53	.387	.402	.400	1.15	.79	3.1	2.7	3.1	3.3
September	29.793	30.240	29.140	53.1	58.9	62.3	64.0	51.5	57.8	81	48	50	50	50	88	74	66	.355	.361	.360	2.34	.65	6.8	7.1	5.9	7.1
October	29.884	30.300	29.400	47.3	51.7	52.3	54.8	45.4	50.1	64	34	44	46	45	89	80	78	.294	.308	.307	4.19	1.37	7.8	8.7	6.9	8.3
November	29.924	30.330	29.330	43.9	49.8	49.4	52.5	41.4	47.0	59	32	39	39	40	84	68	73	.242	.245	.257	4.42	1.42	6.5	6.8	6.6	7.0
December	29.776	30.460	28.920	42.7	44.8	44.3	46.8	39.9	43.4	53	31	38	38	39	83	78	83	.230	.233	.242	5.68	1.41	8.5	9.5	8.6	9.5
Year	29.926	30.520	28.920	45.9	52.3	54.8	57.2	44.1	50.6	89	24	42	42	42	87	70	66	.278	.279	.279	32.21	1.63	6.6	6.7	6.1	6.9

SHERIDAN, WYO.

[ϕ=44° 48′ N.; λ=106° 57′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	26.152	26.513	25.580	16.0	28.4	24.7	36.5	9.0	22.8	60	−19	11	17	17	81	62	74	0.077	0.098	0.097	0.81	0.36	3.8	6.1	5.6	5.9
February	26.166	26.530	25.740	20.1	33.0	29.0	37.6	16.5	27.0	52	− 5	16	18	20	85	54	68	.093	.102	.110	.94	.31	5.6	4.5	5.7	4.8
March	25.910	26.595	25.200	22.7	37.2	34.9	41.8	18.9	30.4	64	−17	17	19	20	80	49	56	.103	.106	.113	.83	.25	6.0	5.7	6.1	4.9
April	25.966	26.470	25.510	28.8	41.3	40.6	46.0	26.8	36.4	64	4	25	29	28	85	62	64	.138	.165	.159	3.45	1.20	8.0	7.1	7.1	6.5
May	26.064	26.410	25.710	43.5	57.5	57.5	62.3	40.0	51.2	81	31	38	37	38	81	52	53	.228	.225	.231	3.12	1.27	5.4	6.1	5.9	5.4
June	26.081	26.340	25.800	52.4	69.0	68.0	73.9	47.6	60.8	91	31	45	46	45	77	48	46	.303	.317	.303	1.88	1.01	3.6	5.7	6.1	4.7
July	26.187	26.375	25.834	58.1	79.1	78.8	84.3	52.8	68.6	95	37	51	50	53	78	40	44	.378	.371	.408	1.51	.81	2.6	4.2	5.2	3.5
August	26.138	26.450	25.768	52.7	79.8	77.3	83.9	50.1	67.0	98	32	46	44	47	79	31	37	.319	.295	.331	.68	.35	2.9	3.0	4.8	3.2
September	26.061	26.570	25.590	42.6	70.3	66.9	75.1	39.9	57.5	93	25	36	38	38	79	32	36	.218	.234	.232	.16	.13	3.4	3.5	4.0	3.7
October	26.071	26.400	25.700	34.8	55.0	50.9	58.5	30.5	44.5	90	16	27	30	29	75	47	47	.150	.174	.159	1.19	.72	4.8	6.1	5.3	5.5
November	26.194	26.707	25.730	21.4	36.3	30.5	40.1	16.5	28.3	56	−11	17	21	21	83	54	68	.102	.119	.115	.49	.17	4.7	4.1	3.5	5.1
December	25.978	26.460	25.370	19.1	31.2	25.2	36.7	12.6	24.6	54	−15	13	16	17	77	56	71	.082	.094	.098	.52	.26	5.9	5.7	4.7	4.7
Year	26.081	26.707	25.200	34.4	51.5	48.7	56.4	30.1	43.3	98	−19	28	30	31	80	49	55	.183	.192	.196	15.58	1.27	4.7	5.2	5.3	4.8

SHREVEPORT, LA.

[ϕ=32° 30′ N.; λ=93° 40′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	29.951	30.260	29.490	42.0	48.1	48.5	53.3	39.1	46.2	77	28	38	38	39	84	71	72	0.243	0.244	0.247	7.06	4.01	7.5	6.4	5.8	6.7
February	29.853	30.250	29.480	45.4	55.2	55.8	60.3	43.4	51.8	76	30	40	40	41	83	59	60	.265	.267	.279	1.43	.47	5.1	4.7	3.8	4.9
March	29.749	30.370	29.050	49.4	60.6	61.3	66.3	47.5	56.9	82	24	39	39	43	70	50	54	.266	.276	.311	5.08	1.82	5.0	4.5	4.5	5.0
April	29.554	29.890	29.180	56.0	68.9	69.6	75.0	53.7	64.4	92	31	48	47	48	74	49	49	.357	.351	.361	4.01	1.45	4.3	3.2	2.1	3.8
May	29.674	29.890	29.480	69.2	79.1	79.1	84.0	66.5	75.2	93	55	64	63	65	84	59	62	.606	.580	.615	5.18	1.61	5.1	4.1	3.5	4.5
June	29.736	29.940	29.480	72.2	83.3	82.8	87.9	69.1	78.5	95	62	66	64	65	82	54	56	.652	.605	.615	5.23	2.76	2.7	3.5	2.7	3.3
July	29.762	29.930	29.490	75.4	85.8	83.9	90.4	72.6	81.5	96	66	71	71	71	88	62	67	.769	.749	.764	4.02	1.53	3.6	3.9	3.9	4.2
August	29.738	29.920	29.530	73.1	84.1	81.8	88.2	71.4	79.8	95	64	70	69	70	89	61	68	.733	.705	.726	2.82	1.23	5.3	4.7	4.0	4.8
September	29.715	29.970	29.370	70.8	84.3	81.3	88.1	69.2	78.6	95	46	68	66	67	89	54	63	.688	.648	.682	1.10	1.08	3.3	3.2	2.4	3.1
October	29.819	30.130	29.500	58.6	73.2	70.0	76.4	57.4	66.9	85	40	55	55	56	88	56	63	.450	.454	.470	2.89	1.16	3.9	3.0	3.4	4.0
November	29.937	30.340	29.600	44.2	57.5	55.4	62.2	42.3	52.2	81	27	39	41	41	83	56	60	.260	.284	.279	2.15	1.23	3.7	3.2	3.2	3.8
December	29.796	30.250	29.260	42.2	52.0	51.5	57.2	40.1	48.6	74	24	37	39	39	81	65	65	.235	.260	.259	6.37	3.49	5.4	5.4	3.8	5.2
Year	29.774	30.370	29.050	58.2	69.3	68.4	74.1	56.0	65.0	96	24	53	53	54	83	58	62	.460	.452	.467	47.34	4.01	4.6	4.2	3.6	4.4

SIOUX CITY, IOWA.

[ϕ=42° 29′ N.; λ=96° 24′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.994	29.540	28.380	15.2	20.4	21.5	26.8	11.4	19.1	51	− 3	12	14	16	84	77	78	0.075	0.087	0.091	0.33	0.15	5.7	7.4	6.1	6.5
February	28.897	29.390	28.350	21.6	25.8	27.2	31.6	18.2	24.9	48	−12	19	22	23	90	83	83	.113	.121	.128	.67	.30	7.4	7.6	5.9	7.4
March	28.606	29.280	27.690	29.6	39.9	40.6	47.2	26.3	36.8	76	− 9	25	28	29	82	64	66	.149	.164	.172	2.38	1.02	5.5	4.9	3.5	4.7
April	28.640	29.000	28.010	35.1	43.5	45.3	48.9	32.8	40.8	66	17	31	32	33	84	66	63	.178	.196	.197	6.35	1.72	7.6	7.5	7.4	7.1
May	28.808	29.213	28.380	54.1	64.5	65.4	69.5	51.0	60.2	84	39	48	51	49	80	63	57	.347	.382	.356	3.82	2.01	7.1	6.6	6.0	6.3
June	28.741	29.080	28.300	64.8	75.7	75.7	80.5	62.5	71.5	95	49	57	58	58	78	55	56	.485	.492	.505	3.06	1.65	6.2	5.5	5.6	5.6
July	28.807	29.030	28.520	67.7	79.2	80.0	84.2	64.6	74.4	98	55	62	62	63	82	56	57	.555	.556	.579	3.89	1.62	5.6	4.4	3.5	4.6
August	28.824	29.080	28.384	61.8	76.2	75.8	80.5	59.1	69.8	90	48	56	57	59	82	53	57	.463	.476	.505	4.30	.89	3.9	3.6	4.0	3.2
September	28.752	29.166	28.210	57.7	74.2	70.9	77.8	55.3	66.6	91	30	52	53	53	83	50	54	.410	.428	.422	1.94	.92	3.6	3.3	2.9	3.2
October	28.780	29.280	28.370	49.3	63.7	61.2	68.0	47.3	57.6	83	24	43	44	43	79	51	53	.301	.300	.299	2.36	1.17	4.2	3.3	2.8	3.5
November	28.912	29.520	28.400	30.2	36.9	36.8	41.5	27.4	34.4	60	11	27	29	29	85	74	74	.152	.164	.168	1.46	.54	7.5	6.8	6.6	7.3
December	28.717	29.190	28.098	21.3	27.6	26.8	31.6	18.1	24.8	49	−11	18	21	21	85	75	80	.107	.123	.125	1.40	1.16	5.6	6.5	4.9	6.3
Year	28.790	29.540	27.690	42.4	52.3	52.3	57.3	39.5	48.4	98	−12	38	39	40	83	64	65	.278	.291	.296	31.96	2.01	5.8	5.6	4.9	5.5

Annual meteorological summary for the year ending December 31, 1920—Continued.

SEATTLE, WASH.

[H_b=125 ft.; h_t=215 ft.; h_r=209 ft.; h_a=250 ft.]

Month.	Wind.													Number of days.													
	By self-register.				Number of winds, 8 a. m. and 8 p. m.												Precipitation.		Snow.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles	*	*Mi.*																									
January	8.8	SE.	48	S.	3	10	8	7	19	16	1	0	1	0	3	4	24	13	13	1	1	0	3	0	0	12	0	0
February	5.6	NE.	35	SW.	0	12	14	12	6	5	4	1	4	0	8	5	16	2	1	0	0	0	7	0	0	9	0	0
March	11.3	S.	43	S.	2	7	2	5	13	20	12	2	1	0	3	7	21	17	10	2	2	0	2	0	0	2	0	1
April	8.1	SE.	40	S.	1	7	8	3	14	12	6	6	4	0	5	3	22	16	13	4	4	2	0	0	0	2	0	0
May	8.9	S.	41	SW.	1	8	7	2	16	8	7	7	7	0	6	14	11	13	8	0	0	0	0	0	0	0	1	0
June	8.0	N.	33	SW.	0	14	5	4	9	8	7	7	6	0	5	11	14	13	9	0	0	0	1	0	0	0	1	0
July	7.2	N.	27	SW.	0	12	6	5	4	10	8	5	12	0	12	11	8	4	2	0	0	0	0	0	0	0	2	0
August	6.7	N.	42	S.	1	15	12	2	7	7	3	3	12	1	21	3	7	4	3	0	0	0	1	0	0	0	0	0
September	9.9	S.	48	S.	2	9	4	1	16	20	4	3	3	0	6	5	19	17	10	0	0	0	1	0	0	0	1	1
October	9.2	SE.	39	S.	0	12	2	7	20	13	1	3	4	0	2	7	22	18	14	0	0	1	3	0	0	0	1	0
November	9.2	SE.	60	S.	2	8	2	9	20	13	3	1	3	1	7	7	16	11	10	0	0	0	3	0	0	0	0	0
December	11.2	SE.	46	SW.	4	6	0	2	26	21	5	1	1	0	0	3	28	24	20	0	0	0	0	0	0	1	0	0
Year	8.7	S.	60	S.	16	120	70	59	170	153	61	39	58	2	78	80	208	152	113	7	7	3	21	0	0	26	6	2

SHERIDAN, WYO.

[H_b=3,790 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

January	4.3	NW.	38	NW.	0	1	2	2	9	20	7	2	19	0	8	9	14	5	3	12	5	0	0	10	0	31	0	0
February	5.8	NW.	37	NW.	0	4	0	6	1	12	6	3	26	0	10	9	10	9	8	13	9	0	2	6	0	29	0	0
March	7.1	NW.	42	NW.	3	3	3	2	6	9	11	1	27	0	10	11	10	11	8	14	10	0	0	7	0	30	0	0
April	6.8	NW.	38	NW.	0	2	9	4	6	10	4	0	25	0	7	9	14	19	13	16	14	1	0	2	0	24	1	0
May	7.8	NW.	36	SE.	0	2	4	9	13	9	8	2	15	0	10	11	10	10	10	1	0	0	0	0	0	1	2	0
June	5.5	NW.	34	NW.	0	2	8	9	8	8	7	1	17	0	12	10	8	10	8	0	0	2	0	0	2	1	10	0
July	4.2	S.	37	NW.	0	0	8	8	14	14	5	1	12	0	18	8	5	9	5	0	0	0	0	0	6	0	10	0
August	4.2	S.	34	SE.	0	5	3	4	8	19	14	2	7	0	19	8	4	7	4	0	0	0	0	0	9	0	7	0
September	4.7	S.	26	SW.	0	5	4	5	9	13	10	1	13	0	15	10	5	4	1	0	0	0	0	0	4	5	1	0
October	5.3	NW.	39	NW.	0	2	5	3	6	11	13	1	21	0	12	4	15	6	4	5	2	0	0	1	1	21	1	0
November	4.4	NW.	32	NW.	0	0	3	2	5	19	6	5	20	0	13	9	8	7	5	10	6	0	0	7	0	29	0	0
December	5.2	NW.	38	NW.	0	0	3	2	5	20	4	1	27	0	12	11	8	7	4	11	7	0	1	11	0	31	0	0
Year	5.4	NW.	42	NW.	3	26	52	56	90	164	95	20	229	0	146	109	111	104	73	82	53	3	3	44	22	292	32	0

SHREVEPORT, LA.

[H_b=249 ft.; h_t=77 ft.; h_r=70 ft.; h_a=93 ft.]

January	7.0	* N.	26	S.	0	25	9	4	4	7	3	3	7	0	9	5	17	14	12	1	0	0	0	0	0	6	1	0
February	7.3	NW.	26	N.	0	8	6	2	7	8	4	5	18	0	13	6	10	6	5	0	0	0	0	0	0	4	1	0
March	10.4	SE.	39	W.	0	7	4	2	21	13	4	4	7	0	16	3	12	9	9	1	0	1	1	0	0	5	4	0
April	10.1	SE.	42	NW.	1	4	4	4	14	13	5	6	10	0	17	5	8	8	5	0	0	0	0	0	1	1	7	0
May	6.8	SE.	48	W.	1	7	11	6	14	13	4	0	7	0	15	10	6	10	8	0	0	0	0	0	2	0	8	0
June	6.0	SE.	19	NW.	0	4	13	8	19	8	2	4	2	0	21	5	4	6	5	0	0	0	0	0	15	0	4	0
July	5.8	SE.	34	E.	0	8	2	11	16	12	11	0	2	0	14	13	4	9	7	0	0	0	0	0	22	0	10	0
August	5.2	S.	25	W.	0	3	8	6	14	18	3	4	6	0	10	16	5	9	7	0	0	0	1	0	9	0	5	0
September	6.2	S.	24	NW.	0	7	10	8	11	16	2	3	3	0	20	7	3	4	2	0	0	0	0	0	15	0	2	0
October	6.4	SE.	24	SE.	0	2	7	10	30	3	1	3	6	0	16	7	8	9	8	0	0	0	0	0	0	0	1	0
November	7.0	SE.	23	SW.	0	7	8	2	12	10	5	5	11	0	18	5	7	8	6	0	0	0	0	0	0	5	0	0
December	8.6	SE.	37	W.	0	5	2	5	18	5	5	12	10	0	13	7	11	14	9	0	0	0	0	0	0	7	2	0
Year	7.2	SE.	48	W.	2	87	84	68	180	126	49	49	89	0	182	89	95	106	83	2	0	1	2	0	64	28	45	0

SIOUX CITY, IOWA.

[H_b=1,135 ft.; h_t=94 ft.; h_r=86 ft.; h_a=164 ft.]

January	11.9	NW.	56	NW.	1	11	7	2	11	10	2	1	18	0	3	14	14	8	3	15	8	0	0	23	0	31	0	0
February	11.6	NW.	42	NW.	2	9	5	1	10	6	0	6	21	0	7	1	21	8	3	12	7	0	0	12	0	29	0	0
March	16.5	NW.	65	W.	12	8	4	3	10	9	2	5	20	1	14	9	8	6	6	6	5	1	0	4	0	20	1	0
April	13.3	N.	44	N.	2	14	12	7	5	7	1	3	9	2	3	12	15	17	13	6	5	0	0	2	0	13	3	0
May	12.6	E.	45	E.	4	3	5	21	12	14	1	1	5	0	9	8	14	10	9	0	0	0	0	0	0	0	6	0
June	12.3	S.	72	SW.	4	2	6	5	11	23	1	1	11	0	9	10	11	11	9	0	0	0	0	0	8	0	11	0
July	9.0	S.	57	W.	1	9	7	7	9	16	4	5	5	0	13	9	9	13	10	0	0	0	0	0	6	0	10	0
August	9.1	S.	39	NW.	0	10	8	10	11	15	0	2	4	2	20	5	6	10	9	0	0	0	0	0	1	0	7	0
September	10.6	S.	53	S.	3	8	4	3	12	17	2	1	11	2	19	7	4	7	5	0	0	0	1	0	2	1	4	0
October	12.0	S.	36	S.	0	2	7	1	24	11	3	2	12	0	17	8	6	5	4	0	0	0	0	0	0	2	2	0
November	11.9	NW.	54	NW.	3	5	8	4	13	5	1	9	15	0	6	5	19	9	7	9	1	0	2	4	0	21	0	0
December	13.1	NW.	55	W.	4	4	2	6	14	7	1	7	21	0	7	10	14	3	3	7	3	0	3	13	0	29	0	0
Year	12.0	NW.	72	SW.	36	85	75	70	142	140	18	43	152	7	127	98	141	107	81	55	29	1	6	58	17	146	44	0

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

SPOKANE, WASH.

[ϕ=47° 40′ N.; λ=117° 25′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.142	28.570	27.680	26.0	29.4	32.2	34.3	23.1	28.7	50	6	22	24	25	84	79	75	0.122	0.129	0.139	0.96	0.41	6.6	6.9	7.9	7.8
February	28.160	28.410	27.700	28.1	35.7	39.1	40.7	26.2	33.4	50	21	24	26	26	84	68	61	.127	.139	.142	.09	.05	4.2	5.9	5.2	5.3
March	27.808	28.408	27.340	33.4	43.5	45.7	47.6	31.1	39.4	63	20	26	26	25	75	51	45	.145	.146	.138	.81	.30	6.2	6.6	8.0	6.4
April	27.867	28.370	27.410	36.7	49.8	51.6	54.1	35.2	44.6	74	23	31	31	29	79	51	46	.172	.177	.163	1.43	.28	6.4	6.6	7.0	5.8
May	27.954	28.260	27.690	43.6	59.5	61.6	63.8	42.3	53.0	80	36	35	32	30	73	38	33	.206	.181	.170	1.02	.38	5.5	6.3	7.0	5.5
June	27.938	28.170	27.650	49.6	68.3	70.8	73.2	48.4	60.8	92	39	40	39	38	71	30	33	.254	.244	.229	.65	.38	4.8	4.9	6.4	4.3
July	27.950	28.160	27.740	60.6	82.7	87.2	88.4	60.0	74.2	101	51	46	44	42	59	28	22	.309	.300	.278	.66	.43	1.3	2.3	3.6	2.9
August	27.955	28.360	27.670	57.4	78.4	81.4	83.7	55.9	69.8	99	42	44	46	43	64	34	32	.301	.312	.290	1.25	1.08	3.6	3.2	3.6	3.5
September	27.879	28.390	27.480	49.9	65.0	68.3	70.5	48.0	59.2	87	42	43	44	42	78	49	42	.278	.290	.270	1.06	.29	4.7	4.2	4.2	4.3
October	27.947	28.330	27.560	41.2	52.6	53.9	57.0	38.9	48.0	77	28	35	38	37	79	58	54	.207	.231	.228	.36	.11	4.6	6.3	6.1	6.6
November	28.061	28.450	27.550	33.9	42.8	43.5	46.2	31.6	38.9	56	17	29	31	31	83	63	61	.167	.177	.178	1.30	.38	5.9	6.5	6.8	7.1
December	27.884	28.520	27.110	32.5	35.9	36.0	38.3	29.8	34.0	51	19	29	30	31	86	81	81	.160	.170	.173	2.59	.61	7.8	8.7	8.6	8.5
Year	27,962	28,570	27,110	41.1	53.6	55.9	58.2	39.2	48.7	101	6	34	34	33	76	53	49	.204	.208	.200	12.18	1.08	5.1	5.7	6.2	5.7

SPRINGFIELD, ILL.

[ϕ=39° 48′ N.; λ=89° 39′ W.]

January	29.555	30.010	28.860	19.6	25.6	24.9	29.8	16.1	23.0	45	0	17	19	19	88	73	78	0.098	0.106	0.106	0.79	0.34	5.7	4.7	5.3	5.0
February	29.409	29.840	28.890	25.4	32.4	31.9	37.1	23.7	30.4	58	0	22	22	25	85	65	73	.125	.131	.140	.58	.50	7.1	6.0	5.5	6.1
March	29.236	29.760	28.470	36.4	46.4	44.8	52.7	33.2	43.0	76	4	30	31	34	77	58	66	.182	.192	.208	6.34	2.30	4.1	4.7	4.9	4.7
April	29.128	29.560	28.570	41.9	49.1	49.0	55.0	38.4	46.7	77	17	36	36	39	81	64	69	.227	.230	.251	5.42	1.81	7.1	6.6	6.0	6.2
May	29.348	29.750	29.090	56.3	67.6	66.1	71.7	52.6	62.2	84	35	49	49	51	78	54	60	.368	.371	.399	6.89	3.91	6.1	6.1	5.9	5.7
June	29.315	29.580	28.880	66.3	80.2	77.6	83.5	62.1	72.8	95	49	58	58	59	75	49	54	.500	.504	.519	3.89	3.59	4.6	5.3	4.1	4.8
July	29.321	29.520	28.990	69.0	82.1	81.2	87.6	64.7	76.2	100	55	60	59	59	73	48	49	.518	.517	.513	.92	.43	4.9	5.8	4.2	4.9
August	29.342	29.560	29.080	66.0	77.8	76.2	82.5	63.3	72.9	94	50	60	60	61	82	56	62	.535	.529	.551	4.60	1.67	5.3	6.0	5.6	5.6
September	29.319	29.570	29.100	61.4	75.6	71.4	79.3	59.7	69.5	88	40	58	57	59	87	54	67	.493	.496	.532	3.08	1.22	3.7	3.5	4.2	4.1
October	29.403	29.740	29.000	51.9	67.1	61.8	70.5	50.6	60.6	82	30	46	50	49	81	56	66	.325	.373	.367	1.49	.55	4.2	3.7	2.9	4.2
November	29.458	29.990	28.960	35.3	43.8	41.4	47.2	32.9	40.0	68	16	30	32	32	82	64	70	.183	.197	.194	.79	.21	5.7	6.2	5.0	6.4
December	29.275	29.700	28.506	29.8	35.4	34.4	39.5	25.7	32.6	59	−1	27	28	29	89	75	79	.162	.170	.169	2.99	1.19	5.7	6.4	4.4	6.5
Year	29.342	30.010	28.470	46.6	56.9	55.1	61.4	43.6	52.5	100	−1	41	42	43	82	60	66	.310	.318	.329	37.78	3.91	5.4	5.4	4.8	5.4

SPRINGFIELD, MO.

[ϕ=37° 12′ N.; λ=93° 18′ W.]

January	28.785	29.180	28.200	27.3	33.9	34.0	39.3	23.6	31.4	60	12	25	28	28	92	80	78	0.142	0.158	0.152	2.36	1.06	5.2	3.9	5.3	4.2
February	28.685	29.010	28.320	32.2	39.8	39.6	45.3	28.5	36.9	67	8	28	31	31	85	72	73	.166	.188	.185	.42	.14	5.7	5.1	6.1	5.1
March	28.529	29.100	27.710	37.9	49.1	49.1	55.4	35.7	45.6	76	1	30	31	33	74	54	58	.178	.198	.210	4.90	2.38	4.2	4.4	5.5	4.0
April	28.393	28.760	27.930	45.4	56.1	55.4	62.3	41.0	51.6	83	16	39	37	39	79	53	58	.252	.240	.261	1.53	.31	4.1	4.0	5.6	4.1
May	28.579	28.880	28.290	59.6	67.9	68.1	72.7	57.4	65.0	83	40	55	56	57	86	69	70	.450	.475	.490	6.53	2.49	5.8	5.7	5.3	5.2
June	28.629	28.840	28.308	66.4	76.6	76.2	80.2	63.3	71.8	90	55	58	57	59	74	53	57	.485	.478	.505	1.43	1.08	3.2	4.7	4.1	3.6
July	28.644	28.810	28.350	70.0	80.7	80.1	85.2	66.9	76.0	95	57	65	63	64	83	57	59	.615	.596	.595	2.42	.98	3.3	4.7	4.8	3.8
August	28.638	28.830	28.360	66.5	76.8	74.8	81.1	63.8	72.4	88	56	62	61	63	87	60	69	.574	.553	.588	6.31	2.14	4.0	5.7	5.3	3.7
September	28.621	28.880	28.311	63.5	74.7	72.3	78.3	61.6	70.0	87	36	59	59	62	85	60	70	.515	.531	.568	4.42	2.08	4.0	4.0	3.9	2.7
October	28.679	28.978	28.330	54.3	66.5	62.7	69.7	52.9	61.3	82	33	49	49	51	82	57	68	.361	.378	.390	4.09	2.42	4.0	3.3	4.4	3.5
November	28.744	29.240	28.370	37.1	44.4	43.9	49.7	33.6	41.6	70	14	32	32	33	83	64	67	.199	.196	.204	.64	.33	4.7	5.1	5.5	5.2
December	28.567	29.000	27.960	33.2	40.1	40.0	46.2	30.0	38.1	67	7	29	29	32	83	68	74	.168	.173	.192	1.84	.55	5.5	5.3	5.0	5.0
Year	28.624	29.240	27.710	49.4	58.9	58.0	63.8	46.5	55.1	95	1	44	44	46	83	62	67	.342	.347	.362	36.89	2.49	4.5	4.7	5.1	4.2

SYRACUSE, N. Y.

[ϕ=43° 02′ N.; λ=76° 10′ W.]

January	29.505	30.313	28.740	13.2	15.1	....	22.4	5.4	13.9	40	−19	8	9	....	80	75	....	0.071	0.070	.....	3.66	0.77	8.2	7.7	....	7.3
February	29.350	30.260	28.850	18.4	22.9	....	29.1	13.7	21.4	47	−15	14	17	....	82	75	....	.085	.095	.....	1.90	.62	9.4	8.3	....	8.3
March	29.311	29.730	28.720	32.4	38.0	....	44.9	27.4	36.2	70	3	23	25	....	70	61	....	.139	.144	.....	2.72	.79	5.3	6.1	....	5.9
April	29.173	29.586	28.680	39.0	44.6	....	50.2	34.8	42.5	73	19	31	29	....	73	59	....	.177	.168	.....	3.19	.84	6.3	7.2	....	6.9
May	29.437	29.874	29.170	52.4	60.0	....	63.6	46.4	55.0	83	34	40	39	....	65	48	....	.261	.257	.....	.19	.10	4.8	4.5	....	4.8
June	29.339	29.739	28.950	62.7	70.0	....	73.8	56.8	65.3	89	46	53	52	....	73	56	....	.416	.400	.....	1.54	.52	4.6	5.9	....	5.7
July	29.333	29.581	28.890	65.5	72.4	....	76.4	59.7	68.0	87	51	56	56	....	73	58	....	.461	.452	.....	3.82	1.19	4.8	5.3	....	5.6
August	29.428	29.702	29.030	67.1	74.2	....	78.6	62.4	70.5	87	50	60	61	....	79	65	....	.528	.549	.....	2.58	1.25	5.2	5.4	....	5.8
September	29.377	29.640	28.780	59.1	67.9	....	71.6	54.9	63.2	84	40	53	55	....	80	64	....	.411	.448	.....	6.62	2.49	4.7	4.4	....	5.2
October	29.432	29.718	28.740	53.2	60.8	....	65.4	49.4	57.4	79	32	44	47	....	74	62	....	.304	.331	.....	.68	.17	5.8	5.9	....	5.6
November	29.452	29.904	28.750	35.9	38.6	....	42.2	32.7	37.4	60	21	30	31	....	80	75	....	.172	.182	.....	4.24	1.30	8.9	8.8	....	9.1
December	29.279	29.880	28.630	29.1	32.2	....	36.5	24.7	30.6	59	−1	24	25	....	81	73	....	.138	.138	.....	3.38	.98	8.8	8.5	....	8.3
Year	29.368	30.313	28.630	44.0	49.7	....	54.6	39.0	46.8	89	−19	36	37	....	76	64	....	.264	.270	.....	34.52	2.49	6.4	6.5	....	6.5

Annual meteorological summary for the year ending December 31, 1920—Continued.

SPOKANE, WASH.

[H_b=1,929 ft.; h_t=101 ft.; h_r=94 ft.; h_a=110 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	5.2	SW.	35	SW.	0	5	13	3	1	9	16	5	10	0	4	6	21	7	6	6	4	0	5	15	0	26	0	0
February	4.6	NE.	24	SW.	0	9	11	2	2	7	15	4	8	0	11	6	12	2	2	4	1	0	4	0	0	29	0	0
March	9.6	SW.	37	SW.	0	3	4	5	1	17	23	3	6	0	3	16	12	8	3	6	3	0	1	0	0	16	0	3
April	7.2	SW.	33	W.	0	2	1	2	2	16	25	5	7	0	8	16	6	13	11	4	4	0	0	0	0	9	0	0
May	7.2	SW.	39	SW.	0	5	6	5	1	11	25	6	3	0	7	19	5	12	7	0	0	1	0	0	0	0	0	0
June	7.4	SW.	42	S.	1	2	3	10	5	16	19	3	2	0	12	14	4	6	5	0	0	0	0	0	1	0	1	0
July	6.6	SW.	31	S.	0	4	11	6	5	10	19	3	4	0	24	5	2	2	2	0	0	0	1	0	13	0	1	0
August	5.5	SW.	25	SW.	0	1	11	10	6	9	18	6	0	1	15	12	4	4	3	0	0	1	0	0	13	0	3	0
September	7.6	SW.	32	SW.	0	1	5	15	0	12	23	3	1	0	14	8	8	11	8	0	0	0	0	0	0	0	0	0
October	6.5	SW.	32	SW.	0	1	10	2	1	14	23	1	10	0	6	11	14	8	3	1	1	0	1	0	0	5	0	0
November	6.3	S.	37	SW.	0	0	8	15	8	16	12	1	0	0	5	8	17	10	7	1	0	0	2	0	0	17	0	0
December	7.3	SW.	36	SW.	0	3	8	6	6	11	24	3	1	0	2	3	26	19	15	14	10	0	0	2	0	23	0	0
Year	6.8	SW.	42	S.	1	36	91	81	38	148	242	43	52	1	111	124	131	102	72	36	23	2	14	17	27	125	5	3

SPRINGFIELD, ILL.

[H_b=636 ft.; h_t=10 ft.; h_r=4 ft.; h_a=91 ft.]

Month.	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.
January	9.6	NW.	29	NW.	0	7	11	4	8	7	7	6	12	0	15	4	12	10	6	12	6	0	3	18	0	31	0	0
February	9.5	NW.	26	SW.	0	0	10	3	4	8	3	10	20	0	7	11	11	5	2	7	3	0	0	8	0	24	1	0
March	13.1	S.	41	SW.	1	2	1	1	12	15	13	7	11	0	13	8	10	12	10	4	2	2	1	3	0	14	7	1
April	11.0	W.	38	SE.	0	4	8	7	8	6	4	16	7	0	7	7	16	14	12	6	5	0	0	2	0	7	5	0
May	8.1	NE.	33	SE.	0	4	16	16	9	6	2	5	4	0	9	11	11	10	9	0	0	0	0	0	0	0	8	0
June	7.5	SW.	26	W.	0	6	7	1	7	5	23	8	3	0	12	9	9	4	4	0	0	2	0	0	9	0	5	0
July	6.9	W.	29	W.	0	4	7	6	8	3	11	14	9	0	10	14	7	8	6	0	0	0	0	0	10	0	12	0
August	5.3	SE.	20	NW.	0	12	11	5	11	10	1	10	2	0	10	10	11	10	9	0	0	0	0	0	5	0	10	0
September	7.2	S.	33	NW.	0	4	3	5	12	13	9	6	8	0	12	13	5	8	6	0	0	0	0	0	0	0	6	0
October	7.5	S.	24	S.	0	8	2	1	8	26	6	6	5	0	16	5	10	8	6	1	1	0	0	0	0	1	2	0
November	8.2	W.	22	NW.	0	5	3	5	9	8	8	15	7	0	7	9	14	6	4	4	1	0	0	3	0	15	0	0
December	10.1	W.	33	SW.	0	2	3	2	9	14	7	19	6	0	7	10	14	9	9	10	4	0	6	7	0	22	2	0
Year	8.7	S.	41	SW.	1	58	82	56	105	121	94	122	94	0	125	111	130	104	83	44	22	4	10	41	24	114	58	1

SPRINGFIELD, MO.

[H_b=1,324 ft.; h_t=98 ft.; h_r=66 ft.; h_a=104 ft.]

Month.	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.
January	10.5	N.	32	W.	0	11	5	5	14	9	5	6	7	0	19	2	10	7	6	5	3	0	4	9	0	26	0	0
February	10.3	NW.	29	N.	0	11	3	2	9	4	6	3	20	0	12	6	11	6	4	7	4	0	0	3	0	17	0	0
March	15.7	SE.	51	SW.	3	3	1	4	19	9	9	7	10	0	16	8	7	12	7	3	2	2	0	3	0	9	5	0
April	13.7	SE.	50	SE.	2	3	3	9	13	8	4	10	10	0	15	7	8	14	11	2	1	1	0	0	0	3	5	0
May	9.7	SE.	42	NW.	1	5	12	10	20	8	2	1	4	0	10	13	8	19	14	0	0	2	1	0	0	0	12	0
June	9.1	S.	32	SW.	0	5	6	1	19	14	6	4	5	0	16	9	5	6	5	0	0	0	0	0	1	0	3	0
July	7.1	S.	38	S.	0	2	8	9	11	13	4	6	9	0	15	12	4	9	7	0	0	1	1	0	7	0	11	0
August	7.5	SE.	40	N.	1	7	7	10	21	8	2	1	6	0	14	14	3	13	11	0	0	0	4	0	0	0	8	0
September	9.3	SE.	37	SE.	0	6	5	7	16	13	2	4	7	0	21	6	3	8	6	0	0	0	1	0	0	0	5	0
October	10.8	SE.	31	S.	0	3	6	2	33	9	2	3	4	0	20	3	8	10	9	0	0	0	0	0	0	0	2	0
November	10.3	S.	30	S.	0	8	4	2	10	15	6	7	8	0	11	8	11	6	5	2	0	0	0	2	0	13	0	0
December	13.3	SE.	43	SE.	1	1	3	5	13	12	4	16	8	0	13	7	11	8	7	5	2	1	1	3	0	16	1	0
Year	10.6	SE.	51	SW.	8	65	63	66	198	122	52	68	98	0	182	95	89	118	92	24	12	7	12	20	8	84	52	0

SYRACUSE, N. Y.

[H_b=597 ft.; h_t=97 ft.; h_r=65 ft.; h_a=113 ft.]

Month.	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.
January	13.2	NW.	55	S.	5	5	6	5	3	10	13	11	9	0	5	7	19	20	14	24	20	0	0	23	0	31	0	0
February	13.2	NW.	48	W.	2	3	2	2	6	10	5	19	11	0	1	6	22	16	12	22	16	0	0	18	0	29	0	0
March	15.6	S.	46	W.	7	0	1	5	5	18	9	14	10	0	10	9	12	15	12	12	9	0	0	6	0	17	1	2
April	12.8	W.	46	W.	3	5	1	6	8	6	10	14	10	0	3	11	16	17	15	8	7	0	0	1	0	9	2	0
May	9.1	NW.	33	SW.	0	7	3	2	5	14	7	4	20	0	14	7	10	5	2	1	0	0	0	0	0	0	2	0
June	8.8	NW.	38	SW.	0	6	4	5	2	12	8	14	9	0	8	13	9	11	9	0	0	0	1	0	0	0	3	0
July	10.0	NW.	45	NW.	1	2	0	1	6	12	15	11	15	0	6	17	8	16	13	0	0	0	0	0	0	0	12	0
August	7.3	S.	34	NW.	0	9	2	1	9	25	5	7	4	0	5	18	8	9	7	0	0	0	0	0	0	0	7	0
September	9.3	S.	35	NW.	0	5	2	2	5	22	7	10	7	0	10	13	7	12	10	0	0	1	1	0	0	0	4	0
October	9.5	S.	34	S.	0	2	1	2	4	22	12	13	6	0	9	9	13	9	7	2	0	0	0	0	0	0	2	0
November	10.7	W.	40	W.	2	4	6	2	5	15	6	14	8	0	0	5	25	18	12	8	7	0	0	4	0	17	0	0
December	12.6	SW.	42	SE.	2	0	2	6	7	11	11	15	10	0	1	5	25	17	12	19	12	0	0	10	0	28	0	0
Year	11.0	S.	55	S.	22	48	30	39	65	177	108	146	119	0	72	120	174	185	125	96	71	1	2	62	0	131	33	2

Annual meteorological summary for the year ending December 31, 1920—Continued.

TACOMA, WASH.

[ϕ=47° 16′ N.; λ=122° 23′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.996	30.420	29.020	37.4	40.0	42.7	44.5	34.5	39.5	63	20	36	38	39	95	93	88	0.221	0.237	0.250	6.10	1.16	6.4	8.1	8.6	8.3
February	30.026	30.310	29.590	35.6	41.6	44.9	46.2	33.3	39.8	56	28	33	37	38	90	85	78	.189	.222	.231	.34	.34	5.0	6.5	5.6	6.3
March	30.700	30.180	29.220	40.4	47.8	48.6	51.4	37.4	44.4	61	29	37	41	41	86	79	76	.224	.262	.263	2.99	1.05	7.6	8.0	8.3	7.1
April	29.814	30.320	29.248	40.6	48.9	51.1	53.6	37.7	45.6	72	30	37	41	42	89	76	72	.225	.263	.238	2.47	.64	8.2	7.2	7.1	6.8
May	29.875	30.120	29.570	44.0	54.9	59.2	61.0	42.5	51.8	82	38	41	44	45	89	68	60	.258	.288	.300	1.81	.63	5.8	6.0	5.2	5.8
June	29.825	30.110	29.527	50.8	62.2	65.7	67.6	49.6	58.6	84	44	46	50	50	86	66	60	.320	.360	.369	1.76	.66	6.9	6.2	6.1	6.5
July	29.852	30.080	29.660	55.3	66.7	72.9	74.7	54.4	64.6	90	48	52	54	55	89	65	56	.385	.418	.438	.83	.74	6.1	5.2	4.6	5.3
August	29.822	30.080	29.281	55.8	67.5	73.4	74.9	54.2	64.6	85	47	52	53	53	87	61	50	.387	.408	.402	1.26	.87	4.4	5.1	4.9	5.2
September	29.704	30.150	29.030	52.2	60.6	63.4	65.5	50.6	58.0	85	44	50	51	51	92	71	67	.357	.370	.381	3.04	.52	5.9	7.6	6.3	7.2
October	29.796	30.180	29.300	46.5	52.3	52.9	55.2	44.3	49.8	63	29	44	47	47	92	83	82	.297	.331	.325	5.14	1.60	7.7	8.9	7.5	8.2
November	29.836	30.220	29.240	42.8	49.5	49.6	52.5	39.7	46.1	61	30	41	44	44	93	82	84	.260	.291	.297	4.08	1.08	6.3	7.1	6.9	7.1
December	29.687	30.370	28.860	41.8	44.8	44.7	46.8	38.3	42.6	55	28	40	41	42	92	87	90	.244	.259	.270	7.23	1.29	8.8	9.0	8.7	8.9
Year	29.828	30.420	28.860	45.3	53.1	55.8	57.8	43.0	50.4	90	20	42	45	46	90	76	72	.281	.310	.314	37.05	1.60	6.6	7.1	6.6	6.9

TAMPA, FLA.

[ϕ=27° 57′ N.; λ=82° 27′ W.]

January	30.137	30.370	29.870	57.0	69.3	64.6	72.6	54.8	63.7	82	35	52	53	54	83	57	71	0.416	0.432	0.445	2.70	1.52	4.1	4.9	3.1	4.4
February	30.008	30.420	29.530	53.2	62.8	58.3	66.3	50.9	58.6	76	38	46	46	47	79	56	68	.337	.332	.349	3.10	2.57	5.3	5.6	4.7	5.4
March	30.071	30.460	29.660	57.8	69.9	64.4	73.4	54.7	64.0	85	36	51	50	52	79	50	66	.415	.398	.428	.60	.41	6.2	5.5	3.2	5.2
April	29.909	30.210	29.630	68.1	76.1	72.1	79.4	64.4	71.9	87	46	63	63	63	83	65	74	.595	.607	.602	8.04	2.87	6.4	6.4	6.2	6.1
May	29.925	30.110	29.680	72.8	81.0	76.1	84.3	67.6	76.0	89	62	65	62	64	78	53	68	.627	.555	.605	1.49	.61	4.5	6.2	3.5	5.3
June	29.988	30.150	29.790	77.1	83.8	79.1	87.4	71.7	79.6	92	67	70	68	69	79	59	72	.739	.676	.714	4.49	1.87	4.5	6.2	5.7	5.5
July	30.051	30.200	29.810	78.7	86.0	78.5	89.4	73.2	81.3	93	68	73	70	71	83	60	80	.810	.746	.768	12.20	2.96	5.0	6.9	7.7	6.5
August	30.022	30.133	29.900	79.3	86.6	79.0	89.3	73.5	81.4	93	69	74	73	73	84	64	81	.841	.807	.801	5.66	1.75	4.0	6.4	6.9	6.2
September	29.933	30.100	29.430	77.5	84.6	79.0	87.7	72.9	80.3	92	62	72	71	71	84	65	78	.794	.764	.765	6.49	2.54	5.1	7.1	5.9	6.6
October	30.034	30.300	29.860	66.8	78.4	72.5	81.1	63.3	72.2	87	50	60	59	60	80	53	67	.545	.518	.538	.12	.07	2.8	4.3	3.2	3.8
November	30.054	30.350	29.657	60.9	72.1	65.9	74.7	57.6	66.2	84	42	56	57	58	84	60	75	.467	.483	.486	3.07	1.12	5.7	6.1	3.8	5.7
December	30.057	30.300	29.830	54.9	66.5	60.7	69.5	51.0	60.2	80	39	49	50	50	82	57	70	.374	.387	.383	1.46	.63	5.1	5.2	4.4	5.3
Year	30.016	30.460	29.430	67.0	76.4	70.8	79.6	63.0	71.3	93	35	61	60	61	82	58	72	.580	.559	.574	49.42	2.96	4.9	5.9	4.9	5.5

TATOOSH ISLAND, WASH.

[ϕ=48° 23′ N.; λ=124° 44′ W.]

January	30.073	30.520	29.580	41.0	42.7	42.1	44.0	39.3	41.6	55	32	38	39	39	88	88	89	0.231	0.245	0.243	13.07	2.72	7.1	6.8	7.2	7.5
February	30.132	30.400	29.732	41.6	44.8	44.5	46.4	40.1	43.2	54	36	38	39	39	86	82	83	.228	.244	.243	1.43	1.27	3.7	3.3	4.0	3.8
March	29.787	30.300	29.298	43.2	45.3	44.0	47.0	40.4	43.7	52	34	39	40	40	86	83	87	.241	.252	.246	9.78	1.98	7.0	7.7	7.7	6.9
April	29.933	30.460	29.340	41.5	46.3	45.7	47.7	40.3	44.0	53	36	38	40	40	87	78	79	.227	.244	.244	3.40	.97	5.3	5.3	5.4	4.6
May	29.999	30.250	29.450	45.4	49.6	49.2	51.3	44.2	47.8	56	41	42	44	44	87	82	83	.266	.287	.288	4.00	1.18	7.1	5.5	5.6	5.6
June	29.951	30.270	29.530	50.0	53.7	54.2	56.0	48.9	52.4	64	46	48	50	50	92	88	86	.330	.361	.359	4.42	1.63	7.3	6.1	6.1	6.4
July	29.996	30.240	29.800	52.4	56.2	56.6	58.8	51.1	55.0	70	48	51	53	54	97	90	90	.379	.405	.413	.76	.30	5.1	5.0	5.0	5.6
August	29.962	30.173	29.380	52.2	56.8	56.4	59.0	50.9	55.0	68	47	51	53	54	97	88	90	.377	.404	.409	3.74	2.30	2.6	2.0	2.5	3.6
September	29.781	30.260	29.050	53.0	55.4	55.1	57.6	51.4	54.5	67	48	50	52	52	92	88	89	.368	.385	.382	12.31	2.65	7.4	7.3	6.8	7.4
October	29.850	30.310	29.310	49.5	52.3	51.6	54.3	47.6	51.0	58	40	46	46	46	87	80	82	.308	.316	.316	9.78	1.37	7.1	7.3	7.0	7.2
November	29.874	30.290	28.940	47.1	48.8	48.0	50.8	45.4	48.1	54	42	42	43	42	84	81	82	.272	.279	.273	12.26	2.10	6.4	7.3	6.9	7.3
December	29.705	30.420	28.790	45.1	44.3	44.5	46.9	41.9	44.4	54	38	40	41	41	84	87	88	.252	.254	.260	14.90	1.72	8.8	9.2	9.4	9.8
Year	29.920	30.520	28.790	46.8	49.7	49.3	51.6	45.1	48.4	70	32	44	45	45	89	85	86	.290	.306	.306	89.85	2.72	6.2	6.1	6.1	6.3

TAYLOR, TEX.

[ϕ=30° 35′ N.; λ=97° 20′ W.]

January	29.601	29.920	29.170	39.8	48.0	....	53.8	37.8	45.8	77	27	37	39	....	88	74	....	0.230	0.251	.....	5.52	1.93	6.7	6.5	....	6.9
February	29.526	29.900	29.090	47.1	58.1	....	62.6	45.0	53.8	84	30	44	47	....	88	67	....	.304	.341	.....	.46	.23	6.8	6.8	....	6.9
March	29.409	30.020	28.780	49.6	64.2	....	69.6	47.1	58.4	84	24	40	43	....	71	51	....	.286	.320	.....	1.30	.76	6.2	4.5	....	5.3
April	29.231	29.580	28.690	56.9	73.6	....	79.8	54.4	67.1	94	31	49	52	....	76	51	....	.386	.428	.....	.60	.47	5.1	3.1	....	3.8
May	29.322	29.540	29.050	68.9	81.1	....	85.0	66.0	75.5	92	56	66	66	....	91	61	....	.644	.636	.....	5.37	2.19	7.2	6.7	....	6.7
June	29.396	29.560	29.130	70.5	84.8	....	88.1	68.1	78.1	94	63	69	66	....	93	55	....	.702	.648	.....	3.97	2.11	4.8	6.4	....	5.8
July	29.432	29.580	29.170	74.5	89.1	....	93.9	72.6	83.2	98	68	71	69	....	90	53	....	.769	.714	.....	2.24	1.95	6.2	5.0	....	5.2
August	29.400	29.590	29.170	73.4	86.0	....	89.7	72.0	80.8	98	66	72	70	....	94	59	....	.774	.731	.....	4.25	2.96	6.9	7.4	....	7.5
September	29.359	29.670	29.110	70.9	87.1	....	91.2	68.5	79.8	98	47	68	65	....	90	49	....	.701	.629	.....	.69	.37	5.8	4.5	....	4.3
October	29.452	29.760	29.100	60.3	76.1	....	78.6	58.5	68.6	90	39	57	57	....	91	54	....	.496	.439	.....	9.83	7.52	6.0	5.6	....	5.7
November	29.590	29.970	29.280	47.9	59.8	....	64.0	45.4	54.7	82	25	43	44	....	84	58	....	.309	.327	.....	2.60	1.35	5.2	5.9	....	5.8
December	29.465	29.960	28.900	42.8	57.3	....	63.1	39.0	51.0	80	22	36	38	....	79	52	....	.236	.255	.....	.88	.61	5.1	4.5	....	4.5
Year	29.434	30.020	28.690	58.6	72.1	....	76.6	56.2	66.4	98	22	54	55	....	86	57	....	.486	.481	.....	37.71	7.52	6.0	5.6	....	5.7

Annual meteorological summary for the year ending December 31, 1920—Continued.

TACOMA, WASH.

[H_b=213 ft.; h_t=113 ft.; h_r=104 ft.; h_a=120 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	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	5.6	SW.	30	SW.	0	5	8	5	14	10	18	2	0	0	4	3	24	14	13	2	2	0	6	0	0	15	0	0
February	5.0	SE.	35	E.	0	18	7	7	13	6	4	2	1	0	9	7	13	1	1	0	0	1	4	0	0	14	0	0
March	8.4	SW.	30	NE.	0	12	0	0	2	5	33	7	1	2	2	12	17	17	15	2	1	0	2	0	0	4	0	1
April	6.5	SW.	30	SW.	0	10	1	2	1	2	27	8	2	1	4	12	14	15	10	3	1	1	0	0	0	1	0	0
May	6.4	N.	27	SW.	0	17	2	0	0	7	15	14	3	4	7	17	7	12	8	0	0	0	0	0	0	0	1	0
June	5.8	N.	23	SW.	0	14	0	0	0	1	19	10	4	12	4	14	12	11	8	0	0	0	1	0	0	0	0	0
July	5.4	N.	18	W.	0	19	0	0	0	4	12	14	3	10	10	12	9	4	2	0	0	0	0	0	0	0	4	0
August	5.3	N.	28	SW.	0	24	1	0	1	1	9	15	0	11	11	11	9	3	3	0	0	0	0	0	0	0	1	0
September	6.1	SW.	28	W.	0	13	0	0	2	3	32	6	0	4	6	6	18	15	13	0	0	0	1	0	0	0	0	1
October	5.4	SW.	27	SW.	0	15	0	2	3	11	19	8	4	0	1	8	22	19	15	0	0	0	3	0	0	1	1	0
November	5.6	S.	42	SW.	1	11	2	1	10	9	16	8	2	1	4	9	17	14	12	0	0	0	2	0	0	2	0	0
December	7.0	SW.	36	SW.	0	4	1	0	1	10	35	9	2	0	0	4	27	26	21	0	0	1	1	0	0	1	0	0
Year	6.0	SW.	42	SW.	1	168	22	17	47	69	239	103	22	45	62	115	189	151	121	7	4	3	20	0	0	38	7	2

TAMPA, FLA.

[H_b=35 ft.; h_t=79 ft.; h_r=71 ft.; h_a=92 ft.]

Month.	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.
January	6.5	NE.	23	NE.	0	4	20	7	5	9	7	5	5	0	14	10	7	8	6	0	0	0	4	0	0	0	1	0
February	7.3	NW.	29	NW.	0	11	6	0	1	2	6	14	18	0	10	8	11	6	5	0	0	0	1	0	0	0	0	0
March	7.8	SW.	33	SW.	0	4	15	2	5	5	17	7	7	0	10	15	6	4	3	0	0	0	2	0	0	0	0	1
April	7.3	SW.	34	SW.	0	7	7	4	11	8	13	6	3	1	5	12	13	7	7	0	0	0	2	0	0	0	6	0
May	7.3	NE.	27	E.	0	4	23	8	2	0	6	9	10	0	7	18	6	8	6	0	0	0	0	0	0	0	5	0
June	6.2	NE.	26	SW.	0	2	18	3	8	5	9	10	4	1	9	12	9	15	10	0	0	0	0	0	4	0	15	0
July	5.4	W.	30	NE.	0	4	9	16	5	5	6	13	4	0	2	22	7	19	17	0	0	0	0	0	18	0	24	0
August	5.1	NE.	36	SW.	0	2	13	14	5	7	5	13	3	0	3	21	7	16	13	0	0	0	0	0	14	0	24	0
September	6.1	NE.	29	N.	0	8	21	4	5	1	6	6	8	1	4	13	13	12	11	0	0	0	1	0	9	0	11	0
October	8.3	NE.	24	NE.	0	10	44	1	1	0	3	1	1	1	16	10	5	2	2	0	0	0	0	0	0	0	0	0
November	7.2	NE.	24	NE.	0	12	26	5	2	0	4	5	6	0	9	10	11	7	7	0	0	0	0	0	0	0	1	0
December	6.4	NW.	26	NW.	0	19	12	2	5	3	1	4	15	1	12	8	11	8	7	0	0	0	2	0	0	0	0	0
Year	6.7	NE.	36	SW.	0	87	214	66	55	45	83	93	84	5	101	159	106	112	94	0	0	0	12	0	45	0	87	1

TATOOSH ISLAND, WASH.

[H_b=86 ft.; h_t=7 ft.; h_r=4 ft.; h_a=57 ft.]

Month.	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.
January	18.1	E.	55	E.	11	0	7	28	2	14	4	4	3	0	7	2	22	17	15	2	1	0	2	0	0	0	0	0
February	15.1	E.	55	E.	5	3	11	28	2	6	3	3	1	1	18	4	7	4	3	0	0	0	2	0	0	0	0	0
March	16.2	W.	59	W.	7	0	7	5	8	12	10	16	4	0	6	8	17	23	22	2	2	0	0	0	0	0	0	1
April	12.7	W.	66	W.	4	3	3	5	1	6	12	23	7	0	14	9	7	16	11	0	0	0	2	0	0	0	0	0
May	11.5	W.	72	S.	4	0	4	1	3	14	10	29	1	0	11	8	12	15	12	0	0	0	0	0	0	0	0	0
June	12.3	S.	55	S.	2	1	5	4	4	18	9	17	2	0	5	10	15	18	10	0	0	0	4	0	0	0	0	0
July	9.9	S.	37	S.	0	1	4	2	2	19	17	15	2	0	7	12	12	9	5	0	0	0	15	0	0	0	4	0
August	12.0	S.	37	E.	0	1	4	4	3	27	15	6	2	0	17	5	9	8	6	0	0	0	15	0	0	0	0	0
September	16.2	S.	49	E.	6	0	4	2	10	25	11	6	2	0	4	6	20	20	18	0	0	0	6	0	0	0	0	1
October	16.5	E.	64	S.	8	0	10	17	4	13	9	6	3	0	6	4	21	22	22	0	0	1	2	0	0	6	0	0
November	21.4	E.	93	S.	9	0	10	24	8	8	4	6	0	0	8	1	21	21	21	0	0	0	0	0	0	0	0	0
December	20.7	E.	72	S.	16	0	1	14	13	17	8	8	1	0	0	1	30	31	31	0	0	0	0	0	0	0	0	0
Year	15.2	S.	93	S.	72	9	70	134	60	179	112	139	28	1	103	70	193	204	176	4	3	1	48	0	0	0	4	2

TAYLOR, TEX.

[H_b=583 ft.; h_t=55 ft.; h_r=48 ft.; h_a=63 ft.]

Month.	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.
January	8.3	N.	30	N.	0	22	1	1	1	1	3	1	1	0	8	4	19	12	8	1	0	0	2	0	0	7	2	0
February	8.3	N.	33	N.	0	14	2	2	1	4	4	0	1	1	6	7	16	6	3	0	0	0	3	0	0	3	1	0
March	11.7	S.	47	NW.	1	11	1	1	2	13	0	2	1	0	14	4	13	10	4	0	0	0	0	1	0	5	4	0
April	11.8	S.	36	S.	0	6	0	1	3	8	6	1	4	1	18	6	6	4	4	0	0	0	1	0	3	1	2	0
May	8.7	S.	44	NW.	1	6	1	3	4	13	3	1	0	0	3	16	12	8	5	0	0	0	1	0	4	0	8	0
June	7.1	SE.	42	NW.	1	3	3	4	6	8	1	2	2	1	5	17	8	8	6	0	0	0	2	0	10	0	10	0
July	6.6	S.	31	NE.	0	2	0	1	3	15	10	0	0	0	8	18	5	7	4	0	0	0	0	0	28	0	9	0
August	6.7	S.	25	S.	0	6	3	0	2	16	2	1	1	0	4	8	19	9	6	0	0	0	1	0	19	0	9	0
September	7.8	S.	26	N.	0	6	2	1	2	12	4	0	2	1	8	20	2	4	4	0	0	0	0	0	22	0	4	0
October	7.7	SE.	26	S.	0	3	4	1	10	7	0	3	2	1	7	12	12	9	6	0	0	0	1	0	0	0	8	0
November	8.0	N.	26	NE.	0	10	3	1	4	6	2	0	3	1	8	11	11	9	6	1	0	0	3	0	0	3	1	0
December	9.0	S.	33	NW.	0	12	1	0	1	8	1	3	4	1	14	7	10	10	3	0	0	0	2	0	0	9	1	0
Year	8.5	S.	47	NW.	3	101	21	16	39	111	36	14	21	7	103	130	133	96	59	2	0	0	16	1	86	28	59	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

TERRE HAUTE, IND.

[ϕ=39° 29′ 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.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.609	30.060	28.860	19.8	26.9	26.0	30.7	16.3	23.5	48	− 6	15	18	20	79	70	75	0.090	0.109	0.109	1.64	0.61	6.6	5.5	6.1	6.0
February	29.458	29.830	28.960	26.4	33.8	33.1	37.4	24.3	30.8	57	1	21	22	24	79	62	69	.121	.134	.140	1.92	1.51	6.8	7.4	6.9	7.2
March	29.332	29.840	28.630	37.8	48.0	46.8	52.9	34.2	43.6	77	6	33	36	35	81	63	64	.208	.238	.225	3.90	1.11	5.4	5.4	5.1	5.8
April	29.179	29.570	28.650	44.2	52.1	50.4	56.8	39.8	48.3	74	24	40	43	42	86	72	73	.268	.303	.280	4.65	2.07	6.8	7.3	6.7	7.2
May	29.407	29.810	29.050	56.6	68.3	67.3	72.2	53.0	62.6	86	36	48	49	50	73	52	58	.348	.364	.386	4.90	3.24	5.5	6.0	6.1	6.0
June	29.371	29.670	28.890	67.0	78.7	76.9	82.5	62.5	72.5	94	48	58	57	58	73	50	53	.490	.480	.490	.98	.41	5.1	6.0	4.9	5.2
July	29.378	29.600	29.030	69.2	81.6	79.2	85.8	64.7	75.2	98	56	60	60	60	74	48	54	.538	.515	.528	5.39	3.41	4.6	5.4	4.2	5.3
August	29.400	29.610	29.180	66.3	78.7	76.9	82.6	63.2	72.9	93	50	60	58	59	81	51	55	.534	.504	.508	2.39	1.43	5.5	5.7	6.2	5.6
September	29.384	29.630	29.140	62.1	76.4	73.5	80.7	60.5	70.6	90	43	56	56	56	82	52	56	.473	.485	.474	1.86	1.15	5.2	4.3	4.0	4.9
October	29.481	29.810	28.870	52.4	69.2	65.3	72.9	50.9	61.9	83	31	45	48	47	76	48	53	.312	.348	.332	1.30	.77	4.1	3.8	2.5	4.1
November	29.516	29.980	29.020	36.8	46.1	43.8	49.8	34.7	42.2	68	16	32	32	32	82	58	65	.192	.193	.202	.61	.37	6.3	4.9	6.3	6.2
December	29.346	29.760	28.560	31.0	36.9	35.8	40.9	27.1	34.0	61	− 3	27	28	29	83	71	75	.161	.174	.175	3.69	1.40	6.7	7.4	6.1	7.2
Year	29.405	30.060	28.560	47.5	58.1	56.2	62.1	44.3	53.2	98	− 6	41	42	43	79	58	62	.311	.321	.321	33.23	3.41	5.7	5.8	5.4	5.9

THOMASVILLE, GA.

[ϕ=30° 48′ N.; λ=83° 58′ W.]

January	29.896	30.180	29.500	47.7	59.0	54.9	62.6	45.2	53.9	77	23	42	42	44	81	58	68	0.299	0.315	0.319	3.24	1.11	5.1	5.9	4.8	5.8
February	29.744	30.180	29.210	44.2	53.9	52.3	59.0	42.3	50.6	74	26	40	40	42	83	62	67	.265	.276	.289	5.77	2.04	6.4	6.0	4.8	6.0
March	29.808	30.240	29.360	50.1	62.4	59.8	67.1	47.6	57.4	84	26	42	42	45	75	50	60	.308	.310	.335	3.21	1.21	5.0	5.2	4.4	5.5
April	29.615	29.910	29.260	62.4	70.9	67.2	75.4	57.3	66.4	87	37	55	54	56	78	59	70	.477	.462	.487	7.22	2.31	6.8	6.9	5.9	6.8
May	29.691	29.950	29.468	68.2	78.4	74.2	81.9	63.7	72.8	94	58	62	62	62	82	59	67	.565	.560	.560	3.36	1.05	6.6	7.7	6.4	7.2
June	29.723	29.980	29.530	74.1	84.8	79.5	88.6	69.4	79.0	99	59	68	64	66	80	52	65	.677	.604	.643	3.22	1.36	5.0	5.0	5.6	5.6
July	29.776	29.967	29.560	76.7	85.0	79.3	89.6	71.1	80.4	96	62	71	68	71	82	59	75	.754	.703	.738	3.38	1.39	4.5	7.0	6.1	6.5
August	29.756	29.880	29.580	75.7	85.3	77.3	88.7	71.3	80.0	94	66	71	69	71	86	59	81	.757	.707	.759	4.96	1.37	5.0	7.8	7.8	7.2
September	29.694	29.840	29.250	73.7	84.8	76.7	87.9	69.7	78.8	95	51	69	68	68	85	57	76	.710	.683	.703	6.07	1.84	5.1	6.2	4.8	6.0
October	29.828	30.116	29.560	59.0	75.2	68.6	78.5	55.7	67.1	86	40	53	52	54	82	47	60	.429	.414	.429	1.23	1.21	3.4	3.5	2.5	3.4
November	29.830	30.110	29.434	49.6	62.8	58.0	66.4	47.3	56.8	80	31	44	47	48	82	60	70	.308	.349	.353	3.69	1.77	4.7	5.0	3.7	4.9
December	29.797	30.050	29.480	44.5	56.4	51.9	61.0	41.8	51.4	75	29	39	41	42	81	59	70	.250	.278	.280	8.60	5.38	5.5	5.1	4.2	5.3
Year	29.763	30.240	29.210	60.5	71.6	66.6	75.6	56.9	66.2	99	23	55	54	56	81	57	69	.483	.472	.491	53.95	5.38	5.3	5.9	5.1	5.8

TOLEDO, OHIO.

[ϕ=41° 40′ N.; λ=83° 34′ W.]

January	29.537	30.100	28.810	15.5	20.6	19.4	24.9	10.9	17.9	40	− 4	11	14	12	79	73	72	0.073	0.084	0.077	1.61	0.66	7.4	5.8	5.6	5.8
February	29.365	29.896	28.810	21.9	27.1	26.8	31.4	18.5	25.0	50	3	17	20	19	80	71	72	.097	.109	.107	.21	.08	7.5	7.1	7.1	6.9
March	29.258	29.731	28.470	34.2	44.4	42.5	49.4	29.6	39.5	73	9	26	30	30	72	58	62	.156	.178	.186	1.97	.46	4.9	5.1	4.3	4.6
April	29.137	29.620	28.640	39.8	44.9	43.9	49.8	35.1	42.4	76	21	33	33	34	78	64	68	.202	.198	.204	5.14	1.76	7.4	8.0	6.4	7.5
May	29.406	29.830	29.150	53.3	62.1	59.7	66.0	48.0	57.0	85	33	44	43	46	70	52	63	.297	.297	.339	1.59	.62	3.6	5.2	5.5	4.5
June	29.320	29.690	28.860	66.4	75.5	72.9	78.3	61.6	70.0	92	51	58	57	58	74	54	62	.490	.477	.500	4.78	2.70	4.6	5.1	4.5	4.6
July	29.318	29.550	28.955	67.3	76.1	73.3	79.7	61.4	70.6	93	53	58	58	57	72	54	58	.489	.489	.480	4.46	1.75	4.2	4.7	4.4	4.7
August	29.376	29.600	29.110	65.5	74.5	71.3	77.7	61.7	69.7	91	50	60	60	61	82	61	72	.521	.530	.552	5.85	4.58	4.1	5.4	4.4	4.7
September	29.352	29.620	29.020	61.1	72.0	67.9	75.5	57.8	66.6	89	43	54	54	57	77	55	68	.429	.440	.474	2.23	1.49	3.6	2.8	2.8	3.3
October	29.429	29.751	28.790	53.8	67.9	62.5	69.9	51.3	60.6	83	32	46	46	47	75	50	59	.319	.328	.333	2.39	1.44	3.7	3.3	2.9	3.6
November	29.428	29.870	28.800	37.4	43.7	41.5	46.7	34.3	40.5	63	19	33	33	34	82	66	75	.196	.192	.205	2.69	.91	7.4	6.7	6.3	6.8
December	29.251	29.740	28.450	31.9	35.0	34.5	38.5	27.8	33.2	60	4	26	27	28	78	72	76	.149	.158	.164	2.86	.83	8.5	8.0	8.2	7.9
Year	29.348	30.100	28.450	45.7	53.6	51.4	57.3	41.5	49.4	93	− 4	39	40	40	77	61	67	.285	.290	.302	35.78	4.58	5.6	5.6	5.2	5.4

TONOPAH, NEV.

[ϕ=38° 04′ N.; λ=117° 14′ W.]

January	24.146	24.450	23.850	31.7	40.7	41.5	45.4	29.3	37.4	65	8	18	20	19	57	43	42	0.097	0.105	0.102	0.04	0.04	3.0	4.1	4.1	3.9
February	24.062	24.340	23.640	30.3	38.0	41.0	43.6	27.8	35.7	53	18	21	23	22	69	57	49	.114	.124	.117	.42	.24	2.8	3.5	3.5	3.5
March	23.931	24.400	23.530	30.8	41.0	43.0	46.9	27.5	37.2	62	15	21	22	21	66	49	44	.109	.119	.111	.84	.36	3.8	4.1	4.7	3.9
April	23.950	24.250	23.604	35.6	50.6	53.2	56.4	33.1	44.8	70	19	21	22	19	54	32	26	.112	.117	.104	.03	.02	3.1	3.0	4.4	3.7
May	23.982	24.200	23.790	46.7	63.5	66.7	69.5	44.5	57.0	84	31	26	27	26	47	27	24	.143	.150	.139	.31	.28	2.5	3.5	5.0	4.2
June	24.034	24.230	23.802	53.8	71.6	74.0	77.2	52.6	64.9	91	43	28	26	26	40	20	18	.158	.144	.140	.21	.13	2.2	3.1	4.1	3.5
July	24.144	24.290	23.900	62.1	81.1	83.6	86.1	60.8	73.4	93	50	29	30	27	30	16	14	.163	.167	.154	.24	.24	1.4	1.7	3.2	2.6
August	24.144	24.280	23.930	62.5	78.8	81.3	84.0	60.4	72.2	95	41	32	33	30	34	24	19	.186	.205	.177	.95	.92	1.7	1.9	2.5	2.4
September	24.083	24.310	23.700	53.8	69.5	71.2	74.1	52.1	63.1	86	30	29	29	26	39	23	19	.166	.159	.141	.03	.03	1.6	1.7	3.1	3.0
October	24.053	24.300	23.680	39.7	52.0	52.3	56.5	36.6	46.6	96	20	23	24	24	54	36	37	.120	.126	.127	.44	.28	2.0	3.7	3.8	3.9
November	24.129	24.360	23.764	34.0	42.2	42.2	46.1	31.7	38.9	57	19	23	25	25	63	50	52	.121	.136	.134	.39	.24	3.5	3.9	5.8	5.0
December	24.049	24.360	23.520	27.5	35.5	34.6	38.8	24.8	31.8	50	13	18	21	20	67	54	54	.098	.110	.105	.16	.10	2.5	3.5	4.7	5.3
Year	24.059	24.450	23.520	42.4	55.4	57.0	60.4	40.1	50.2	95	8	24	25	24	52	36	33	.132	.138	.129	4.06	.92	2.5	3.1	4.1	3.7

Annual meteorological summary for the year ending December 31, 1920—Continued.

TERRE HAUTE, IND.

[H_b=575 ft.; h_t=96 ft.; h_r=84 ft.; h_a=129 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	10.4	NW.	27	NW.	0	8	11	2	9	8	6	5	13	0	11	6	14	8	5	11	5	0	4	17	0	30	0	0
February	10.7	NW.	31	SW.	0	5	6	3	4	7	5	8	20	0	5	10	14	6	3	8	2	0	0	7	0	24	0	0
March	15.1	S.	54	SW.	3	2	0	2	14	16	13	5	10	0	8	14	9	11	8	5	2	1	1	3	0	14	4	2
April	12.9	SW.	42	N.	1	4	9	7	7	7	11	3	12	0	3	14	13	14	12	5	3	2	0	0	0	6	5	0
May	9.3	NE.	31	NW.	0	8	20	7	4	11	4	3	5	0	5	16	10	11	7	0	0	0	1	0	0	0	3	0
June	8.7	SW.	29	SW.	0	5	8	5	9	4	26	0	3	0	9	14	7	5	5	0	0	1	0	0	10	0	4	0
July	7.9	SW.	27	NW.	0	8	10	3	7	8	16	5	5	0	6	19	6	7	6	0	0	0	0	0	9	0	8	0
August	6.7	NE.	28	W.	0	7	14	8	2	11	9	4	7	0	9	13	9	6	6	0	0	0	0	0	3	0	8	0
September	8.1	S.	37	NW.	0	5	9	4	12	10	10	4	6	0	9	15	6	5	4	0	0	0	0	0	0	0	4	0
October	8.6	S.	42	S.	1	5	7	2	16	17	7	3	5	0	14	11	6	4	4	1	0	0	0	0	0	2	2	0
November	9.5	NW.	28	NW.	0	5	2	2	6	14	9	6	16	0	6	14	10	5	3	3	0	0	0	1	0	9	1	0
December	12.2	S.	48	SW.	2	2	6	3	9	15	6	11	10	0	4	9	18	11	8	9	4	0	3	6	0	21	0	0
Year	10.0	S.	54	SW.	7	64	102	48	99	128	122	57	112	0	89	155	122	93	71	42	16	4	9	34	22	106	39	2

THOMASVILLE, GA.

[H_b=273 ft.; h_t=49 ft.; h_r=41 ft.; h_a=58 ft.]

Month.	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.
January	5.6	NE.	19	NE.	0	13	16	5	2	13	4	3	3	3	11	6	14	9	4	0	0	0	4	0	0	4	0	0
February	5.5	NW.	24	W.	0	6	5	5	1	10	6	7	18	0	9	7	13	11	9	0	0	0	0	0	0	6	4	0
March	6.0	SW.	24	SW.	0	3	13	9	0	10	9	4	13	1	11	7	13	7	7	0	0	0	1	0	0	5	5	0
April	5.5	SW.	25	SW.	0	9	6	5	2	19	10	2	5	2	6	7	17	11	10	0	0	0	0	0	0	0	9	0
May	4.7	NE.	21	W.	0	14	14	12	0	7	6	6	1	2	3	12	16	8	7	0	0	0	0	0	3	0	4	0
June	4.4	NE.	20	SW.	0	7	11	12	0	9	10	4	4	3	10	8	12	12	10	0	0	0	1	0	10	0	11	0
July	4.0	SW.	19	SW.	0	2	10	6	0	21	16	5	2	0	3	16	12	16	13	0	0	0	0	0	17	0	18	0
August	3.2	SW.	22	SW.	0	4	14	11	2	10	7	8	4	2	0	18	13	21	16	0	0	0	0	0	13	0	24	0
September	4.1	NE.	21	E.	0	4	17	11	1	4	7	7	4	5	7	12	11	11	10	0	0	0	0	0	10	0	11	0
October	4.0	NE.	20	SW.	0	11	31	7	2	1	0	1	4	5	18	6	7	3	2	0	0	0	3	0	0	0	1	0
November	4.3	NE.	18	SW.	0	14	17	3	1	5	2	4	11	3	15	3	12	7	7	0	0	0	1	0	0	1	0	0
December	4.6	NW.	23	N.	0	4	7	11	0	5	7	7	17	4	13	5	13	9	6	0	0	0	0	0	0	2	3	0
Year	4.7	NE.	25	SW.	0	91	161	97	11	114	84	58	86	30	106	107	153	125	101	0	0	0	10	0	53	18	90	0

TOLEDO, OHIO.

[H_b=628 ft.; h_t=208 ft.; h_r=201 ft.; h_a=243 ft.]

Month.	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.
January	15.9	SW.	44	W.	2	12	7	4	2	2	15	13	7	0	9	9	13	9	6	19	8	0	0	22	0	31	0	0
February	14.6	W.	43	SW.	2	2	10	2	3	1	15	11	14	0	6	7	16	6	2	19	6	0	0	13	0	29	0	0
March	19.7	SW.	66	SE.	9	3	2	3	5	13	21	5	10	0	13	10	8	13	8	9	5	0	0	4	0	17	2	2
April	17.5	SW.	62	SW.	7	3	10	8	2	4	15	12	6	0	4	6	20	16	13	8	6	0	0	1	0	10	4	0
May	12.1	NE.	45	SW.	1	11	11	14	4	7	4	3	8	0	16	7	8	6	6	0	0	0	0	0	0	0	4	0
June	11.4	SW.	38	W.	0	6	6	9	7	2	15	10	5	0	12	15	3	10	8	0	0	0	0	0	5	0	10	0
July	11.6	SW.	44	SW.	2	6	4	5	6	2	23	8	8	0	14	12	5	11	8	0	0	1	0	0	1	0	11	0
August	9.8	N.	32	N.	0	18	8	11	2	7	7	5	4	0	11	13	7	10	9	0	0	0	2	0	1	0	8	0
September	11.9	SW.	41	SE.	1	6	2	9	7	8	13	6	9	0	19	5	6	6	5	0	0	0	0	0	0	0	3	0
October	12.4	SW.	48	SW.	1	3	3	4	3	8	28	7	6	0	18	6	7	7	5	1	0	0	1	0	0	1	2	0
November	13.1	SW.	43	W.	3	6	2	5	2	6	21	12	6	0	6	8	16	11	9	7	4	0	0	3	0	11	0	0
December	17.1	SW.	75	SW.	5	4	1	1	11	4	19	17	5	0	3	8	20	13	9	13	6	0	0	8	0	19	0	0
Year	13.9	SW.	75	SW.	33	80	66	75	54	64	196	109	88	0	131	106	129	118	88	76	35	1	3	51	7	118	44	2

TONOPAH, NEV.

[H_b=6,090 ft.; h_t=12 ft.; h_r=9 ft.; h_a=20 ft.]

Month.	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.
January	8.4	SE.	48	NW.	1	0	0	1	19	6	1	22	13	0	13	17	1	1	1	1	0	0	1	4	0	18	0	0
February	7.3	W.	35	SE.	0	0	2	2	17	3	4	22	8	0	16	8	5	4	3	4	3	0	1	2	0	21	0	0
March	12.3	NW.	52	NW.	2	1	2	0	24	0	0	11	24	0	13	16	2	8	3	9	8	0	0	0	0	22	0	0
April	12.9	NW.	48	NW.	6	2	1	1	4	0	0	25	27	0	12	18	0	2	0	2	1	0	0	0	0	17	0	0
May	9.7	W.	29	NW.	0	0	1	1	16	0	4	23	17	0	8	22	1	2	1	0	0	0	0	0	0	1	0	0
June	8.9	W.	34	W.	0	1	1	1	22	2	1	20	12	0	15	14	1	2	2	0	0	0	0	0	1	0	1	0
July	8.9	SE.	29	E.	0	0	2	1	33	1	2	16	7	0	18	13	0	1	1	0	0	0	0	0	11	0	2	0
August	8.0	SE.	30	SE.	0	0	2	1	25	2	1	21	10	0	19	11	1	2	1	0	0	0	0	0	9	0	3	0
September	8.3	SE.	33	NW.	0	0	0	0	28	2	2	19	11	0	19	11	0	1	0	1	0	0	0	0	0	2	2	0
October	9.8	SE.	34	NW.	0	0	1	1	20	2	2	16	20	0	16	11	4	4	3	3	2	0	0	0	0	11	0	0
November	8.3	SE.	33	NW.	0	0	0	1	30	2	4	18	5	0	9	14	7	3	2	4	3	0	0	1	0	15	0	0
December	10.9	SE.	48	W.	2	0	0	0	24	2	4	17	15	0	11	11	9	5	1	5	5	0	0	4	0	27	0	0
Year	9.5	SE.	52	NW.	11	4	12	10	260	22	25	230	169	0	169	166	31	35	18	29	22	0	2	11	21	134	8	0

Annual meteorological summary for the year ending December 31, 1920—Continued.

TOPEKA, KANS.

[ϕ=39° 03′ N.; λ=95° 41′ W.]

Month.	Pressure.			Temperature.											Moisture.											
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January				24.8			38.4	21.5	30.0	62	9										0.24	0.16				4.7
February				27.0			42.7	24.9	33.8	60	5										.17	.10				5.5
March				37.0			57.5	33.7	45.6	77	2										3.28	1.71				4.2
April				42.0			57.6	37.9	47.8	82	13										4.44	1.15				6.0
May				57.2			72.1	54.1	63.1	89	42										2.23	.89				6.2
June				66.9			83.6	62.5	73.0	96	48										3.43	1.27				3.8
July				69.6			87.6	66.0	76.8	99	56										6.63	2.94				3.8
August				65.4			82.8	62.5	72.6	94	53										4.98	2.03				4.1
September				61.4			80.5	59.0	69.8	92	34										4.02	1.72				3.8
October				52.6			71.0	50.8	60.9	88	28										2.19	1.09				4.5
November				35.5			48.4	32.3	40.4	70	14										2.05	1.20				6.8
December				29.7			43.6	25.9	34.8	64	2										1.41	.74				5.7
Year				47.4			63.8	44.3	54.0	99	2										35.07	2.94				4.9

TRENTON, N. J.

[ϕ=40° 13′ N.; λ=74° 46′ W.]

January	29.977	30.750	29.300	20.7	25.3	24.0	29.8	16.7	23.2	44	−1	15	16	17	77	67	73	0.094	0.099	0.100	2.40	0.90	6.4	6.7	5.2	6.6
February	29.784	30.733	29.220	24.9	29.8	29.8	35.2	21.4	28.3	51	−3	20	22	22	80	72	71	.114	.125	.121	4.27	2.68	4.8	5.9	5.2	5.9
March	29.802	30.280	28.950	37.3	45.6	43.2	50.7	30.2	40.4	71	12	29	32	31	72	61	64	.175	.195	.184	3.81	2.12	4.5	5.3	3.3	4.9
April	29.615	29.990	28.930	46.1	52.3	49.2	56.9	38.8	47.8	78	28	35	33	35	68	52	61	.214	.202	.213	4.34	.97	5.2	5.6	4.9	6.1
May	29.855	30.281	29.420	54.8	64.4	59.4	68.0	48.0	58.0	83	38	44	44	45	70	50	61	.305	.304	.319	2.66	.94	5.0	5.7	5.5	5.4
June	29.757	30.113	29.300	66.4	75.9	69.0	79.1	58.9	69.0	93	49	57	55	58	74	51	70	.484	.455	.491	6.63	2.52	5.3	5.5	6.7	6.0
July	29.780	30.020	29.370	70.1	79.4	73.8	82.7	63.3	73.0	90	53	62	62	63	77	57	69	.572	.571	.585	2.16	.89	5.0	5.1	6.1	5.2
August	29.855	30.140	29.500	69.3	77.4	72.3	80.1	64.7	72.4	88	55	65	65	66	87	66	80	.628	.627	.644	7.08	1.40	7.9	7.4	7.4	7.5
September	29.798	30.135	29.030	63.4	72.9	67.6	76.5	57.9	67.2	85	44	57	56	58	81	58	73	.484	.476	.502	2.23	1.41	4.4	5.3	2.8	4.2
October	29.890	30.180	29.090	53.9	66.1	60.6	69.8	49.5	59.6	83	36	48	47	50	80	52	69	.338	.336	.373	.92	.70	3.0	3.9	2.3	3.8
November	29.913	30.370	29.130	41.0	46.5	44.0	49.6	36.9	43.2	67	23	34	34	36	77	65	72	.205	.207	.219	2.14	.90	6.9	6.8	5.5	6.9
December	29.768	30.330	29.160	35.0	40.5	37.4	44.2	30.6	37.4	66	17	29	30	28	78	66	69	.170	.177	.160	4.25	1.54	6.6	6.0	4.7	6.3
Year	29.816	30.750	28.930	48.6	56.3	52.5	60.2	43.1	51.6	93	−3	41	41	42	77	60	69	.315	.314	.326	42.89	2.68	5.4	5.8	5.0	5.7

VALENTINE, NEBR.

[ϕ=42° 50′ N.; λ=100° 32′ W.]

January	27.387	27.930	26.810	19.3	29.8	27.8	37.6	14.2	25.9	61	−14	16	20	21	85	69	76	0.094	0.118	0.118	0.17	0.11	4.7	6.1	4.9	5.8
February	27.358	27.820	26.850	20.3	31.7	29.9	36.6	16.6	26.6	62	−1	17	20	21	86	64	69	.095	.113	.115	.29	.09	5.0	5.6	4.8	5.6
March	27.092	27.750	26.200	24.6	42.4	39.3	47.7	21.6	34.6	72	−15	19	22	24	80	48	57	.111	.122	.136	1.04	.33	2.9	3.9	4.0	4.5
April	27.136	27.490	26.712	30.3	41.1	41.7	46.5	27.4	37.0	72	10	27	28	30	85	63	66	.150	.16.	.169	4.45	1.60	6.5	6.3	6.1	6.6
May	27.272	27.640	26.820	49.5	59.7	60.3	64.7	45.3	55.0	83	37	44	43	44	84	60	59	.300	.291	.298	8.18	4.21	5.7	6.3	5.8	6.2
June	27.255	27.551	26.987	58.8	72.0	71.2	76.7	55.9	66.3	98	40	55	53	54	86	55	58	.439	.420	.439	3.48	1.25	5.1	5.5	6.4	5.7
July	27.338	27.560	27.070	64.7	81.8	80.4	86.7	60.1	73.4	102	48	57	55	56	77	42	46	.467	.441	.456	1.14	.93	3.6	3.5	4.7	3.9
August	27.324	27.550	26.800	59.7	78.6	77.1	83.2	57.2	70.2	92	38	53	50	51	80	39	42	.417	.370	.383	1.73	.92	2.7	2.9	2.7	2.9
September	27.253	27.740	26.740	52.1	72.5	70.1	77.5	49.7	63.6	97	28	46	44	46	82	41	45	.330	.311	.324	2.33	1.96	2.6	3.2	2.5	2.8
October	27.247	27.620	26.890	42.6	61.7	57.6	66.7	40.0	53.4	87	18	36	36	37	77	44	49	.215	.224	.224	1.21	.59	2.8	3.1	2.6	3.0
November	27.387	27.920	26.910	25.4	38.6	34.0	42.2	22.1	32.2	69	3	22	26	26	84	62	72	.120	.141	.144	.46	.19	5.5	5.8	3.7	5.0
December	27.182	27.690	26.630	19.9	31.6	27.2	35.5	14.0	24.8	61	−20	14	18	18	79	60	71	.089	.110	.109	.87	.69	4.0	4.9	2.4	4.4
Year	27.269	27.930	26.200	38.9	54.0	51.4	58.5	35.3	46.9	102	−20	34	35	36	82	54	59	.236	.235	.243	25.35	4.21	4.3	4.8	4.2	4.7

VICKSBURG, MISS.

[ϕ=32° 22′ N.; λ=90° 53′ W.]

January	29.919	30.250	29.470	44.5	50.0	49.5	55.9	40.3	48.1	77	25	41	42	41	89	75	75	0.286	0.289	0.279	8.65	4.90	7.5	7.6	6.5	7.5
February	29.835	30.270	29.370	44.8	52.9	53.3	58.6	42.7	50.6	76	28	39	42	41	81	68	65	.259	.278	.271	2.70	.90	6.6	6.1	4.8	6.0
March	29.770	30.270	29.170	50.5	60.3	60.1	66.0	47.8	56.9	82	26	44	43	43	78	56	57	.317	.308	.312	5.05	1.51	5.9	5.7	5.5	5.7
April	29.577	29.880	29.210	57.9	67.5	67.8	73.2	54.9	64.0	88	35	50	52	52	75	60	58	.392	.424	.413	10.15	3.77	5.4	5.2	3.9	5.2
May	29.704	29.900	29.531	68.7	77.5	75.9	81.5	66.4	74.0	90	56	65	67	66	88	70	73	.516	.655	.649	4.37	1.60	7.0	6.3	6.0	6.0
June	29.744	29.980	29.500	72.5	82.4	81.6	86.6	69.7	78.2	93	64	66	66	67	82	60	64	.654	.654	.675	3.22	1.46	3.5	5.5	4.3	4.5
July	29.778	29.960	29.550	74.4	84.3	79.7	88.4	71.5	80.0	94	68	71	73	72	89	70	80	.760	.819	.795	8.47	4.06	5.6	6.7	7.6	6.4
August	29.752	29.910	29.610	72.0	82.9	79.1	87.0	70.6	78.8	91	63	70	74	72	92	74	81	.726	.832	.802	4.07	2.14	5.7	6.7	7.3	6.8
September	29.720	29.920	29.390	71.4	83.6	79.4	86.8	69.4	78.1	92	45	68	73	71	90	71	77	.700	.830	.780	3.22	1.86	3.5	5.8	4.4	4.8
October	29.843	30.160	29.460	58.6	73.8	69.7	77.3	57.4	67.4	86	43	54	61	58	85	66	68	.432	.554	.498	.60*	.60	4.2	4.5	3.9	4.1
November	29.922	30.300	29.560	44.5	56.0	54.5	60.9	42.9	51.9	79	26	39	41	40	81	60	60	.250	.278	.268	2.56	1.49	3.9	4.2	2.4	4.0
December	29.810	30.170	29.321	43.3	51.6	50.3	56.5	40.6	48.6	72	26	39	41	40	84	71	69	.257	.279	.262	7.14	3.97	5.5	6.0	5.1	5.8
Year	29.781	30.300	29,170	58.6	68.6	66.7	73.2	56.2	64.7	94	25	54	56	55	84	67	69	.471	.517	.500	60.20	4.90	5.4	5.9	5.1	5.6

* October 31–November 1.

Annual meteorological summary for the year ending December 31, 1920—Continued.

TOPEKA, KANS.

[H_b=987 ft.; h_t=92 ft.; h_r=83 ft.; h_a=107 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	10.0	N.	36	N.	0	9	2	3	1	2	8	3	3	0	13	9	9	3	2	8	2	0	0	11	0	31	0	0
February	10.1	N.	33	NW.	0	7	1	3	3	0	4	3	8	0	11	6	12	5	1	4	1	0	5	5	0	23	0	0
March	16.5	SW.	50	W.	6	2	2	1	4	1	13	4	4	0	13	10	8	6	6	4	3	2	1	4	0	13	4	1
April	12.9	N.	44	N.	4	5	3	4	9	0	2	4	3	0	5	16	9	12	10	4	2	1	1	1	0	7	4	0
May	9.9	SE.	37	N.	0	5	4	8	9	1	1	2	1	0	5	15	11	12	7	0	0	0	1	0	0	0	8	0
June	10.8	S.	36	S.	0	4	1	2	3	5	9	4	2	0	14	11	5	10	7	0	0	2	0	0	9	0	7	0
July	7.9	SW.	50	N.	1	2	6	4	2	5	5	5	2	0	15	11	5	7	6	0	0	0	0	0	13	0	10	0
August	6.6	S.	33	NW.	0	5	3	2	6	7	1	3	4	0	15	11	5	10	9	0	0	0	2	0	3	0	8	0
September	8.4	S.	36	N.	0	4	0	4	4	9	2	6	1	0	17	8	5	11	10	0	0	0	1	0	3	0	8	0
October	11.0	S.	37	S.	0	2	1	3	5	13	4	2	1	0	13	9	9	6	6	0	0	0	1	0	0	1	2	0
November	10.3	S.	31	N.	0	7	1	3	2	5	5	2	5	0	8	6	16	6	6	3	0	0	4	4	0	14	1	0
December	11.9	S.	35	N.	0	3	3	2	4	7	2	7	3	0	9	11	11	4	2	4	2	0	1	7	0	23	0	0
Year	10.5	S.	50	N.	11	55	27	39	52	55	56	45	37	0	138	123	105	92	72	27	10	5	17	32	28	112	52	1

TRENTON, N. J.

[H_b=190 ft.; h_t=159 ft.; h_r=152 ft.; h_a=183 ft.]

Month.	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.
January	13.6	N.	49	NW.	4	14	8	3	1	3	6	13	14	0	6	10	15	12	11	8	4	0	3	19	0	30	0	0
February	14.0	NW.	48	NE.	4	10	10	3	1	6	3	14	11	0	10	5	14	13	8	14	8	0	4	9	0	29	0	0
March	14.0	W.	46	W.	6	2	3	3	9	9	7	15	13	1	13	8	10	11	8	4	4	0	3	3	0	16	1	2
April	14.4	W.	44	W.	4	8	10	5	3	5	7	12	9	1	8	12	10	15	14	2	0	1	2	0	0	5	4	0
May	10.5	S.	37	N.	0	7	11	7	2	15	7	3	10	0	10	10	11	10	7	0	0	1	1	0	0	0	2	0
June	9.8	SW.	43	NW.	1	11	6	4	4	6	10	7	5	1	6	14	10	12	9	0	0	1	2	0	2	0	7	0
July	10.3	S.	40	NW.	2	7	0	4	5	18	10	11	7	0	10	13	8	9	9	0	0	0	0	0	1	0	11	0
August	9.0	E.	37	W.	0	9	9	14	7	7	9	7	0	0	3	9	19	19	15	0	0	0	1	0	0	0	12	0
September	9.0	S.	36	W.	0	6	8	4	10	5	6	10	10	1	16	11	3	9	7	0	0	0	3	0	0	0	1	0
October	9.5	W.	33	S.	0	10	6	2	1	9	14	13	6	1	17	7	7	5	4	0	0	0	6	0	0	0	2	0
November	10.8	NE.	52	NE.	3	8	12	5	1	5	6	14	8	1	7	4	19	11	4	3	0	0	0	0	0	5	0	0
December	12.2	W.	46	W.	4	4	8	5	3	0	10	25	7	0	8	9	14	10	8	5	2	0	0	2	0	19	1	0
Year	11.4	W.	52	NE.	28	96	91	59	47	88	101	144	100	6	114	112	140	136	104	36	18	3	25	33	3	104	41	2

VALENTINE, NEBR.

[H_b=2,598 ft.; h_t=47 ft.; h_r=36 ft.; h_a=54 ft.]

Month.	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.
January	9.2	NW.	34	NW.	0	11	4	2	4	5	8	13	15	0	6	13	12	4	2	12	4	0	1	9	0	31	0	0
February	10.4	NW.	31	NW.	0	9	3	3	0	3	3	14	23	0	10	4	15	9	3	13	9	0	1	11	0	29	0	0
March	13.1	NW.	50	W.	3	6	1	8	4	3	8	15	17	0	12	12	7	9	7	9	7	0	2	4	0	24	0	0
April	10 9	N.	34	NE.	0	14	6	12	2	3	3	7	13	0	6	7	17	13	9	12	7	0	1	2	0	21	0	0
May	11.5	S.	43	SW.	1	4	7	16	8	16	2	3	5	1	7	13	11	17	13	0	0	1	3	0	0	0	9	0
June	9.1	S.	39	SE.	0	7	7	11	9	9	4	2	10	1	5	18	7	18	14	0	0	0	0	0	4	0	6	0
July	8.7	E.	63	SW.	1	9	7	12	8	9	4	7	6	0	16	12	3	10	4	0	0	0	0	0	12	0	6	0
August	9.2	S.	34	S.	0	5	5	4	14	14	6	12	1	1	20	7	4	8	7	0	0	2	0	0	7	0	8	0
September	8.6	SW.	39	S.	0	7	1	5	4	7	11	14	9	2	19	10	1	9	7	0	0	0	0	0	6	2	4	0
October	9.9	S.	41	SW.	1	9	6	2	6	10	8	10	11	0	20	7	4	5	5	2	1	0	1	0	0	7	1	0
November	9.7	NW.	35	NW.	0	6	2	2	3	6	9	11	21	0	12	9	9	7	4	6	4	0	0	0	0	25	0	0
December	10.3	W.	49	NW.	2	4	3	3	1	3	8	24	16	0	13	12	6	5	5	11	5	0	0	11	0	31	0	0
Year	10.0	NW.	63	SW.	8	91	52	80	63	88	74	132	147	5	146	124	96	114	80	65	37	3	9	37	29	170	34	0

VICKSBURG, MISS.

[H_b=247 ft.; h_t=65 ft.; h_r=58 ft.; h_a=73 ft.]

Month.	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.
January	7.2	N.	27	S.	0	18	16	4	8	6	5	1	4	0	6	4	21	11	11	0	0	0	2	0	0	5	2	0
February	6.9	N.	26	NW.	0	14	7	4	7	7	5	3	11	0	7	10	12	9	7	1	0	0	1	0	0	3	2	0
March	10.0	SE.	40	SE.	1	10	2	8	17	10	7	4	4	0	10	8	13	10	9	1	0	0	0	0	0	5	5	1
April	9.2	SE.	40	NW.	1	5	3	4	16	13	6	2	11	0	8	13	9	9	8	0	0	1	0	0	0	0	9	0
May	6.1	SE.	31	SE.	0	8	6	4	17	7	11	3	6	0	6	12	13	9	8	0	0	1	1	0	0	0	13	0
June	5.4	SE.	16	S.	0	6	11	6	16	2	8	8	3	0	15	9	6	8	7	0	0	0	0	0	9	0	6	0
July	5.3	SW.	34	NW.	0	4	7	3	9	14	15	10	0	0	3	14	14	10	9	0	0	0	0	0	12	0	15	0
August	5.0	SE.	25	NW.	0	6	10	6	13	12	8	4	2	1	2	15	14	10	10	0	0	0	1	0	3	0	9	0
September	5.8	N.	34	E.	0	18	5	12	6	3	11	4	1	0	8	19	3	6	4	0	0	0	1	0	5	0	4	0
October	5.9	SE.	18	SE.	0	8	2	5	31	1	4	3	8	0	15	9	7	5	5	0	0	0	0	0	0	0	2	0
November	6.6	N.	25	E.	0	14	10	3	12	6	6	2	7	0	16	7	7	7	5	0	0	0	0	0	0	4	0	0
December	8.3	SE.	34	E.	0	8	3	7	18	2	8	8	8	0	12	3	16	12	10	0	0	0	1	0	0	6	2	0
Year	6.8	SE.	40	SE.	2	119	82	66	170	83	94	52	65	1	108	123	135	106	93	2	0	2	7	0	29	23	69	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

WALLA WALLA, WASH.

[ϕ=46° 02′ N.; λ=118° 20′ W.]

Month.	Pressure.			Temperature.								Moisture.															
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	29.185	29.660	28.720	29.8	32.5	33.0	36.1	27.0	31.6	58	12	25	26	27	84	82	81	0.138	0.145	0.150	1.55	1.18	6.3	8.5	7.9	8.8
February	29.168	29.390	28.680	32.0	39.2	41.6	43.9	30.3	37.1	59	24	28	31	31	87	72	69	.154	.171	.176	.10	.05	4.1	4.9	4.3	5.4
March	28.834	29.350	28.330	40.7	47.9	49.8	53.0	37.5	45.2	70	27	31	31	30	70	54	48	.176	.177	.166	2.14	.59	8.0	7.3	8.3	7.5
April	28.886	29.370	28.375	42.5	53.2	55.1	57.8	40.2	49.0	76	32	33	32	33	69	47	46	.187	.185	.189	2.80	.66	6.0	6.4	6.3	5.9
May	28.943	29.210	28.661	48.9	63.6	66.8	68.7	47.1	57.9	84	41	34	33	31	58	34	28	.197	.191	.179	.57	.28	5.7	4.6	4.5	4.6
June	28.911	29.190	28.630	55.1	70.9	74.2	76.6	53.3	65.0	96	45	41	39	39	61	34	31	.263	.247	.250	1.03	.67	4.6	4.8	5.3	4.9
July	28.899	29.190	28.660	64.5	82.6	88.1	90.1	62.9	76.5	104	50	45	43	41	50	26	21	.301	.281	.265	.13	.11	1.6	2.4	2.7	2.4
August	28.903	29.290	28.610	63.2	79.5	84.2	86.5	61.1	73.8	103	47	46	46	44	56	34	29	.315	.314	.299	1.87	.52	2.1	2.4	2.5	2.5
September	28.844	29.280	28.420	55.4	68.4	71.0	74.1	52.7	63.4	92	45	44	45	45	67	45	44	.291	.302	.314	1.99	.84	4.8	4.4	4.0	4.4
October	28.934	29.280	28.520	46.6	56.4	56.4	60.7	43.2	52.0	81	31	38	39	40	74	54	56	.236	.239	.252	1.65	.76	6.3	6.5	6.3	6.4
November	29.043	29.400	28.550	38.2	45.3	44.5	49.2	34.5	41.8	67	26	31	34	34	76	64	68	.177	.196	.202	2.10	.74	5.4	6.7	6.5	6.3
December	28.900	29.570	28.080	37.5	41.2	40.7	45.5	34.1	39.8	62	22	31	32	32	79	71	73	.176	.182	.183	2.50	.52	7.9	8.5	8.5	8.4
Year	28.954	29.660	28.080	46.2	56.7	58.8	61.8	43.7	52.8	104	12	36	36	36	69	51	50	.218	.219	.219	18.43	1.18	5.2	5.6	5.6	5.6

WASHINGTON, D. C.

[ϕ=38° 54′ N.; λ=77° 03′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	30.094	30.782	29.395	25.2	30.6	29.4	35.6	21.8	28.7	59	9	17	19	17	70	61	61	0.105	0.112	0.104	2.30	0.62	6.3	5.9	4.5	6.3
February	29.903	30.789	29.471	28.2	34.2	34.5	39.7	25.7	32.7	55	9	21	22	23	74	62	63	.121	.127	.130	3.47	1.55	6.1	7.1	5.7	6.9
March	29.917	30.384	29.212	39.8	50.4	48.4	56.3	34.7	45.5	77	17	31	30	30	71	48	52	.191	.187	.184	2.39	.90	4.8	4.8	3.9	4.8
April	29.721	30.128	29.113	48.9	56.8	54.6	61.7	43.6	52.6	84	31	37	34	38	66	46	56	.239	.217	.239	4.69	.96	5.7	5.6	5.2	5.8
May	29.944	30.403	29.567	56.6	66.0	63.1	70.0	50.0	60.0	86	38	46	43	46	69	47	56	.322	.300	.326	1.42	.78	4.7	5.8	4.7	5.3
June	29.861	30.225	29.300	68.5	76.9	72.2	81.8	61.3	71.6	95	54	59	58	61	74	54	69	.518	.503	.550	4.80	1.92	5.3	6.1	5.8	5.8
July	29.881	30.130	29.505	71.4	80.9	75.7	85.1	65.0	75.0	95	54	63	62	65	75	53	69	.584	.571	.619	5.71	2.88	4.3	6.0	5.5	5.4
August	29.937	30.148	29.630	70.3	78.5	74.4	82.5	67.2	74.8	92	56	66	65	67	87	66	80	.653	.641	.677	4.70	1.79	8.1	7.0	7.4	6.7
September	29.897	30.215	29.285	64.4	74.4	68.6	78.1	59.4	68.8	89	45	59	57	60	84	57	74	.515	.485	.528	2.87	1.39	5.6	4.6	1.9	4.7
October	30.007	30.240	29.390	54.0	68.6	60.5	72.7	49.7	61.2	85	38	48	48	51	80	49	72	.344	.354	.395	.40	.38	3.7	3.4	2.2	3.5
November	30.017	30.482	29.140	41.4	49.1	46.2	53.0	38.8	45.9	73	19	35	36	37	79	62	71	.211	.220	.230	4.51	2.38	5.8	5.9	5.1	6.9
December	29.894	30.439	29.270	35.8	42.2	39.9	45.4	33.2	39.3	68	22	29	28	27	75	57	61	.168	.160	.154	3.15	1.45	6.2	7.4	5.5	7.5
Year	29.923	30.789	29.113	50.4	59.0	55.6	63.5	45.9	54.7	95	9	43	42	43	75	55	65	.331	.323	.345	40.41	2.88	5.6	5.8	4.8	5.8

WAUSAU, WIS.

[ϕ=44° 57′ N.; λ=89° 35′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.795	29.265	28.394	1.3	11.3	....	14.7	-3.8	5.4	34	-21	....	....	....	....	....	....	....	....	....	1.09	0.27	6.6	7.2	....	6.9
February	28.597	29.010	28.045	8.4	20.8	....	23.4	6.4	14.9	36	-15	....	....	....	....	....	....	....	....	....	.38	.14	6.6	5.8	....	6.6
March	28.450	28.935	27.815	22.8	34.3	....	38.8	19.5	29.2	69	-17	....	....	....	....	....	....	....	....	....	2.42	.98	5.4	5.6	....	6.4
April	28.456	28.924	27.649	31.5	41.5	....	45.6	27.7	36.6	64	6	....	....	....	....	....	....	....	....	....	1.82	1.13	5.8	6.3	....	5.8
May	28.759	29.091	28.348	48.1	63.7	....	66.8	42.5	54.6	84	28	....	....	....	....	....	....	....	....	....	2.39	1.01	4.4	5.0	....	4.4
June	28.651	28.945	28.333	60.9	72.6	....	76.5	54.9	65.7	89	42	....	....	....	....	....	....	....	....	....	4.99	1.57	6.5	6.5	....	6.5
July	28.662	28.909	28.325	60.1	75.7	....	76.4	54.6	65.5	88	45	....	....	....	....	....	....	....	....	....	1.12	.40	4.3	4.6	....	4.3
August	28.727	28.987	28.436	56.9	76.0	....	78.2	53.0	65.6	91	39	....	....	....	....	....	....	....	....	....	2.08	1.05	4.4	4.5	....	4.7
September	28.660	29.016	28.374	52.9	70.4	....	72.0	48.3	60.2	87	33	....	....	....	....	....	....	....	....	....	1.44	.53	5.0	....	....	5.1
October	28.709	29.133	28.401	45.5	62.7	....	64.3	43.2	53.8	77	18	....	....	....	....	....	....	....	....	....	3.17	1.03	4.4	3.6	....	5.5
November	28.723	29.116	28.186	27.9	34.4	....	36.7	25.9	31.3	51	10	....	....	....	....	....	....	....	....	....	2.31	1.25	6.9	7.4	....	7.8
December	28.509	29.004	27.534	19.9	26.2	....	28.1	16.8	22.4	48	-19	....	....	....	....	....	....	....	....	....	1.62	.63	7.6	7.8	....	8.0
Year	28.642	29.265	27.534	36.4	49.1	....	51.8	32.4	42.1	91	-21	....	....	....	....	....	....	....	....	....	24.83	1.57	5.7	....	....	6.0

WICHITA, KANS.

[ϕ=37° 41′ N.; λ=97° 20′ W.]

Month.	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
January	28.758	29.230	28.180	26.5	34.0	33.7	39.6	23.8	31.7	60	12	24	25	26	89	70	75	0.129	0.136	0.147	0.41	0.17	3.9	5.5	4.0	4.9
February	28.665	29.090	28.180	29.7	40.6	42.2	46.6	27.6	37.1	67	12	25	27	28	82	59	60	.139	.151	.161	.32	.30	4.2	5.1	3.9	4.5
March	28.441	29.150	27.670	38.6	52.1	53.3	59.5	34.7	47.1	79	1	29	28	27	69	43	40	.206	.180	.170	1.13	1.12	4.3	3.4	3.4	3.8
April	28.337	28.710	27.846	42.4	57.4	57.5	62.8	39.3	51.0	83	21	37	35	37	82	47	50	.232	.216	.230	1.56	.49	4.8	5.2	4.7	5.1
May	28.509	28.880	28.144	58.4	68.7	70.5	74.4	56.5	65.4	90	45	55	55	57	90	66	64	.454	.453	.430	2.97	1.35	6.5	6.6	5.2	6.1
June	28.548	28.740	28.240	66.6	78.9	78.4	82.9	64.3	73.6	97	52	60	58	60	80	52	55	.531	.509	.539	3.76	1.64	4.0	3.3	3.2	3.6
July	28.587	28.790	28.270	71.1	83.3	83.5	88.5	68.5	78.5	100	60	64	63	65	81	53	55	.606	.586	.619	4.05	1.50	4.6	3.1	3.2	3.5
August	28.582	28.840	28.240	66.5	79.1	79.3	83.8	65.1	74.4	95	56	60	60	60	81	56	56	.536	.540	.537	4.40	1.43	4.7	5.0	4.5	4.5
September	28.551	28.980	28.080	62.9	77.5	75.1	80.4	62.1	71.2	93	36	58	58	57	86	52	57	.507	.499	.494	4.16	1.59	3.4	2.8	2.5	3.3
October	28.580	28.960	28.140	55.1	67.7	66.2	71.9	53.6	62.8	87	35	48	49	49	77	55	57	.357	.377	.374	2.75	1.61	4.3	3.7	3.1	3.8
November	28.712	29.290	28.240	35.9	43.6	43.3	48.0	33.8	40.9	68	16	32	33	35	87	68	72	.194	.204	.217	2.68	1.56	4.5	4.9	4.3	5.0
December	28.519	28.960	27.920	31.2	38.9	38.5	43.9	27.8	35.8	61	5	26	27	28	81	64	68	.149	.156	.161	1.76	1.02	5.1	5.4	2.9	4.9
Year	28.566	29.290	27.670	48.7	60.2	60.1	65.2	46.4	55.8	100	1	43	43	44	82	57	59	.337	.334	.344	29.95	1.64	4.5	4.5	3.7	4.4

Annual meteorological summary for the year ending December 31, 1920—Continued.

WALLA WALLA, WASH.

[H_b=1,000 ft.; h_t=57 ft.; h_r=50 ft.; h_a=65 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	3.9	S.	24	S.	0	2	2	2	3	19	17	9	5	3	3	1	27	5	4	3	2	0	7	18	0	25	0	0
February	3.2	S.	19	S.	0	2	0	3	7	12	16	6	8	4	13	6	10	3	2	3	2	0	4	0	0	25	0	0
March	7.7	S.	35	W.	0	2	4	2	5	21	17	7	3	1	3	9	19	14	10	7	2	3	0	0	0	5	0	1
April	6.6	S.	37	W.	0	0	0	3	6	26	12	11	2	0	7	11	12	13	12	5	2	1	0	0	0	2	2	0
May	5.4	S.	28	NW.	0	3	3	1	7	24	9	11	3	1	12	14	5	7	4	0	0	0	0	0	0	0	1	0
June	4.9	S.	19	W.	0	5	3	3	4	22	11	9	2	1	13	8	9	5	5	0	0	0	0	0	3	0	2	0
July	4.8	S.	27	SW.	0	2	2	2	8	25	11	12	0	0	22	7	2	4	1	0	0	0	0	0	17	0	5	0
August	4.2	S.	24	W.	0	2	2	3	10	22	9	11	2	1	22	5	4	4	4	0	0	0	0	0	15	0	4	0
September	4.7	S.	26	S.	0	3	2	5	14	19	10	6	0	1	14	7	9	12	7	0	0	0	0	0	1	0	2	1
October	4.5	S.	23	SW.	0	4	3	4	13	15	14	6	1	2	8	8	15	13	10	0	0	0	0	0	0	1	0	0
November	4.3	S.	27	SW.	0	3	2	3	6	24	10	6	4	2	9	4	17	10	9	2	1	0	0	0	0	16	1	0
December	6.2	S.	42	W.	1	0	2	0	9	31	16	4	0	0	2	4	25	14	13	5	4	0	1	1	0	14	0	0
Year	5.0	S.	42	W.	1	28	25	31	92	260	152	98	30	16	128	84	154	104	81	25	13	4	12	19	36	88	17	2

WASHINGTON, D. C.

[H_b=112 ft.; h_t=62 ft.; h_r=42 ft.; h_a=85 ft.]

Month.	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.
January	8.2	NW.	42	NW.	1	19	6	3	3	6	6	4	14	1	9	6	16	9	7	4	2	0	2	9	0	28	0	0
February	9.6	NW.	35	NW.	0	11	8	5	3	2	6	5	18	0	6	9	14	14	11	8	3	0	2	5	0	22	1	0
March	8.8	NW.	48	NW.	2	2	2	2	13	11	9	8	15	0	14	5	12	9	6	4	4	0	0	2	0	13	1	3
April	9.0	NW.	34	NW.	0	7	7	4	6	8	9	4	15	0	9	9	12	18	14	1	0	0	0	0	0	2	4	0
May	6.4	S.	38	NW.	0	12	7	7	6	16	4	1	9	0	13	5	13	8	5	0	0	0	0	0	0	0	1	1
June	5.5	NW.	36	NW.	0	8	4	3	1	12	9	8	12	3	7	10	13	12	11	0	0	1	0	0	5	0	8	0
July	5.2	S.	41	NW.	1	9	5	4	0	13	16	4	10	1	8	13	10	12	10	0	0	1	0	0	7	0	11	0
August	4.9	N.	27	NW.	0	13	5	10	5	7	13	5	3	1	5	11	15	16	12	0	0	0	0	0	3	0	6	0
September	4.9	NW.	24	NW.	0	9	6	4	2	7	5	7	12	8	12	12	6	8	5	0	0	0	1	0	0	0	5	0
October	4.9	NW.	28	NW.	0	14	2	2	1	5	5	11	13	9	18	8	5	4	2	0	0	0	0	0	0	0	0	0
November	6.8	NW.	42	NW.	1	10	10	4	3	6	5	4	13	5	7	5	18	11	8	1	0	0	2	0	0	5	0	0
December	7.7	NW.	34	NW.	0	11	4	2	4	4	6	8	21	2	3	9	19	7	7	4	1	0	1	1	0	16	1	0
Year	6.8	NW.	48	NW.	5	125	66	50	47	97	93	69	155	39	111	102	153	128	98	22	10	2	8	17	15	86	38	4

WAUSAU, WIS.

[H_b=1,247 ft.; h_t=4 ft.; h_r=38 ft.; h_a=— ft.]

Month.	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.
January	.....	* NW.	....	.....	....	4	1	2	4	1	2	0	15	1	5	8	18	13	8	20	13	0	0	29	0	31	0	0
February	.....	NW.	....	.....	....	1	2	2	1	1	2	3	12	1	6	10	13	8	5	17	8	0	0	25	0	29	0	0
March	.....	SE.	....	.....	....	3	1	1	11	2	3	6	3	1	10	8	13	10	7	12	6	0	2	10	0	25	2	2
April	.....	N.	....	.....	....	10	4	2	4	0	1	1	8	0	5	9	16	7	5	8	4	0	0	5	0	18	1	2
May	.....	NW.	....	.....	....	1	4	4	8	2	1	1	8	2	14	6	11	8	6	0	0	0	0	0	0	4	1	0
June	.....	S.	....	.....	....	3	3	1	7	8	1	1	5	1	5	12	13	14	10	0	0	1	0	0	0	0	8	1
July	.....	NW.	....	.....	....	4	3	1	6	5	1	3	7	1	13	12	6	8	6	0	0	0	0	0	0	0	3	0
August	.....	N.	....	.....	....	8	2	2	6	3	3	2	5	0	14	6	11	7	4	0	0	0	0	0	1	0	2	1
September	.....	NW.	....	.....	....	1	5	4	4	3	4	0	8	1	14	6	10	7	5	0	0	1	0	0	0	0	2	1
October	.....	SE.	....	.....	....	7	2	1	9	5	3	1	3	0	11	8	12	9	9	2	0	0	2	0	0	6	5	0
November	.....	NW.	....	.....	....	6	5	0	4	0	3	5	6	1	5	5	20	10	7	11	6	0	1	8	0	21	0	0
December	.....	NW.	....	.....	....	3	2	0	6	2	1	3	13	1	3	7	21	10	9	15	9	0	3	18	0	28	0	0
Year	.....	NW.	....	.....	....	51	34	20	70	32	25	26	93	10	105	97	164	111	81	85	46	2	8	95	1	162	24	7

WICHITA, KANS.

[H_b=1,358 ft.; h_t=139 ft.; h_r=132 ft.; h_a=158 ft.]

Month.	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.
January	12.1	S.	49	NE.	1	8	15	3	7	18	7	2	2	0	13	8	10	3	3	5	2	0	3	9	0	28	0	0
February	12.5	N.	37	SW.	0	16	12	0	1	12	8	1	8	0	13	9	7	2	1	5	1	0	1	2	0	18	0	0
March	20.2	S.	60	S.	13	9	4	1	8	28	2	1	9	0	18	7	6	2	2	3	0	0	0	4	0	8	3	1
April	16.7	S.	56	SW.	8	8	4	6	12	13	1	6	10	0	11	13	6	9	7	3	1	0	0	1	0	6	5	0
May	12.6	S.	44	SW.	1	8	12	10	10	17	2	1	2	0	6	13	12	11	8	0	0	1	0	0	0	0	5	0
June	14.3	S.	38	S.	0	2	12	5	7	31	0	0	3	0	18	9	3	7	7	0	0	1	0	0	5	0	6	0
July	10.4	S.	44	W.	3	4	6	7	18	20	2	2	3	0	17	11	3	12	9	0	0	1	0	0	15	0	10	0
August	9.5	SE.	48	SE.	1	10	5	5	20	15	1	0	4	2	12	12	7	8	7	0	0	0	0	0	5	0	9	0
September	11.5	S.	40	S.	1	7	12	6	12	19	1	0	2	1	17	9	4	6	5	0	0	0	0	0	2	0	2	0
October	14.7	S.	42	S.	1	4	3	3	16	30	1	4	1	0	15	7	9	7	5	0	0	0	1	0	0	0	2	0
November	13.0	S.	38	N.	0	9	12	3	5	16	7	1	7	0	12	8	10	6	5	5	0	0	2	3	0	12	0	0
December	14.4	S.	42	NW.	2	10	7	2	3	23	5	0	11	1	9	16	6	4	4	2	0	0	2	5	0	18	1	0
Year	13.5	S.	60	S.	31	95	104	51	119	242	37	18	62	4	161	122	83	77	63	23	4	3	9	24	27	90	43	1

* By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

WILLISTON, N. DAK.

[ϕ=48° 09′ N.; λ=103° 35′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.133	28.708	27.600	2.9	9.5	8.6	15.0	-3.3	5.8	37	-37	0	4	4	87	79	82	0.047	0.056	0.056	0.92	0.28	5.3	5.5	5.7	6.5
February	28.100	28.580	27.530	2.8	9.8	20.0	24.8	7.4	16.1	40	-22	11	16	16	90	84	84	.074	.093	.093	.13	.07	6.0	4.8	5.3	5.3
March	27.814	28.580	26.947	17.6	28.6	28.9	33.9	13.5	23.7	58	-16	14	19	20	86	68	68	.095	.115	.119	2.18	1.22	5.5	5.1	5.8	5.1
April	27.962	28.470	27.470	25.5	36.8	38.3	41.0	24.0	32.5	57	-3	21	23	25	81	58	58	.120	.131	.137	.86	.20	5.2	6.2	6.0	5.5
May	27.979	28.370	27.530	47.1	61.6	62.4	66.2	43.6	54.9	84	33	37	36	36	70	42	42	.226	.217	.216	2.03	.49	5.4	5.9	5.5	5.1
June	27.954	28.240	27.650	54.8	68.8	70.6	73.7	52.0	62.8	90	37	48	47	47	79	49	46	.342	.331	.336	3.50	2.30	5.8	5.8	4.6	4.8
July	28.025	28.310	27.690	61.2	78.1	79.5	83.2	58.4	70.8	98	47	54	53	53	79	44	41	.428	.415	.403	.96	.51	4.0	3.5	3.9	3.4
August	27.953	28.262	27.540	59.4	79.1	81.9	85.0	56.9	71.0	102	43	48	49	48	68	37	34	.346	.349	.336	.81	.70	3.9	2.7	4.1	3.3
September	27.906	28.487	27.420	47.9	67.1	67.5	71.7	45.8	58.8	96	25	40	42	42	76	42	42	.257	.276	.276	.60	.47	4.0	4.1	3.9	3.8
October	27.915	28.380	27.480	39.2	55.3	52.5	59.5	36.0	47.8	86	24	31	34	34	72	47	52	.176	.198	.200	.92	.57	4.3	5.0	5.4	4.8
November	28.090	28.670	27.600	23.1	33.1	30.8	37.1	18.4	27.8	54	-3	18	22	22	79	65	70	.099	.123	.123	.09	.04	4.7	6.2	4.6	5.8
December	27.885	28.480	27.270	14.3	22.8	19.8	26.7	8.1	17.4	49	-19	10	14	13	81	70	72	.075	.092	.085	.13	.10	4.5	6.3	4.3	5.9
Year	27.976	28.708	26.947	33.8	46.7	46.7	51.5	30.1	40.8	102	-37	28	30	30	79	57	58	.190	.200	.198	13.13	2.30	4.9	5.1	4.9	4.9

WILMINGTON, N. C.

[ϕ=34° 14′ N.; λ=77° 57′ W.]

January	30.127	30.500	29.540	41.2	50.2	47.1	55.8	37.6	46.7	73	13	34	36	37	76	62	69	0.227	0.246	0.248	1.10	0.46	6.1	5.8	6.0	6.3
February	29.937	30.520	29.360	40.6	47.9	45.7	52.9	36.9	44.9	68	24	36	38	37	82	69	75	.228	.248	.244	3.62	1.39	5.9	4.9	4.9	5.1
March	30.023	30.490	29.350	48.4	58.9	53.7	62.4	44.0	53.2	79	24	42	45	45	78	62	72	.304	.343	.326	4.11	1.60	4.3	4.4	4.3	4.4
April	29.818	30.120	29.330	58.7	66.6	61.5	69.6	53.5	61.6	88	36	53	55	54	83	69	78	.432	.458	.442	4.69	1.31	6.2	4.9	4.5	5.0
May	29.960	30.380	29.650	61.9	70.6	65.0	73.5	56.3	64.9	83	42	55	53	56	77	56	74	.437	.416	.455	1.22	.33	4.2	5.1	4.3	4.6
June	29.946	30.260	29.590	73.5	82.6	74.9	84.8	67.6	76.2	98	57	65	61	65	75	50	72	.624	.551	.630	3.96	1.80	3.4	4.6	4.7	4.3
July	29.980	30.200	29.670	75.7	82.4	76.7	85.5	70.0	77.8	95	58	69	67	70	80	61	80	.713	.671	.734	7.23	1.55	5.1	6.0	6.0	5.7
August	29.996	30.150	29.730	75.4	82.2	76.4	84.7	70.6	77.6	92	64	71	70	71	87	67	84	.768	.729	.764	5.23	1.64	5.0	6.7	6.7	6.2
September	29.918	30.090	29.250	72.1	80.2	74.5	83.0	67.8	75.4	93	56	68	66	68	87	65	80	.686	.656	.684	11.09	3.68	5.2	6.0	5.1	5.5
October	30.071	30.360	29.580	58.7	72.8	65.4	75.5	54.6	65.0	85	36	53	50	56	83	47	73	.429	.387	.472	.48	.48	2.6	2.9	3.0	3.2
November	30.058	30.420	29.360	49.0	61.4	56.3	65.5	45.0	55.2	80	30	45	43	48	86	54	75	.322	.303	.359	3.31	2.20	4.6	3.9	4.9	4.4
December	29.980	30.330	29.590	44.5	53.6	49.3	57.4	40.2	48.8	70	30	38	36	38	78	54	67	.248	.227	.245	4.08	1.64	5.3	5.7	5.8	5.5
Year	29.984	30.520	29.250	58.3	67.4	62.2	70.9	53.7	62.3	98	13	52	52	54	81	60	75	.452	.436	.467	50.12	3.68	4.8	5.1	5.0	5.0

WINNEMUCCA, NEV.

[ϕ=40° 58′ N.; λ=117° 43′ W.]

January	25.770	26.080	25.450	22.3	39.1	38.0	44.4	18.6	31.5	58	-4	18	26	26	82	59	61	0.110	0.143	0.144	0.39	0.24	3.0	3.2	3.7	3.8
February	25.680	25.938	25.120	23.1	43.4	43.9	48.0	21.0	34.5	58	14	20	24	24	85	48	48	.103	.132	.130	.24	.09	2.0	2.3	3.0	2.9
March	25.507	25.950	25.082	30.6	44.6	45.2	49.4	27.6	38.5	65	22	25	26	26	79	51	50	.132	.142	.139	1.73	.97	6.2	6.1	6.1	6.3
April	25.525	25.850	25.120	31.9	52.2	53.3	57.6	29.6	43.6	72	21	24	23	23	73	34	34	.130	.123	.127	.80	.53	5.6	6.1	6.2	5.8
May	25.554	25.772	25.320	39.4	66.5	66.5	71.1	37.2	54.2	84	28	27	26	25	61	22	23	.146	.138	.138	.15	.07	3.8	3.8	5.4	4.1
June	25.563	25.810	25.302	46.8	74.6	74.6	78.7	45.5	62.1	94	31	33	32	32	58	23	24	.191	.188	.186	.51	.41	3.7	3.9	4.4	4.2
July	25.638	25.820	25.430	53.2	85.6	85.8	89.7	51.6	70.6	96	44	33	34	34	48	17	16	.192	.199	.194	T.	T.	1.0	1.3	2.0	1.5
August	25.629	25.812	25.400	51.8	83.3	83.1	87.5	49.6	68.6	101	38	34	37	36	53	22	22	.199	.222	.219	.76	.47	1.5	1.4	1.7	1.4
September	25.585	25.900	25.180	45.5	72.5	71.2	76.9	43.2	60.0	90	31	36	37	36	71	30	31	.216	.226	.216	.40	.22	3.7	3.4	3.8	3.7
October	25.604	25.910	25.180	33.5	55.7	51.8	59.6	29.5	44.6	82	20	28	30	31	78	40	48	.150	.167	.176	.52	.22	4.0	5.6	5.8	5.3
November	25.690	25.980	25.403	30.3	44.7	41.6	48.2	27.0	37.6	59	14	25	30	30	81	58	65	.141	.170	.172	1.33	.42	5.6	6.8	6.9	6.6
December	25.609	26.060	25.080	27.1	36.7	33.4	40.0	22.3	31.2	52	6	22	25	26	80	63	72	.120	.136	.138	1.17	.31	6.5	7.0	7.4	6.9
Year	25.613	26.080	25.080	36.3	58.2	57.4	62.6	33.6	48.1	101	-4	27	29	29	71	39	41	.152	.166	.165	8.00	.97	3.9	4.2	4.7	4.4

WYTHEVILLE, VA.

[ϕ=36° 56′ N.; λ=81° 05′ W.]

January	27.728	28.150	27.200	29.5	34.9	33.0	41.2	23.2	32.2	62	3	23	26	25	77	70	72	0.142	0.155	0.151	2.29	1.09	6.3	5.8	5.1	6.5
February	27.580	28.200	27.220	27.7	33.3	32.2	38.3	24.6	31.4	50	4	23	25	25	80	72	74	.133	.147	.143	2.57	1.09	6.4	6.9	6.2	7.1
March	27.656	27.990	27.075	36.2	46.7	44.3	52.6	31.7	42.2	68	7	28	28	30	71	50	57	.166	.168	.180	2.72	1.12	4.8	5.2	4.3	4.4
April	27.486	27.820	27.050	44.4	54.3	52.2	60.0	39.3	49.6	81	22	36	35	37	72	51	58	.221	.224	.237	3.23	1.23	5.6	5.1	4.8	4.7
May	27.697	28.042	27.390	53.8	64.3	60.3	68.5	47.6	58.0	81	32	45	44	46	73	50	62	.318	.300	.325	2.53	.67	5.1	4.5	5.5	4.1
June	27.704	28.030	27.350	63.3	73.1	68.2	76.6	56.5	66.6	86	45	57	56	58	80	58	72	.468	.455	.492	6.54	2.42	3.8	4.5	5.4	3.5
July	27.725	27.944	27.449	65.5	75.9	71.4	79.7	59.1	69.4	86	50	60	60	61	84	59	71	.526	.530	.543	3.25	1.07	3.2	4.4	4.2	2.8
August	27.746	27.880	27.550	64.3	71.9	67.6	76.4	60.6	68.5	83	52	62	62	63	91	73	86	.555	.566	.578	8.99	1.77	6.3	5.9	6.3	5.9
September	27.712	27.912	27.270	59.5	70.4	64.6	74.3	56.4	65.4	82	43	57	59	58	91	68	81	.464	.503	.497	3.39	1.10	6.2	5.3	4.9	4.6
October	27.813	28.000	27.370	46.3	65.4	55.7	68.8	42.1	55.4	79	27	42	44	45	86	47	70	.277	.305	.321	.08	.08	2.5	1.8	1.2	1.4
November	27.738	28.090	27.300	36.3	46.2	42.1	50.0	33.5	41.8	70	14	30	33	33	80	63	72	.176	.195	.198	4.44	1.65	5.8	5.3	4.9	5.7
December	27.605	27.950	27.200	31.4	38.4	35.8	43.2	29.2	36.2	63	19	26	27	27	78	64	70	.142	.151	.151	2.77	1.04	6.4	5.5	5.9	6.0
Year	27.682	28.200	27.050	46.5	56.2	52.3	60.8	42.0	51.4	86	3	41	42	42	80	60	70	.299	.309	.318	42.80	2.42	5.2	5.0	4.9	4.7

Annual meteorological summary for the year ending December 31, 1920—Continued.

WILLISTON, N. DAK.

[H_b=1,878 ft.; h_t=41 ft.; h_r=33 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.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	7.7	W.	32	NW.	0	8	9	7	9	6	8	11	3	1	7	7	17	7	5	13	7	0	1	27	0	31	0	0
February	9.5	W.	30	NW.	0	3	4	3	7	4	8	18	11	0	10	11	8	3	2	9	3	0	1	24	0	29	0	0
March	9.1	W.	48	NW.	2	4	4	6	8	8	3	21	8	0	10	14	7	10	6	10	8	0	3	11	0	30	0	0
April	10.1	N.	38	SE.	0	15	10	12	4	2	2	7	8	0	9	10	11	11	8	6	5	0	0	6	0	22	0	0
May	11.4	SE.	42	E.	1	7	4	13	17	5	3	10	3	0	8	17	6	9	8	1	1	0	0	0	0	0	4	0
June	8.3	SE.	38	W.	0	5	9	10	13	2	2	14	5	0	11	15	4	12	9	0	0	2	1	0	1	0	10	0
July	7.0	N.	36	W.	0	11	9	9	9	4	5	8	7	0	19	11	1	9	5	0	0	0	0	0	6	0	11	0
August	7.5	SE.	38	NW.	0	9	6	4	18	5	5	8	7	0	17	10	4	3	2	0	0	0	0	0	14	0	1	0
September	7.5	SE.	36	NW.	0	5	6	4	16	3	7	11	8	0	15	12	3	6	2	0	0	0	0	0	1	2	3	2
October	8.2	W.	38	W.	0	7	6	4	9	5	12	13	6	0	11	13	7	6	4	0	0	0	0	1	0	12	1	0
November	6.8	W.	40	W.	1	5	2	7	9	9	10	11	7	0	9	8	13	5	1	9	4	0	1	9	0	29	0	0
December	7.1	W.	36	NW.	0	9	3	2	8	11	6	15	8	0	10	7	14	4	2	9	3	0	1	13	0	31	0	0
Year	8.4	W.	48	NW.	4	88	72	81	127	64	71	147	81	1	136	135	95	85	54	57	31	2	8	91	22	186	30	2

WILMINGTON, N. C.

[H_b=78 ft.; h_t=81 ft.; h_r=76 ft.; h_a=91 ft.]

Month.	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.
January	8.7	SW.	29	N.	0	15	13	1	1	8	13	9	2	0	7	12	12	10	8	1	0	0	1	1	0	10	0	0
February	7.4	W.	32	SW.	0	13	4	7	2	3	7	18	4	0	14	2	13	12	9	1	0	0	0	0	0	9	2	0
March	9.3	W.	45	SW.	1	5	13	2	4	9	14	12	3	0	15	7	9	10	9	0	0	0	0	0	0	6	3	1
April	10.4	SW.	37	SW.	0	3	10	5	0	10	19	11	2	0	12	8	10	16	14	0	0	0	1	0	0	0	5	0
May	7.6	E.	22	E.	0	13	16	16	4	3	5	5	0	0	14	9	8	7	5	0	0	0	0	0	0	0	1	0
June	7.4	W.	28	SW.	0	6	9	7	5	6	15	11	1	0	15	10	5	7	6	0	0	0	0	0	7	0	8	0
July	7.7	SW.	24	SW.	0	2	6	6	1	6	28	10	3	0	8	11	12	15	13	0	0	0	1	0	3	0	16	0
August	6.1	SW.	24	NE.	0	8	8	3	3	14	19	4	3	0	4	16	11	16	14	0	0	0	2	0	2	0	9	0
September	7.0	NE.	33	NE.	0	7	19	4	1	8	8	10	3	0	9	11	10	12	9	0	0	0	3	0	2	0	9	0
October	5.5	N.	26	SW.	0	14	11	5	5	5	3	11	8	0	18	10	3	2	2	0	0	0	8	0	0	0	1	0
November	7.2	W.	27	W.	0	11	13	2	1	5	14	14	0	0	16	4	10	9	8	0	0	0	1	0	0	2	0	0
December	7.5	W.	38	S.	0	7	11	2	1	5	9	22	5	0	10	7	14	10	7	0	0	0	0	0	0	2	1	0
Year	7.6	SW.	45	SW.	1	104	133	60	28	82	154	137	34	0	142	107	117	126	104	2	0	0	17	1	14	29	55	1

WINNEMUCCA, NEV.

[H_b=4,344 ft.; h_t=18 ft.; h_r=3 ft.; h_a=56 ft.]

Month.	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.
January	5.8	NE.	25	N.	0	5	34	5	0	2	11	5	0	0	17	6	8	3	3	2	1	0	0	4	0	29	0	0
February	6.5	NE.	27	NE.	0	2	32	3	1	2	14	3	1	0	19	3	7	5	2	5	4	0	0	1	0	29	0	0
March	8.4	SW.	43	SW.	2	1	11	3	0	3	26	11	7	0	7	10	14	10	7	12	8	0	0	0	0	28	0	0
April	8.8	SW.	42	W.	2	1	11	4	0	3	16	8	16	1	10	8	12	6	3	6	4	0	0	0	0	22	0	0
May	6.5	NE.	38	SW.	0	3	22	1	4	3	11	6	12	0	17	6	8	3	2	0	0	0	0	0	0	6	1	0
June	6.7	SW.	26	SW.	0	1	16	0	2	3	17	10	11	0	15	7	8	3	3	0	0	0	0	0	1	1	0	0
July	6.2	SW.	26	SE.	0	0	8	0	1	1	27	16	9	0	25	6	0	0	0	0	0	0	0	0	19	0	2	0
August	6.0	NE.	33	S.	0	5	20	1	0	2	22	7	5	0	25	4	2	4	3	0	0	0	0	0	19	0	1	0
September	6.7	SW.	33	SW.	0	2	16	1	1	2	20	10	8	0	18	3	9	3	2	1	0	0	0	0	1	1	2	0
October	6.5	SW.	32	NW.	0	2	19	2	0	4	20	10	5	0	9	12	10	5	4	2	1	0	0	0	0	22	0	0
November	6.4	NE.	32	SW.	0	6	25	2	3	3	15	6	0	0	8	7	15	10	7	4	3	0	0	0	0	20	0	0
December	7.5	SW.	54	SW.	1	2	22	1	2	8	19	7	1	0	6	7	18	12	10	13	8	0	0	2	0	28	0	0
Year	6.8	NE.	54	SW.	5	30	236	23	14	36	218	99	75	1	176	79	111	64	46	45	29	0	0	7	40	186	6	0

WYTHEVILLE, VA.

[H_b=2,304 ft.; h_t=49 ft.; h_r=40 ft.; h_a=55 ft.]

Month.	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.
January	8.0	W.	42	SW.	1	4	7	8	0	0	9	24	9	1	7	7	17	9	7	5	0	0	2	7	0	29	0	0
February	8.3	W.	32	W.	0	5	0	8	0	0	6	23	14	2	6	5	18	11	9	8	4	0	3	7	0	25	0	0
March	8.5	W.	35	W.	0	1	3	1	6	4	7	26	13	1	13	7	11	13	10	4	0	0	0	3	0	16	1	1
April	8.8	W.	40	W.	1	3	5	9	0	1	9	25	6	2	13	9	8	15	11	1	1	0	0	0	0	6	4	0
May	5.2	E.	20	SW.	0	3	5	15	9	3	3	8	15	1	12	13	6	9	7	0	0	0	0	0	0	1	2	0
June	5.3	W.	34	W.	0	7	1	8	4	1	4	26	8	1	19	6	5	12	10	0	0	0	0	0	0	0	6	0
July	5.0	W.	21	SW.	0	2	6	4	4	1	11	27	7	0	21	9	1	12	8	0	0	0	1	0	0	0	5	0
August	3.9	W.	18	NW.	0	4	3	10	8	1	10	17	6	3	5	18	8	20	18	0	0	0	5	0	0	0	7	0
September	4.6	E.	20	W.	0	5	1	14	4	3	5	14	12	2	8	17	5	13	9	0	0	1	2	0	0	0	3	0
October	4.6	W.	24	W.	0	4	1	7	10	3	4	19	13	1	27	4	0	1	1	1	0	0	2	0	0	2	0	0
November	6.7	W.	35	NW.	0	2	4	13	4	0	4	26	6	1	10	6	14	11	9	1	1	0	0	1	0	11	0	0
December	8.9	W.	37	W.	0	0	3	9	1	0	4	38	7	0	11	5	15	13	8	4	2	0	0	2	0	22	0	0
Year	6.5	W.	42	SW.	2	40	39	106	50	17	76	273	116	15	152	106	108	139	107	24	8	1	15	20	0	112	28	1

Annual meteorological summary for the year ending December 31, 1920—Continued.

YANKTON, S. DAK.

[ϕ=42° 54′ N.; λ=97° 28′ W.]

Month.	Pressure.			Temperature.								Moisture.														
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	Noon, local time.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.				
January	28.884	29.460	28.280	16.0	22.3	....	29.5	11.1	20.3	55	−6	13	14	....	85	69	....	0.080	0.086	....	0.25	0.21	7.0	7.3	....	7.4
February	28.791	29.315	28.250	21.4	27.0	....	32.0	17.4	24.7	50	−11	18	19	....	83	72	....	.101	.110	....	.90	.52	6.9	7.1	....	6.9
March	28.501	29.200	27.510	27.2	39.3	....	45.8	24.0	34.9	75	−11	22	25	....	82	59	....	.134	.141	....	2.44	.94	4.4	4.4	....	5.1
April	28.528	28.880	27.940	34.1	43.4	....	48.3	31.6	40.0	62	16	29	31	....	80	63	....	.165	.183	....	4.34	.98	6.9	7.1	....	7.3
May	28.685	29.097	28.260	53.6	64.5	....	69.2	50.2	59.7	83	38	48	46	....	81	55	....	.344	.332	....	6.34	2.94	6.5	6.9	....	7.1
June	28.611	28.940	28.200	64.0	75.4	....	79.2	60.5	69.8	92	47	58	58	....	82	56	....	.501	.501	....	3.75	1.81	6.5	6.0	....	6.5
July	28.685	28.940	28.390	67.7	80.8	....	84.7	63.7	74.2	100	54	62	63	....	82	55	....	.560	.578	....	1.34	.54	5.4	4.4	....	4.8
August	28.702	28.930	28.280	61.4	78.0	....	81.7	57.7	69.7	91	48	56	58	....	82	52	....	.450	.490	....	2.35	1.48	3.3	3.4	....	3.4
September	28.630	29.083	28.080	57.0	74.2	....	77.9	53.4	65.6	93	30	51	52	....	82	50	....	.391	.418	....	1.25	.53	2.5	3.8	....	4.0
October	28.652	29.110	28.210	48.2	65.5	....	69.4	45.6	57.5	84	19	42	42	....	78	46	....	.282	.286	....	2.46	1.84	4.1	3.6	....	4.1
November	28.801	29.410	28.300	29.4	37.6	....	42.1	26.2	34.2	64	12	26	28	....	87	70	....	.146	.162	....	.95	.18	7.2	6.6	....	6.9
December	28.609	29.100	28.040	20.3	28.6	....	32.1	16.4	24.2	51	−15	17	20	....	87	71	....	.104	.121	....	1.13	.82	5.6	6.1	....	6.3
Year	28.673	29.460	27.510	41.7	53.0	....	57.7	38.2	47.9	100	−15	37	38	....	83	60	....	.272	.284	....	27.50	2.94	5.5	5.6	....	5.8

YELLOWSTONE PARK, WYO.

[ϕ=44° 58′ N.; λ=110° 42′ W.]

January	23.925	24.180	23.475	19.4	25.9	25.3	31.2	14.2	22.7	45	−11	13	16	17	75	64	71	0.081	0.091	0.099	0.28	0.05	4.5	5.6	5.9	5.9
February	23.895	24.120	23.490	15.1	25.9	24.8	32.0	10.8	21.4	44	−8	12	17	16	85	67	68	.074	.093	.088	1.02	.42	4.0	5.5	5.2	5.0
March	23.660	24.100	23.130	19.3	28.2	27.3	33.7	13.3	23.5	52	−25	15	18	16	82	64	64	.091	.100	.094	1.95	.41	6.7	7.1	7.2	7.1
April	23.685	24.080	23.310	23.9	35.4	34.6	39.2	21.9	30.6	52	−3	20	24	24	82	61	64	.109	.127	.128	1.33	.42	7.8	7.9	7.5	7.7
May	23.833	24.124	23.530	34.9	49.8	49.7	54.5	32.2	43.4	67	24	27	28	28	73	45	47	.148	.151	.155	2.84	1.25	6.1	5.9	6.2	6.1
June	23.894	24.103	23.620	41.0	60.6	60.9	65.3	38.6	52.0	77	24	33	35	35	74	40	40	.193	.206	.208	1.18	.29	4.4	4.7	5.6	5.3
July	24.036	24.180	23.740	49.1	73.7	71.5	77.2	47.1	62.2	86	36	41	44	43	75	36	39	.260	.294	.285	.65	.15	2.2	4.4	5.7	4.3
August	24.001	24.220	23.670	46.3	69.7	67.1	74.4	43.7	59.0	86	29	38	40	39	74	36	38	.236	.255	.246	.87	.41	2.8	3.9	4.5	4.2
September	23.900	24.290	23.447	41.1	58.9	56.2	63.0	37.6	50.3	79	25	33	35	35	74	43	48	.191	.207	.206	1.44	.60	3.5	4.9	5.5	4.9
October	23.859	24.180	23.510	31.7	44.7	40.0	48.0	28.4	38.2	73	10	26	26	28	77	50	62	.138	.140	.152	1.80	.55	5.3	5.2	5.7	5.8
November	23.939	24.250	23.520	22.7	31.4	28.1	34.8	17.7	26.2	49	−8	18	21	20	80	63	70	.100	.113	.110	1.13	.23	6.1	5.5	6.0	6.8
December	23.751	24.300	23.160	19.0	25.9	23.2	29.2	14.2	21.7	48	−8	14	16	15	79	63	69	.081	.088	.085	1.26	.34	5.9	7.3	6.4	7.8
Year	23.865	24.300	23.130	30.3	44.2	42.4	48.5	26.6	37.6	86	−25	24	27	26	78	53	57	.142	.155	.155	15.75	1.25	4.9	5.7	6.0	5.9

YUMA, ARIZ.

[ϕ=32° 45′ N.; λ=114° 36′ W.]

January	29.911	30.150	29.640	47.6	63.0	62.8	66.3	45.1	55.7	78	36	40	40	41	76	46	47	0.248	0.261	0.267	1.47	1.26	1.1	3.0	3.2	3.1
February	29.868	30.090	29.576	51.8	68.8	68.9	71.7	49.3	60.5	78	40	45	45	44	79	45	44	.304	.306	.301	.66	.37	2.1	3.4	3.1	3.4
March	29.780	30.250	29.460	50.2	70.6	72.0	75.0	47.8	61.4	84	41	40	36	38	70	30	32	.255	.223	.236	.37	.15	.7	1.2	1.0	1.1
April	29.685	29.960	29.487	53.9	77.7	80.5	82.6	52.6	67.6	94	46	39	30	33	58	18	19	.240	.173	.187	.00	.00	.4	.4	.7	.6
May	29.609	29.850	29.414	61.8	88.8	91.8	94.3	60.8	77.6	107	50	48	38	40	61	18	18	.340	.233	.258	.00	.00	.2	.7	.6	.4
June	29.596	29.740	29.421	69.9	96.2	98.5	101.3	69.1	85.2	112	63	53	46	47	57	19	18	.416	.325	.333	T.	T.	.3	.3	.5	.2
July	29.657	29.820	29.471	78.7	103.6	105.9	108.2	77.3	92.8	116	68	62	56	58	58	22	22	.584	.471	.504	T.	T.	1.0	.4	1.1	.5
August	29.662	29.840	29.471	76.5	97.0	98.9	101.5	74.9	88.2	112	60	66	62	62	70	32	32	.655	.562	.573	.62	.62	1.1	.9	1.3	.9
September	29.690	29.890	29.482	65.4	91.5	92.7	96.0	63.9	80.0	106	55	56	50	49	74	27	26	.473	.389	.383	1.48	1.48	.6	.7	1.1	.6
October	29.747	30.000	29.450	55.3	78.2	77.6	83.7	53.3	68.5	96	42	44	40	42	69	28	29	.313	.266	.279	.15	.15	.2	.8	.9	1.2
November	29.898	30.100	29.580	48.0	72.0	67.6	75.2	45.8	60.5	82	40	38	34	38	71	26	35	.241	.204	.238	.00	.00	.1	.7	.8	1.0
December	29.904	30.190	29.600	41.5	62.8	59.9	66.1	38.6	52.4	71	32	28	22	30	60	21	32	.155	.119	.169	T.	T.	.3	.7	.7	1.1
Year	29.751	30.250	29.414	58.4	80.8	81.4	85.2	56.5	70.9	116	32	47	42	44	67	28	30	.352	.294	.311	4.75	1.48	.7	1.1	1.2	1.2

DUTCH HARBOR, ALASKA. †

[ϕ=53° 55′ N.; λ=166° 30′ W.]

January	* 30.006	30.746	28.186	† 28.8	....	† 29.8	32.7	25.6	29.2	38	19	....	....	....	....	....	....	....	....	....	2.09	0.57	†	....	†	7.5
February	29.487	30.256	28.836	32.8	....	33.2	38.3	29.1	33.7	48	9	....	....	....	....	....	....	....	....	....	15.14	3.32	8.0	....	6.8	6.9
March	29.832	30.576	28.806	35.6	....	36.9	42.2	31.3	36.8	53	17	....	....	....	....	....	....	....	....	....	5.42	1.96	7.9	....	5.7	7.5
April	29.985	30.338	29.426	32.1	....	34.0	38.5	29.0	33.8	61	20	....	....	....	....	....	....	....	....	....	3.44	1.40	8.1	....	8.5	7.2
May	30.178	30.556	29.686	38.6	....	40.1	45.6	35.1	40.4	54	27	....	....	....	....	....	....	....	....	....	5.98	2.58	5.9	....	5.1	6.5
June	29.797	30.340	29.286	44.4	....	45.8	51.1	41.0	46.0	70	37	....	....	....	....	....	....	....	....	....	8.33	1.92	6.5	....	5.2	6.8
July	29.893	30.234	29.417	49.1	....	51.6	57.1	44.2	50.6	70	38	....	....	....	....	....	....	....	....	....	2.97	.95	7.1	....	6.2	7.5
August	29.665	30.136	29.086	49.7	....	46.7	53.2	43.8	48.5	59	39	....	....	....	....	....	....	....	....	....	3.19	.51	6.2	....	6.7	7.5
September	29.818	30.196	28.886	47.1	....	42.9	50.8	40.0	45.4	63	32	....	....	....	....	....	....	....	....	....	3.88	.38	6.1	....	6.1	7.2
October	29.676	30.506	29.042	42.4	....	39.2	45.2	35.6	40.4	61	28	....	....	....	....	....	....	....	....	....	8.04	1.62	6.5	....	6.4	....
November	29.478	30.421	28.336	37.1	....	35.8	40.1	32.4	36.2	50	24	....	....	....	....	....	....	....	....	....	10.05	2.04	6.8	....	6.2	....
December	29.420	30.006	29.476	27.7	....	26.4	31.0	22.6	26.8	44	16	....	....	....	....	....	....	....	....	....	5.58	1.34	6.6	....	7.3	....
Year	29.853	30.746	28.186	38.8	....	38.5	43.8	34.1	39.0	70	9	....	....	....	....	....	....	....	....	....	74.11	3.32	....	....	....	....

* No diurnal correction applied for Dutch Harbor, Alaska.
† 1 a. m. and 1 p. m., local time.

Annual meteorological summary for the year ending December 31, 1920—Continued.

YANKTON, S. DAK.

[H_b=1,233 ft.; h_t=49 ft.; h_r=42 ft.; h_a=57 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds, 8 a. m. and 8 p. m.* North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow. T. or more.	0.01 inch or more melted.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																									
January	8.6	NW.	31	NW.	0	2	1	5	5	1	2	3	11	1	3	10	18	3	1	11	3	0	0	15	0	31	0	0
February	8.4	NW.	32	NW.	0	3	1	4	3	1	1	3	12	1	7	6	16	9	6	9	6	0	2	14	0	29	0	0
March	11.3	W.	44	S.	2	3	2	3	2	3	4	7	7	0	14	9	8	8	5	6	5	1	1	6	0	22	3	0
April	9.9	NW.	37	NW.	0	3	7	2	2	3	0	2	10	1	2	14	14	15	12	6	4	0	0	2	0	15	4	0
May	8.4	E.	33	S.	0	1	6	7	3	4	3	3	3	1	3	12	16	10	6	0	0	1	0	0	0	0	7	0
June	7.6	W.	35	SW.	0	3	3	5	4	3	2	6	3	1	7	7	16	15	11	0	0	0	0	0	6	0	8	0
July	6.1	SW.	26	NW.	0	5	2	5	1	5	5	3	4	1	11	18	2	11	8	0	0	0	0	0	7	0	9	0
August	6.0	SE.	28	NW.	0	1	3	3	7	1	2	3	3	8	18	7	6	7	7	0	0	0	0	0	4	0	6	0
September	7.0	S.	36	SW.	0	0	1	1	2	6	4	4	4	8	15	11	4	5	4	0	0	1	3	0	3	1	3	0
October	8.0	S.	30	SW.	0	2	3	3	4	6	2	3	6	2	14	12	5	6	4	0	0	1	0	0	0	3	3	0
November	8.3	NW.	35	NW.	0	3	1	2	2	1	3	4	11	3	7	6	17	8	7	6	2	0	0	3	0	23	0	0
December	9.0	NW.	42	NW.	1	3	2	4	3	1	3	4	9	2	9	8	14	4	3	7	4	0	4	11	0	30	0	0
Year	8.2	NW.	44	S.	3	29	32	44	38	35	31	45	83	29	110	120	136	101	74	45	24	4	10	51	20	154	43	0

YELLOWSTONE PARK, WYO.

[H_b=6,200 ft.; h_t=11 ft.; h_r=4 ft.; h_a=48 ft.]

Month.	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.
January	9.2	S.	35	NW.	0	3	0	0	2	26	21	7	2	1	11	8	12	10	3	14	9	0	0	16	0	31	0	0
February	6.7	S.	31	SW.	0	3	1	2	1	18	14	9	10	0	9	13	7	7	7	14	7	0	0	14	0	29	0	0
March	8.6	S.	40	S.	1	3	2	1	2	16	21	7	10	0	5	11	15	17	13	23	17	0	0	10	0	29	0	0
April	8.4	S.	42	SW.	1	11	2	1	2	13	16	4	11	0	2	8	20	21	7	25	16	0	0	5	0	30	1	0
May	8.3	S.	36	SW.	0	4	7	2	0	14	21	4	10	0	6	13	12	11	8	9	5	0	0	0	0	16	2	0
June	7.6	S.	38	SW.	0	2	1	0	2	30	13	3	9	0	8	13	9	12	8	2	0	1	0	0	0	5	11	0
July	6.6	S.	29	SW.	0	5	1	0	0	19	21	7	9	0	10	18	3	13	7	0	0	0	0	0	0	0	14	0
August	6.8	S.	40	NW.	2	4	0	1	2	15	19	7	14	0	11	17	3	9	6	0	0	1	0	0	0	2	14	0
September	8.0	S.	40	SW.	1	1	1	0	0	26	19	5	8	0	9	15	6	11	9	3	1	1	0	0	0	5	3	0
October	8.3	S.	42	SW.	1	6	1	0	4	28	14	2	7	0	8	10	13	16	10	12	9	0	0	2	0	19	0	0
November	7.4	S.	35	SW.	0	5	1	0	6	20	17	5	6	0	3	13	14	15	11	15	12	0	0	9	0	27	1	0
December	7.9	S.	42	SW.	1	4	0	0	5	28	14	7	4	0	2	8	21	17	11	24	17	0	0	20	0	31	0	0
Year	7.8	S.	42	SW.	7	51	17	7	26	253	210	67	100	1	84	147	135	159	100	141	93	3	0	76	0	224	46	0

YUMA, ARIZ.

[H_b=141 ft.; h_t=9 ft.; h_r=2 ft.; h_a=54 ft.]

Month.	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.
January	5.1	N.	25	S.	0	34	8	5	0	4	2	4	5	0	20	6	5	6	4	0	0	0	0	0	0	0	0	0
February	4.8	N.	25	N.	0	20	16	6	4	4	1	5	2	0	16	6	7	5	3	0	0	0	0	0	0	0	0	0
March	5.7	W.	28	W.	0	11	12	3	3	6	7	11	9	0	27	3	1	4	3	0	0	0	0	0	0	0	0	0
April	6.9	W.	36	W.	0	7	1	2	2	9	8	20	11	0	27	3	0	0	0	0	0	0	0	0	5	0	0	0
May	5.2	W.	21	S.	0	3	5	4	4	3	11	23	9	0	30	1	0	0	0	0	0	0	0	0	21	0	0	0
June	5.5	SW.	24	SE.	0	6	4	1	6	7	18	12	6	0	30	0	0	0	0	0	0	0	0	0	30	0	0	0
July	5.1	SW.	22	S.	0	7	4	3	5	13	17	12	1	0	30	1	0	0	0	0	0	0	0	0	31	0	0	0
August	5.5	SW.	36	SE.	0	1	6	0	10	5	21	16	3	0	27	4	0	1	1	0	0	0	0	0	31	0	1	0
September	4.1	SW.	22	W.	0	5	6	3	4	6	20	15	1	0	28	1	1	1	1	0	0	0	0	0	25	0	0	0
October	4.9	W.	29	N.	0	7	7	4	4	11	14	7	8	0	27	2	2	1	1	0	0	0	0	0	9	0	0	0
November	4.2	N.	19	N.	0	22	9	7	2	2	5	4	9	0	27	2	1	0	0	0	0	0	0	0	0	0	0	0
December	5.3	N.	28	W.	0	23	12	5	4	2	2	5	9	0	28	3	0	0	0	0	0	0	0	0	0	0	0	0
Year	5.2	N.	36	W.	0	146	90	43	48	72	126	134	73	0	317	32	17	18	13	0	0	0	0	0	152	0	1	0

DUTCH HARBOR, ALASKA.

[H_b=13 ft.; h_t=4 ft.; h_r=3 ft.; h_a= — ft.]

Month.	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.
January		SE.†				16	0	0	19	0	0	2	13	12				15	11					14	0	27		
February		SE.				0	0	1	42	0	0	0	10	5				23	23					6	0	14		
March		SE.				0	0	0	27	0	3	3	9	20				16	12				1	1	0	17		
April		SE.				0	3	0	14	1	3	2	14	23				18	11					9	0	20		
May		NE.				0	19	0	7	1	2	0	15	18	10	3	18	12	8				5	0	0	8		
June		NE.				0	15	0	12	1	0	0	10	22	10	4	16	16	16				2	0	0	0		
July		SE.				0	0	0	45	1	1	0	0	15				14	10				2	0	0	0		
August		SE.				1	3	0	28	3	6	4	4	13				23	21				3	0	0	0		
September		SE.				1	0	0	29	0	7	3	8	12				28	23					0	0	1		
October		SE.				11	5	0	12	1	6	11	4	12				23	20					0	0	4		
November		SE.				6	3	0	14	1	1	0	10	25	10	3	17	26	20					2	0	16		
December		NW.				10	7	2	3	1	5	0	11	23	8	3	20	27	20					20	0	30		
Year		SE.				45	55	3	252	10	34	25	108	200				241	195					52	0	137		

* At the observation hours at Dutch Harbor; see preceding page.

† By eye observations at Dutch Harbor.

Annual meteorological summary for the year ending December 31, 1920—Continued.

EAGLE, ALASKA.

[ϕ=64° 46′ N.; λ=141° 12′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humidity.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.*	Maximum.	Minimum.	A. M.	Noon, local time.	P. M.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	A. M.	Noon, local time.	P. M.	Daylight.
	In.	In.	In.	°†	°	°†	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.	†		†	
January	29.256	29.905	28.190	-19.6	....	-18.1	-12.1	-26.2	-19.2	36	-64	....	....	....	....	....	....	....	....	....	0.09	0.03	4.2	....	3.2	4.3
February	29.028	29.700	28.370	13.1	....	19.5	23.1	8.4	15.8	39	-26	....	....	....	....	....	....	....	....	....	.54	.23	7.8	....	8.5	8.3
March	28.938	29.710	28.410	- 0.7	....	14.0	18.9	- 8.5	5.2	31	-40	....	....	....	....	....	....	....	....	....	.35	.09	5.4	....	4.8	5.0
April	29.056	29.491	28.522	17.1	....	32.8	37.0	6.5	21.8	49	-29	....	....	....	....	....	....	....	....	....	.07	.02	3.6	....	4.3	4.1
May	29.012	29.342	28.580	40.5	....	50.7	54.4	28.3	41.4	75	8	....	....	....	....	....	....	....	....	....	.66	.23	4.4	....	5.6	5.8
June	28.880	29.246	28.674	56.4	....	66.5	71.7	40.9	56.3	81	30	....	....	....	....	....	....	....	....	....	.92	.59	3.6	....	5.6	5.3
July	29.026	29.272	28.775	60.3	....	71.1	75.0	47.1	61.0	93	32	....	....	....	....	....	....	....	....	....	.46	.12	4.0	....	5.2	5.4
August	28.855	29.205	28.506	51.3	....	61.0	67.2	40.5	53.8	84	27	....	....	....	....	....	....	....	....	....	.76	.19	5.5	....	6.2	6.5
September	28.814	29.180	28.461	35.4	....	45.1	52.6	29.2	40.9	70	15	....	....	....	....	....	....	....	....	....	1.40	.51	4.7	....	5.9	5.3
October	28.816	29.317	28.344	18.8	....	23.1	28.9	15.3	22.1	48	-18	....	....	....	....	....	....	....	....	....	.44	.12	6.7	....	6.7	6.8
November	28.942	29.730	27.989	2.8	....	3.9	8.8	- 3.2	2.8	43	-32	....	....	....	....	....	....	....	....	....	.27	.13	6.0	....	4.4	6.3
December	28.814	29.405	28.392	- 8.0	....	- 7.2	- 2.2	-15.1	- 8.6	21	-50	....	....	....	....	....	....	....	....	....	.34	.11	4.4	....	4.3	5.4
Year	28.953	29.905	27.989	-22.3	....	30.2	35.3	13.6	24.4	93	-64	....	....	....	....	....	....	....	....	....	6.30	.59	5.0	....	5.4	5.7

KODIAK (RADIO) ALASKA.

[ϕ=57° 47′ N.; λ=152° 22′ W.]

Month.	Monthly mean.*	Maximum.	Minimum.	A. M.	Noon, local time.	P. M.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	A. M.	Noon, local time.	P. M.	Daylight.
January	29.890	30.557	28.473	†	....	†						....	....	....	....	....	....	....	....	....	2.54	1.18	†	....	†	3.3
February	29.878	30.627	28.913	25.9	....	27.9	30.7	20.3	25.5	40	11	....	....	....	....	....	....	....	....	....	2.80	.75	5.3	....	7.2	6.4
March	29.731	30.422	29.001	34.0	....	36.8	39.1	30.0	34.7	49	11	....	....	....	....	....	....	....	....	....	.91	.22	4.7	....	4.7	4.7
April	29.879	30.359	29.163	30.8	....	34.2	36.5	27.0	31.8	46	17	....	....	....	....	....	....	....	....	....	1.30	.82	5.7	....	5.1	4.0
May	29.935	30.335	29.383	30.7	....	35.7	37.2	26.2	31.7	55	13	....	....	....	....	....	....	....	....	....	1.72	1.16	3.3	....	3.9	4.2
June	29.795	30.323	29.473	38.8	....	46.5	49.8	35.5	42.6	66	20	....	....	....	....	....	....	....	....	....	5.96	1.40	8.0	....	7.5	6.7
July	30.047	30.283	29.610	44.6	....	48.9	53.5	43.7	48.6	66	40	....	....	....	....	....	....	....	....	....	3.41	1.14	6.6	....	6.5	....
August	29.702	30.189	29.086	48.1	....	54.3	58.5	45.4	52.0	68	40	....	....	....	....	....	....	....	....	....	8.45	1.17	5.5	....	5.7	6.7
September	29.626	30.003	28.983	48.5	....	51.8	54.6	45.9	50.2	63	41	....	....	....	....	....	....	....	....	....	6.05	....	3.8	....	4.7	5.5
October	29.502	29.987	28.802	44.6	....	50.2	52.2	40.9	46.6	60	32	....	....	....	....	....	....	....	....	....	4.73	1.07	....	....	....	6.1
November	29.492	30.525	28.595	38.0	....	42.9	46.1	34.2	40.2	57	20	....	....	....	....	....	....	....	....	....	2.74	.83	....	....	....	7.9
December	29.232	29.821	28.483	36.4	....	38.2	40.1	32.6	36.4	48	18	....	....	....	....	....	....	....	....	....	4.45	....	....	....	....	8.6
Year	29.726	30.627	28.473	30.6	....	31.3	33.7	25.9	29.8	42	11	....	....	....	....	....	....	....	....	....	45.06	....	....	....	....	....
				37.6	....	41.6	44.3	34.0	39.2	68	11	....	....	....	....	....	....	....	....	....						

NOME, ALASKA.

[ϕ=64° 30′ N.; λ=165° 24′ W.]

Month.	Monthly mean.*	Maximum.	Minimum.	A. M.	Noon, local time.	P. M.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	A. M.	Noon, local time.	P. M.	Daylight.
January	30.228	30.845	28.750	†	....	†						....	....	....	....	....	....	....	....	....	0.50	0.10	†	....	†	4.3
February	29.744	30.530	28.930	- 3.9	....	- 4.2	2.8	-13.2	- 5.2	23	-28	....	....	....	....	....	....	....	....	....	4.44	1.64	4.3	....	4.3	4.9
March	29.808	30.374	28.940	6.1	....	6.8	13.3	- 2.0	5.6	35	-31	....	....	....	....	....	....	....	....	....	.40	.18	4.9	....	5.9	5.4
April	30.038	30.336	29.695	- 3.4	....	2.1	8.6	-11.1	- 1.2	32	-33	....	....	....	....	....	....	....	....	....	.90	.46	4.3	....	3.3	3.8
May	30.038	30.580	29.520	- 0.3	....	13.4	15.7	- 3.3	6.2	38	-25	....	....	....	....	....	....	....	....	....	.93	.30	2.7	....	3.3	2.7
June	29.834	30.217	29.504	26.1	....	30.3	34.5	22.5	28.5	45	6	....	....	....	....	....	....	....	....	....	T.	T.	7.7	....	7.0	7.4
July	29.764	30.144	28.910	46.9	....	47.7	55.1	37.1	46.1	74	29	....	....	....	....	....	....	....	....	....	8.43	1.68	9.4	....	2.6	3.6
August	29.636	29.980	29.373	46.6	....	48.2	51.1	48.2	46.8	59	33	....	....	....	....	....	....	....	....	....	2.83	.53	8.2	....	9.0	9.2
September	29.658	30.120	29.050	47.5	....	51.5	54.5	42.6	48.6	68	27	....	....	....	....	....	....	....	....	....	2.28	.71	7.0	....	7.6	7.9
October	29.587	30.370	28.808	35.6	....	42.1	46.2	32.2	39.2	54	20	....	....	....	....	....	....	....	....	....	1.89	.59	7.3	....	7.0	6.8
November	29.707	30.220	29.040	25.6	....	26.6	30.9	21.5	26.2	41	2	....	....	....	....	....	....	....	....	....	1.88	.61	4.2	....	4.5	7.0
December	29.632	30.248	28.830	12.2	....	12.4	17.5	6.9	12.2	36	-13	....	....	....	....	....	....	....	....	....	.32	.22	3.5	....	2.7	4.6
Year	29.806	30.845	28.750	3.0	....	1.6	8.3	- 5.6	1.4	37	-30	....	....	....	....	....	....	....	....	....	24.80	1.68	5.7	....	5.3	3.3
				20.2	....	23.2	28.2	14.6	21.2	74	-33	....	....	....	....	....	....	....	....	....						5.5

SITKA, ALASKA.

[ϕ=57° 04′ N.; λ=135° 20′ W.]

Month.	Monthly mean.*	Maximum.	Minimum.	A. M.	Noon, local time.	P. M.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	A. M.	Noon, local time.	P. M.	Daylight.
January	29.878	30.520	29.140	†	....	†						....	....	....	....	....	....	....	....	....	12.79	3.22	†	....	†	6.2
February	30.111	30.630	29.830	28.7	....	28.9	35.4	23.7	29.6	48	6	....	....	....	....	....	....	....	....	....	8.79	1.84	6.8	....	6.6	6.7
March	29.641	30.244	29.050	35.2	....	36.7	44.7	31.7	38.2	53	19	....	....	....	....	....	....	....	....	....	5.27	1.64	6.9	....	6.6	5.8
April	29.850	30.289	29.390	33.4	....	33.6	41.8	28.6	35.2	51	18	....	....	....	....	....	....	....	....	....	4.16	1.00	6.1	....	6.1	6.4
May	29.860	30.259	29.430	37.3	....	36.8	45.0	29.9	37.4	61	12	....	....	....	....	....	....	....	....	....	4.09	1.42	5.6	....	7.4	6.4
June	29.834	30.222	29.490	45.2	....	43.6	49.7	36.0	42.8	60	29	....	....	....	....	....	....	....	....	....	2.75	.46	8.5	....	5.6	5.6
July	30.048	30.339	29.811	51.7	....	50.2	56.1	44.2	50.2	67	40	....	....	....	....	....	....	....	....	....	.82	.57	6.9	....	8.0	8.0
August	29.898	30.171	29.315	54.9	....	54.2	62.5	47.7	55.1	77	42	....	....	....	....	....	....	....	....	....	10.53	4.10	8.1	....	8.4	8.1
September	29.623	30.030	29.144	54.0	....	53.8	60.9	49.0	55.0	71	40	....	....	....	....	....	....	....	....	....	12.03	3.83	7.5	....	7.6	7.1
October	29.640	30.310	28.858	49.6	....	48.3	58.0	42.5	50.2	68	30	....	....	....	....	....	....	....	....	....	11.42	2.53	7.5	....	7.3	7.2
November	29.648	30.372	28.800	42.0	....	40.8	50.8	35.6	43.2	59	24	....	....	....	....	....	....	....	....	....	6.42	1.78	6.7	....	6.5	6.9
December	29.336	29.880	28.666	38.1	....	38.9	46.1	33.7	39.9	54	25	....	....	....	....	....	....	....	....	....	7.19	2.52	7.3	....	6.9	6.9
Year	29.781	30.630	28.666	35.3	....	36.2	41.7	31.4	36.6	54	20	....	....	....	....	....	....	....	....	....	86.26	4.10	7.0	....	6.8	6.7
				42.1	....	41.8	49.4	36.2	42.8	77	6	....	....	....	....	....	....	....	....	....						

*No diurnal correction applied at stations on this page.

†8 a. m. and 6 p. m., normal time at Eagle; 2 a. m. and 2 p. m., normal time, at Kodiak; 6 a. m. and 6 p. m., at Nome; 8 a. m. and 8 p. m., 135th meridian time, at Sitka.

Annual meteorological summary for the year ending December 31, 1920—Continued.

EAGLE, ALASKA.

[H_b=834 ft.; h_t=5 ft.; h_r=3 ft.; h_a=— 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 at observation hours. 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	.....	E.	....	.....	....	3	14	15	4	0	0	5	6	15	14	7	10	4	0	6	4	0	0	30	0	31	....	18
February	.....	E.	....	.....	....	3	1	31	7	2	0	1	2	11	2	5	22	8	6	11	8	0	0	23	0	29	....	5
March	.....	E.	....	.....	....	6	2	18	1	2	0	2	12	19	12	7	12	7	4	13	7	0	0	31	0	31	....	11
April	.....	NE.	....	.....	....	5	10	10	3	0	2	0	9	21	16	5	9	5	0	10	5	0	0	7	0	30	....	9
May	.....	NW.	....	.....	....	3	10	10	3	3	1	1	20	11	8	9	14	7	6	3	3	1	1	1	0	23	1	0
June	.....	NE.	....	.....	....	0	17	16	5	1	3	1	12	5	8	14	8	5	3	0	0	0	0	0	0	3	0	0
July	.....	E.	....	.....	....	0	6	25	2	4	5	1	15	4	10	7	14	8	4	0	0	0	0	0	2	1	1	0
August	.....	E.	....	.....	....	0	3	26	6	1	4	0	10	12	9	4	18	12	6	0	0	0	0	0	0	5	....	2
September	.....	NW.	....	.....	....	2	4	7	1	0	0	0	27	19	13	5	12	7	6	3	2	0	0	0	0	22	0	10
October	.....	NW.	....	.....	....	4	6	14	7	0	0	1	19	11	6	6	19	9	6	11	9	0	0	19	0	29	....	11
November	.....	E.	....	.....	....	0	4	23	2	0	0	0	11	20	8	6	16	3	2	11	3	0	0	25	0	29	....	6
December	.....	E.	....	.....	....	0	15	16	0	0	0	0	16	15	13	3	15	8	4	10	8	0	0	31	0	31	....	13
Year	.....	E.	....	.....	....	26	92	211	41	13	15	12	159	163	119	78	169	83	47	78	49	1	1	167	2	264	....	85

KODIAK (RADIO), ALASKA.

[H_b=15 ft.; h_t=6 ft.; h_r=3 ft.; h_a=— ft.]

Month.	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.
January	.....	† NW.	....	.....	....	0	4	0	5	2	5	4	28	14	13	8	10	6	6	....	....	....	....	19	0	31	....	....
February	.....	SE.	....	.....	....	4	3	13	14	1	3	3	2	15	4	6	19	11	9	4	2	....	2	3	0	14	....	....
March	.....	W.	....	.....	....	3	9	3	3	0	9	9	8	18	9	10	12	8	7	12	....	....	....	4	0	27	....	....
April	.....	W.	....	.....	....	1	5	2	4	2	3	16	11	16	13	3	14	5	4	3	2	....	....	11	0	....	....	....
May	.....	NW.	....	.....	....	4	9	9	0	1	4	7	11	17	15	5	11	5	5	2	2	....	....	0	0	7	....	....
June	.....	NE.	....	.....	....	9	11	10	0	0	1	3	8	18	2	3	25	18	13	0	0	....	....	0	0	....	....	....
July	.....	E.	....	.....	....	1	4	21	7	2	2	1	2	22	7	9	15	13	11	0	0	....	1	0	0	0	....	....
August	.....	E.	....	.....	....	4	5	20	14	0	0	2	2	15	6	5	20	18	16	0	0	....	3	0	0	0	....	....
September	.....	NE.	....	.....	....	5	13	4	7	3	1	0	1	26	9	8	13	....	....	....	....	....	....	0	0	1	....	....
October	.....	W.	....	.....	....	2	4	3	5	7	4	12	2	23	7	8	16	10	10	....	....	....	....	0	0	12	....	....
November	.....	W.	....	.....	....	2	9	5	8	1	0	11	7	17	3	9	18	....	....	....	....	....	1	2	0	14	....	....
December	.....	W.	....	.....	....	5	8	6	1	0	3	15	10	14	6	8	17	....	....	....	....	....	....	9	0	22	....	....
Year	.....	E.	....	.....	....	40	84	96	68	19	35	83	92	215	94	82	190	....	....	....	....	....	....	48	0	....	....	....

NOME, ALASKA.

[H_b=22 ft.; h_t=5 ft.; h_r=6 ft.; h_a=49 ft.]

Month.	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.
January	3.5	† NE.	27	.....	0	6	15	2	1	1	1	3	1	32	15	6	10	8	7	13	8	....	....	31	0	31	....	1
February	8.2	N.	....	.....	....	11	11	2	8	3	0	5	7	11	12	3	14	8	8	13	8	....	....	22	0	29	....	....
March	6.3	NE.	25	.....	0	7	20	3	2	0	2	9	2	17	18	4	9	6	5	9	6	....	....	31	0	31	....	3
April	4.3	NE.	19	.....	0	6	12	10	3	1	0	4	2	22	21	1	8	5	3	8	5	....	1	22	0	28	....	....
May	5.8	S.	29	.....	0	4	5	6	6	11	9	5	10	6	5	5	21	7	6	14	5	....	....	11	0	29	....	....
June	4.9	W.	18	.....	0	10	5	1	4	3	4	18	2	13	13	14	3	0	0	0	0	....	4	0	0	5	0	....
July	9.6	S.	37	.....	0	0	3	7	19	19	10	2	2	0	1	2	28	24	22	0	0	....	1	0	0	0	0	....
August	9.0	E.	36	.....	0	8	9	16	10	6	3	1	5	4	4	5	22	18	14	0	0	0	....	0	0	3	0	1
September	8.2	N.	36	.....	0	14	13	8	7	2	0	2	7	7	4	12	14	14	10	2	1	....	....	0	0	15	0	3
October	9.8	N.	32	.....	0	28	4	13	3	2	1	1	7	3	6	5	20	11	9	11	10	....	2	17	0	30	....	1
November	10.8	N.	51	.....	3	23	11	3	7	3	3	1	8	1	14	6	10	9	7	10	9	....	....	26	0	30	....	....
December	9.8	N.	59	.....	4	18	13	7	2	0	0	7	7	8	17	8	6	2	2	8	2	....	....	29	0	31	0	1
Year	7.5	N.	....	.....	....	135	121	78	72	51	33	58	60	124	130	71	165	112	93	88	54	....	....	189	0	262	....	....

SITKA, ALASKA.

[H_b=90 ft.; h_t=3 ft.; h_r=2 ft.; h_a=— ft.]

Month.	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.
January	.....	† NE.	....	.....	....	3	17	11	3	4	4	5	5	10	8	10	13	20	20	12	9	....	....	12	0	25	....	....
February	.....	E.	....	.....	....	3	0	14	8	2	1	6	2	22	7	6	16	16	16	5	....	....	....	0	0	17	....	....
March	.....	E.	....	.....	....	1	5	19	1	3	1	5	2	25	10	7	14	18	15	11	4	....	....	0	0	26	....	....
April	.....	E.	....	.....	....	0	4	13	4	2	1	5	7	24	9	7	14	16	12	9	....	....	1	0	0	24	0	....
May	.....	NE.	....	.....	....	3	10	8	3	5	5	3	5	20	11	5	15	13	12	3	....	....	1	0	0	6	0	....
June	.....	W.	....	.....	....	6	1	2	3	3	6	7	5	27	4	5	21	20	20	0	0	....	1	0	0	0	0	....
July	.....	NW.	....	.....	....	1	0	5	0	1	2	8	23	22	14	3	14	6	5	0	0	....	....	0	0	0	0	....
August	.....	S.	....	.....	....	1	2	3	8	9	0	5	4	30	4	5	22	24	22	0	0	....	....	0	0	0	0	....
September	.....	E.	....	.....	....	0	3	13	5	1	2	0	0	36	5	11	14	18	13	0	0	....	....	0	0	1	1	....
October	.....	E.	....	.....	....	1	1	21	5	4	0	0	1	29	7	3	21	22	22	1	1	....	....	0	0	7	0	....
November	.....	E.	....	.....	....	2	3	13	8	5	1	2	1	25	7	4	19	19	17	2	2	....	1	0	0	14	0	....
December	.....	E.	....	.....	....	0	10	14	13	0	1	1	1	22	4	9	18	16	15	17	....	....	....	0	0	18	0	....
Year	.....	E.	....	.....	....	21	56	136	61	39	24	47	56	232	90	75	201	208	189	60	....	....	....	12	0	138	....	....

† By eye observations at this station.

Annual meteorological summary for the year ending December 31, 1920—Continued.

TANANA, ALASKA.

[ϕ=65° 10′ N.; λ=152° 06′ W.]

Month.	Pressure.			Temperature.								Moisture.													
		Extremes.		Mean.						Extremes.		Dew point.			Relative humiidty.			Vapor pressure.			Precipitation.		Cloudiness.			
	Monthly mean.*	Maximum.	Minimum.	7 a. m.	Noon, local time.	7 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	8 a. m.	Noon, local time.	8 p. m.	Total.	Maximum in 24 hours.	7 a. m.	Noon, local time.	7 p. m.	Daylight.
	In.	In.	In.	°†	°	°†	°	°	°	°	°	°	°	°	%	%	%	In.	In.	In.	In.	In.	†		†	
January	29.954	30.580	28.626	-22.4	....	-17.6	-10.5	-27.0	-18.8	24	-56	....	....	....	....	....	....	....	....	....	0.11	0.08	3.6	....	4.8	4.9
February	29.646	30.440	29.010	7.5	....	9.3	14.6	- 0.1	7.2	40	-55	....	....	....	....	....	....	....	....	....	3.39	.94	9.2	....	8.1	8.8
March	29.658	30.300	29.060	- 8.5	....	2.3	10.4	-14.1	- 1.8	31	-49	....	....	....	....	....	....	....	....	....	.95	.50	5.5	....	4.4	4.9
April	29.780	30.200	29.241	9.9	....	25.6	31.3	2.6	17.0	50	-40	....	....	....	....	....	....	....	....	....	.02	.02	3.5	....	4.6	3.8
May	29.769	30.198	29.225	36.6	....	45.2	50.5	27.0	38.8	74	6	....	....	....	....	....	....	....	....	....	.36	.16	5.0	....	5.7	5.2
June	29.570	30.015	29.270	56.6	....	64.5	69.9	42.6	56.2	78	35	....	....	....	....	....	....	....	....	....	.52	.24	5.4	....	5.9	5.7
July	29.694	29.954	29.280	55.4	....	60.9	65.3	45.9	55.6	80	37	....	....	....	....	....	....	....	....	....	1.92	.42	8.6	....	8.6	8.4
August	29.466	29.883	29.030	49.9	....	58.8	64.4	40.7	52.6	81	24	....	....	....	....	....	....	....	....	....	1.73	.38	8.2	....	7.8	....
September	29.474	29.852	29.044	36.8	....	43.9	51.3	30.8	41.0	67	16	....	....	....	....	....	....	....	....	....	.67	.14	7.3	....	6.5	....
October	29.473	30.127	29.030	15.3	....	20.5	25.8	10.6	18.2	37	-24	....	....	....	....	....	....	....	....	....	.48	.22	6.6	....	6.5	....
November	29.596	30.386	28.620	4.6	....	4.9	9.5	- 2.7	3.4	28	-25	....	....	....	....	....	....	....	....	....	.39	.10	5.5	....	5.4	....
December	29.434	30.060	28.864	- 4.7	....	- 4.2	.2	-11.9	- 5.8	22	-33	....	....	....	....	....	....	....	....	....	.28	.06	6.5	....	7.0	6.9
Year	29.626	30.580	28.620	19.8	....	26.2	31.9	12.0	22.0	81	-56	....	....	....	....	....	....	....	....	....	10.82	.94	6.2	....	6.3	....

VALDEZ, ALASKA.

[ϕ=61° 07′ N.; λ=146° 16′ W.]

				†		†																	†		†	
January	29.992	30.623	28.910	15.5	....	15.1	21.8	7.7	14.8	38	-12	....	....	....	....	....	....	....	....	....	3.29	0.63	4.6	....	3.7	4.4
February	30.077	30.840	29.110	25.3	....	26.9	32.7	21.6	27.2	38	4	....	....	....	....	....	....	....	....	....	11.82	1.77	8.3	....	8.0	8.4
March	29.760	30.460	29.280	17.9	....	20.9	28.0	10.3	19.2	37	- 6	....	....	....	....	....	....	....	....	....	1.82	.92	5.7	....	5.8	5.8
April	29.922	30.410	29.167	29.5	....	30.2	40.1	20.9	30.5	56	6	....	....	....	....	....	....	....	....	....	.50	.17	5.8	....	6.6	5.9
May	29.944	30.380	29.480	44.0	....	44.7	53.0	32.0	42.5	66	23	....	....	....	....	....	....	....	....	....	.36	.13	4.6	....	4.5	4.4
June	29.892	30.340	29.524	49.6	....	52.6	57.3	41.7	49.5	69	33	....	....	....	....	....	....	....	....	....	2.43	.91	6.5	....	7.3	7.2
July	30.128	30.440	29.870	52.1	....	54.7	58.8	46.0	52.4	70	39	....	....	....	....	....	....	....	....	....	3.65	.88	7.7	....	7.4	7.3
August	29.868	30.240	29.350	47.2	....	49.5	54.0	42.9	48.4	61	36	....	....	....	....	....	....	....	....	....	7.58	1.23	9.4	....	8.5	8.8
September	29.680	30.110	29.310	41.7	....	44.9	53.2	36.5	44.8	62	30	....	....	....	....	....	....	....	....	....	3.02	1.36	7.0	....	6.7	6.6
October	29.629	30.270	29.000	32.2	....	34.0	39.2	29.3	34.2	53	16	....	....	....	....	....	....	....	....	....	7.68	1.75	7.5	....	7.0	7.2
November	29.668	30.570	28.730	26.4	....	26.3	31.9	20.9	26.4	44	3	....	....	....	....	....	....	....	....	....	4.50	2.19	6.8	....	6.1	6.7
December	29.414	30.002	28.636	18.8	....	19.2	24.7	11.0	17.8	37	- 3	....	....	....	....	....	....	....	....	....	3.70	1.10	6.9	....	6.6	7.0
Year	29.831	30.840	28.636	33.4	....	34.9	41.2	26.7	34.0	70	-12	....	....	....	....	....	....	....	....	....	50.35	2.19	6.7	....	6.5	6.6

*No diurnal correction applied at stations on this page.
† 7 a. m. and 7 p. m., normal time, at Tanana and Valdez.

Annual meteorological summary for the year ending December 31, 1920—Continued.

TANANA, ALASKA.

[H_b=220 ft.; h_t=4 ft.; h_v=2 ft.; h_a=— ft.]

Month.	Wind. By eye observations. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Days with 40 miles and over.	Number of winds at observation hours. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.01 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	.....	SW.	....	.....	....	0	10	6	0	1	10	9	1	2	13	8	10	3	2	4	3	0	0	31	0	31	....	2
February	.....	NE.	....	.....	....	0	19	11	7	0	5	4	0	12	1	5	23	20	16	18	16	.....	....	22	0	29	....	1
March	.....	NE.	....	.....	....	4	16	10	4	2	4	4	5	13	14	6	11	10	5	12	10	.....	....	31	0	31	....	3
April	.....	NE.	....	.....	....	1	21	3	1	0	4	7	4	19	14	8	8	1	0	1	1	.....	....	14	0	29	....	3
May	.....	W.	....	.....	....	12	8	5	10	1	4	13	7	2	13	6	12	4	3	5	3	.....	....	2	0	23	....	....
June	.....	SE.	....	.....	....	4	8	7	16	0	7	14	3	1	11	8	11	7	5	0	0	.....	....	0	0	0	....	....
July	.....	SW.	....	.....	....	1	2	9	16	3	17	12	2	0	2	4	24	14	10	0	0	.....	....	0	0	0	....	....
August	.....	E.	....	.....	....	1	8	22	14	5	5	3	4	0	.....	.....	.....	12	10	0	0	.....	....	0	0	5	....	....
September	.....	E.	....	.....	....	3	5	14	14	0	3	5	15	1	.....	.....	.....	9	5	2	2	.....	....	0	0	17	....	1
October	.....	NE.	....	.....	....	6	17	16	8	0	2	4	8	1	7	10	14	10	4	12	9	.....	....	26	0	31	....	2
November	.....	NE.	....	.....	....	1	22	11	6	1	3	8	7	1	11	6	13	6	5	10	6	.....	....	30	0	30	....	9
December	.....	NE.	....	.....	....	2	31	6	7	0	4	5	7	0	4	9	18	8	4	9	8	.....	....	31	0	31	....	2
Year	.....	NE.	....	.....	....	35	167	120	103	13	68	88	63	75	.....	.....	.....	104	69	73	58	.....	....	187	0	257	....	....

VALDEZ, ALASKA.

[H_b=10 ft.; h_t=4 ft.; h_v=6 ft.; h_a=— ft.]

Month.	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.	0.01 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.
January	.....	NE.	....	.....	....	21	26	0	0	0	5	0	0	10	17	4	10	10	10	10	10	.....	....	25	0	0	....	....
February	.....	NE.	....	.....	....	9	24	0	0	6	9	0	0	10	4	3	22	23	22	20	19	.....	....	11	0	29	....	....
March	.....	NE.	....	.....	....	20	35	0	0	0	6	0	0	1	13	1	17	10	9	13	9	.....	....	24	0	31	....	....
April	.....	NE.	....	.....	....	16	34	0	0	0	5	0	0	5	10	7	13	7	4	5	4	.....	....	5	0	28	....	....
May	.....	SW.	....	.....	....	17	12	0	0	0	29	0	0	4	17	4	10	5	4	0	0	.....	....	0	0	14	....	....
June	.....	SW.	....	.....	....	2	0	0	0	1	52	0	0	5	6	6	18	14	9	0	0	.....	....	0	0	0	....	....
July	.....	SW.	....	.....	....	1	5	0	0	0	39	0	0	17	8	1	22	13	10	0	0	.....	....	0	0	0	....	....
August	.....	SW.	....	.....	....	5	5	0	0	0	28	0	0	24	1	4	26	27	25	0	0	.....	....	0	0	0	....	....
September	.....	NE.	....	.....	....	13	20	0	0	0	5	0	0	22	10	3	17	12	10	0	0	.....	....	0	0	6	....	....
October	.....	NE.	....	.....	....	23	27	0	0	0	1	0	0	11	8	3	20	19	18	8	7	.....	....	4	0	26	....	....
November	.....	NE.	....	.....	....	36	15	0	0	1	2	0	0	6	6	4	20	14	11	7	6	.....	....	17	0	27	....	....
December	.....	N.	....	.....	....	25	24	0	0	1	0	0	0	12	7	7	17	14	11	16	12	.....	....	26	0	31	....	....
Year	.....	NE.	....	.....	....	188	227	0	0	9	181	0	0	127	107	47	222	168	143	79	67	.....	....	112	0	192	....	....

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PART IV.

MONTHLY AND ANNUAL PRECIPITATION, 1920 (ALL STATIONS)—MONTHLY AND SEASONAL SNOWFALL, SEASON 1920–21 (SELECTED STATIONS)—MONTHLY AND ANNUAL EVAPORATION, 1920.

The precipitation values given in the following tables have been taken largely from the records of unpaid cooperating observers. Most of these observers have standard rain gages, the remainder having gages similar in pattern to the standard.

Occasionally the record for a station may be incomplete from various causes, either for a single storm or for a longer period. Where conditions were favorable, the missing data have been supplied by interpolation from the records of near-by stations. The monthly amounts in such cases are inclosed in brackets to show that some portion has been estimated.

The discrepancies between the amounts recorded by separate observers when two reports are received 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 the other may defer it to 9 p. m., thus sometimes 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 1920–21 are given for selected stations in the United States and Canada.

The monthly and annual amounts of evaporation during the year 1920 follow the snowfall, this being the second year that this series of reports has included them. The number of these reports at the present time is small, records appearing from only about half the States.

The evaporation measurements are all made from cylindrical pans, 4 feet in diameter, 10 inches deep, placed on framework laid on the ground, and exposed as far as possible to full sunshine. A description of equipment and methods of observation appears in the Monthly Weather Review of December, 1916, pages 674 to 677.

Monthly and annual precipitation (in inches and hundredths) for 1920.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alabama.													
Alaga	3.93	2.93	2.70	11.25	4.55	5.83	3.05	6.90	7.05	1.65	3.60	8.30	61.74
Anniston	7.99	3.28	7.13	8.77	6.61	5.52	4.65	5.93	5.41	0.73	4.30	8.75	69.07
Ashville	.....	.....	.....	.....	.....	.....	4.04	.....	.....	.....	.....	.....	.....
Auburn	5.78	4.40	7.50	10.35	4.11	3.18	3.49	4.14	3.13	1.22	4.15	5.75	57.20
Bay Minette	8.05	6.50	2.40	5.65	4.00	4.88	9.72	6.62	5.85	3.05	.....	.....	.....
Benton	5.74	4.83	7.63	7.77	4.84	4.31	6.40	6.27	1.38	0.74	0.70	5.46	56.07
Birmingham	5.37	3.06	10.34	10.71	7.94	3.63	4.63	9.09	4.12	0.54	2.45	9.57	71.45
Bridgeport	4.89	4.71	6.41	9.96	6.61	8.65	9.32	9.80	1.87	0.38	2.61	6.72	71.93
Calera	10.15	5.45	12.31	9.27	3.85	6.10	4.44	7.79	2.55	0.62	2.10	10.31	74.94
Camp Hill	4.60	5.15	.....	.....	3.75	4.25	4.13	5.15	0.02	1.25	3.34	.....	.....
Centerville	7.37	4.19	11.45	11.59	5.12	3.88	4.24	6.14	1.12	1.07	2.71	11.95	70.83
Citronelle	8.12	6.21	6.76	8.16	4.11	6.01	10.55	9.19	7.09	3.64	2.38	8.38	80.60
Clanton	8.73	5.15	8.26	7.66	3.66	4.22	3.58	4.55	1.23	0.88	2.68	10.32	60.92
Cochrane	4.78	2.85	7.08	11.15	2.67	3.57	5.03	2.96	3.65	0.05	2.45	7.29	53.53
Dadeville	8.32	6.00	13.78	8.09	4.83	3.75	3.75	9.44	0.09	1.70	4.80	9.25	73.80
Decatur	4.60	2.61	7.46	9.24	4.28	3.76	3.61	5.14	2.38	0.17	2.77	5.48	51.50
Demopolis	7.52	4.33	5.51	6.42	4.06	3.10	3.08	7.04	2.40	0.55	1.55	11.45	57.01
Eufaula	4.46	4.93	6.77	8.96	5.20	2.88	1.98	6.98	1.09	1.32	2.79	5.21	52.57
Evergreen	3.77	2.62	4.54	8.16	5.65	3.86	10.23	5.59	2.81	0.60	3.25	8.00	59.08
Florence	6.39	3.18	8.50	12.34	5.70	6.10	3.32	9.93	2.97	0.82	3.60	5.54	68.39
Fort Deposit	.....	4.65	9.31	8.66	6.18	2.76	5.87	6.56	3.43	0.88	3.35	8.26	.....
Gadsden	6.07	3.80	9.45	10.74	6.41	4.39	7.26	7.07	0.50	0.96	3.67	7.13	67.45
Goodwater	9.50	5.15	9.12	6.76	5.17	3.85	4.22	5.32	0.86	1.46	3.68	9.72	64.81
Greensboro	7.57	3.68	7.96	7.51	3.51	3.17	8.88	6.75	4.84	0.74	2.42	10.44	67.47
Greenville	5.22	3.90	6.06	9.35	4.47	2.86	4.81	5.31	2.23	0.89	2.41	7.27	54.78
Guin	.....	1.34	7.50	12.15	11.57	7.17	10.32	5.22	3.18	0.62	4.26	7.64	.....
Guntersville	4.94	4.93	7.46	12.74	3.42	3.95	7.83	8.29	1.49	0.20	1.29	6.81	63.35
Healing Springs	8.03	4.48	4.66	8.23	2.05	0.55	5.93	3.93	4.03	1.53	1.60	11.20	56.22
Helena	6.42	4.32	10.14	10.41	6.18	2.93	4.94	4.58	2.97	0.66	2.67	10.09	66.31
Highland Home	5.83	3.91	8.10	7.91	2.95	2.99	3.26	3.68	1.18	1.20	4.11	5.38	50.50
Leeds	5.71	.....	9.59	11.18	8.11	.....	.....	.....	.....	.....	.....	.....	.....
Lock No. 4	8.74	3.50	8.77	7.89	6.28	4.98	4.50	4.87	2.71	1.20	4.11	10.60	68.15
Madison	5.25	3.36	8.60	9.95	6.70	4.28	4.34	5.53	1.75	0.16	2.61	5.67	58.20
Maple Grove	5.60	3.87	8.82	10.40	3.95	4.24	7.72	5.91	1.97	0.49	4.04	10.36	67.37
Marion	9.96	4.20	7.59	5.07	5.36	2.78	4.39	7.05	0.80	0.73	2.06	12.22	62.21
Mentone	4.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.95	.....
Milstead	7.89	5.76	7.44	10.36	5.33	2.79	3.85	9.35	1.54	1.29	5.32	6.78	67.70
Mobile	11.70	4.93	2.21	5.89	3.70	6.64	7.04	7.78	7.81	4.65	1.68	6.18	70.21
Montgomery	8.66	5.31	7.88	9.31	4.14	4.11	3.35	6.91	4.20	1.17	4.09	7.72	66.85
Oneonta	5.52	4.41	8.69	12.61	7.05	4.88	9.00	10.56	1.64	0.43	2.82	7.96	75.57
Ozark	4.19	2.90	4.78	9.64	3.33	3.86	2.55	6.06	3.78	1.48	3.61	6.54	52.72
Prattville	8.53	4.81	8.23	6.45	4.11	4.40	3.75	8.74	1.67	0.75	3.37	5.89	60.70
Pushmataha	8.05	4.22	4.99	6.44	4.50	5.10	5.35	6.27	1.86	1.30	1.87	11.17	61.12
Riverton	5.83	2.44	6.16	11.75	6.49	5.33	2.39	8.34	3.55	0.49	3.89	6.09	62.66
Robertsdale	6.82	2.99	2.74	6.22	5.65	6.85	7.82	7.23	14.93	1.52	3.62	5.34	71.73
Scottsboro	.....	4.48	6.30	9.87	5.86	2.95	4.06	6.62	4.14	0.45	2.30	7.35	.....
Selma	8.23	3.74	6.71	7.72	4.75	3.18	3.33	5.29	1.61	1.44	2.71	7.47	56.18
Silverhill	6.05	3.47	2.20	7.19	3.57	7.75	9.02	8.54	13.88	1.58	3.67	4.99	71.91
Spring Hill	11.32	5.26	2.96	5.37	2.86	6.10	7.00	8.07	10.34	3.10	1.54	5.86	69.78
St. Bernard	4.94	2.17	9.75	13.38	5.79	8.96	7.08	6.50	0.77	0.39	2.17	8.05	69.95
Talladega	9.15	4.28	13.45	10.82	8.49	6.57	6.80	6.17	3.94	0.82	3.45	10.35	84.29
Tallassee	6.94	5.47	6.05	10.11	4.86	.....	.....	5.25	2.20	1.22	4.15	6.84	.....
Thomasville	9.79	3.63	2.91	5.47	3.89	4.39	2.63	6.14	2.27	0.32	2.56	10.29	54.20
Troy	5.19	3.51	5.35	9.88	2.88	4.35	3.24	7.87	5.78	2.65	4.27	6.29	61.26
Tuscaloosa	5.59	3.48	9.51	12.90	4.52	3.39	3.98	7.25	4.99	0.34	2.85	9.42	68.22
Tuscumbia	6.79	2.75	7.37	13.19	5.52	7.05	2.99	5.86	2.93	0.89	3.06	3.57	61.97
Tuskegee	3.27	4.98	7.86	10.86	4.66	2.73	3.44	11.33	0.19	1.33	4.45	4.31	59.41
Union Springs	5.98	3.62	6.95	12.36	3.81	6.01	4.51	4.76	2.44	0.91	4.16	5.58	61.09
Uniontown	7.88	3.80	6.73	4.46	2.60	2.69	3.49	5.98	1.62	2.07	2.29	7.41	51.02
Valley Head	.....	.....	.....	.....	.....	3.20	9.36	10.53	1.60	0.65	1.56	7.42	.....
Wetumpka	8.28	4.44	7.30	8.47	2.90	5.03	3.03	9.17	3.97	0.89	3.99	7.93	65.40
Alaska.													
Akiak	.....	.....	.....	0.66	0.41	2.45	3.60	3.36	2.20	3.03	0.29	0.74	.....
Akulurak	.....	.....	1.43	0.55	0.47	T.	.....	.....	1.86	1.20	0.50	0.15	.....
Allakaket	0.48	4.65	1.09	.....	.....	.....	.....	.....	0.07	0.98	.....	0.59	.....
Anchorage	1.55	2.01	0.25	0.28	0.05	0.55	1.99	3.43	1.10	0.53	0.89	0.43	13.06
Aniak	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.40	0.87	.....
Annex Creek	11.63	8.38	6.20	5.12	4.29	4.95	0.74	15.65	8.90	12.41	7.22	7.27	92.76
Attu	4.61	1.62	2.71	2.63	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barrow	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.77	0.34	0.40	.....
Calder	13.14	5.86	5.72	9.69	3.79	3.38	1.05	13.34	10.30	10.77	9.20	9.88	96.12
Candle	.....	.....	.....	.....	.....	0.15	1.03	1.13	.....	.....	.....	.....	.....
Chickaloon	0.68	2.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chitina	1.48	0.60	0.29	0.15	0.12	1.10	0.82	1.15	1.05	1.00	1.66	0.60	10.02
Crooked Creek (claim 2)	.....	.....	.....	.....	.....	0.91	1.32	1.18	.....	.....	.....	.....	.....
Cordova	11.28	18.64	4.22	1.61	1.07	4.07	7.46	24.35	9.93	24.67	16.30	9.88	133.48
Council	.....	.....	.....	.....	.....	.....	.....	2.25	2.55	.....	.....	.....	.....
Dillingham	0.53	3.91	1.19	1.14	0.10	3.89	3.23	2.75	2.94	2.63	0.34	0.67	23.32
Dutch Harbor (A)	.....	.....	.....	.....	.....	8.33	2.97	3.19	3.88	8.04	10.05	5.58	.....
Dutch Harbor (B)	2.09	15.14	5.42	3.44	5.98	5.71	1.41	2.55	3.73	.....	.....	.....	.....
Eagle	0.09	0.54	0.35	0.07	0.66	0.92	0.46	0.76	1.40	0.44	0.27	0.34	6.30
Fairbanks	0.28	0.91	0.80	0.12	0.24	1.13	0.93	1.63	1.05	0.32	0.11	0.69	8.12
Fortmann Hatchery	10.48	8.18	9.12	8.68	9.95	5.61	0.21	13.69	8.70	13.55	12.53	11.82	112.52
Fort Yukon	0.10	1.33	0.53	0.13	T.	0.22	0.47	0.41	0.16	0.28	0.22	0.28	4.13
Herendeen Bay	1.20	5.26	1.85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Holy Cross	0.77	.....	1.39	0.16	0.03	1.29	3.79	2.12	2.70	3.19	1.58	.....	.....
Hot Springs	0.80	4.00	0.65	0.13	.....	.....	.....	.....	.....	.....	.....	.....	.....
Healy	.....	2.97	0.18	.....	.....	.....	1.15	4.35	0.69	0.70	.....	.....	.....
Igloo	.....	2.24	0.95	0.20	1.45	.....	.....	0.77	2.07	1.22	1.87	0.27	.....
Iliamna	.....	.....	0.43	T.	.....	.....	.....	.....	1.41	.....	.....	.....	.....
Indian River	2.42	10.99	2.67	0.03	0.05	.....	1.47	12.58	0.49	2.15	.....	.....	.....
Juneau	14.34	10.07	4.63	4.64	6.13	4.90	1.39	9.71	8.22	10.88	5.65	6.01	86.57
Kake	6.55	3.03	2.08	4.83	2.38	3.32	1.25	8.20	6.67	5.94	6.00	4.79	55.04
Kasaan	5.23	.....	.....	3.40	4.96	4.16	1.59	10.48	6.60	8.99	7.47	.....	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alaska—Continued.													
Kennecott	0.29		2.26			1.80					0.91		
Ketchikan	18.51	8.86	8.77	6.57	9.82	6.62	1.49	33.90	13.56	22.06	14.12	12.43	156.71
Klukwan	3.18	1.65	0.61										
Kodiak (A)						5.96	3.41	8.45	6.05		2.74	4.45	
Kodiak (Radio Station)	2.54	2.80	0.91	1.30	1.72	7.14	3.41	6.71	4.68	4.73	2.56	8.20	46.70
Latouche	8.60	19.39	5.01	6.39	3.59	5.87	3.09	14.73	8.66	23.47	20.50	19.43	138.73
Matanuska	0.14	1.76	0.72	0.06	0.49	1.77	2.50	1.90	0.58	0.66	0.67	0.43	11.68
Nakat Inlet	15.35	9.07	12.47										
Nenana	0.21	0.91	0.39	0.16	0.26	0.83	1.23	4.31	0.54	0.68	0.14	0.23	9.89
Noatak	0.33	2.05		0.03	2.20							0.40	
Nome	0.50	4.44	0.40	0.90	0.93	T.	8.43	2.83	2.28	1.89	1.88	0.32	24.80
Noorvik	0.65	2.39	0.93	0.01	1.12	0.30	5.75	2.59	2.56	0.64	1.31	0.34	18.59
Nulato	0.60	4.84	1.65	0.10	0.39	1.10	2.28	2.54	1.79	2.73	0.59	0.76	19.37
Paxson		3.25											
Perserverance	19.82	14.85	11.84	7.35	9.30	7.11	1.93	18.87	13.02	20.49	12.63	5.91	143.12
Rampart	0.32	3.65	0.54	T.	0.04	0.76	1.06	1.76	0.18	0.55	0.31	0.28	9.45
Ruby	0.46	3.01	0.76	0.00	0.36	0.92	3.09	1.66			0.63	0.73	
St. Paul Island								4.79	3.96	2.07	2.95	1.18	
Salmon Creek Beach		9.41	4.42	4.32	5.92		1.42	9.49	7.40	10.90	5.47	3.94	
Salmon River											0.53	0.81	
Seldovia	1.15	5.92	1.84	0.65	0.79	1.64	2.56	3.10	1.29	7.14	1.48	9.48	37.04
Seward	3.95	6.10	0.20	0.70	0.67	2.79	4.88	8.05	2.73	9.93	5.11	4.24	49.35
Shaktoolik												0.18	
Shismaref	0.14	0.66	0.14	0.10	0.41	T.	2.52	1.48	1.41	0.21	0.09	0.07	7.23
Sitka	12.79	8.79	5.27	4.16	4.09	2.75	0.82	10.53	12.03	11.42	6.42	7.19	86.26
Skagway	4.64	1.58	0.50	0.74	0.37	1.50	0.27	3.58	3.63	5.21	1.81	0.84	24.67
Talkeetna	1.40	5.65	0.78	0.13		2.72	4.54	6.77	1.01				
Tanana	0.11	3.39	0.95	0.02	0.36	0.52	1.92	1.73	0.67	0.48	0.39	0.28	10.82
Thane		7.82	3.75	4.29	5.79			8.43	7.04	11.14	5.51		
Valdez	3.29	11.82	1.82	0.50	0.36	2.43	3.65	7.58	3.02	7.68	4.50	3.70	50.35
Wrangell	9.18	7.08	4.68	5.68	6.10	2.52	1.75	14.23	7.81	9.98	5.64	7.01	81.66
Wiseman	0.35		0.19			0.97	2.10	1.72	0.49	0.52	0.24		
Yakutat	7.97	14.96	7.22	4.14	7.17	5.76	1.25	26.81	9.83	20.46	21.04	10.09	136.70
Arizona.													
Ajo	1.54	1.81	1.74	0.00	0.24	0.02	0.28	1.32	0.46	0.70	T.	0.01	8.12
Alamo Ranger Station	2.46		1.81		0.15	0.40	0.03	1.52		1.64	0.15	0.16	
Alpine							2.40	3.00	2.38		0.95		
Ashdale Ranger Station	4.00	5.67	2.30	0.00	0.33	0.05	1.10	0.45		3.30	0.00	0.00	
Ashfork	0.67	3.29	1.58	0.12	1.92	0.11	0.53	3.35	0.61	0.60	0.90	0.21	13.89
Avondale	2.37	1.43	1.31	0.00	0.43	0.02	0.23	3.44	0.09	0.27	0.00	0.00	9.59
Aztec	2.37	0.65	0.23	0.00	0.00	0.00	1.00	T.	0.00	0.01	0.00	0.00	4.26
Baseline Ranger Station	2.33	2.09	0.93										
Benson	1.50	0.45	0.52	0.20	0.12	0.55	0.98	2.54	0.43	0.46	0.00	T.	7.75
Big Springs Ranger Station										3.37			
Bisbee	2.66	0.89	1.42	0.79	0.38	0.52	2.69	2.14	0.60	0.64	0.16	0.29	13.18
Blue	2.66	2.22	1.74	0.71	0.31	1.52	1.66	1.32	1.49	1.51	0.67	1.98	17.79
Bly Ranger Station	0.55	3.09	3.58	0.70	0.58	0.34	1.73	1.73	1.33	3.54	0.46	0.55	18.18
Bowie	1.45	0.48	0.19	0.20	0.05	0.90	0.30	0.60	0.40	1.24	0.00	0.00	5.81
Buckeye	1.77	1.23	1.15	0.00	0.20	0.02	0.00	1.32	0.00	0.47	0.00	0.00	6.16
Canille	3.03	1.79	1.44	0.57	0.18	0.71	3.12	6.08	2.29	0.92	0.05	0.37	20.55
Canon	3.10	3.91	1.22	0.00	0.35	0.00	1.52	1.33	1.98	0.91	0.33	0.00	14.65
Casa Grande	1.62	1.01	2.20									0.05	
Cedar Glade	3.40	2.52		T.	1.10	0.02	1.31	3.08	0.42	1.26	0.02	0.25	
Chandler	1.86	1.18	1.54	0.00	0.22	0.13	0.37	0.70	0.37	0.52	T.	T.	6.89
Childs	2.04	5.80	1.00	T.	0.02	T.	1.52	1.45			0.15	0.00	
Chin Lee	0.99	1.78	0.36	0.22	0.74	0.58	0.39	0.58	0.63	1.11	0.05	0.01	7.44
Clemenceau							0.61	1.61	0.35	0.88	0.06	0.11	
Clifton	2.08	2.14	1.34	0.49	0.90	1.27	0.67	2.17	1.59	0.12	0.09	T.	12.86
Cochise	1.41	1.24	0.93	0.19	0.22	1.00	0.46	1.51	0.45	0.55	0.06	0.07	8.09
Colmac						0.86	3.00	3.41					
Cooley							2.12	3.45	2.04				
Cornville	2.04												
Cosnino	1.50	4.60	1.08	0.85	0.69	0.15	0.71	0.30	0.76	1.65	0.32	0.24	12.85
Crown King	3.87	5.20	2.70	0.50	0.86	0.00	3.00	3.22	1.34	3.00	0.35	0.70	24.74
Douglas	1.15	0.16	0.38	0.11	0.02	0.44	0.53	2.50	0.57	1.05	0.09	0.01	7.01
Dudleyville	2.20	1.24	1.60	0.57	0.08	1.19	0.71	2.34	1.45	1.73	0.07	0.18	13.36
Elgin	2.01	0.77	0.73	0.42	0.17	0.77	0.88	5.68	1.46	0.49	0.00	T.	13.38
Fairbank	1.40	0.40	0.30	0.35	0.00	0.70	0.95	2.41	1.00	0.51	0.00	T.	8.02
Flagstaff	2.20	3.60	3.11	0.61	0.53	0.01	1.36	2.39	0.79	3.08	0.97	0.68	19.33
Fort Apache		1.88	2.89		0.49								
Fort Grant	1.27		1.27	0.35	T.	1.53	1.10	1.87	0.45	0.85	0.00	T.	
Fort Valley	1.85	6.44	3.09	1.10	1.13	0.08	2.00	2.38	0.91	2.94	0.97	1.02	23.91
Gila Bend	1.45	0.80	1.30	0.00	0.00	0.00	0.80	1.00	0.00	0.50	0.00	0.00	5.85
Gisela	2.60	3.45	2.54	T.	0.43	1.09	1.51	2.66	1.24	1.88	0.27	0.21	17.88
Globe	3.37	2.13	2.00	0.12	0.12	1.23	1.88	2.28	0.87	2.52	0.60	0.14	17.29
Goodyear	1.83	0.91	1.54	T.	0.31	0.56	0.23	0.50	0.89	0.58	0.00	0.02	7.37
Gould's Ranch		1.56	1.64	0.00	0.00	0.00	0.92	1.64	0.00	0.53	0.00	0.00	
Grand Canyon	1.22	3.40	1.43	0.42	1.25	0.05	0.16	0.41	1.04		0.62	0.74	
Granite Reef Dam	1.65	1.34	1.59	0.00	0.11	0.22	0.42	0.71	0.23	1.26	0.00	0.08	7.61
Greer	1.56	2.13	1.65		0.41	0.59	1.71	3.61	2.71	1.51	0.75	0.31	
Hackberry Ranger Station	3.28	3.97			T.	1.08							
Heber				0.37	0.44		2.78	1.18	1.78	3.35	0.85	0.33	
Helvetia					0.25	0.56	2.74	2.73					
Henry's Camp	3.02	2.99	3.33	0.70	0.51	2.81	1.13	1.88	1.84	1.70	0.74	0.71	21.36
Hereford	1.40	0.31	0.64	0.00	0.21	0.93	2.99	2.73	1.62	0.66	0.08	0.00	11.57
Higley	1.83	1.24	1.77	T.	0.10	0.17	1.43	1.41	0.44	0.95	T.	T.	9.34
Holbrook		0.75	0.76	0.68	0.47	1.65	0.28	0.49	0.98	0.58	T.	0.08	
Honeymoon		2.00		0.35	0.35	0.98	1.60	2.75	0.79	1.03	0.08	0.29	
Ideal Ranger Station							2.73						
Indian Oasis	2.46	0.53	1.45	T.	0.55	0.50	1.55	2.35	0.20	0.60	0.00	0.00	10.19
Intake	1.79	1.96	2.24	0.00	0.00	0.49	0.96	2.81	0.83	1.99	0.28	0.29	13.64
Jerome	3.71	5.10	1.56	0.02	0.64	T.	1.45	2.37	0.59	2.18	0.14	0.28	18.04
Jerome Junction		2.95	0.26										
Kayenta		1.00	0.04	0.02				0.00	0.59	0.39	0.14	T.	
Keam's Canyon									0.44		0.00	0.05	
Kingman	1.62	4.13	0.97	0.00	1.17	3.00	2.08	0.74	0.00	1.13	0.00	0.01	14.85
Lakeside			1.41		0.63	1.12	0.83		1.49	3.62	1.07	0.48	
Lee's Ferry	0.72	1.18											

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arizona—Continued.													
Leslie Canyon	1.41	0.67	0.91	0.11	0.05	2.00	0.51	1.94	0.87	0.80	0.15	0.08	9.50
Leupp	0.50	1.25	0.15	0.28	0.62	0.02	1.30	1.03	1.18	1.44	0.00	0.10	7.87
Lewis Springs	1.70	0.32	0.50	0.12	0.00	0.33	1.44	2.37	0.85	0.68	T.	T.	8.31
Light	2.34	1.31	0.60	0.19	0.19	1.16	1.80	4.11	0.01				
Long Valley Ranger Station						0.64							
Maricopa	1.79	0.66	1.61	0.03	0.25	0.05	0.77	2.17	0.11	0.15	T.	0.02	7.61
Marinette											T.	0.00	
Mesa Experiment Farm	1.89	1.25	1.88	0.00	0.23	0.08	0.14	1.00	T.	0.87	0.00	0.00	7.34
Miami	2.83	3.26	2.81	0.02	0.15	0.98	1.68	3.82	1.15	3.04	0.68	0.45	20.87
Moccasin	0.70	3.28	1.33	0.49	0.94	0.22	0.22	0.78	0.28	2.31	0.23	0.97	11.75
Mohawk	2.35	0.40	0.30	0.00	0.00	0.00	T.	0.22	0.67	0.00	0.00	0.00	3.94
Mormon Lake Ranger Station					0.96	0.72	0.24	1.70	1.38	4.12			
Mount Trumbull	1.10	3.56	1.55	0.21	0.54	0.52	0.41	1.20	0.17	2.69	T.	0.56	12.47
Naco	2.65	T.	0.70	0.20	0.30	0.65	3.85	2.70	0.95	1.00	T.	T.	13.00
Natural Bridge	3.46	7.32	3.04	0.13	0.42	0.67	0.36	3.84	1.29	3.91	0.50	0.35	25.29
Nogales	2.63	0.88	0.67	0.05	0.12	0.17	2.59	3.17	1.54	0.14	0.00	0.07	12.03
Oracle	2.48		2.90		0.10	0.40	1.45	3.37		3.15	0.00	0.10	
Osborn	2.69	0.12	T.										
Paradise	1.77	1.33	1.61	1.07	0.05	0.95	1.34	3.09	1.24	2.95	0.17	0.47	16.04
Parker	2.58	2.07	0.25	0.00	T.	0.04	0.04	0.42	T.	0.53	0.03	0.00	5.96
Payson	2.82	4.90	3.22	0.00	0.41	0.92	0.67	2.73	1.43	4.05	0.49		
Phoenix	1.42	1.46	1.35	0.00	0.42	T.	0.25	0.75	0.10	0.46	T.	T.	6.21
Pinal Ranch	3.71	6.47	3.48	0.37	0.21	0.93	0.34	5.51	1.09	2.96	0.66	0.63	26.36
Pinedale	1.99	3.86	1.55	0.39	0.49	1.37	2.68	1.08	1.67	3.11	2.08	0.35	20.62
Pinto	1.13	1.37	1.13	0.89	0.69	1.04	0.45	2.92	1.21	2.05	0.16	0.31	13.35
Portal	2.23	0.70	1.03	0.94	T.	0.95	1.31	5.08	1.54	2.26	0.10	0.27	16.41
Prescott	1.95	7.32	2.73	0.07	0.80	0.15	1.92	1.97	1.80	2.37	0.35	0.61	22.04
Prescott Dry Farm	1.70	3.82	1.31	0.03	0.76	0.02	2.03	1.62	0.23	1.46	T.	0.21	13.19
Quartzsite	2.72	5.85	0.25	0.00	0.81	0.00	0.65	0.09	0.00	0.51	0.00	0.00	10.88
Redrock	0.51	0.50	0.22	0.01	0.02	0.03	0.51	0.12					
Roosevelt	2.82	3.42	2.76	0.00	0.09	2.31	1.12	2.98	1.28	2.70	0.23	0.70	20.41
Rosemont	2.62	0.83	1.79	0.24		0.35	1.29	5.74			0.00	0.32	
Rucker Canyon	2.10	1.79	2.11	0.58	0.05	2.87	0.76	4.95	1.18	2.11	0.27	0.15	18.92
Ryan											0.48	0.88	
Sacaton	2.03	0.98	1.41	0.25	0.17	0.23	0.48	0.89	0.21	1.21	0.00	0.00	7.86
St. Johns	1.14	0.61	2.19	1.00	0.07	1.34	2.53	2.29	1.02	0.88	0.01	0.40	13.48
St. Michaels	1.97	1.94	0.34	0.68	0.50	1.14	1.02	1.44	1.20	1.74			
Salome	3.81	3.55	0.11	0.00	0.05	0.00	0.88	2.41	0.01	0.10	0.02	0.02	10.96
Santa Marguerita	3.38	1.13	2.28	T.	0.91	0.35	1.49	2.68	2.41	0.84	0.00	0.08	15.55
Seligman	1.28	3.26	2.22	0.47	0.18	0.07			0.32	0.60	0.00	0.20	
Show Low	2.64	3.01	1.35	0.23	0.35	1.15	1.40	1.00	1.71	3.15	1.47	0.38	17.84
Silverbell	2.04	1.03	3.21	0.00	0.00	0.10	0.12	3.57	2.32	1.40	0.00	0.00	13.79
Snowflake	0.48	1.22	1.66	0.74	0.37	1.34	1.05	1.74	2.73	1.84	0.36	0.32	13.85
Springerville	0.48	0.60			0.35	0.75	0.75	3.05	1.03			0.21	
Sunflower Ranger Station	4.90	6.00	4.30										
Sunset Ranger Station	1.30	2.41	1.40	1.40		1.96	1.61	5.96		2.75	0.30	0.15	
Supai	0.62	4.15	0.70	0.17	0.05	0.15	0.65	0.70					
Superior							0.91	7.16	1.00	2.80	0.45	0.13	
Sycamore Ranger Station	1.88	4.93	1.25	T.	0.45	0.03	1.91	1.50	1.03	2.55	0.20	0.00	15.73
Tempe	1.92	1.12	1.76	0.00	0.37	0.05	0.22		0.10	0.51	0.00	T.	
Thatcher	0.62	0.80	1.16	0.20	0.27	0.56	1.15	1.07	0.84	0.55	0.00	0.00	7.22
Tombstone	2.10	0.82	0.71	0.21	0.18	0.70	2.10	2.96	0.57	0.69	0.14	0.00	11.18
Tonto Ranger Station	2.35	6.19	1.93	0.12	1.01	0.02	1.36	4.49	0.74	1.42	0.15	0.30	20.08
Truxton								1.27				0.45	
Tuba City	0.30	1.69	0.00	0.00	0.30	0.30	0.92	1.60	0.72	1.29	0.00	0.08	7.20
Tucson	2.29	0.54	1.56	0.16	0.14	0.68	0.35	1.53	0.39	0.46	0.00	0.00	8.10
University of Arizona	2.29	1.00	1.96	0.16	0.21	0.56	0.25	2.84	0.74	0.55	0.01	0.15	10.72
Walnut Creek Ranger Station	3.75	5.14	1.88	0.24	1.80	0.00	1.06	1.65	0.51	1.17	0.42	0.45	18.07
Walnut Grove	2.85	5.38	1.32	0.00	0.93	0.00	1.65	2.77	1.30	2.47	0.15	0.25	19.07
Waters Ranger Station						0.96	1.94	2.78	2.40				
Wickenburg	2.44	2.85	0.15	0.00	0.19	0.00	1.77	1.85	0.46	1.00	0.00	0.00	10.71
Willcox	1.60	1.66	0.80	0.30	0.37	2.04	1.06	3.94	1.54	0.90	0.10	0.04	14.35
Williams	2.22	7.33	3.31	1.68	1.89	0.10	1.83	2.93	1.72	1.89	1.30	0.88	26.88
Windmill Ranch	1.63	4.34	1.16	0.04	0.46	0.05	0.27	0.84	0.89	1.88	0.34	0.24	12.14
Winslow	0.99	1.01	0.54	0.30	0.33	0.46	0.94	2.93	0.61	0.97	0.07	T.	9.15
Yaeger Canyon		4.59	1.57	0.00	0.67	0.00	1.15	3.62	0.00		0.00	0.20	
Young	3.89	4.89	2.71	T.	0.67	1.37	3.39	3.52	0.76	3.14	0.20	0.70	25.24
Yuma (Weather Bureau)	1.47	0.66	0.37	0.00	0.00	T.	T.	0.62	1.48	0.15	0.00	T.	4.75
Yuma (Date Orchard)	1.44	1.12	0.41	0.00	0.00	T.	T.	0.01	1.72	0.16	T.	T.	4.86
Yuma (Evaporation Station)	1.57	0.93	0.43	0.00	0.00	T.	T.	0.55	1.52	0.20	0.00	0.00	5.20
Yuma (Citrus Station)									2.31	0.01	0.00	0.00	
Arkansas.													
Amity	6.67	1.82								4.82	1.21	8.16	
Arkadelphia	7.75	1.35	3.20	5.01	6.65	2.63	3.90	1.88	4.05	2.50	2.85	7.87	49.64
Arkansas City	7.35	2.63	4.56	9.23	11.73	2.95	5.80	6.07	2.02	2.57	3.63	6.57	65.11
Bald Knob					8.66	4.48	3.46	4.06	2.86	3.74	1.75	6.68	
Batesville	6.12	0.87	5.24	4.69	11.06	3.66	6.13	6.00	3.17	4.79	0.75	6.61	59.09
Beebe				4.65	6.03								
Bee Branch	7.35	0.85	6.55	5.45	12.00	7.40	4.15	7.10	2.00	3.60	1.20	5.65	63.30
Bentonville	2.27	0.66	6.60	2.54	5.84	2.02	2.83	6.30	4.50	5.00	0.93	2.67	42.16
Bergman	4.54	0.74	6.47		13.32	1.41	0.85	4.56	1.44	3.36			
Black Rock	5.53	1.52	6.25	3.53	11.52	2.36	4.01	3.04	5.72	3.42	1.07	6.00	53.97
Booneville	12.83	0.86	5.69	4.82	2.98	2.38	5.74	2.34	3.15	4.34	0.78	3.18	49.09
Brinkley	8.99	2.13	5.65	7.60	11.72	3.51	8.40	4.81	2.36	4.90	1.88	8.72	70.67
Calico Rock	5.21	0.80	4.86	2.65	7.39	1.34	2.68	6.16	3.04	4.17	0.61	3.91	42.62
Camden	6.10	2.03	4.70	7.31	7.92	2.57	3.60	3.04	2.97	2.56	5.74	7.37	55.91
Centerpoint				5.30	8.27	2.23	3.05	2.38					
Clarendon	4.52	1.94	4.16	7.86	9.92	3.49	4.08	2.65	2.60	5.20	2.21	7.21	55.84
Conway	7.15	1.11	6.75	4.83	7.59	8.26	3.12	3.41	3.67	3.00	1.77	6.09	56.75
Corning	3.00	0.85	5.83	4.30	9.52	1.83	3.85	3.46	5.64	3.57	0.86	6.09	48.80
Danville	6.71	1.04	6.71	3.68	6.21	5.23	3.49	1.14	3.49	4.30	0.86	4.90	47.76
Dardanelle	6.45	0.57	7.42	5.24	7.96	2.74	2.60	3.10	2.90	3.60	1.18	4.19	47.95
Dodd City	3.62	1.03	5.70	3.79	6.63	0.63	2.72	5.55	3.97	3.08		3.16	
Dumas	5.82	2.15	6.16	8.09	11.50	4.36	2.70	5.48	1.60	5.55	4.54	8.66	67.61

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arkansas—Continued.													
Dutton	3.63	1.28	8.15	5.67	5.48	5.12	5.54	4.66	8.25	4.78	1.26	5.68	59.50
El Dorado	5.65	3.18	5.30	8.23	4.52	3.38	7.96	4.24	3.61	2.99	5.78	8.47	63.31
England	8.53	.....	.....	.....	5.77	4.20	1.93	4.36	2.69	3.13	2.23	8.67	.....
Eureka Springs	3.18	1.74	6.32	2.70	8.66	1.44	3.14	6.49	4.70	6.09	0.82	3.01	48.29
Fayetteville	3.17	1.21	6.03	2.99	5.95	1.78	4.71	3.49	3.08	6.99	1.17	.....	.....
Fort Smith	3.89	0.74	3.90	3.40	2.12	1.71	1.92	1.68	2.31	4.74	0.42	2.14	28.97
Fulton	7.50	2.00	4.79	4.44	9.14	1.58	3.10	2.41	2.19	4.68	4.32	3.24	49.39
Georgetown	8.59	1.34	1.93	6.54	7.41	4.08	5.52	2.67	5.85	4.00	1.88	7.00	56.81
Gillett	.....	.....	.....	.....	13.37	.....	.....	4.23	2.08	7.42	4.45	7.21	.....
Grannis	6.67	1.96	7.97	6.80	15.21	4.43	4.75	1.99	4.92	6.23	2.30	6.36	69.59
Gravette	2.61	0.35	4.03	1.74	4.98	2.85	2.25	6.88	3.73	4.50	1.41	3.31	38.64
Hardy	.....	.....	.....	1.42	6.55	.....	1.91	2.30	2.49	5.20	0.30	3.70	.....
Helena	9.31	2.07	3.19	10.56	8.25	4.16	5.59	5.58	2.96	3.48	2.58	6.82	64.55
Higden	8.23	0.47	6.80	5.85	11.08	5.55	2.54	8.55	4.58	.....	.....	5.55	.....
Hope	8.31	2.12	5.76	4.06	8.36	1.34	7.12	2.72	2.82	3.36	2.93	7.27	56.17
Hot Springs	7.18	1.30	4.83	4.43	11.16	2.96	3.24	3.18	3.53	3.13	0.95	7.85	53.74
Huttig	8.06	1.59	5.79	6.14	7.17	8.00	7.82	6.96	2.84	5.45	4.30	8.90	73.02
Jonesboro	6.92	1.75	4.14	4.75	9.34	2.60	5.62	2.56	2.37	5.13	1.67	6.30	53.15
Junction	5.83	2.24	5.86	9.35	5.72	2.23	7.18	.....	3.70	2.80	2.32	6.58	.....
Little Rock	9.19	1.16	4.80	6.59	8.18	4.27	3.06	3.33	2.88	3.23	0.88	6.99	54.56
Lutherville	5.95	0.69	6.13	5.04	8.07	3.16	3.92	3.60	3.18	5.19	0.76	3.40	49.09
Magnolia	5.98	2.05	6.40	5.73	6.08	2.85	5.82	3.36	2.33	1.66	5.62	6.32	54.20
Malvern	9.21	1.70	6.54	7.78	8.00	3.83	3.87	5.72	6.69	3.62	3.37	9.19	69.52
Mammoth Spring	4.25	0.65	5.31	2.13	8.36	3.08	3.21	6.24	2.65	4.35	0.59	3.75	44.51
Marianna	7.60	2.30	5.48	5.70	6.99	6.21	3.50	3.11	1.94	5.40	1.83	7.59	57.65
Marked Tree	10.90	1.94	4.24	7.81	8.15	1.79	4.33	1.85	3.46	5.47	1.84	7.00	58.78
Marshall	5.36	1.14	7.44	3.94	15.32	3.45	4.24	4.79	3.38	3.13	0.51	5.73	58.43
Mena	7.00	2.22	7.34	5.04	8.91	3.79	2.03	3.66	2.58	5.13	1.49	5.67	54.86
Morrillton	5.40	0.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Home	4.83	0.53	6.37	3.26	7.96	1.37	4.99	7.87	3.99	5.19	0.21	4.70	51.27
Mount Ida	7.51	1.50	8.57	5.76	9.96	4.84	3.81	2.04	6.35	7.25	1.82	7.26	66.67
Murfreesboro	8.26	1.45	3.20	6.78	11.39	3.14	1.40	2.64	5.28	4.14	1.10	7.00	55.78
Nail	3.26	0.37	6.93	5.94	5.06	2.15	.....	3.84	6.98	4.80	1.15	4.52	.....
Newport	7.28	1.12	5.66	6.21	10.06	4.26	4.39	4.25	2.56	5.35	1.46	7.18	59.78
Okay	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.94	.....
Osceola	8.57	1.70	2.26	7.96	5.30	3.13	3.33	4.50	3.15	3.80	2.10	7.25	53.05
Ozark	5.92	0.81	4.15	6.07	4.07	1.45	4.28	.....	6.37	3.68	0.60	2.29	.....
Patterson	9.72	0.62	3.49	6.77	10.16	5.48	7.25	2.50	4.37	4.79	1.87	6.89	63.91
Pine Bluff	5.82	1.76	3.57	6.83	4.91	1.97	3.78	3.46	3.47	2.99	2.28	7.80	48.64
Pocahontas	5.97	0.95	5.95	4.15	10.85	2.45	5.40	2.35	6.35	3.20	1.25	5.60	54.47
Portland	8.19	2.74	6.39	9.09	13.91	5.70	5.77	3.78	1.10	3.14	3.52	8.39	71.72
Prescott	8.30	1.66	4.78	5.21	8.51	1.79	4.74	4.34	2.83	2.95	2.63	7.49	55.23
Princeton	3.38	1.61	2.79	7.09	4.30	3.34	7.40	3.89	4.28	2.57	2.80	8.00	51.45
Rison	6.20	1.47	5.52	6.33	5.35	3.92	4.00	6.70	2.42	4.14	2.84	7.33	56.22
Rogers	2.54	1.20	5.69	1.95	5.63	2.43	1.04	4.42	4.55	4.11	0.33	2.64	36.53
Searcy	7.73	1.09	5.35	3.73	9.36	5.30	1.14	5.43	3.21	2.58	2.14	6.64	53.70
Springbank	6.68	1.68	4.29	4.37	8.67	2.48	7.29	3.12	1.96	4.71	4.93	6.24	56.42
Stuttgart	6.40	1.71	4.81	6.22	6.84	3.58	2.23	4.48	2.42	5.19	2.13	6.68	52.60
Subiaco	6.02	0.86	6.12	4.33	4.46	2.64	6.04	1.73	5.63	4.27	0.99	3.08	46.17
Texarkana	8.39	1.47	4.71	6.35	9.55	3.23	7.20	4.60	2.45	8.18	1.75	6.68	64.56
Umphers	6.78	2.51	7.46	4.73	7.19	6.91	5.03	2.74	4.79	5.15	0.52	4.56	58.37
Waldron	6.87	1.21	7.81	5.95	4.98	2.09	2.47	3.74	2.70	5.67	1.02	4.49	49.00
Warren	5.31	1.92	4.69	6.59	4.70	5.05	3.92	6.38	1.13	4.36	5.62	7.93	57.60
Whitecliffs	7.00	0.40	4.00	6.88	9.40	1.88	3.80	2.85	1.80	5.55	2.80	6.00	52.36
Wynne	7.57	1.42	2.47	6.64	9.01	4.24	5.75	1.56	4.79	6.70	0.99	6.48	57.62
California.													
Abbotts	0.31	1.99	4.38	1.04	0.00	0.05	0.00	0.00	0.00	1.73	2.58	2.69	14.77
Acton	0.65	1.81	5.09	0.13	0.00	0.00	0.00	0.00	.....	.....	.....	.....	.....
Aguanga	0.57	5.27	4.97	0.23	0.20	0.00	0.76	T.	0.00	0.36	0.28	0.37	13.01
Alder Creek	.....	4.77	5.70	0.67	0.07	0.00	T.	.....	.....	1.04	0.87	1.02	.....
Andreas Canon	1.08	3.03	3.15	0.10	0.21	0.00	0.00	0.38	T.	0.97	0.00	0.26	9.18
Andreas Garden	.....	.....	2.61	.....	0.50	0.00	0.05	0.51	0.02	0.80	0.00	0.18	.....
Angiola	0.95	1.71	2.86	0.27	0.00	T.	0.00	T.	0.00	0.38	0.55	0.92	7.64
Antelope Valley	1.18	2.98	3.07	0.07	0.00	T.	0.00	0.17	0.00	0.75	0.91	0.53	9.66
Antioch	0.25	0.72	2.16	0.88	0.00	0.18	0.00	0.00	0.00	1.11	1.51	3.64	10.45
Arrowhead Springs	0.08	5.98	7.98	.....	1.22	0.00	0.02	0.00	T.	.....	1.10	3.32	.....
Arroyo Seco	0.48	2.02	4.13	2.29	0.43	0.00	T.	.....	.....	0.91	1.71	1.86	.....
Atascadero	0.54	2.30	4.85	2.27	0.00	0.00	0.00	0.00	0.00	1.04	1.36	2.44	14.80
Auberry	0.82	4.88	8.14	3.05	0.00	0.00	0.00	0.19	0.00	1.99	3.55	3.53	26.15
Auburn	1.50	1.99	10.63	5.28	0.00	0.41	0.00	0.31	0.26	4.56	8.36	11.58	44.88
Avalon	0.32	3.05	3.61	0.94	0.27	0.04	0.00	0.00	0.00	0.65	0.46	1.06	10.40
Azusa	0.66	5.58	6.71	1.86	0.62	0.00	0.00	0.00	0.00	.....	.....	.....	.....
Bagdad	0.00	1.32	T.	0.00	0.60	0.00	T.	0.32	0.00	T.	0.00	0.00	2.24
Bakersfield	0.51	1.58	2.28	0.14	0.00	0.44	0.00	T.	0.00	0.63	0.16	0.76	6.50
Banning	.....	5.95	6.28	0.79	0.90	0.00	.....	.....	0.00	1.95	0.67	0.95	.....
Barrett Dam	1.60	6.36	6.09	1.11	0.86	0.00	T.	0.25	0.55	1.44	0.24	1.25	19.75
Barstow	0.16	1.25	0.98	0.00	0.12	0.00	0.00	0.53	0.00	0.10	0.00	0.18	3.32
Beaumont	1.08	5.55	7.13	1.54	2.09	0.00	0.00	0.00	0.00	1.92	0.84	1.51	21.66
Beaumont (near)	0.95	7.08	8.62	1.55	1.39	0.00	0.00	0.00	0.57	2.86	0.72	1.57	25.31
Bellota	0.44	0.97	6.56	1.52	0.00	0.30	0.00	0.42	T.	2.18	2.45	4.75	19.59
Benson's Ferry	0.40	0.60	3.39	1.19	0.00	0.15	0.00	0.00	0.00	1.33	2.51	3.98	13.55
Berkeley	0.83	1.12	3.89	1.62	0.00	0.25	0.00	0.00	0.28	1.84	3.57	6.97	20.37
Betteravia	0.18	1.43	4.16	0.76	0.00	0.00	0.00	0.00	0.00	0.65	1.08	1.54	9.80
Big Bar	0.99	0.61	3.86	3.69	0.19	2.02	0.88	0.08	0.99	1.65	13.07	11.10	39.13
Big Bear Tavern	1.10	8.01	8.88	0.82	T.	0.00	1.05	T.	.....	1.70	0.66	.....	.....
Big Sur	0.95	3.08	9.71	5.94	0.00	0.23	0.00	0.00	0.05	2.39	6.76	10.05	39.16
Bishop Creek	0.10	2.28	3.36	0.47	1.14	0.82	0.11	0.99	0.48	1.43	0.51	1.00	12.69
Blue Canon	1.99	3.20	10.46	4.56	0.00	0.67	0.00	0.75	0.98	7.71	14.95	16.59	61.86
Blythe	0.23	3.14	0.10	0.00	T.	0.00	0.00	0.65	0.00	0.39	0.00	0.00	4.51
Bonita	0.59	3.98	3.05	0.36	0.28	0.00	0.00	T.	T.	0.42	0.43	0.49	9.60
Branscomb	0.31	3.06	11.23	13.20	0.00	2.34	0.18	0.35	1.74	7.53	32.55	23.02	95.51
Brawley	0.99	2.02	0.00	0.00	0.15	0.00	0.00	0.28	0.70	0.12	0.00	T.	4.17
Bryant's Ranch	0.57	4.69	7.42	0.82	0.03	.....	0.00	0.01	T.	0.73	2.16	1.49	.....
Cabason	.....	4.97	4.39	0.00	0.00	.....	0.00	0.00	0.00	0.75	0.00	0.50	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Calaveras Ranger Station	1.95	3.95	13.86	6.87	0.00	0.00	0.00	0.36	0.00	8.03	6.72	9.00	50.74
Calexico	0.88	1.52	0.06	0.00	T.	0.00	T.	1.05	1.30	0.10	0.00	0.00	4.91
Camp Baldy	1.19	8.85	13.62	.....	.....	.....	.....	.....	.....	.....	1.28	1.42	.....
Campbell	0.14	1.26	4.25	0.68	0.00	0.22	0.00	0.00	0.05	1.93	2.09	4.15	14.77
Campo	1.90	7.44	5.84	0.66	0.35	0.00	0.00	1.00	0.15	1.10	0.12	0.79	19.35
Camptonville (near)	1.80	5.57	13.76	7.14	T.	1.15	0.03	0.65	0.92	5.53	23.05	17.15	76.75
Canon Dam	0.25	4.23	6.91	4.99	0.23	0.72	0.01	0.66	0.43	2.43	9.97	8.24	39.07
Cascada	0.66	5.98	9.14	4.12	0.06	0.31	T.	1.83	0.04	4.03	1.91	3.77	31.85
Cedarville	0.31	0.84	2.31	1.57	0.32	0.66	0.01	0.59	0.81	1.19	2.33	1.99	12.93
Centerville Power House	0.72	3.95	8.63	4.07	0.00	0.32	0.00	0.06	0.01	3.84	16.24	12.59	50.43
Chester	0.20	1.78	4.79	2.68	0.32	0.49	0.01	0.84	0.28	1.52	8.43	8.69	30.03
Chico	0.47	2.91	5.06	1.87	T.	1.11	T.	0.07	0.00	1.90	10.68	7.67	31.74
China Flat	1.40	1.67	7.28	5.64	0.06	1.18	0.48	0.16	2.04	5.38	12.77	19.28	57.34
Chula Vista	0.53	4.01	2.67	0.34	0.51	0.05	0.00	0.00	0.04	0.39	0.49	0.41	9.44
Churn Creek	0.52	1.10	4.11	2.80	0.04	0.55	0.01	0.03	0.00	1.75	10.12	9.06	30.09
Claremont	0.72	4.32	7.61	1.77	0.56	0.00	0.00	T.	0.09	2.60	0.29	1.26	19.22
Cloverdale	0.33	1.58	4.98	4.12	0.00	0.38	T.	0.06	0.11	3.06	10.09	11.30	36.01
Clovis	1.33	1.64	4.85	0.86	0.00	0.10	0.00	0.00	0.00	1.25	1.36	2.02	13.41
Coalinga	0.29	1.95	2.07	0.00	0.00	0.03	0.00	0.03	T.	0.31	1.04	0.66	6.38
Colfax	1.48	4.65	10.70	6.19	0.00	0.22	0.05	0.35	0.83	5.93	10.30	10.62	51.32
Colgate	1.34	4.11	10.00	5.28	0.15	0.48	0.00	0.24	0.26	4.27	13.10	11.08	50.31
Colusa	0.23	1.20	1.98	0.23	0.01	0.15	0.13	0.01	0.02	1.33	5.84	5.48	16.61
Corona	0.87	3.89	4.12	0.28	0.88	0.00	0.00	0.00	0.07	1.30	0.45	0.67	12.53
Crescent City	4.18	1.37	8.74	3.51	0.00	7.49	0.25	1.34	11.59	14.24	14.13	21.20	88.04
Crockett	0.47	0.62	2.90	2.93	0.00	0.12	0.00	0.00	0.07	1.28	2.31	5.74	16.44
Cuyamaca	3.43	10.09	10.28	3.86	0.30	0.00	0.07	0.85	0.18	3.94	0.95	3.10	37.05
Davis	0.37	0.76	3.47	0.83	0.00	0.04	0.00	0.04	0.03	1.46	4.02	4.39	15.41
Deer Creek	1.80	4.95	14.62	8.83	0.00	0.84	T.	0.66	0.83	8.55	17.19	17.59	75.86
Del Monte	0.16	0.94	3.17	0.54	0.00	0.35	0.00	0.00	0.00	1.45	1.76	3.54	11.91
Denair	0.37	2.08	3.76	0.97	0.00	0.09	0.00	0.50	0.00	0.99	2.41	3.29	14.46
De Sabla	1.21	5.69	10.53	6.47	T.	0.56	0.00	0.10	0.18	5.29	23.56	17.29	70.88
Devore Ranch	1.02	10.67	12.87	3.48	0.55	0.00	0.00	0.00	0.00	4.15	1.50	2.29	36.53
Dillon Ranch	1.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dinuba	1.30	3.02	4.66	1.15	0.00	0.00	0.00	0.05	0.00	1.12	1.13	1.60	14.03
Dobbins (near)	1.42	3.40	10.19	5.14	0.16	0.51	0.00	0.30	0.29	4.39	14.18	11.50	51.48
Dobie Ranch	0.85	0.94	1.12	0.00	0.57	0.00	0.60	0.00	0.08	0.22	0.05	0.30	4.73
Dodgeland	0.09	1.26	3.26	0.90	0.00	0.09	0.05	0.01	T.	1.28	7.10	6.30	20.34
Downieville	1.94	4.24	13.25	8.32	0.24	0.80	0.04	0.67	1.24	8.09	17.18	16.77	72.78
Dudley	1.05	1.77	1.68	0.00	0.00	0.08	0.00	0.54	T.	0.43	0.35	0.57	6.47
Dudleys	2.30	4.88	10.99	4.99	T.	0.54	T.	0.46	0.05	4.50	4.60	7.48	40.79
Durham	0.55	2.51	5.17	.....	0.00	.....	0.00	.....	.....	.....	.....	.....	.....
East Park	0.14	1.06	2.31	0.85	0.00	T.	0.00	0.04	0.03	1.38	5.61	6.02	17.44
Edison	0.94	1.58	3.45	0.64	0.00	0.08	0.00	0.00	0.00	0.44	0.22	1.81	9.16
Echo Mountain	0.75	4.54	8.45	1.57	0.06	0.00	0.00	0.04	0.04	1.20	1.28	1.44	19.37
El Cajon	0.70	4.47	4.90	0.79	0.48	0.00	T.	0.00	0.07	0.74	0.29	0.69	13.13
Electra	0.43	2.14	10.60	4.16	0.00	0.67	0.00	0.11	0.02	4.24	4.96	6.92	34.25
Elsinore	0.67	3.94	4.63	0.15	0.58	0.00	0.00	0.00	0.03	0.97	0.12	0.42	11.51
Emigrant Gap	3.30	4.90	14.33	5.21	0.00	0.19	0.09	0.65	0.78	3.71	14.79	8.77	56.72
Escondido	0.63	4.34	4.93	0.75	0.23	0.11	0.00	0.00	0.03	0.82	0.22	1.17	13.23
Eureka	1.87	2.11	5.79	3.12	0.04	1.92	0.13	0.49	2.47	4.11	6.35	10.89	39.29
Fairmont	0.82	4.27	4.01	0.29	T.	0.00	0.00	0.00	0.00	0.11	1.36	0.52	11.38
Firebaugh	0.18	0.61	2.88	0.21	0.00	0.36	0.00	0.18	0.00	1.13	1.11	1.05	7.71
Fish Canon	0.52	5.31	7.34	2.11	0.86	0.00	0.00	.....	.....	.....	.....	.....	.....
Folsom	0.91	1.81	6.50	2.04	0.00	0.15	0.00	0.04	0.00	3.28	5.09	6.67	26.49
Fontana	0.85	4.95	6.37	1.08	0.71	0.00	0.00	0.00	0.07	2.52	0.70	1.60	18.85
Fordyce Dam	1.48	5.47	12.22	6.79	0.48	2.25	0.00	0.61	1.33	6.32	13.26	11.06	61.27
Fort Bidwell	0.45	0.84	2.65	1.64	0.35	0.93	0.08	1.41	1.23	1.23	2.43	2.61	15.85
Fort Bragg	0.45	1.62	5.36	3.10	0.00	1.05	1.42	T.	1.11	5.30	11.06	12.23	42.70
Fort Ross	0.53	1.64	4.05	4.78	0.00	3.71	0.32	0.29	0.94	4.07	19.26	14.98	54.57
Fresno	0.69	1.54	3.98	0.49	0.00	0.03	0.00	0.15	T.	0.84	0.99	1.07	9.78
Friant	0.70	1.60	4.70	1.07	0.00	T.	0.00	T.	0.00	.....	.....	2.29	.....
Georgetown	2.20	3.52	11.98	7.48	0.00	0.80	0.00	0.25	0.09	4.92	13.35	14.21	58.80
Glacier Point	0.90	3.55	5.70	2.29	0.00	T.	0.00	1.12	0.50	3.83	2.90	4.77	25.56
Glennville	2.20	2.80	7.46	2.84	0.00	0.22	T.	T.	T.	0.80	0.47	4.08	20.87
Grass Valley	1.64	3.50	11.29	6.89	T.	0.48	0.06	0.37	0.52	7.18	14.35	14.41	60.69
Gray Mountain	0.90	0.64	1.88	0.00	0.12	0.00	0.00	.....	.....	.....	.....	0.25	.....
Greenland Ranch	0.60	1.00	0.30	0.00	0.10	0.60	0.00	0.10	0.00	0.20	0.00	0.00	2.90
Haines Canon	.....	6.89	11.25	1.70	0.16	0.00	0.04	0.10	0.04	1.25	2.07	1.75	.....
Hanford	0.76	2.72	3.05	0.24	0.00	0.14	0.00	T.	0.00	0.85	0.87	0.85	9.48
Hansen Ranch	0.35	5.65	12.01	0.88	0.06	0.00	T.	T.	0.01	1.31	1.85	1.79	23.91
Happy Camp	1.64	0.77	5.07	3.46	0.63	1.69	0.82	0.09	1.44	4.53	11.51	13.98	45.63
Haylork	0.44	0.64	3.29	3.77	0.27	0.75	0.91	0.62	0.46	2.06	13.07	11.33	37.61
Head Dam	1.65	4.07	11.75	6.44	0.06	0.47	0.00	0.25	0.34	4.32	16.26	13.89	59.50
Healdsburg	0.78	2.23	3.08	4.41	0.00	0.62	T.	T.	0.15	3.58	16.04	12.37	43.26
Helen Mine	0.75	3.39	9.66	12.46	0.00	1.60	0.00	0.00	0.50	7.60	26.96	21.96	84.88
Hetch Hetchy	1.65	2.66	8.86	4.20	0.35	0.79	0.00	1.00	0.55	6.00	4.76	5.42	36.25
Hollister	0.11	0.70	3.29	0.79	0.00	0.06	0.00	T.	0.01	1.44	1.29	2.90	10.59
Hullville (near)	0.29	1.37	6.26	6.58	0.41	0.68	0.02	0.36	0.50	3.47	21.80	19.13	60.87
Huntington Lake	0.92	5.11	8.42	4.12	0.05	0.55	0.10	2.09	0.14	4.33	3.17	4.82	33.82
Hurley Flat	0.65	7.20	10.19	0.96	1.15	0.00	0.05	0.14	0.17	2.72	0.29	1.03	24.55
Idria	0.00	2.86	3.25	0.00	0.00	0.00	0.00	0.00	0.00	1.43	1.45	1.69	10.68
Independence	0.00	1.15	0.67	0.24	0.11	0.20	T.	0.77	T.	0.11	0.07	0.32	3.64
Indio	0.95	1.38	0.37	0.00	0.32	0.00	0.00	3.61	0.11	0.06	0.00	0.00	6.80
Inskip	1.05	6.91	15.94	9.70	0.20	1.04	0.07	0.21	1.15	6.70	23.14	21.06	87.17
Jenny Lind	0.31	1.04	7.00	2.02	0.00	0.28	0.00	0.30	0.00	2.34	2.52	4.87	20.68
Jolon	0.46	2.57	2.35	0.51	0.00	T.	0.00	0.00	0.00	0.99	1.76	1.98	10.62
Julian	2.13	11.39	11.19	2.58	0.55	0.00	0.61	2.65	0.49	3.00	0.22	2.60	37.41
Kennedy Mine	0.70	1.71	8.89	2.79	0.00	0.36	0.00	0.08	0.23	4.11	4.73	6.87	30.47
Kennett	0.45	1.35	7.23	7.11	0.53	1.89	T.	0.48	0.17	3.79	27.59	17.04	67.63
Kentfield	0.89	1.82	5.18	6.07	0.00	0.78	0.00	0.00	0.00	3.44	13.39	11.37	42.94
Kernville	1.02	1.70	3.68	2.27	0.00	0.00	0.00	0.22	0.00	0.36	1.03	1.90	12.18
King City	0.03	1.03	2.13	0.15	0.00	0.00	0.00	0.00	0.00	0.24	0.93	1.03	5.54
Knight's Landing	0.42	0.83	3.72	1.00	0.00	0.14	0.02	0.00	T.	1.37	4.76	4.57	16.83
La Crescenta	.....	4.71	8.07	1.14	.....	0.33	0.00	0.25	0.14	0.66	.....	0.48	.....
La Jolla	1.53	7.89	8.33	2.81	1.97	0.16	0.00	0.17	T.	2.34	0.36	1.48	27.04

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Lake Eleanor	1.68	3.64	8.62	4.00	0.25	0.67	0.00	1.31	0.40	6.00	4.84	7.35	38.76
Lakeport	0.17	1.65	3.84	2.55	0.00	0.12	0.03	0.07	0.11	2.99	8.66	9.46	29.65
Lake Spaulding	1.90	5.05	13.31	7.39	0.15	1.74	T.	1.04	1.10	9.17	15.77	14.07	70.69
La Porte	1.60	3.70	8.42	2.18	0.25	0.74	0.00	0.50	0.00	6.58	18.25	14.41	56.63
Las Plumas	0.38	4.22	6.61	5.34	0.00	0.41	0.00	0.02	0.08	3.24	16.33	13.25	49.88
Lathrop	0.32	0.71	3.08	0.70	0.00	0.16	0.00	T.	T.	1.48	2.29	2.76	11.50
La Verne	0.09	4.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Le Grand	0.90	2.09	4.17	0.88	0.00	0.37	0.00	0.00	0.00	1.93	1.79	3.02	15.15
Lemon Cove	0.87	2.65	5.71	1.57	T.	0.05	0.03	0.19	0.00	0.68	0.90	2.46	15.11
Lick Observatory	0.63	1.99	8.41	3.77	0.00	0.12	0.00	0.02	0.07	3.33	3.69	8.33	30.36
Lindsay	1.14	2.43	5.27	0.40	0.00	0.02	T.	0.04	T.	0.51	0.65	1.49	11.95
Live Oak Canon	0.89	4.50	6.29	1.58	0.76	0.00	0.00	0.00	0.00	2.20	0.44	1.59	18.25
Livermore	0.22	0.71	3.52	1.07	0.00	0.13	0.00	0.00	T.	2.03	1.43	3.81	12.92
Little Rock Creek	1.48	3.04	4.32	0.00	0.00	0.00	0.00	.....	0.00	T.	0.65	0.95	.....
Llano	1.20	1.21	0.98	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.20	0.40	4.04
Lompoc	0.07	2.49	3.76	0.38	0.00	T.	0.00	0.00	0.00	1.02	2.24	1.44	11.40
Lone Pine	0.00	2.35	2.52	T.	0.20	0.29	0.00	.....	.....	.....	.....	.....	.....
Los Alamos	0.39	2.97	3.75	0.71	0.00	0.00	0.00	0.00	0.03	0.58	1.33	1.29	11.05
Los Angeles	0.50	2.37	4.25	1.00	0.10	T.	T.	0.00	0.04	0.76	1.15	1.01	11.18
Los Gatos	0.55	1.34	7.38	2.99	T.	0.20	0.00	T.	0.02	2.84	3.97	6.98	26.27
Lower Haines Canon	0.59	5.35	8.74	1.15	0.28	0.00	T.	0.12	T.	0.55	0.23	1.37	18.38
Lytle Creek	2.08	9.08	12.14	3.41	0.64	0.00	0.00	0.00	0.32	4.18	1.67	3.32	36.84
McCloud	0.30	0.83	5.39	5.69	0.38	1.77	0.38	0.15	1.02	3.49	17.41	9.85	46.66
Madeline	0.20	0.85	1.46	0.34	0.21	0.21	T.	1.90	1.02	0.90	2.35	2.81	12.25
Maricopa	0.18	1.44	1.74	0.16	0.00	0.05	0.00	0.05	0.00	0.09	0.09	0.17	3.97
Mariposa	2.22	2.67	8.26	3.77	0.00	0.88	0.00	0.19	0.02	5.69	3.08	6.16	32.94
Markleeville	0.19	1.52	1.74	1.47	0.23	1.70	T.	0.68	0.45	1.93	2.73	2.34	14.98
Marysville	0.60	1.82	4.30	1.56	0.00	0.17	T.	T.	T.	1.21	5.16	6.04	21.86
May Canon	1.04	.....	.....	.....	0.42	0.04	0.02	0.02	T.	0.60	1.55	0.30	.....
Mecca	1.00	1.01	0.12	0.00	0.58	0.00	0.00	1.30	0.18	0.11	T.	1.03	5.33
Melones	0.99	2.42	9.68	2.04	0.00	0.47	0.00	0.03	0.00	4.11	5.01	5.47	30.22
Merced	0.42	1.62	4.88	0.62	0.00	0.09	0.00	0.06	0.00	1.46	2.26	2.62	14.03
Mesa Grande	1.41	9.35	11.00	2.30	0.60	0.00	0.00	0.00	0.00	2.89	0.77	2.30	30.62
Middlewater	0.36	2.35	1.49	0.24	0.00	0.00	0.00	0.06	0.00	0.15	0.30	0.29	5.24
Millard Canon	1.03	4.87	5.41	1.26	0.91	0.00	0.00	0.00	0.00	1.83	0.38	0.74	16.43
Millard Forks	1.27	7.18	11.11	2.22	.....	0.00	0.00	0.22	0.23	4.77	0.80	1.87	.....
Mill Creek (No. 1)	1.55	3.08	12.43	5.84	0.02	1.38	0.00	0.59	0.16	6.58	7.67	10.24	49.54
Mill Creek (No. 2)	0.69	7.38	8.87	1.95	1.21	0.00	0.35	0.05	0.34	3.37	0.58	1.79	26.58
Milo	1.55	2.75	7.57	2.39	0.00	0.16	0.00	T.	0.00	1.43	1.30	5.16	22.31
Milton (near)	0.45	3.03	6.91	1.99	0.00	0.27	0.00	0.38	T.	3.07	3.14	5.85	25.09
Mission Valley	0.95	5.10	3.90	0.16	0.25	0.00	0.00	0.52	T.	1.23	0.06	0.53	12.70
Mokelumne Hill	0.47	3.25	7.96	3.48	0.00	0.62	0.00	0.21	0.05	4.32	4.89	6.42	31.67
Monroeville	0.30	1.38	3.34	0.76	0.00	0.16	0.00	0.13	0.00	0.89	7.27	6.65	20.88
Monrovia Canon	.....	4.25	7.56	1.82	0.77	0.05	0.00	T.	0.06	2.21	0.41	1.71	.....
Montague	0.39	0.22	0.80	0.88	0.78	0.42	0.83	0.29	0.26	0.70	3.48	2.62	11.67
Morongo Valley	1.05	5.10	2.81	0.03	0.21	0.00	0.00	0.39	0.03	0.39	0.00	0.34	10.35
Mountain Springs	0.86	6.45	7.85	1.85	1.00	.....	.....	0.00	0.15	2.80	0.75	1.30	.....
Mount Tamalpais	0.38	1.43	4.23	2.48	0.00	0.24	0.00	0.00	0.34	2.09	5.74	6.88	23.81
Mount Wilson	0.84	6.95	10.12	1.70	0.08	0.00	T.	T.	0.03	2.25	2.08	1.73	25.78
Mouth San Antonio Canyon	1.17	5.98	10.92	1.52	0.34	0.00	0.00	0.00	0.10	2.84	1.16	1.58	25.61
Napa	0.39	1.03	3.53	1.54	0.00	0.18	0.00	T.	0.15	1.91	4.56	6.19	19.48
Needles	1.41	1.85	0.11	0.00	0.24	0.48	0.10	0.10	T.	0.39	T.	T.	4.68
Nellie	2.54	12.68	14.72	3.42	0.92	0.00	0.00	0.00	0.00	4.08	0.52	3.20	42.08
Nevada City	1.31	3.37	11.85	6.12	T.	0.34	0.12	0.59	0.51	5.87	12.44	13.34	55.86
Newman	0.21	0.47	2.95	0.35	0.00	0.05	0.00	0.03	0.00	0.85	1.78	2.26	8.95
Nicolaus	0.64	0.96	4.19	1.34	0.00	0.00	0.15	T.	T.	1.57	4.48	4.97	18.30
North Bloomfield	1.24	3.54	11.01	5.00	0.00	0.43	T.	0.54	0.69	5.47	11.07	13.29	52.28
North Fork	1.01	4.85	10.31	4.67	0.00	0.10	0.00	0.34	0.00	3.98	2.93	6.07	34.26
Oakdale (near)	0.43	1.13	5.12	1.02	0.00	0.18	0.00	0.22	T.	3.50	2.16	3.46	17.22
Oak Grove	.....	4.18	6.39	0.15	0.26	0.00	0.00	0.35	0.00	0.18	0.08	.....	.....
Oakland	1.04	0.86	3.94	2.13	T.	0.28	0.00	T.	0.27	1.87	2.86	7.40	20.65
Ojai[1]	0.60	3.50	6.97	1.25	0.05	0.02	0.03	0.01	T.	0.42	1.28	1.00	15.13
O'Melveny Camp	0.81	7.44	10.09	1.60	0.48	0.00	T.	T.	0.02	2.38	1.00	1.50	25.32
Opid Camp	0.86	10.65	15.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orland	0.14	0.90	2.55	1.44	0.00	0.12	0.05	0.12	T.	1.04	4.43	4.48	15.27
Orleans	1.55	1.09	6.14	4.27	0.31	2.04	0.92	0.33	3.81	5.81	11.59	15.33	53.19
Oroville (near)	0.60	2.16	6.50	1.67	0.00	0.33	0.00	T.	0.04	2.37	10.65	9.39	33.71
Ozena	0.20	2.49	4.89	0.42	0.00	0.00	0.00	0.00	0.00	0.32	0.54	1.00	9.86
Palm Canon	0.93	3.48	2.57	0.18	0.38	0.00	.....	.....	.....	0.83	0.00	0.24	.....
Parkfield	1.38	2.66	4.08	0.64	0.00	0.03	0.00	0.00	0.00	1.10	1.91	1.86	13.66
Pasadena	0.51	3.59	6.25	1.37	0.19	0.00	0.00	0.00	0.08	1.02	1.15	1.46	15.62
Paso Robles (No. 1)	0.80	2.22	4.05	1.00	0.00	0.01	0.00	0.00	0.00	0.68	1.42	1.95	12.13
Paso Robles (No. 2)	0.77	2.36	3.54	0.80	0.00	0.00	0.00	0.00	0.00	0.61	1.60	2.18	11.86
Pattiway	0.31	1.62	3.86	0.35	0.00	T.	0.00	0.10	0.00	0.30	T.	1.14	7.68
Peachland	0.51	2.71	4.73	4.00	0.00	1.30	0.21	0.03	0.19	4.23	13.37	12.84	44.12
Petaluma	0.24	1.00	3.00	1.71	0.00	0.44	0.06	0.00	0.10	2.59	4.79	8.03	21.96
Piedra	0.85	3.07	6.56	6.50	0.00	T.	0.00	0.00	T.	0.95	1.03	2.20	21.16
Placerville	1.25	2.53	11.72	3.60	0.15	0.55	0.00	T.	0.22	5.89	6.93	9.85	42.69
Point Loma	0.48	2.19	2.33	0.43	0.39	0.00	0.04	0.04	0.05	0.18	0.20	0.57	6.91
Point Reyes	0.19	1.45	1.27	0.87	T.	1.16	0.07	0.06	0.14	2.03	3.24	5.64	16.12
Pomona	0.68	3.83	6.61	1.24	0.53	0.00	0.00	0.00	0.06	2.11	0.45	1.44	16.95
Porterville	1.44	2.21	4.37	0.36	0.00	0.09	T.	0.15	T.	0.65	0.53	1.28	11.08
Portola	0.42	0.91	3.81	1.32	0.00	0.00	0.00	0.07	0.07	1.27	5.00	3.38	16.25
Priest Valley	1.08	3.49	5.22	0.94	0.00	0.06	0.00	0.00	0.20	1.38	2.37	2.98	17.72
Quincy	0.52	3.40	8.54	4.57	0.11	0.35	T.	0.14	0.46	4.27	12.35	9.45	44.16
Raywood Flat	0.98	14.19	7.50	0.60	0.72	0.00	0.40	0.95	0.24	3.67	1.50	1.45	32.20
Red Bluff	0.56	1.00	3.89	1.06	T.	0.67	0.01	0.31	0.04	1.69	6.79	5.97	21.99
Redding	0.59	1.33	4.72	5.99	0.15	1.20	T.	0.08	0.05	2.80	10.12	11.40	38.43
Red Dome	0.96	7.69	11.21	.....	.....	0.00	0.00	0.84	0.15	2.37	0.27	1.43	.....
Redlands	0.68	4.26	4.84	0.89	0.61	0.00	0.00	0.00	0.21	1.30	0.22	1.07	14.08
Reedley	1.20	3.84	4.54	1.20	0.00	0.00	0.00	0.15	0.00	0.80	2.44	1.78	15.95
Rio Vista	0.18	0.66	4.17	1.08	0.00	0.08	0.00	T.	0.03	1.80	3.02	4.82	15.84

[1] Formerly Ojai Valley.

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Riverside	0.75	3.34	3.65	0.65	0.68	0.00	0.00	0.00	0.06	1.05	0.18	0.77	11.13
Rocklin	0.63	0.89	6.07	1.50	0.00	T.	0.00	0.00	0.00	2.01	5.39	6.37	22.86
Rohnerville	1.89	1.48	6.57	3.73	0.03	0.73	0.25	.....	.....	.....	.....	.....	.....
Rose Mine	2.38	2.84	2.71	0.17	0.48	0.00	1.24	1.80	0.31	1.10	0.07	0.43	13.53
Ruth	0.35	1.77	6.52	7.22	T.	3.07	0.00	0.10	0.98	4.65	20.26	17.00	61.92
Sacramento	0.29	0.81	3.27	1.36	0.00	0.05	0.00	T.	0.01	1.29	3.39	4.32	14.79
St. Helena	0.43	1.15	5.37	3.91	0.00	0.31	0.00	0.00	0.17	3.60	9.50	10.02	34.46
St. John	0.26	1.09	3.78	0.76	0.00	0.16	0.00	0.13	0.00	.....	6.85	6.27	.....
Salinas	0.20	0.95	4.20	1.01	0.00	0.17	0.03	0.00	0.00	1.51	1.55	3.68	13.30
San Antonio Canon	1.07	7.83	13.23	1.33	0.45	.....	0.00	0.00	0.05	3.56	1.20	1.81	.....
San Antonio Intake	.....	5.30	14.34	1.38	0.53	0.00	0.01	T.	0.02	3.44	1.30	1.65	.....
San Bernardino	0.62	4.78	6.15	1.36	1.07	0.00	0.00	0.00	0.18	1.76	0.26	1.41	17.59
San Diego	0.43	2.87	2.46	0.47	0.44	0.02	T.	0.01	0.08	0.18	0.19	0.54	7.69
San Fernando	0.76	3.48	6.22	1.66	0.10	T.	T.	0.00	0.00	0.75	1.71	1.48	16.16
San Francisco	0.26	1.23	3.25	1.35	T.	0.04	T.	0.00	0.13	1.83	2.70	7.48	18.28
San Gabriel Intake	0.77	7.06	8.34	1.52	0.43	0.00	0.00	0.00	0.02	2.48	1.71	1.54	23.87
San Gabriel Power House	0.75	6.26	7.49	1.97	0.80	0.00	0.00	T.	0.09	2.37	0.47	1.67	21.87
San Jacinto	0.96	4.56	3.82	0.64	0.86	0.00	0.00	0.00	0.00	1.67	0.66	0.63	13.80
San Jose	0.10	1.04	3.43	0.92	T.	0.21	0.00	0.00	0.02	1.71	1.84	3.58	12.85
San Luis Obispo	0.82	2.36	4.78	1.65	T.	0.05	T.	0.03	T.	1.23	1.64	3.85	16.41
San Miguel Island	0.80	2.28	2.00	0.58	0.00	0.21	0.00	0.00	0.00	0.75	1.05	0.73	8.40
San Pedro	0.10	2.46	2.32	0.66	0.30	0.05	0.00	0.00	0.00	0.53	0.25	1.01	7.68
Santa Ana	0.78	3.81	4.13	0.60	0.77	0.01	0.00	0.00	0.14	1.22	0.48	1.22	13.16
Santa Ana River	0.71	7.51	10.05	2.04	0.91	0.00	0.08	0.00	0.37	4.56	0.97	1.88	29.08
Santa Anita Ranger Station	0.76	5.91	10.91	2.03	0.38	0.00	.....	0.04	0.03	2.60	0.04	.....	.....
Santa Barbara	0.33	5.81	4.20	0.81	0.00	0.08	0.00	T.	0.00	0.40	0.56	1.51	13.70
Santa Clara	0.19	0.99	3.54	0.86	T.	0.25	0.00	0.00	0.05	1.69	1.93	3.80	13.30
Santa Cruz	2.90	2.00	5.57	1.95	0.00	0.30	0.00	0.10	0.10	2.88	5.92	7.47	29.19
Santa Maria	0.24	1.78	4.02	1.12	0.00	0.00	0.00	0.00	0.00	0.73	0.94	1.24	10.07
Santa Monica	0.60	1.84	6.09	0.89	0.05	0.00	0.02	0.00	0.02	0.36	0.34	1.23	11.44
Santa Rosa	0.40	1.35	3.06	2.46	0.00	0.50	0.06	0.00	0.10	3.00	7.78	8.65	27.36
Seriterre	1.26	2.52	6.59	2.32	T.	0.47	T.	0.01	0.09	2.83	10.34	9.50	35.93
Seven Oaks	0.87	9.67	10.72	1.80	0.12	0.00	1.33	0.07	T.	3.28	0.73	1.48	30.07
Shield's Ranch	T.	1.00	1.50	0.85	1.00	0.25	T.	0.78	0.18	1.07	1.62	0.72	8.97
Shively	1.83	3.02	8.25	6.03	0.00	1.19	0.30	0.29	1.48	5.88	20.11	19.80	68.18
Sierra Alta Ranch	.....	11.89	.....	.....	0.76	0.00	.....	.....	.....	.....	.....	.....	.....
Sierra Madre (No. 1)	0.65	4.10	7.97	1.63	0.64	0.00	T.	0.00	0.04	1.51	0.71	1.60	18.85
Sierra Madre (No. 2)	0.53	4.26	8.28	1.19	0.55	0.00	0.00	0.00	0.04	1.57	0.59	1.53	18.54
Sierraville	0.62	1.10	5.01	2.45	0.00	0.45	0.00	0.45	0.25	1.72	4.55	2.98	19.58
Sisson	0.40	0.75	4.09	4.35	0.50	0.95	0.60	0.55	0.35	2.05	8.10	5.80	28.49
Snow Creek	0.88	4.83	5.28	.....	0.49	0.00	0.02	0.55	0.32	1.14	0.10	0.42	.....
Sonora	1.33	2.08	8.95	4.50	0.00	0.00	0.00	0.22	0.05	5.01	4.16	7.48	33.78
Spreckels	0.18	0.77	3.39	0.93	0.00	0.34	0.01	0.00	0.00	1.46	1.38	3.52	11.98
Springville (near)	1.50	3.54	12.88	5.84	0.00	0.39	0.00	0.12	0.05	2.98	1.53	6.12	34.95
Squirrel Inn	0.36	8.53	12.56	2.36	2.34	0.00	T.	0.00	0.20	5.90	1.38	2.11	35.74
Standish	0.22	1.03	1.64	1.20	0.48	0.81	0.00	0.68	0.21	0.85	1.43	1.47	10.02
Stanley-Miller Mine	1.05	6.97	13.44	0.84	0.96	0.00	0.30	0.00	T.	1.89	1.01	1.33	27.79
Stanwood	1.74	6.33	10.38	8.23	T.	0.89	0.00	0.02	0.53	2.37	.....	.....	.....
Sterling	1.16	2.13	0.08	0.00	0.07	0.00	0.06	0.96	0.05	0.02	T.	T.	4.53
Stockton	0.32	0.46	3.81	0.97	0.00	0.16	0.00	0.04	0.01	1.51	1.78	3.98	13.04
Storey	0.95	1.25	2.20	1.00	0.00	0.00	0.00	T.	0.00	1.40	1.68	1.45	9.93
Summit	2.00	4.00	11.10	6.20	T.	1.60	0.00	0.67	0.77	4.90	8.88	11.70	51.82
Tahoe	0.90	2.17	6.29	3.77	T.	1.20	0.11	0.55	0.70	4.19	5.02	7.70	32.60
Tamarack	2.00	4.87	7.49	4.54	0.66	2.80	0.12	0.87	0.95	5.44	8.90	11.43	50.07
Tejon Rancho	0.87	1.72	3.13	0.50	0.00	0.00	0.00	0.00	0.00	1.20	0.18	2.85	10.45
Three Rivers	1.21	3.21	7.68	3.67	0.00	0.07	0.08	0.32	T.	1.91	1.03	3.62	22.80
Towle	2.56	5.47	15.62	10.11	0.00	.....	.....	.....	.....	.....	.....	.....	.....
Trona	0.88	1.36	1.23	0.00	0.00	0.17	0.00	0.25	0.00	0.24	0.09	0.50	4.72
Truckee	T.	1.20	3.60	1.35	0.00	.....	.....	.....	.....	.....	.....	.....	.....
Tujunga	0.49	4.94	8.37	0.91	0.09	T.	T.	0.03	0.06	0.53	1.93	1.25	18.60
Turlock	.....	.....	.....	.....	.....	.....	.....	0.61	0.00	7.03	2.23	3.53	.....
Tustin	0.65	2.91	3.72	0.72	0.65	0.03	0.00	T.	0.03	2.37	0.30	0.87	12.25
Twin Lakes	0.45	3.57	12.32	7.85	0.60	2.05	1.08	0.75	0.76	8.31	4.37	11.27	53.38
Twin Valley	0.10	1.52	5.88	6.49	T.	0.10	T.	0.11	0.13	4.27	14.46	14.17	47.23
Two Canon Ranch	0.73	4.71	7.56	2.19	0.84	0.00	.....	0.00	0.06	2.83	0.45	1.52	.....
Ukiah	0.12	0.91	5.59	4.07	0.00	0.29	0.40	0.00	0.35	3.48	10.51	13.64	39.36
Upper Mattole	1.42	3.96	9.83	5.69	0.00	2.68	0.18	0.69	2.80	10.04	28.50	22.06	87.85
Vacaville	0.37	0.63	4.64	2.16	0.00	0.03	0.00	T.	0.05	1.81	5.68	6.79	22.16
Valyermo	1.03	3.10	2.51	0.00	T.	0.00	0.02	0.00	0.00	0.05	0.20	0.53	7.44
Visalia	0.73	2.25	3.74	0.72	0.00	0.00	0.00	0.08	0.08	0.47	0.70	1.53	10.30
Voltaire	0.66	5.71	5.93	0.09	0.00	0.03	T.	0.00	T.	0.32	1.41	0.92	15.04
Walnut Creek	0.75	0.69	4.12	2.10	0.00	0.10	0.00	0.00	T.	1.32	2.25	5.57	16.90
Warner Springs	0.82	5.19	3.60	0.33	0.54	0.00	0.23	0.62	0.03	1.29	0.37	0.59	13.61
Wasco	0.65	2.71	2.51	0.03	0.00	0.02	0.00	0.00	0.00	0.16	0.33	0.14	6.55
Wasioja	0.10	2.60	5.07	0.68	0.00	T.	0.00	0.00	0.00	T.	0.75	.....	.....
Watsonville	1.33	1.41	6.49	1.93	0.00	0.11	0.00	0.00	0.00	2.36	3.26	6.15	23.04
Weaverville	0.55	0.82	3.97	4.07	0.39	1.39	0.33	T.	0.48	2.41	14.12	12.41	40.94
West Branch	0.98	5.44	12.83	8.08	0.00	0.74	0.00	0.14	0.78	6.44	25.33	18.87	79.63
West Point	1.14	3.33	11.09	4.50	T.	1.35	0.00	0.88	0.18	5.94	7.29	9.21	44.91
Whitewater Canon	0.96	3.66	3.44	0.20	0.50	0.00	0.00	0.13	0.14	1.33	T.	0.72	11.08
Whitewater Ranch	0.75	3.05	3.07	0.12	0.39	0.00	0.00	0.25	0.25	1.15	0.00	0.15	9.18
Willows	0.22	0.95	1.95	0.49	T.	0.16	0.04	0.02	0.01	0.93	5.60	5.17	15.54
Wilson Toll House	0.58	3.71	7.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wrights	1.40	3.02	12.93	16.55	0.00	0.95	0.00	0.40	0.15	5.55	32.23	23.47	96.65
Yorba Linda	0.46	4.08	4.36	0.64	0.41	0.00	0.00	0.00	0.05	1.00	0.25	1.08	12.33
Yosemite	1.63	2.82	6.70	4.52	0.22	0.74	0.00	1.36	0.54	4.79	4.59	5.21	33.12
Yreka	0.60	0.22	1.28	1.25	0.74	0.60	1.00	0.32	0.13	0.90	6.03	4.43	17.50
Colorado.													
Akron	0.35	0.17	0.90	3.30	1.98	4.89	4.72	1.45	1.80	0.44	0.47	0.90	21.37
Ames	0.74	2.10	4.80	3.83	1.19	0.62	2.04	1.77	2.42	4.31	1.21	2.21	27.24
Ashcroft	0.58	2.08	2.36	3.68	.....	0.74	1.54	1.97	1.42	1.40	.....	1.09	.....
Auldhurst	0.59	0.65	0.71	3.09	1.76	1.14	2.55	4.22	0.85	0.25	0.01	0.50	16.32
Bennett	.....	.....	.....	1.03	1.68	2.28	2.12	1.53	T.	0.92	.....	.....	.....
Boulder	1.22	1.39	0.58	4.07	1.61	1.87	0.68	2.55	0.73	2.43	0.72	0.85	18.70

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Colorado—Continued.													
Buena Vista	0.25	0.13	0.00	1.45	1.30	0.62	1.80	1.94	0.00	1.24	1.22	0.26	10.21
Burlington	0.00	0.13	0.19	3.63	1.75	2.60	3.04	2.98	2.40	2.06	0.03	0.70	19.51
Byers	0.39	0.32	0.14	2.00	2.61	2.06	2.08	1.77	0.12	.....	0.28	0.55	.....
Calhan	1.06	0.47	0.71	3.16	1.59	1.48	1.68	2.42	0.65	1.54	0.15	0.24	15.15
Canon City	0.38	0.80	0.34	1.72	1.73	0.74	1.29	2.11	0.44	1.30	.....	0.55	.....
Cascade	1.64	1.88	2.81	2.15	1.40	1.06	0.46	3.10	1.40	4.63	1.20	1.35	23.08
Castle Rock	.....	.....	.....	.....	.....	2.65	2.00	2.84	0.47	1.78	0.14	0.53	.....
Cathedral	0.10	0.97	0.92	1.12	1.72	0.76	1.51	1.45	1.24	.....	.....	.....	.....
Cedaredge	0.21	1.21	0.96	0.96	2.16	0.45	0.00	0.75	1.09	.....	.....	0.50	.....
Cheesman	0.60	0.60	0.80	3.57	0.76	0.78	2.73	2.31	0.26	1.49	0.15	0.83	14.88
Cheyenne Wells	0.06	0.30	0.30	2.55	2.37	2.48	4.59	4.75	0.57	1.81	0.10	1.00	20.88
Collbran	0.10	1.13	2.06	1.93	1.90	0.27	0.52	.....	.....	.....	.....	.....	.....
Colorado Springs	0.54	0.52	0.10	0.37	2.70	1.96	1.96	2.21	0.57	1.59	0.28	0.21	13.01
Columbine	0.87	1.74	4.22	4.95	2.40	0.76	1.23	2.26	2.26	2.32	1.72	2.23	26.96
Columbine Ranch	0.81	4.03	1.75	3.23	1.08	0.52	0.55	2.70	2.07	2.86	.....	1.52	.....
Crawford	0.25	.....	0.42	0.90	0.47	0.35	.....	0.50	1.75	1.56	0.33	0.36	.....
Crested Butte	2.10	2.60	1.90	6.10	1.60	0.81	1.40	1.45	0.90	1.51	0.37	1.85	22.59
Cuchara Camps	0.40	1.68	1.73	2.98	3.98	1.47	1.83	4.53	1.57	5.91	0.26	1.97	28.31
Cumbres	2.35	6.94	4.43	4.47	1.59	0.78	0.60	2.04	0.11	2.74	0.31	1.63	27.99
Del Norte	T.	0.41	0.40	0.51	0.76	0.25	0.51	2.30	0.67	1.32	0.29	0.16	7.58
Delta	0.26	0.40	0.56	0.45	1.77	0.31	0.06	0.81	0.89	1.23	0.32	0.73	7.79
Denver	0.64	0.48	0.62	2.56	1.68	0.65	0.45	1.27	0.06	0.87	0.08	0.45	9.81
Dilly Ranch	.....	.....	.....	.....	.....	1.24	2.60	2.53	0.33	2.65	0.75	1.01	.....
Dillon	0.85	1.41	1.11	4.11	0.61	0.38	1.31	1.52	1.48	1.47	2.22	1.32	17.79
Dolores	1.95	2.40	2.47	2.06	2.20	1.38	0.00	1.00	0.71	3.48	0.64	1.09	19.38
Dove Creek	0.87	2.07	0.97	0.85	2.28	0.89	0.90	1.65	1.04	2.39	1.06	0.62	15.59
Durango	2.86	3.55	1.56	2.34	2.44	1.75	0.75	0.31	1.21	3.49	1.64	0.82	22.72
Eads	T.	T.	T.	0.72	2.41	2.31	1.26	4.33	2.41	1.50	0.00	0.23	15.17
Edgewater	0.50	0.50	0.98	3.20	1.08	1.99	0.66	2.22	0.05	0.71	0.23	0.77	12.89
Elk Creek	0.35	0.68	0.28	3.73	1.77	2.32	2.93	2.75	1.06	1.63	0.14	1.00	18.64
Estes Park Fish Hatchery	0.80	1.86	0.37	3.59	1.21	1.06	2.78	3.02	0.91	1.09	0.64	0.91	18.24
Fairplay	.....	0.53	0.12	0.48	0.75	.....	.....	.....	.....	.....	.....	.....	.....
Flagler	0.15	0.12	0.25	2.06	1.87	4.65	2.96	3.85	1.76	2.59	0.19	0.35	20.80
Flebbe Ranch	0.44	1.22	0.82	2.58	0.52	0.50	0.60	1.10	1.10	0.55	1.01	0.50	10.94
Fort Collins	0.54	0.64	0.14	3.60	1.95	0.60	0.58	1.72	0.60	0.50	0.24	0.54	11.65
Fort Lewis	2.43	.....	.....	.....	2.08	0.85	0.56	1.14	1.56	0.95	0.34	0.46	.....
Fort Lupton	0.37	0.29	0.11	1.75	1.88	0.54	1.26	2.49	0.37	0.64	0.13	0.23	10.06
Fort Morgan	0.15	0.01	0.40	2.43	1.62	2.66	2.69	1.04	1.06	0.59	0.00	0.15	12.80
Fraser	0.53	2.04	1.92	4.27	0.72	1.43	2.70	3.19	1.99	0.69	1.65	1.77	22.90
Fremont Experiment Station	0.74	1.12	0.39	1.86	2.23	1.88	2.63	6.39	1.17	1.87	0.27	0.73	21.28
Fruita	1.26	1.52	2.21	1.40	0.47	0.22	0.07	1.02	1.23	2.32	0.43	0.51	12.66
Frys Ranch	0.47	1.42	0.43	6.12	1.46	0.71	1.72	1.58	0.32	1.05	0.30	1.38	16.96
Garfield	0.83	1.31	1.68	3.81	2.50	1.52	1.31	4.55	1.17	2.16	0.93	2.09	23.86
Garnett	0.13	0.07	T.	0.71	0.63	0.61	0.70	1.77	0.28	1.57	T.	0.25	6.72
Georgetown	.....	0.68	0.53	2.43	.....	1.95	1.45	2.92	1.15	1.05	0.24	.....	.....
Glenwood Springs	0.32	2.09	2.89	3.96	2.63	0.20	0.36	1.04	1.68	1.62	1.03	1.17	18.99
Goodpasture	0.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Junction	0.66	0.83	1.39	1.09	0.80	0.39	0.17	0.64	0.98	1.29	0.67	0.38	9.29
Grandlake	1.11	1.15	0.72	2.49	T.	T.	0.22	1.25	0.39	.....	0.82	0.80	.....
Greeley	0.15	0.09	0.03	4.43	1.42	1.26	0.48	1.20	0.88	0.68	0.06	0.16	10.84
Grover	0.30	0.19	0.65	2.84	0.75	4.19	1.62	1.82	0.88	0.55	T.	0.14	13.93
Gunnison	0.19	0.76	1.43	1.69	2.18	0.76	1.63	1.47	0.50	0.38	0.08	0.79	11.86
Hamps	0.16	0.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hartsel	0.18	0.14	0.10	0.74	1.27	0.89	5.03	2.63	0.58	0.75	0.14	0.22	12.67
Hawthorne	1.16	1.39	0.54	6.27	1.57	2.83	1.57	3.06	0.48	2.95	0.55	1.26	23.63
Haxtun	0.00	.....	0.63	6.71	1.04	3.08	0.91	3.29	.....	0.95	.....	0.28	.....
Hayden	.....	.....	.....	3.23	2.00	0.85	0.48	1.39	1.48	1.33	1.55	1.35	.....
Hermit	0.85	1.82	1.80	2.25	3.15	2.90	2.62	1.28	2.76	.....	.....	0.32	.....
Holly	.....	.....	0.01	1.25	1.74	1.40	1.89	4.50	3.80	.....	0.05	0.02	.....
Holyoke	0.00	0.40	0.25	4.49	1.34	3.45	0.57	3.81	.....	.....	.....	.....	.....
Hoyt	.....	.....	.....	.....	.....	.....	4.64	1.45	1.02	0.72	0.12	0.28	.....
Huerfano	0.49	0.91	0.96	3.54	2.14	0.87	1.19	3.54	0.97	4.25	0.51	0.09	19.46
Idaho Springs	0.29	0.54	0.12	3.86	0.48	1.54	1.79	2.89	1.01	1.25	0.13	0.57	14.47
Ignacio	1.65	2.31	1.29	0.78	2.23	1.24	0.43	1.43	0.87	1.67	1.10	0.53	15.53
Ironton	0.41	1.47	4.43	3.10	1.81	1.32	.....	.....	.....	.....	.....	.....	.....
Jefferson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.36	.....	.....
Julesburg	0.12	0.38	0.47	4.56	1.23	4.33	1.60	4.40	0.09	0.76	0.04	0.44	18.42
Kassler	0.71	1.03	0.55	3.27	1.31	1.31	3.25	4.02	0.60	2.12	0.24	0.71	19.12
La Junta	0.16	0.31	0.07	1.78	1.97	1.23	3.84	0.69	0.55	1.79	0.08	0.42	12.89
Lake Moraine	0.90	1.08	0.87	2.55	2.62	2.18	3.42	5.80	1.04	1.22	0.10	0.44	22.22
Lamar	.....	.....	.....	0.89	1.95	2.25	1.72	3.42	1.56	1.04	0.01	0.77	.....
La Porte	0.60	0.73	0.06	6.18	3.07	0.15	0.83	2.65	1.07	0.20	0.63	0.77	16.94
Las Animas	0.02	0.05	0.30	2.47	1.47	0.61	2.34	0.44	1.03	1.66	0.12	0.38	10.89
La Veta Pass	0.23	0.78	0.78	1.28	2.41	0.74	1.86	2.96	0.40	3.05	0.06	3.30	17.85
Lay	1.30	0.77	1.51	3.13	1.15	0.15	0.64	1.53	1.20	1.50	1.82	0.80	15.50
Leadville	0.78	1.84	2.03	4.11	1.35	0.57	4.20	3.78	1.02	1.24	1.16	1.40	23.48
Leroy	0.09	0.19	0.60	6.25	1.64	4.44	0.90	2.38	0.44	1.03	0.05	0.57	18.58
Limon	0.30	0.02	T.	2.10	1.55	3.68	3.20	2.07	1.20	0.82	T.	T.	14.94
Long Branch	.....	.....	0.25	0.67	1.41	1.24	1.73	4.08	1.05	1.74	0.15	0.14	.....
Longmont	0.37	0.58	0.27	5.20	0.78	1.04	0.40	1.82	1.06	0.78	0.17	0.35	12.82
Longs Peak	1.15	2.69	0.52	7.85	T.	0.30	3.83	2.09	0.31	1.33	0.53	2.64	23.24
Lost Creek	1.74	1.45	1.88	3.15	2.20	0.48	1.85	.....	.....	.....	.....	.....	.....
Madrid	0.14	0.57	0.40	1.00	1.44	2.08	1.77	2.52	1.90	3.55	0.22	0.44	16.03
Manassa	0.32	0.19	0.33	0.45	1.28	0.74	0.20	0.77	0.57	.....	0.58	0.33	.....
McClave	0.02	0.02	0.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meeker (near)	0.24	0.58	1.85	2.74	1.41	0.62	0.79	1.20	1.32	1.92	2.32	0.64	15.63
Montrose	0.06	0.26	0.53	2.09	1.66	0.42	0.17	1.25	0.86	1.70	0.17	0.91	10.08
Monument	0.70	0.88	0.69	5.63	2.09	3.35	1.03	3.57	0.49	1.76	0.29	1.01	21.49
Morrison	.....	.....	.....	6.37	0.74	1.61	1.65	2.57	0.05	1.66	0.72	0.41	.....
Nast	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.42	2.04	.....
North Lake	0.02	2.28	0.26	1.06	1.12	0.42	3.90	.....	.....	.....	.....	.....	.....
Ordway	.....	.....	.....	.....	.....	.....	1.43	2.45	1.64	1.87	0.08	0.42	.....
Palisade Lake	2.20	3.92	3.70	2.95	4.80	3.22	1.68	2.57	2.13	4.96	3.05	2.05	37.23
Palisades	.....	.....	3.16	.....	.....	.....	.....	.....	.....	.....	.....	0.31	.....
Paonia	0.95	1.13	2.74	3.55	2.49	0.28	1.60	1.25	1.66	2.45	0.77	0.95	19.82
Peetz	0.00	0.13	0.05	5.26	4.28	5.31	0.99	1.70	0.44	.....	.....	0.46	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Colorado—Continued.													
Pitkin	0.44	1.90	2.02	2.02	2.47	1.67	1.88	1.60	1.52	0.73	0.43	1.61	18.29
Platoro	1.34	5.40	3.95	3.95	2.59	1.38	2.03	2.36	2.00	.....	.....	.....	.....
Pueblo	0.29	0.39	0.15	0.86	1.26	0.47	1.62	1.89	1.33	0.91	0.28	0.38	9.83
Pyramid	1.07	1.83	3.68	5.06	2.23	0.63	1.18	2.01	2.21	1.85	2.43	2.85	27.03
Redvale	0.72	1.44	1.47	2.28	1.52	0.71	1.27	0.50	1.59	2.48	0.65	[illegible]	16.34
Rico	1.44	2.80	4.69	2.02	2.99	1.53	2.56	2.50	3.41	2.95	0.95	[illegible]	28.84
Rifle	0.64	0.80	2.05	1.85	2.00	0.12	0.12	1.30	1.58	1.70	0.58	0.[illegible]	13.01
Rocky Ford	0.10	0.21	T.	1.60	1.35	0.82	3.07	0.85	0.65	1.75	0.00	0.05	10.45
St. Elmo	0.51	1.24	1.51	2.76	1.37	1.70	1.56	2.36	1.64	1.91	0.61	1.28	18.45
Saguache	0.05	0.10	0.02	1.15	1.95	0.70	1.65	3.12	0.88	0.96	0.43	0.62	11.63
Salida	.....	0.13	T.	1.28	1.43	0.00	1.87	1.74	0.00	.....	1.30	.....	.....
San Luis	.....	T.	0.02	0.20	2.00	1.07	1.46	1.34	0.56	3.88	0.11	0.77	.....
Sapinero	1.00	1.82	4.03	5.13	2.05	0.68	1.33	1.08	2.00	1.49	1.26	1.89	23.76
Savage Basin	1.29	3.76	4.41	6.26	1.62	0.46	1.20	3.10	2.77	4.83	2.75	5.38	37.83
Sedgwick	0.11	0.20	0.41	4.63	2.19	4.17	2.51	3.23	0.25	0.93	0.00	0.51	19.14
Shoshone	0.58	1.98	1.72	2.27	1.70	0.19	0.35	0.97	0.30	1.31	0.81	0.91	13.09
Silver Lake	2.01	3.20	1.66	11.65	0.85	4.09	3.44	4.84	1.90	1.76	3.56	1.36	40.26
Silverton	0.71	1.64	3.31	1.53	2.13	2.41	1.45	1.10	1.28	2.00	1.88	1.29	20.73
Simpson	.....	.....	.....	.....	.....	3.25	2.37	3.19	0.97	0.63	0.15	0.35	.....
Spicer	0.20	1.33	1.08	3.61	0.08	0.04	0.10	1.28	0.13	1.21	0.53	1.00	10.59
Steamboat Springs	0.96	1.76	3.61	5.13	2.69	0.66	2.03	1.64	0.85	2.43	2.71	2.79	27.26
Sterling	0.34	0.28	0.94	4.03	1.25	2.89	1.26	1.65	0.70	0.82	0.02	0.56	14.74
Tacoma	1.93	1.83	2.35	2.29	2.39	0.89	1.30	1.72	2.14	1.75	1.78	0.50	20.87
Telluride	0.45	0.95	2.26	2.43	2.60	1.01	1.33	2.35	2.05	2.57	0.74	1.19	19.93
Terminal Dam	2.34	2.65	2.60	3.20	2.50	2.31	1.58	2.50	2.56	3.96	1.68	1.20	29.08
Trinidad	0.42	0.71	0.73	2.18	1.28	1.87	1.78	3.17	0.76	4.25	0.27	0.88	18.30
Trout Lake	1.15	2.42	5.12	3.24	3.44	1.86	2.37	4.10	3.52	3.79	1.70	2.57	35.28
Two Buttes Reservoir	0.10	T.	0.12	1.08	1.84	1.75	2.38	1.46	2.08	1.00	0.10	T.	11.91
Utleyville	.....	.....	.....	2.81	2.36	1.28	1.33	0.90	1.13	1.86	0.90	0.23	.....
Victor	0.96	0.98	0.57	1.33	1.33	1.55	3.90	4.96	1.21	0.30	0.01	0.47	17.57
Wagon Wheel Gap (Experiment Station)	0.42	1.20	1.48	1.78	1.95	0.85	2.16	1.08	1.64	2.52	1.41	1.05	17.54
Wagon Wheel Gap (River Valley)	0.47	1.89	1.20	1.43	0.30	0.75	.....	.....	.....	.....	.....	.....	.....
Waterdale	.....	.....	.....	2.59	1.81	1.08	0.90	2.54	0.71	0.89	2.25	.....	.....
Westcliffe	0.22	0.35	0.26	2.41	1.79	0.26	2.77	2.85	0.32	1.23	0.13	0.58	13.17
Willard	0.46	0.18	0.10	3.41	2.11	3.37	1.92	2.11	0.66	0.53	0.49	0.65	15.99
Wray	0.05	0.30	0.18	5.70	2.28	5.28	1.24	4.74	1.56	1.55	T.	0.29	23.17
Yuma	0.33	0.25	0.66	4.07	1.49	4.59	1.71	4.15	0.97	1.34	0.17	0.80	20.53
Connecticut.													
Bridgeport	2.94	4.51	4.72	5.25	4.14	5.13	3.06	4.01	4.77	1.35	4.93	5.75	50.56
Canton	2.71	3.19	4.23	4.99	3.87	9.13	5.10	2.74	9.16	0.52	5.68	6.02	57.34
Colchester	3.37	4.11	5.11	5.89	4.51	7.44	5.01	4.10	6.22	1.34	5.89	6.37	59.36
Cream Hill	2.78	4.42	3.47	5.46	3.14	5.76	4.89	5.44	6.03	3.17	5.67	5.77	56.00
Hartford	3.39	5.08	3.75	5.43	3.53	8.00	6.70	3.45	7.95	0.90	6.43	6.35	60.96
New Haven	2.80	4.78	4.42	5.62	4.22	6.62	4.93	2.69	5.15	0.79	5.14	6.06	53.22
New London	2.70	4.12	4.25	5.15	3.16	6.24	3.33	5.26	2.35	1.34	5.23	5.29	48.42
North Grosvenor Dale	3.60	6.07	4.32	5.93	4.79	7.73	2.99	5.34	5.04	3.95	5.18	5.98	60.92
Norwalk	2.74	6.36	4.77	4.87	4.20	4.99	4.87	6.66	7.56	1.33	3.56	5.58	57.49
Southington	2.80	3.90	3.95	5.25	3.60	5.70	5.65	3.30	6.10	1.70	3.23	6.90	52.08
Torrington	1.82	4.71	6.03	5.15	4.90	7.26	4.17	5.58	9.77	0.78	5.78	5.58	61.53
Voluntown	3.12	5.02	4.46	4.04	3.12	.....	.....	3.31	3.83	.....	.....	.....	.....
Waterbury	3.69	10.00	4.10	5.79	3.18	7.13	7.43	4.27	5.25	0.74	4.50	5.67	61.75
Delaware.													
Delaware City	1.92	3.66	3.23	3.65	2.19	5.15	4.24	.....	3.56	0.75	3.59	3.48	.....
Dover	2.50	4.83	4.36	4.66	2.67	7.14	4.85	7.35	2.85	1.22	6.03	3.15	51.61
Milford	3.56	5.62	4.41	3.70	2.84	6.86	4.11	6.96	1.14	1.46	7.27	3.50	51.43
Millsboro	3.56	8.57	3.60	3.77	1.32	3.61	4.23	9.45	2.34	1.25	6.58	3.85	52.13
Seaford	3.83	6.35	3.84	3.92	1.87	5.18	7.96	8.79	2.45	1.37	7.88	2.85	56.29
Wilmington	2.32	3.64	3.75	3.88	2.90	5.48	3.96	8.12	4.86	0.38	3.95	4.29	47.53
District of Columbia.													
Washington (Weather Bureau)	2.30	3.47	2.39	4.69	1.42	4.80	5.71	4.70	2.87	0.40	4.51	3.15	40.41
Washington (Howard University)	.....	.....	.....	.....	1.79	5.20	5.38	5.88	2.75	0.45	4.48	3.65	.....
Florida.													
Apalachicola	4.05	2.95	2.68	8.46	2.99	2.86	1.44	5.32	8.46	0.46	4.72	5.92	50.31
Arcadia	0.80	2.09	0.82	5.84	1.79	4.73	10.74	5.53	8.25	3.00	3.94	2.42	49.95
Archer	2.95	5.00	0.76	7.67	4.71	.....	.....	.....	.....	.....	.....	.....	.....
Avon Park	1.73	2.44	0.76	7.57	1.58	7.40	13.65	2.03	8.01	2.36	3.67	2.25	53.45
Bartow	1.66	3.73	0.54	9.70	3.05	7.01	7.31	10.84	7.95	2.50	2.87	1.87	59.03
Blountstown	5.29	5.98	3.13	6.91	3.91	4.98	4.64	.....	.....	.....	4.31	4.46	.....
Bonifay	4.52	5.63	1.93	11.25	4.40	6.49	5.62	10.93	3.02	1.50	4.00	7.76	67.05
Bradentown	2.07	4.50	0.52	9.82	2.20	5.57	12.79	5.76	9.32	0.31	6.81	1.73	61.40
Brooksville	1.81	2.98	0.99	5.33	2.28	13.28	8.50	6.08	8.31	0.37	5.14	2.70	57.77
Carrabelle	5.85	3.84	2.15	6.69	3.15	1.98	3.70	2.68	9.42	0.32	4.30	6.96	51.04
Cedar Keys	1.80	3.30	0.50	6.20	3.50	2.40	4.65	9.00	14.60	0.40	4.90	5.25	56.50
Clermont	2.25	4.13	0.60	7.08	5.09	11.25	4.88	9.33	8.73	0.00	1.91	1.93	57.18
Crescent City	2.47	8.90	0.51	4.00	6.80	10.19	11.75	5.65	8.40	0.07	3.12	3.17	65.03
Davie	0.51	2.61	2.07	5.98	3.13	4.70	5.81	7.83	10.56	6.73	5.41	1.45	56.79
De Funiak Springs	7.65	5.43	3.72	9.25	10.00	9.94	5.76	14.39	5.11	2.85	5.39	7.79	87.28
De Land	2.68	8.81	1.09	4.94	4.66	7.51	7.86	4.29	7.09	0.25	4.53	1.04	54.75
Eustis	1.55	4.28	0.99	5.33	5.72	7.10	6.89	4.32	5.42	1.41	6.12	1.86	50.99
Federal Point	2.87	13.52	1.31	3.79	8.01	7.95	6.10	3.53	7.69	0.79	2.37	3.39	61.32
Fellsmere	1.65	1.89	0.85	6.34	1.75	8.88	6.38	7.71	9.12	1.88	3.17	0.80	50.42
Fenholloway	3.21	6.44	.....	.....	.....	.....	.....	.....	.....	.....	6.65	7.19	.....
Fernandina	1.85	7.00	1.72	4.20	5.77	5.03	3.60	4.92	7.74	0.40	6.05	3.50	51.78
Fort Lauderdale	1.60	2.86	0.41	3.88	6.38	4.26	3.83	4.31	8.48	6.02	5.51	1.09	48.63
Fort Meade	1.90	3.52	0.68	9.45	2.50	4.11	11.32	.....	.....	.....	.....	.....	.....
Fort Myers	0.22	3.14	0.39	4.29	1.14	8.40	15.22	5.84	6.98	3.00	3.47	1.19	53.28
Fort Pierce	7.38	1.97	2.13	4.22	4.50	2.83	5.91	5.32	9.67	4.09	3.50	0.78	52.30

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Florida—Continued.													
Gainesville	3.19	6.61	1.01	8.24	5.52	5.99	7.00	5.73	11.36	0.34	4.86	3.86	63.71
Garniers (near)	7.25	5.43	3.39	9.38	6.17	4.14	4.91	12.39	6.20	3.53	4.30	5.60	72.69
Glen St. Mary	1.14	6.80	0.85	5.25	4.65	6.34	7.80	5.95	10.20	0.25	3.75	3.60	56.58
Griffin	2.06	2.84	0.85	5.15	6.76	7.17	5.17	4.60	9.74	9.39	4.59	1.68	60.00
Hilliard	1.34	7.69	1.96	8.73	4.63	4.98	8.18	8.06	10.23	0.26	3.89	4.88	64.83
Homestead	1.11	2.15	0.80	1.57	14.90	2.97	11.63	2.99	14.52	5.64	4.44	1.95	67.67
Hypoluxo	2.82	5.12	3.69	5.09	4.39	4.91	10.27	4.66	8.55	8.86	3.77	1.19	63.32
Inverness	1.97	3.06	0.40	5.12	3.73	8.89	5.17	5.40	9.18	0.25	4.29	3.50	50.96
Isleworth	1.17	4.35	0.27	6.69	3.97	4.23	7.54	6.90	10.75	0.00	3.22	1.98	51.07
Jacksonville (Weather Bureau)	1.21	9.16	0.82	3.42	7.41	8.27	5.47	7.46	7.14	0.11	5.38	3.35	59.20
Jacksonville (No. 2)	1.19	8.88	1.04	3.85	6.87	7.23	.....	.....	.....	.....	5.20	4.03	.....
Jasper	2.23	6.47	1.65	9.97	4.82	3.92	9.00	6.60	5.60	1.00	4.50	5.82	61.58
Johnstown	0.67	.....	.....	.....	5.89	5.33	8.44	5.41	.....	T.	1.48	4.38	.....
Jupiter	.....	.....	.....	.....	.....	.....	.....	.....	.....	9.93	3.17	0.73	.....
Key West	0.07	1.38	0.58	3.36	3.18	3.41	0.54	5.15	11.89	2.25	1.97	0.92	34.70
Kissimmee	.....	.....	.....	.....	.....	.....	10.14	7.46	9.55	0.98	3.35	.....	.....
Lake City	1.31	7.68	0.96	7.26	6.78	4.60	4.34	7.31	12.29	0.83	4.37	5.27	63.00
Lakeland	1.12	4.02	1.28	6.66	3.50	11.86	4.96	7.55	8.43	1.21	4.34	1.16	56.09
Live Oak	.....	.....	.....	.....	5.06	4.64	6.15	9.17	8.09	0.79	5.48	6.13	.....
Lock No. 1	0.52	1.98	0.83	4.12	7.85	5.55	7.20	9.23	9.38	3.98	6.12	0.90	57.66
Long Key	1.41	1.61	0.31	3.38	7.83	2.50	1.31	5.29	12.60	3.53	3.40	1.01	44.18
Lynne (near)	6.18	6.33	0.85	3.67	8.00	7.27	4.75	6.66	7.60	0.06	2.52	2.95	56.84
Madison	2.14	5.56	2.03	8.94	4.87	6.71	4.45	6.72	5.62	1.20	4.69	8.28	61.21
Malabar	1.85	3.49	0.38	6.60	3.81	5.75	7.55	3.18	7.92	2.76	3.33	2.33	48.95
Marianna	5.89	6.54	2.82	7.91	7.83	4.45	4.97	6.80	2.66	1.30	3.59	7.15	61.93
McDonald	1.80	3.77	0.33	6.91	3.60	5.53	5.16	6.36	8.45	0.09	4.30	2.23	48.53
Melrose	3.23	10.02	0.84	6.71	6.90	7.15	4.43	10.26	10.11	0.29	4.97	3.84	68.75
Merritts Island	3.26	8.59	0.69	6.19	4.68	3.50	13.88	1.91	9.85	2.02	4.47	1.81	60.85
Miami (Weather Bureau)	0.41	1.60	0.06	3.15	10.33	3.90	6.61	4.12	6.94	5.04	3.73	1.72	47.61
Miami (No. 2)	0.60	1.51	0.11	3.48	9.94	4.92	5.25	5.75	8.89	4.84	3.38	2.18	50.85
Middleburg	1.38	10.72	1.15	5.02	6.79	10.13	8.22	3.17	6.74	0.10	4.21	3.82	61.45
Monticello	4.69	5.44	2.63	8.26	3.50	4.45	7.05	6.88	3.89	3.72	3.75	9.56	63.82
Moore Haven	2.10	2.59	0.53	5.13	3.05	6.84	15.21	4.51	3.18	2.72	4.54	0.63	51.03
Mount Pleasant	5.24	4.81	3.86	7.76	4.25	3.44	3.91	10.33	3.28	1.10	4.36	8.43	60.77
New Smyrna	3.41	14.40	0.75	3.62	3.78	9.78	4.33	4.16	10.61	2.58	4.33	2.49	64.24
Ocala	2.11	6.08	0.69	5.75	6.37	6.17	6.56	10.40	7.36	0.12	3.98	3.23	58.82
Okeechobee	.....	.....	.....	.....	2.91	4.67	9.62	3.72	9.70	.....	.....	.....	.....
Old Town	2.27	4.85	0.57	8.87	7.07	9.08	5.97	8.63	.....	.....	.....	.....	.....
Orange City	2.54	8.59	0.58	4.18	5.49	7.79	6.20	6.72	7.53	0.76	3.74	1.22	55.34
Orlando	1.08	4.85	0.72	6.72	6.67	5.89	7.49	5.35	13.96	1.55	3.62	2.23	60.13
Pensacola	5.51	3.18	1.31	8.63	4.81	4.39	6.74	11.56	12.53	2.27	3.08	5.58	69.59
Pinellas Park	2.71	2.51	0.74	9.14	2.51	8.19	11.65	7.46	9.76	0.59	3.29	2.25	60.80
Punta Gorda	0.97	2.52	T.	8.70	3.05	5.41	11.33	8.79	4.50	1.69	6.24	1.80	55.00
Quincy	5.22	5.06	2.66	6.27	4.32	1.99	5.10	5.83	2.08	2.20	4.04	7.13	51.90
Ritta	0.18	.....	3.40	3.57	1.61	.....	9.22	4.08	5.72	1.20	2.89	1.84	.....
St. Andrews	7.50	5.50	3.83	5.71	7.11	3.04	5.40	5.29	3.57	3.30	4.10	6.62	60.97
St. Augustine	4.00	21.50	1.76	4.49	6.36	10.22	3.20	3.01	10.52	0.75	2.90	3.10	71.81
St. Cloud	0.64	8.20	0.10	6.69	3.44	5.26	8.42	5.97	6.24	1.21	4.31	.....	.....
St. Leo	2.28	3.18	0.84	4.49	2.68	7.79	10.64	5.05	8.56	0.30	2.82	1.68	50.31
St. Petersburg	1.77	2.74	0.61	9.09	3.86	4.95	12.28	8.31	8.23	0.61	3.49	1.48	57.42
Sanford	2.09	6.48	0.71	5.03	5.18	6.54	7.36	8.99	6.97	1.40	3.22	2.17	55.24
Sand Key	.....	.....	.....	5.39	2.26	0.84	0.50	2.61	9.49	0.37	2.73	1.25	.....
Satsuma Heights	3.66	11.08	0.68	2.97	7.24	8.60	7.75	6.85	6.96	1.08	2.18	3.86	62.91
Switzerland	1.87	7.57	0.88	4.47	6.01	7.09	9.82	6.32	3.02	0.53	2.78	2.70	53.06
Tallahassee	3.96	4.42	2.35	7.95	4.79	4.22	8.12	9.75	6.63	1.49	2.86	6.01	62.55
Tampa	2.70	3.10	0.60	8.04	1.49	4.49	12.20	5.66	6.49	0.12	3.07	1.46	49.42
Tarpon Springs	0.65	2.04	0.66	5.60	5.99	6.15	7.34	7.74	9.69	0.97	5.57	2.03	54.43
Titusville	1.66	10.60	0.46	4.74	3.40	7.28	10.19	13.26	8.57	0.83	6.92	2.04	69.95
Wausau	5.69	4.64	2.15	11.26	4.12	6.13	6.14	8.96	3.11	3.70	3.29	6.03	65.22
Georgia.													
Abbeville	4.20	5.57	6.47	7.35	3.45	3.00	4.40	3.82	3.16	1.36	3.59	5.28	51.65
Adairsville	7.54	5.02	5.40	10.00	6.31	3.98	9.85	10.63	2.16	0.57	3.55	.....	.....
Alapaha	2.85	5.22	4.37	7.74	3.15	4.50	2.11	3.39	6.89	1.30	5.22	6.35	53.09
Albany	3.49	6.94	5.71	10.41	3.62	3.04	4.55	4.74	1.54	0.54	3.92	6.06	54.56
Americus	4.52	5.86	6.97	8.72	5.61	3.21	4.96	8.05	1.16	0.47	1.84	5.16	56.53
Athens	5.16	3.83	8.22	3.96	4.86	0.69	3.31	7.18	2.50	0.30	2.04	4.48	46.53
Atlanta	7.69	5.67	10.96	5.32	4.58	3.47	5.95	10.02	3.36	0.54	3.33	4.36	65.24
Augusta	4.30	3.40	9.15	4.94	2.13	3.22	7.20	4.87	6.49	1.01	3.80	2.64	53.15
Bainbridge	4.14	4.41	3.40	8.42	4.71	7.58	4.88	7.27	4.88	1.18	4.42	7.36	62.65
Blakely	4.16	5.18	5.56	10.79	4.55	4.85	3.45	8.82	1.79	1.80	3.36	6.94	61.25
Blue Ridge	.....	.....	8.91	12.10	3.31	3.88	9.86	11.45	3.46	0.80	4.81	9.38	.....
Brunswick	1.43	3.53	3.62	8.72	4.60	2.23	8.18	12.99	10.47	0.78	3.58	4.74	64.87
Butler	3.62	5.03	5.20	6.24	4.41	3.84	3.79	5.10	5.15	2.19	3.16	4.70	52.43
Canton	6.70	6.04	7.94	7.83	4.86	3.71	4.37	8.15	1.52	0.85	4.29	7.45	63.71
Carlton	4.42	4.59	8.13	3.09	3.91	1.50	3.37	3.54	2.50	0.40	5.32	4.23	45.00
Clayton	.....	.....	.....	.....	2.63	3.00	6.61	.....	3.55	1.25	4.00	.....	.....
Columbus	5.69	5.39	6.08	6.25	3.70	4.31	3.04	5.06	3.95	1.30	3.12	5.21	53.10
Concord	7.30	5.49	15.33	5.01	6.04	1.25	6.44	6.02	2.33	0.72	3.27	4.83	64.03
Cornelia	6.98	3.95	8.95	9.84	3.78	4.60	4.59	9.80	2.33	0.94	4.49	6.83	67.08
Covington	6.40	3.50	8.45	4.55	5.05	1.65	6.50	7.25	4.00	0.60	3.85	3.90	55.70
Dahlonega	8.03	4.69	10.00	8.63	5.50	5.13	9.10	14.59	4.76	0.42	5.42	8.64	84.91
Dublin	3.95	3.63	5.34	5.63	7.29	2.71	4.66	7.24	1.37	1.07	2.80	4.02	49.71
Eastman	4.61	6.13	6.70	7.79	5.61	3.09	5.94	6.28	3.73	1.43	3.73	5.17	60.21
Eatonton	5.31	3.34	9.97	5.96	5.70	1.24	8.57	5.63	2.84	1.88	4.75	3.97	59.16
Fair View	5.45	3.71	12.87	6.25	5.61	2.05	6.15	5.81	4.62	0.99	3.11	4.57	61.19
Fort Gaines	5.52	4.06	6.02	8.98	3.29	1.67	5.66	4.98	1.08	2.03	3.32	6.35	52.96
Gainesville	6.53	4.55	9.70	9.02	3.93	5.72	4.73	7.38	3.36	0.37	4.34	5.69	65.32
Gillsville	6.24	4.35	10.83	8.86	4.95	4.59	4.31	7.77	3.81	0.55	3.91	5.91	66.08
Glennville	1.82	4.30	4.66	6.27	3.37	6.06	4.16	16.67	3.62	0.54	4.68	6.28	62.43
Goat Rock	4.34	3.41	6.56	8.01	3.73	2.78	4.91	5.80	4.53	1.41	3.56	5.72	54.76
Greensboro	.....	.....	7.32	5.23	4.34	1.61	8.72	6.89	6.60	1.10	2.31	4.61	.....
Griffin	7.35	6.18	12.46	4.98	5.36	1.29	4.67	6.85	3.24	0.59	3.01	4.16	60.14
Hartwell	4.08	1.58	10.57	8.99	2.90	3.77	3.38	9.51	4.47	0.47	4.52	6.03	60.27
Hawkinsville	4.89	4.67	4.90	5.98	4.59	3.69	4.57	6.12	1.89	1.52	2.87	4.26	49.95

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Georgia—Continued.													
Hazlehurst	2.60	4.28	5.60	6.96	4.99	4.74	4.77	10.38	2.23	0.97	3.25	5.26	56.03
Leesburg	3.81	5.95	7.07	9.67	5.08	2.70	6.47						
Lisbon	4.41	4.87	7.32	4.17	3.91	4.38	4.27	5.86	3.01	0.98	3.64	4.30	51.12
Louisville	3.33	3.44					7.88	9.12	1.53	0.65	2.08	3.51	
Lumber City	2.71	5.69	3.05	6.74	2.81	1.50	3.62	6.21	0.90	0.90	3.61	5.29	43.03
Macon	4.40	3.56	7.91	6.06	4.96	2.52	2.78	5.32	5.77	0.45	3.97	3.58	51.28
Marietta		5.39	9.91	8.10	5.62	6.10	8.59	7.74	2.97	0.91	5.51	6.27	
Marshallville	5.77	5.48	8.13	6.85	6.13	4.27	4.32	5.76	2.49	1.24	4.10	5.07	59.61
Milledgeville	5.65	3.38	7.89	6.65	4.70	1.84	5.36	6.41	2.85	0.65	3.15	4.50	53.03
Millen	2.85	2.50	7.70	5.95	2.85	3.30	12.50	10.78	3.05	0.45	4.45	3.15	59.53
Montezuma	3.97	4.41	6.41	6.35	3.68	3.44	3.02	5.58	3.93	0.53	2.60	4.75	48.67
Monticello	6.10	4.15	9.82	4.84	4.81	1.99	5.65	10.24	4.26	1.11	3.74	4.09	60.80
Newnan	8.09	3.61	11.90	6.28	8.22	2.29	4.65	7.00	1.55	0.75	4.67	4.44	63.45
Norcross	6.94	5.24	9.44	8.62	5.84	6.54	8.88	13.34	3.24	0.28	4.12	4.64	77.12
Point Peter	6.12	5.81	8.98	3.43	4.31	1.98	4.12	4.66	6.99	0.44	5.09	4.86	56.79
Quitman	2.28	7.22	3.49	10.44	3.12	1.72	4.57	5.36	4.48	1.72	3.01	9.08	56.49
Ramhurst	6.01	5.40	6.38	9.03	5.14	3.18	10.47	12.90	3.87	1.32	4.46	9.32	77.48
Resaca	6.11	6.42	7.12	11.39	5.12	2.61	10.68	11.12	4.45	0.70	4.09	9.38	79.19
Rome	6.35	4.20	7.07	11.68	6.15	4.32	8.71	11.84	2.38	0.51	4.91	8.68	76.80
St. George	2.04				5.14	3.58	7.04			0.30	3.27	4.39	
Savannah	2.14	3.53	3.39	6.35	2.36	6.16	7.30	10.27	5.94	0.43	4.77	5.20	57.84
Statesboro	2.53	3.79	4.11	5.85	3.41	3.38	4.05	9.77	2.71	1.05	3.57	4.94	49.16
Talbotton	5.37	4.45	9.36	7.20	5.00	3.20	6.86	4.23	1.78	1.07	2.88	4.49	55.83
Tallapoosa	7.96	4.35	6.60	10.82	6.68	3.82	7.47	9.14	2.04	0.85	4.74	7.09	71.56
Thomasville	3.24	5.77	3.21	7.22	3.36	3.22	3.38	4.96	6.07	1.23	3.69	8.60	53.95
Toccoa	6.60	4.46	8.86	10.13	4.19	6.11	6.29	9.13	3.61	0.73	3.44	6.82	70.37
Valdosta	2.70	5.10	3.55	9.46	4.40	2.68	5.13	6.74	5.70	2.34	3.84	8.71	60.35
Warrenton	6.64	3.76	11.71	5.17	3.78	1.62	7.73	8.60	2.41	0.92	4.14	3.50	59.98
Washington	5.34	3.82	7.55	5.08	2.89	2.36	6.37	10.00	4.63	0.48	3.67	5.12	57.31
Waycross	2.06	3.63	3.60	7.34	3.23	6.02	4.58	8.67	4.28	1.61	6.00	8.49	59.51
Waynesboro	3.52	3.35	7.50	4.25	2.05	2.08	7.82	6.70	2.36	1.50	2.70	3.52	47.35
West Point	6.85	4.85	9.76	8.00	6.77	2.74	8.72	7.57	0.76	0.71	3.38	4.93	65.04
Woodbury	5.22	5.66	10.41	6.66	5.33	2.54	10.61	4.97	2.15	0.87	3.06	5.13	62.61
Idaho.													
Aberdeen	0.00	0.10	0.75	1.50	0.89	0.43	0.02	0.69	0.61	1.89	0.57	0.62	8.07
Alpha	4.48	0.60	4.10	1.71	0.48	1.68	0.14	0.85	2.43	3.04	6.39	5.48	31.38
American Falls	0.71	0.79	0.83	2.49	0.89	0.16	0.01	1.11	0.89	3.56	1.88	0.88	14.20
Arco	T.	0.30	0.58	2.52	1.29	0.22	T.	1.75	0.56	1.45	0.59	1.50	10.67
Arrowrock	1.50	0.30	2.50	2.05	0.53	1.42	0.00	0.38	0.79	1.86	3.93	3.58	18.84
Ashton	0.13	0.32	0.61	1.45	1.28	0.51	0.29	0.98	1.02	1.61	1.87	2.51	12.58
Atlanta							0.10	0.71					
Avery	5.75	0.50	5.49	3.62	2.39	2.21	0.06	2.85	3.11	3.10	2.29	3.11	34.48
Big Smoky Ranger Station								0.86					
Blackfoot	0.05	0.31	0.94	1.96	1.00	0.18	T.	1.36	0.58	2.02	0.66	0.96	10.02
Blackfoot Dam	0.32	0.32	0.84	2.77	0.84	0.80	0.20	3.03	0.91	2.09			
Bliss	0.12	0.24	0.75	1.17	0.01	0.02	0.00	0.04	0.16	1.38	2.30	1.73	7.92
Bogus Creek	0.90	0.52	1.82	3.22	1.47	0.44	T.	1.00	1.77	3.89	4.27	4.09	23.39
Boise	0.66	0.35	1.89	1.32	0.56	1.18	0.05	0.33	0.64	2.34	1.82	2.43	13.57
Boise King	2.95	1.15	3.27	2.01	0.40	1.25	0.44	0.98	2.02	3.33	3.54		
Bostetter						0.50	1.19	1.80	1.41				
Boulder Mine	3.27	0.28	3.95	2.80	0.77	1.44	0.34	0.64	1.71	3.87	4.59	6.00	29.66
Brownlee	1.00	0.42	3.43	4.67	1.62	1.25	T.	1.44	2.29	4.86	4.25	3.07	28.30
Buhl											1.87		
Burley	0.09	0.28	0.46	1.64	0.45	0.37	0.04	0.68	0.38	2.96	1.07	1.00	9.42
Caldwell	0.38	0.32	1.80	0.57	0.86	0.69	0.03	0.41	0.30	2.27	1.52	2.15	11.30
Cambridge	0.59	0.40	2.95	1.52	0.76	0.06	0.01	0.36	1.77	2.51	3.65	4.10	18.68
Challis	0.09	0.47	0.45	0.47	0.61	1.33	0.43	0.56	1.01	1.05	0.21	0.57	7.25
Chattins Flat									0.46	1.24	0.87	0.97	
Chesterfield	0.10	0.32	0.69	1.39	1.18	0.83	0.45	2.19	1.08				
Coeur d'Alene		0.50	2.52	2.26	2.12	1.00	0.50	2.07	3.29	1.68	2.05	3.67	
Cottonwood Creek	2.43	0.46	2.79	3.22	0.76	1.73					5.19		
Council	1.36	0.35	4.29	1.86	1.11	1.06	0.09	0.90	2.15	4.27	5.75	5.89	29.08
Cuprum	3.63	0.89	4.73	2.57	0.45	1.73	0.67	0.89	1.77	2.94	5.43	5.60	31.30
Deer Flat	0.22	0.00	2.90	0.60		0.35	0.03	0.34	0.30	1.51	1.45	0.77	
Driggs						0.37	0.52	0.20		1.28	1.25	2.75	
Elk City	3.03		5.10	4.21	2.12	3.05	1.56	1.11	3.14				
Emmett	0.50	0.50	2.08	0.61	0.67	0.81	0.00	0.75	0.73	2.29	1.73	2.23	12.90
Felt	0.16	0.29	0.90	0.81	0.79	1.04	1.19	1.00	1.93	1.18	1.16		
Fort Hall	0.23	0.59	0.85	1.69	0.97	0.25	0.10	1.55	0.77	2.47	1.20	0.97	11.64
Garden Valley	2.47	0.53	3.18	1.65	0.34	0.52	0.43	0.63	1.10			4.02	
Geneva	0.26	0.79	1.60	2.46	0.44	0.67	0.46	0.80	1.48	1.23	2.90		
Glenns Ferry	0.03	0.22	0.48	0.14	0.05	0.02	0.00	0.05	0.20	1.86	1.99	1.35	6.39
Gooding	0.10	0.28	0.67	1.72	0.02	0.11	T.	0.01	0.20	1.25	2.39	1.05	7.80
Grace	0.13	0.57	1.23	3.60	2.32	0.12	0.10	1.63	1.21	2.72	0.49	1.00	15.12
Grandview Ranger Station								1.27	2.51	2.33			
Gray's Lake	0.25	0.67	2.40	1.88	2.72	0.82	0.66						
Grimes Pass	3.41	0.72	3.31	1.97	0.81	0.97	0.40	0.87	1.68	3.20	4.68	6.41	28.43
Hailey	0.14	0.36	1.25	1.62	0.38	1.03	0.05	1.24	0.74	2.06	2.40	4.15	15.44
Hawley Gulch						0.50	0.42	1.70	2.27	2.32			
Hazelton	0.10	0.78	0.88	1.99	0.74	0.41	T.	T.	0.51	2.93	1.70	1.44	11.48
Hereford						1.27	0.18	1.20	1.39	6.11			
Hill City						0.01							
Hollister	0.21	0.52	0.26	1.22	0.10	0.31	T.	0.47	0.46	2.53	0.96	0.78	7.82
Idaho City	2.81		2.95	1.62	0.84	1.08	T.	1.42	0.74	2.69			
Idaho Falls	T.	0.90	0.92	1.67	0.31	0.14	0.18	0.85	1.63	1.51	0.35	3.42	11.88
Indian Cove	T.	0.18	0.56			0.47	T.						
Irwin	0.37	0.27	1.70	1.91	1.71	0.44	0.27	0.82	1.92	2.60	0.43	1.18	13.62
Jerome	0.07	0.48	0.68	1.15	0.00	0.44	0.05	0.28	0.48	1.81	2.34	1.12	8.90
Kamiah	2.83	0.24	3.66	2.78	1.63	1.86	0.07	2.00	2.80	2.83	2.34	2.20	25.24
Kellogg	3.74	0.21	4.74	2.65	3.24	2.06	2.62	1.61	4.00	3.10	2.82	3.44	34.25
Kirkham					0.19	2.33	0.98	1.81	1.53	3.04	3.31	4.42	
Kooskia	2.92	0.08	4.61	3.53	2.77	1.97	0.11	0.81	2.51	4.39	1.83	2.53	28.06
Lewiston	3.38	0.47	2.30	2.39	1.95	1.00	0.69	0.84	1.92	2.56	1.82	2.03	21.35

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Idaho—Continued.													
Lemhi	0.19	0.50	1.52	0.65	0.55	.....	.....	.....	.....	.....	.....	.....	.....
Lewiston	2.27	0.13	1.25	2.24	1.54	1.26	0.63	0.72	1.25	1.60	1.09	1.31	15.29
Lifton	0.23	0.87	0.84	1.71	1.05	0.82	0.25	0.98	0.64	2.20	0.52	0.47	10.58
Little Camas	4.18	0.40	1.87	2.32	0.49	0.73	T.	0.54	1.28	2.40	3.20	3.99	21.40
Long Gulch	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.47	5.55	.....
Loon Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.21	2.48	.....
McCall	1.52	0.51	4.46	1.99	0.83	1.33	0.22	.....	1.77	4.16	3.32	4.36	.....
Mackay	0.00	0.74	0.54	0.13	0.77	0.30	0.38	0.88	1.22	2.20	0.64	1.60	9.40
Malad	0.19	0.57	2.20	3.99	1.11	0.39	0.38	2.08	2.22	4.61	1.70	1.65	21.09
Meridian	0.55	0.29	1.63	1.12	0.53	0.48	T.	0.50	0.62	2.26	1.60	1.94	11.52
Middle Fork	.....	.....	.....	.....	1.89	2.36	0.13	1.00	2.87	6.05	3.75	.....	.....
Montpelier	0.42	0.88	1.49	2.91	1.44	1.32	0.50	1.20	1.55	2.66	0.99	1.36	16.72
Moscow	2.79	0.30	2.69	2.72	1.35	1.66	0.54	1.22	2.52	2.35	2.53	3.04	23.71
Mountainhome	0.27	0.51	1.21	1.00	0.09	0.90	T.	0.18	0.65	1.80	2.14	1.92	10.67
Murphy	0.27	0.25	0.68	1.09	0.49	1.12	0.00	0.37	0.45	0.80	0.52	1.56	7.60
Murtaugh	T.	0.22	0.61	2.05	0.76	0.22	0.00	0.18	0.16	2.41	2.58	0.96	10.15
Mussetshell	5.34	0.34	7.40	4.72	2.70	2.43	0.20	1.28	3.96	4.55	3.81	4.91	41.64
New Meadows	1.40	0.37	3.83	1.86	0.83	1.82	0.46	0.84	2.55	3.09	3.97	4.23	25.25
Nezperce	2.24	0.21	2.55	2.19	1.69	2.20	0.21	0.85	1.97	3.87	1.70	1.17	20.85
Oakley	0.12	0.34	0.68	2.14	1.29	0.77	0.54	0.89	1.46	2.94	0.61	0.66	12.44
Obsidian	1.00	0.53	1.91	1.27	0.97	.....	0.04	1.04	1.56	1.77	1.69	2.70	.....
Orofino	0.90	0.05	1.90	2.83	1.37	1.82	0.20	1.14	1.88	2.69	2.18	2.40	19.36
Oxford Ranger Station	.....	.....	.....	.....	.....	2.67	0.42	1.86	5.04	.....	.....	.....	.....
Payette	0.22	0.15	1.56	0.24	0.86	0.47	0.03	0.29	0.46	2.16	1.77	2.30	.....
Pine	1.38	0.41	2.52	1.80	0.33	0.48	0.21	0.24	0.86	1.74	4.27	5.25	19.49
Pleasant Valley	0.74	0.47	1.61	1.07	0.52	1.05	T.	0.43	0.47	2.19	1.72	1.78	12.05
Pocatello	0.14	0.46	1.41	2.28	1.36	0.95	0.33	2.53	0.92	2.62	1.29	1.26	15.55
Porcupine	0.88	1.16	.....	.....	0.38	0.63	.....	.....	1.86	.....	.....	.....	.....
Porthill	2.00	0.54	1.44	1.45	1.73	1.11	0.61	0.98	1.83	0.84	2.19	2.15	16.87
Potlatch	3.05	0.28	3.35	3.08	1.44	1.77	0.74	0.62	2.32	2.14	1.62	3.75	24.16
Prichard	3.41	0.00	3.27	2.65	3.45	1.38	1.13	1.11	5.42	5.60	6.13	.....	.....
Priest River Experiment Station	1.86	2.83	1.47	2.89	2.99	2.07	1.07	0.82	3.99	1.98	4.65	4.62	31.24
Pyle Creek	3.75	0.47	3.93	1.76	0.58	0.63	T.	0.75	0.96	3.01	5.74	6.63	28.21
Rattlesnake	1.72	0.20	1.90	2.42	1.10	.....	.....	.....	.....	.....	.....	.....	.....
Rice	0.05	0.55	2.40	1.64	1.44	1.55	0.72	0.65	3.16	2.00	2.58	3.42	20.16
Richfield	0.10	0.22	0.68	1.56	0.69	0.15	T.	0.02	0.39	1.30	.....	.....	.....
Rupert	0.11	0.28	0.61	1.52	0.22	0.75	0.32	0.51	0.45	2.63	1.54	1.06	10.00
St. Maries	3.03	0.01	2.99	0.75	1.26	1.18	0.27	0.55	2.59	2.59	1.75	4.52	21.49
St. Michael's Priory	3.23	0.34	3.03	2.28	1.59	2.71	0.52	0.79	1.90	3.93	2.18	2.58	25.08
Salmon	0.54	0.20	0.40	0.16	0.15	.....	.....	0.14	.....	.....	.....	.....	.....
Sandpoint	1.20	0.37	2.93	3.46	2.22	1.32	0.67	1.07	3.49	2.32	4.01	4.47	27.53
Sheep Hill	1.52	0.40	3.12	2.36	0.48	1.21	0.06	0.40	1.33	2.60	3.98	5.69	23.15
Shoshone	0.08	0.30	0.60	1.36	0.72	0.42	T.	0.26	0.56	1.50	1.26	1.23	8.29
Soldier Creek	0.69	0.64	4.27	2.63	.....	0.63	0.17	0.40	1.16	3.00	4.95	5.82	.....
South Fork Ranger Station	.....	.....	.....	.....	.....	2.95	0.73	.....	3.45	.....	.....	.....	.....
Spencer	0.07	1.56	1.23	1.34	2.14	1.03	0.43	1.09	1.89	0.97	1.59	2.83	16.17
Springfield	T.	0.31	0.47	1.77	1.36	0.21	0.05	0.95	0.78	2.39	0.67	1.12	10.08
Stanley	1.52	1.11	2.29	1.62	1.76	1.89	0.63	0.98	1.82	1.80	2.80	2.56	20.78
Sugar	0.04	0.41	0.99	1.28	0.31	0.16	0.16	0.51	0.11	0.85	0.45	2.22	7.49
Sunnyside	0.68	0.10	1.76	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sunset Lookout	.....	.....	.....	.....	.....	.....	.....	1.31	.....	.....	.....	.....	.....
Tripod Mountain	1.33	0.40	4.65	1.49	0.63	0.53	0.03	0.52	0.72	3.35	4.26	4.76	22.67
Twin Falls	0.29	0.85	0.59	1.72	0.53	0.26	0.09	0.19	0.49	2.71	1.31	0.90	9.93
Wallace	4.49	0.44	6.60	3.54	3.29	2.05	2.46	1.70	4.91	4.27	4.29	6.19	44.23
Weiser	0.47	0.30	1.16	0.17	0.51	0.82	T.	0.25	0.85	1.61	1.93	3.38	11.45
Wendell	0.15	0.47	0.79	1.18	0.33	0.14	0.03	0.48	0.70	1.31	1.66	1.00	8.24
Wrensted Ranch	0.00	0.28	1.36	4.94	2.49	0.17	0.45	.....	.....	.....	.....	.....	.....
Illinois.													
Aledo	0.49	0.16	3.60	4.24	2.84	2.83	2.72	0.41	1.85	1.86	1.13	0.91	23.04
Alexander	0.74	0.31	5.62	3.81	7.41	1.81	2.82	4.14	3.05	3.36	0.99	2.64	36.70
Anna	4.08	1.29	7.16	2.98	9.65	2.63	2.51	3.68	0.77	3.09	1.00	4.53	43.37
Antioch	1.61	0.86	3.56	3.69	1.16	2.18	2.20	2.65	1.81	1.50	1.12	3.85	26.19
Astoria	1.23	0.26	5.40	6.02	4.28	2.52	4.39	1.72	5.00	2.48	1.00	1.19	35.49
Aurora	.....	0.17	6.12	4.45	2.42	4.31	0.58	3.18	1.83	1.63	0.89	2.28	.....
Beardstown	0.72	0.21	5.15	5.66	6.44	0.58	3.38	1.12	3.43	3.30	0.81	1.24	32.04
Benton	2.82	.....	4.63	2.49	6.62	0.79	2.82	1.70	1.57	2.42	1.36	4.10	.....
Bloomington	0.80	0.16	7.43	7.43	2.67	0.76	1.82	1.04	3.38	1.32	1.20	2.89	30.90
Cairo	3.48	1.68	3.94	3.35	5.02	2.10	2.82	2.48	2.19	2.09	0.70	5.10	34.95
Carbondale	3.62	0.86	5.93	4.37	8.89	1.59	6.13	3.44	1.81	2.98	1.26	4.30	45.18
Carlinville	1.12	1.28	3.72	3.22	5.21	2.53	4.37	4.19	2.24	1.88	0.64	3.38	33.78
Casey	1.52	2.21	3.95	5.00	5.17	0.81	1.51	4.68	3.45	2.83	1.07	4.08	36.28
Charleston	0.88	1.91	3.76	3.91	6.12	1.08	2.96	1.88	4.05	3.42	0.96	3.27	34.20
Chester	3.29	0.64	5.66	3.30	7.85	0.67	2.03	3.58	2.91	1.65	0.70	3.42	35.70
Chicago	1.11	0.13	4.57	4.71	1.81	3.94	1.61	3.16	3.35	1.57	0.92	3.33	30.21
Clinton	0.80	0.30	4.35	.....	5.05	2.20	5.28	2.57	5.52	1.33	0.84	3.68	.....
Danville	1.44	0.57	3.39	6.88	3.29	1.07	2.40	2.33	2.37	2.04	1.08	3.39	30.25
Decatur	1.03	0.62	5.21	5.16	6.01	1.21	1.79	2.22	3.07	1.65	0.65	3.64	32.26
Dixon	0.75	0.19	5.57	3.61	2.44	2.39	1.13	2.22	0.87	2.23	1.62	1.54	24.56
Du Quoin	3.09	0.67	7.01	3.17	6.38	1.41	5.74	2.18	1.37	1.98	1.42	3.81	38.23
Dwight	1.35	0.24	5.55	7.03	3.61	1.56	1.02	1.30	1.46	1.37	1.15	2.64	28.28
Edwardsville	1.94	1.23	4.58	3.90	7.36	1.63	0.85	5.13	3.35	1.70	0.52	2.76	34.95
Effingham	1.71	1.84	3.63	3.26	7.90	1.62	3.72	4.42	2.82	3.08	0.68	3.68	38.36
Elgin	1.17	.....	.....	4.31	1.68	3.63	0.70	3.42	2.21	1.10	0.80	2.49	.....
Fairfield	2.81	1.42	.....	2.35	8.27	2.09	3.47	5.33	4.04	2.35	1.62	3.52	.....
Fairview	0.84	0.31	4.80	5.16	3.67	2.33	1.56	1.55	0.74	1.75	0.93	1.67	25.31
Flora	2.54	1.13	5.16	3.46	7.39	3.20	8.37	5.48	3.69	1.42	1.22	3.64	46.70
Freeport	0.88	0.43	4.30	4.18	2.59	2.87	1.76	1.71	0.45	2.71	1.99	1.62	25.49
Galva	0.46	0.19	4.91	5.79	3.44	1.38	2.48	2.42	1.66	2.38	0.83	1.81	27.75
Golden	0.47	0.20	4.93	.....	5.89	2.38	3.42	1.04	3.06	1.49	0.97	.....	.....
Grafton	0.72	0.56	4.06	4.54	4.58	1.32	0.81	7.83	4.61	2.32	0.77	2.64	34.76
Greenville	2.00	1.18	4.41	3.15	4.31	1.02	2.98	3.19	3.52	0.92	0.43	2.32	29.43
Griggsville	0.86	0.28	3.78	3.20	5.67	2.58	2.86	4.27	5.97	2.47	0.60	1.90	33.84
Harrisburg	4.54	1.06	5.61	3.90	8.08	0.78	1.91	7.97	3.84	3.41	2.33	5.13	48.56

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Illinois—Continued.													
Havana	0.78	0.31	4.43	5.28	3.96	1.34	2.86	1.09	2.59	2.16	1.12	1.44	27.36
Henry	1.10	0.19	4.95	7.09	4.55	.....	2.23	1.35	1.78	2.58	1.17	2.00	.....
Hillsboro	1.01	1.56	5.35	2.18	6.66	2.27	2.47	4.34	3.63	1.21	0.34	2.97	33.99
Hoopestown	1.27	0.38	4.11	6.23	3.19	1.00	2.51	.....	.....	1.82	.....	.....	.....
Joliet	0.94	0.13	5.65	5.05	3.26	3.06	2.09	1.49	1.69	1.52	1.25	2.37	28.50
Kankakee	0.90	0.20	4.98	5.33	2.83	1.62	0.94	2.13	1.26	2.01	1.49	3.24	26.93
La Harpe	0.70	0.22	5.11	7.58	4.05	8.46	1.12	0.75	2.17	1.65	1.47	0.83	34.11
La Salle	1.21	0.19	4.96	4.69	3.39	3.52	1.29	2.05	2.54	1.80	1.16	2.39	29.19
Lincoln	0.84	0.34	6.09	5.74	5.09	1.68	2.69	2.32	2.15	1.28	1.01	2.85	32.08
McLeansboro	2.99	0.51	6.43	1.77	7.55	1.51	2.96	2.85	3.26	2.77	1.73	4.47	39.00
Macomb	0.74	0.23	5.42	5.79	3.95	4.47	4.17	1.45	3.28	1.88	1.19	1.09	33.66
Marengo	0.73	0.32	5.43	3.32	1.56	3.34	0.98	3.05	2.54	1.69	1.03	3.37	27.36
Mascoutah	2.58	1.18	4.28	3.13	7.56	1.96	2.02	6.39	5.77	1.66	0.46	3.10	40.09
Minonk	0.95	0.27	4.21	6.74	3.33	1.76	2.27	1.11	1.07	1.62	1.27	2.98	27.58
Monmouth	0.45	0.15	4.36	6.23	3.27	2.13	3.33	1.06	1.07	2.47	1.22	0.92	26.66
Morris	0.97	0.16	5.69	4.06	2.62	2.73	0.75	1.30	2.05	0.85	1.24	2.87	25.29
Morrison	0.60	0.43	4.13	5.34	2.82	4.96	0.91	1.77	1.36	1.52	1.65	1.07	26.56
Morrisonville	1.15	0.76	3.57	2.11	6.49	3.57	2.45	3.78	3.05	2.04	0.89	2.55	32.41
Mount Carmel	3.10	1.40	6.10	2.24	7.54	2.00	2.56	5.55	4.47	2.63	2.03	4.24	43.86
Mount Carroll	1.41	.....	.....	.....	3.54	3.24	0.92	.....	1.16	1.42	2.20	.....	.....
Mount Vernon	2.55	0.75	6.32	4.33	6.36	5.54	2.97	3.46	3.60	1.62	1.13	3.57	42.20
Nashville	2.66	0.96	5.39	2.86	6.83	1.06	2.12	3.46	3.11	2.38	0.52	3.52	34.87
New Burnside	4.46	1.25	7.88	3.06	9.25	0.86	2.87	2.83	1.65	3.09	1.29	5.92	44.41
Olney	2.02	1.07	5.09	2.07	5.20	2.01	4.67	4.61	3.73	1.99	1.10	3.19	36.75
Oregon	0.62	0.32	6.13	3.96	2.78	3.00	0.39	1.87	1.60	1.54	1.34	1.70	25.25
Ottawa	1.61	0.13	4.77	5.09	3.53	1.92	0.89	1.05	.....	.....	1.19	2.12	.....
Palestine	2.13	1.32	5.10	3.27	6.49	0.86	3.61	4.47	2.14	2.47	1.20	3.72	36.78
Pana	1.16	1.62	5.37	1.81	5.84	1.95	1.71	3.39	3.48	1.11	0.50	2.65	30.59
Paris	.....	1.15	4.23	3.61	4.29	3.04	2.60	1.12	2.73	3.42	1.20	3.67	.....
Paw Paw	1.33	0.19	5.72	5.04	1.94	0.87	0.79	1.94	3.74	2.48	1.49	2.57	28.10
Pearl	0.66	0.31	4.57	2.47	5.34	1.72	1.80	3.21	3.92	3.39	0.59	2.14	30.12
Peoria	0.93	0.27	5.84	6.12	3.03	2.18	1.56	1.87	1.84	1.93	1.22	1.87	28.66
Pontiac	1.90	0.30	4.05	7.34	2.50	1.40	1.05	0.40	0.82	1.20	1.20	2.34	24.50
Quincy	0.85	0.26	4.93	5.18	4.93	4.99	5.79	0.56	4.77	1.10	1.21	0.90	35.47
Roberts	0.87	0.19	3.28	6.59	2.49	0.79	1.47	1.18	0.95	1.44	1.05	2.81	22.11
Rockford	1.39	0.66	4.85	2.76	.....	.....	0.94	2.26	0.77	1.64	0.90	2.03	.....
Rushville	0.78	0.29	5.04	6.81	5.57	0.76	4.08	1.45	3.48	1.80	1.12	0.98	32.16
Salem	2.71	2.12	4.95	3.95	6.43	1.39	3.96	10.23	4.16	2.71	0.52	3.70	46.83
Shawneetown	4.55	1.47	6.90	3.25	9.00	0.74	4.22	5.15	2.05	2.20	1.34	5.33	46.20
Sparta	2.91	0.81	5.34	3.10	8.75	0.25	3.75	5.22	1.95	1.77	0.46	3.82	38.13
Springfield	0.79	0.58	6.34	5.42	6.89	3.89	0.92	4.60	3.08	1.49	0.79	2.99	37.78
Sycamore	0.62	0.18	6.19	4.45	2.11	2.64	0.28	1.93	3.58	1.50	0.91	2.93	27.30
Tiskilwa	1.01	0.20	6.42	8.32	4.15	2.26	1.72	1.44	1.72	2.72	1.36	3.20	34.52
Tuscola	1.15	0.79	3.51	4.56	5.09	1.16	.....	1.72	3.09	2.43	0.98	2.69	.....
Urbana	0.83	0.45	3.40	5.69	3.80	0.94	3.08	3.19	1.79	2.02	1.29	2.81	29.29
Walnut	0.90	0.22	4.88	.....	2.55	1.92	2.26	1.79	2.09	2.15	1.55	1.77	.....
Warsaw	0.45	0.29	3.60	4.09	3.25	2.80	3.90	1.66	4.05	1.27	1.10	0.83	27.29
Waterloo	3.13	0.93	3.72	3.45	8.89	1.56	1.11	5.10	3.20	2.72	0.51	2.64	36.96
White Hall	0.45	0.14	4.75	3.29	5.91	1.56	0.96	4.09	4.47	3.55	0.83	2.53	32.53
Windsor	1.11	1.44	5.86	3.54	7.77	1.63	3.17	2.89	2.38	2.47	0.93	2.90	36.09
Indiana.													
Albion	1.12	0.16	2.26	4.83	2.15	6.53	4.86	1.64	1.55	2.35	2.14	3.61	33.20
Anderson	1.53	0.47	1.76	6.13	3.32	4.22	4.61	1.68	.....	2.18	2.87	3.44	.....
Angola	.....	.....	.....	7.91	1.78	2.64	2.62	2.03	1.53	1.78	2.62	3.85	.....
Auburn	.....	.....	.....	3.54	2.29	3.61	5.55	2.45	3.67	2.14	2.77	3.98	.....
Bedford	3.10	1.33	6.51	5.85	5.22	2.20	1.80	5.29	1.73	1.35	1.75	4.07	40.20
Berne	1.48	0.20	2.71	6.96	2.75	4.60	4.72	3.50	2.10	3.53	3.64	2.66	38.85
Bloomfield	.....	1.37	4.11	3.48	5.29	.....	.....	.....	.....	.....	.....	.....	.....
Bloomington	2.53	2.13	4.86	4.70	5.66	2.52	3.40	3.76	3.03	1.19	2.25	3.07	39.10
Bluffton	1.85	0.20	2.35	6.24	2.83	3.51	7.86	3.21	2.06	2.80	2.80	3.50	39.21
Butlerville	4.05	1.80	6.05	7.77	4.70	3.34	2.14	5.43	4.07	1.16	3.26	2.68	46.45
Cambridge City	2.92	1.40	4.00	8.28	3.27	3.12	4.79	3.70	1.00	2.13	3.79	2.56	40.96
Collegeville	1.20	0.75	3.40	6.79	3.08	1.40	3.11	2.22	1.53	2.60	1.43	3.12	30.63
Columbus	2.23	0.96	4.15	4.09	2.63	2.64	1.86	3.81	3.89	1.24	2.52	3.44	33.46
Connersville	2.37	0.80	1.91	4.22	2.86	2.14	4.63	1.76	1.90	2.77	2.25	2.25	29.86
Crawfordsville	1.33	0.70	2.75	7.70	3.65	2.24	5.35	1.64	2.85	3.59	0.92	2.68	35.40
Dam No. 39, Ohio River	4.73	1.31	3.75	7.70	3.13	3.41	1.77	4.86	2.26	1.79	2.60	1.51	38.82
Decker	2.54	1.03	5.14	3.16	5.22	1.09	3.25	6.17	2.44	2.02	0.91	4.77	37.74
Delphi	1.70	0.80	3.20	6.55	3.46	4.86	4.75	1.93	0.50	2.84	2.03	3.08	35.70
Elliston	0.87	0.46	4.60	3.01	5.68	1.11	1.35	5.28	2.31	1.42	1.62	2.86	30.57
Evansville	3.64	0.82	6.10	2.93	5.18	3.77	2.86	6.31	3.36	1.65	1.38	3.86	41.86
Farmersburg	1.63	1.68	3.38	3.70	4.43	0.65	1.70	1.86	3.01	2.18	0.87	2.99	28.08
Farmland	1.75	0.94	3.01	6.24	2.14	4.99	5.32	3.83	1.76	1.79	1.89	2.32	35.98
Forest Reserve	4.32	0.91	6.29	4.87	3.86	1.83	2.83	5.26	3.27	1.26	3.01	2.32	40.03
Fort Wayne	0.90	0.20	2.55	4.68	2.01	3.35	6.28	3.08	1.69	2.22	2.42	3.35	32.73
Frankfort	.....	.....	2.07	7.40	3.08	4.08	6.17	0.65	4.04	2.55	1.28	2.71	.....
Goshen	0.90	0.52	4.54	7.38	2.23	2.62	0.97	0.98	2.59	3.01	2.00	2.93	30.67
Greencastle	1.48	0.80	4.37	6.21	3.66	1.89	3.79	3.88	2.00	2.22	1.32	4.14	35.76
Greenfield	1.38	1.07	2.56	5.91	3.70	5.23	5.26	3.16	3.55	1.36	2.79	2.92	38.89
Greensburg	2.61	1.31	4.07	5.57	3.93	4.17	2.31	5.03	2.81	3.03	2.18	2.96	39.98
Hickory Hill	2.56	0.88	3.96	4.47	6.10	3.14	3.76	2.86	3.17	1.64	2.07	3.53	38.14
Hobart	1.71	0.60	3.77	7.24	2.47	3.87	2.71	1.53	4.26	2.78	0.99	3.86	35.79
Howe	1.25	0.45	4.59	6.29	2.39	2.58	3.43	4.57	3.22	2.12	3.20	4.39	38.48
Huntingburg	4.17	0.73	8.05	4.85	5.05	2.11	4.89	3.48	8.02	2.02	1.58	3.89	48.84
Huntington	1.30	1.10	2.83	5.24	2.54	2.27	5.76	2.38	2.01	2.57	2.79	2.60	33.39
Indianapolis (Weather Bureau)	2.01	1.35	2.66	7.26	5.04	3.78	4.51	1.85	2.37	1.96	2.12	3.27	38.18
Indianapolis (Speedway)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.88	1.85	3.27	.....
Jeffersonville	4.80	0.88	5.36	5.47	2.76	2.22	1.29	6.73	2.49	1.78	3.58	1.66	39.02
Kokomo	2.02	0.46	2.21	9.15	3.43	5.58	6.57	1.43	2.74	2.06	2.02	2.31	39.98
Lafayette	1.15	0.51	2.46	5.83	3.64	1.72	4.75	3.15	1.80	2.87	1.55	2.96	32.39
Laporte	2.21	0.72	5.35	6.21	1.85	2.47	.....	2.45	2.84	2.11	1.67	2.37	.....
Madison	3.83	1.11	5.07	8.57	3.45	3.67	2.28	5.33	3.40	1.19	3.27	2.02	42.19
Marengo	3.55	0.75	7.30	4.80	5.49	1.16	5.61	4.04	6.57	1.80	2.98	3.60	47.65

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Indiana—Continued.													
Marion	1.73	0.30	2.52	6.69	2.81	4.79	4.37	1.56	4.24	2.34	2.18	3.08	36.61
Mauzy	2.24	1.81	4.07	7.97	3.49	2.76	3.91	1.45	1.68	1.85	2.88	3.17	37.28
Monticello	1.00	1.03	2.49	5.97	2.84	2.99	3.47	2.74	0.73	2.04	1.93	2.18	29.41
Moores Hill	3.73	1.77	4.75	7.61	4.65	3.11	2.61	4.47	5.21	1.30	3.61	2.24	45.06
Mount Vernon	4.24	0.99	6.39	2.27	5.71	1.80	3.05	3.43	3.69	2.20	1.85	4.49	40.10
Muncie	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.43	2.44	3.07	.....
Noblesville	2.65	0.90	2.40	8.10	3.40	6.10	7.86	1.90	2.65	2.85	2.30	3.40	44.51
Notre Dame	1.53	0.27	2.64	5.99	2.10	2.49	2.36	1.71	2.36	2.19	2.19	4.61	30.44
Paoli	3.18	1.23	5.53	5.11	4.53	1.47	5.02	5.11	.....	1.86	2.16	3.14	.....
Plymouth	1.65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Princeton	2.51	.....	4.46	3.48	5.29	2.56	3.85	3.68	7.16	1.75	0.83	4.34	.....
Richmond	2.07	1.14	2.82	6.11	2.87	2.66	3.58	3.45	1.98	3.24	3.22	2.82	35.96
Rockville	1.78	1.39	3.71	5.92	4.05	2.56	1.93	1.69	1.86	2.25	0.95	3.82	31.91
Rome	5.60	1.22	6.34	6.87	4.68	2.34	5.23	6.38	2.51	2.32	2.26	2.68	48.43
Royal Center	0.83	0.17	2.87	5.56	2.45	3.08	3.92	1.42	1.89	1.90	1.64	3.29	29.02
Salamonia	1.59	1.00	5.84	10.35	3.08	4.93	5.97	3.33	2.51	1.90	2.86	5.05	48.41
Salem	4.03	1.11	5.16	5.24	4.52	1.17	1.81	5.71	5.25	1.81	3.03	2.78	41.62
Scottsburg	4.13	0.62	4.44	6.37	3.75	2.47	2.32	3.23	5.89	1.48	4.79	3.02	42.51
Seymour	2.48	0.97	5.07	6.76	3.84	3.38	2.52	3.40	2.90	2.28	2.29	2.58	38.47
Shelbyville	1.08	1.24	4.39	6.32	4.57	3.26	3.93	1.11	1.04	1.34	2.91	3.62	34.81
Shoals	2.06	0.80	6.40	5.57	3.68	2.04	3.81	6.49	2.20	1.08	1.48	2.93	38.54
South Bend	1.81	0.33	3.78	5.94	2.48	2.46	1.80	1.07	1.52	2.05	2.00	3.59	28.83
Terre Haute	1.64	1.92	3.90	4.65	4.90	0.98	5.39	2.39	1.86	1.30	0.61	3.69	33.23
Valparaiso	1.39	0.59	4.22	6.90	2.68	4.99	2.72	1.47	4.08	3.05	1.91	2.82	36.82
Veedersburg	1.45	0.90	2.76	7.14	2.57	2.43	2.42	1.84	3.67	3.18	1.28	2.63	32.32
Vevay	.....	.....	.....	.....	.....	.....	3.89	5.20	3.12	1.90	3.50	.....	.....
Vincennes	3.09	1.17	6.53	3.14	5.41	0.89	1.27	4.29	.....	2.99	2.58	4.63	.....
Washington	3.24	1.22	5.33	3.33	4.04	1.53	1.80	6.43	2.80	1.76	1.21	4.55	37.24
Wheatfield	0.50	T.	2.30	6.89	3.20	3.06	2.59	1.04	3.17	1.61	1.49	3.73	29.58
Whitestown	1.94	0.75	2.37	5.84	2.87	3.84	4.50	1.18	1.94	4.86	1.74	3.64	35.47
Whiting	1.32	0.36	4.59	5.67	2.01	3.95	2.64	1.93	3.70	2.06	1.81	4.24	34.28
Winamac	0.92	0.22	2.44	3.86	1.89	4.47	5.84	1.00	1.18	2.29	1.83	2.79	28.73
Winona Lake	.....	.....	.....	.....	2.30	3.23	3.49	0.94	1.76	2.09	1.93	2.52	.....
Iowa.													
Afton	0.20	0.69	2.80	5.68	2.40	3.41	5.46	5.88	7.21	1.49	1.36	0.69	37.27
Albia	0.37	0.65	5.70	4.58	2.60	4.79	7.25	2.94	3.90	1.23	1.51	1.27	36.79
Algona	0.42	0.74	1.49	4.63	2.70	3.06	6.89	3.32	2.78	1.76	3.17	1.25	32.21
Allison	0.65	0.25	2.50	3.58	4.38	3.60	2.89	3.90	6.53	3.73	2.97	1.10	36.08
Alta	0.28	0.73	2.98	4.98	3.40	4.73	5.87	2.04	2.69	3.16	1.65	0.68	33.19
Alta (near)	0.13	0.99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alton	0.34	0.45	3.14	4.54	3.06	3.39	4.29	3.20	2.36	1.65	2.02	0.90	29.34
Ames	0.22	0.71	2.29	4.96	3.05	2.35	3.78	2.22	3.34	2.56	1.70	1.05	28.23
Atlantic	0.52	0.90	1.12	4.87	2.70	1.72	3.55	5.45	1.57	2.00	1.83	0.68	26.91
Audubon	.....	.....	0.74	4.06	2.38	4.75	2.65	5.51	2.78	2.72	1.89	0.90	.....
Baxter	0.32	0.31	3.66	3.47	4.10	4.09	3.65	1.76	2.77	1.87	1.75	0.92	28.58
Bedford	0.55	0.94	3.08	5.47	2.60	2.78	1.62	3.40	2.79	1.30	1.93	1.16	27.62
Belle Plaine	0.96	0.40	3.52	5.71	4.16	1.56	3.50	2.55	2.89	1.45	1.94	1.57	30.21
Belmond	0.53	0.66	2.40	4.63	2.77	4.01	5.71	4.71	5.14	2.51	3.50	1.02	37.59
Bloomfield	0.30	0.98	4.79	5.50	3.89	1.91	3.13	0.54	2.15	1.00	1.69	0.56	26.44
Bonaparte	0.24	0.12	4.71	6.13	3.99	4.32	6.73	2.33	3.32	1.33	1.06	1.18	35.46
Boone	0.24	.....	1.49	4.10	3.23	2.11	3.56	5.33	5.43	3.25	2.13	0.54	.....
Britt	0.24	0.27	2.09	2.39	4.17	8.48	5.91	8.52	4.42	1.83	2.63	0.64	41.59
Burlington	0.38	0.33	4.45	4.89	5.49	4.83	2.99	0.44	4.01	1.63	1.48	1.02	31.94
Carroll	0.16	1.21	1.31	4.84	3.34	3.81	3.89	6.37	2.67	3.26	1.71	0.90	33.47
Cedar Rapids	0.55	0.36	2.98	3.24	1.90	3.11	1.90	3.60	0.69	0.55	1.23	0.84	20.95
Centerville	0.31	0.29	5.30	3.86	1.57	2.97	5.92	1.44	2.84	1.70	1.51	1.18	28.89
Chariton	0.49	0.26	3.72	6.04	2.52	3.01	5.17	1.87	6.00	1.46	1.50	1.41	33.45
Charles City	0.65	0.21	2.85	3.31	4.54	4.43	2.92	4.46	5.76	4.64	2.73	1.83	38.33
Clarinda	0.24	0.90	1.79	4.50	3.78	1.35	3.65	3.01	2.11	2.23	2.32	0.81	26.69
Clinton	0.74	0.34	4.12	3.15	2.04	4.51	1.85	1.93	1.94	2.88	1.90	1.55	26.95
Columbus Junction	0.44	0.18	3.55	4.50	2.65	2.23	2.27	1.01	1.43	2.04	1.17	1.96	22.43
Corning	0.30	0.91	2.36	2.74	3.53	3.54	4.61	4.31	3.30	2.32	2.05	0.58	30.55
Corydon	0.37	0.37	4.68	5.79	2.82	3.69	5.92	1.45	5.73	0.99	1.78	1.60	35.19
Creston	0.45	0.94	.....	4.92	3.34	4.11	5.22	3.19	6.52	2.09	1.74	0.87	.....
Cumberland	0.20	0.25	2.09	3.99	2.48	3.61	3.82	.....	1.00	2.30	1.10	0.45	.....
Davenport	0.44	0.19	4.45	5.04	2.83	2.54	2.19	2.67	1.85	2.40	1.69	1.19	27.48
Decorah	0.98	0.29	2.82	3.72	4.30	4.34	2.87	3.10	2.07	2.98	3.99	1.99	33.45
Delaware	.....	.....	.....	4.26	4.74	4.26	2.38	5.31	0.98	0.82	3.06	1.78	.....
Denison	T.	0.65	2.33	3.18	3.51	3.46	3.20	3.64	2.27	2.52	2.62	0.26	27.64
Des Moines	0.44	0.74	3.92	4.09	3.14	1.25	5.66	2.11	4.44	1.89	1.63	1.38	30.69
Dubuque	0.63	0.47	3.04	3.91	2.86	5.24	1.11	3.44	1.46	2.18	2.01	0.96	27.31
Earlham	0.32	1.41	2.58	4.54	3.07	2.81	3.90	3.87	4.26	2.37	1.86	0.44	31.43
Elkader	0.47	0.46	3.35	.....	.....	4.80	3.03	2.55	3.39	2.97	.....	.....	.....
Estherville	0.30	0.63	2.65	4.37	2.80	1.95	6.37	3.11	2.90	1.96	1.55	0.55	29.14
Fairfield	0.47	0.22	4.91	6.52	4.58	3.73	4.52	2.90	3.61	2.46	1.16	1.83	36.91
Fayette	0.47	0.41	3.18	7.04	2.82	4.52	4.13	3.02	5.21	3.16	2.95	1.57	38.48
Forest City	1.02	0.20	2.70	1.93	4.48	7.51	5.09	4.09	3.94	1.48	2.98	0.62	36.04
Fort Dodge	0.43	0.45	1.00	2.11	0.62	1.64	5.71	2.78	4.71	.....	.....	1.11	.....
Glenwood	0.40	0.60	0.80	5.80	4.05	2.32	5.75	3.90	1.03	2.91	2.39	0.80	30.75
Greenfield	.....	.....	1.96	5.04	3.35	7.17	2.89	2.97	5.12	1.93	2.12	0.59	.....
Grinnell	0.56	0.32	3.00	.....	2.54	2.68	5.24	0.95	4.44	2.31	.....	.....	.....
Grundy Center	0.32	0.49	2.75	5.06	4.66	2.79	4.27	5.09	4.98	2.95	3.32	1.15	37.83
Guthrie Center	0.30	1.03	1.36	4.15	2.77	2.44	4.29	3.76	2.01	2.38	2.25	0.70	27.44
Harlan	0.02	0.80	.....	5.74	3.75	.....	.....	.....	.....	4.43	1.81	0.62	.....
Humboldt	0.32	0.81	2.51	4.47	2.21	5.65	6.89	8.45	5.14	2.04	4.45	1.06	44.00
Independence	0.31	0.44	2.06	4.64	3.12	5.69	2.38	6.65	3.83	2.11	2.94	0.99	35.16
Indianola	0.42	0.53	3.36	4.13	3.62	1.27	7.46	1.18	.....	.....	.....	.....	.....
Inwood	0.12	0.82	2.62	3.54	5.37	4.92	2.75	2.20	2.27	2.36	1.44	1.34	29.75
Iowa City	0.84	0.33	4.22	4.75	3.76	2.86	2.79	2.90	1.20	0.98	1.80	2.45	28.88
Iowa Falls	0.48	0.58	2.96	4.67	2.69	2.72	3.98	3.45	4.73	4.06	2.92	1.55	34.59
Jefferson	0.20	0.95	1.32	4.20	3.49	2.99	4.91	4.07	2.40	3.87	1.59	1.39	31.38
Keokuk	0.38	0.19	4.02	3.64	3.36	2.99	3.84	0.88	2.65	1.00	0.98	0.61	24.54
Keosauqua	0.20	0.24	4.42	5.82	5.73	3.58	4.92	2.48	1.42	1.87	1.45	1.88	34.01
Knoxville	0.45	1.12	4.93	4.67	2.56	0.99	7.47	2.81	5.09	0.58	1.74	2.64	35.05

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Iowa—Continued.													
Lacona	0.70	1.75	3.55	5.25	3.56	1.90	6.12	3.53	4.95	0.86	2.30	1.60	36.16
Lamoni	0.21	0.16	5.27	4.45	1.69	4.02	3.67	3.97	5.72	1.10	0.73	0.58	31.57
Lansing	.....	.....	.....	3.89	3.63	4.86	1.35	4.25	2.19	3.73	4.32	.....	.....
Le Claire	0.49	0.33	4.87	6.39	3.24	2.76	3.36	1.47	1.74	1.79	2.51	.....	.....
Le Mars	0.14	0.17	3.95	4.96	4.12	3.41	2.84	4.52	2.39	2.02	.....	1.00	.....
Lenox	0.31	0.40	2.20	4.30	3.14	3.79	4.32	2.35	4.46	1.40	1.85	0.73	29.25
Little Sioux	0.15	1.05	1.64	5.78	2.65	1.90	1.39	1.58	2.59	3.25	3.19	0.80	25.97
Logan	0.11	1.11	2.60	4.30	3.46	3.23	2.34	4.97	1.86	2.99	3.13	0.45	30.55
Maquoketa	0.90	0.24	4.27	3.62	3.49	4.65	3.14	2.44	1.43	2.07	1.99	.....	.....
Marshalltown	.....	0.88	3.90	4.02	3.46	2.82	3.96	1.84	3.68	2.47	2.72	1.28	.....
Mason City	.....	0.04	.....	2.96	3.84	4.39	5.24	3.81	5.89	2.23	1.22	1.27	.....
Milford (near)	0.69	0.72	1.94	3.33	2.20	1.43	3.96	2.95	4.91	1.45	1.49	0.63	25.70
Monroe	0.81	1.02	4.02	5.70	3.01	1.91	5.85	2.67	5.27	1.78	2.85	1.14	36.03
Mount Ayr	0.36	0.60	3.96	5.63	1.79	2.71	4.07	3.52	5.31	1.21	1.64	0.79	31.59
Mount Pleasant	0.49	0.21	4.88	4.09	4.09	2.92	6.86	3.33	4.03	1.79	1.22	1.82	35.73
Murray	0.20	0.69	3.69	5.51	3.17	2.12	3.96	4.24	6.22	1.47	1.37	0.83	33.47
Muscatine	0.56	0.24	4.31	5.35	3.72	2.44	2.19	4.03	2.04	1.57	1.89	1.40	29.74
New Hampton	0.40	0.30	3.78	3.39	3.86	3.70	3.59	5.79	2.72	3.00	3.78	1.70	36.01
Nora Springs	0.36	0.31	3.61	3.36	3.34	5.34	5.15	4.11	5.40	2.88	3.31	1.27	38.44
Northwood	1.05	0.25	3.55	4.17	2.44	6.78	4.60	5.02	7.05	2.33	3.68	1.93	42.85
Oakland	0.30	0.30	0.73	7.23	2.85	2.87	4.23	4.88	1.61	2.76	1.85	0.55	30.16
Olin	0.48	0.24	2.85	5.85	2.67	3.30	2.38	4.42	0.95	1.40	1.35	2.64	28.53
Onawa	0.08	0.68	1.19	5.49	2.45	4.53	3.34	1.85	1.43	3.15	.....	.....	.....
Oskaloosa	0.84	0.94	5.31	4.74	3.13	2.80	4.51	1.82	4.19	1.49	1.97	2.43	34.17
Ottumwa	0.60	0.38	.....	5.18	3.43	3.72	5.29	1.76	2.40	1.17	1.46	2.11	.....
Pella	0.44	0.22	3.07	6.55	2.37	1.42	4.19	1.61	4.84	0.53	0.94	1.03	27.71
Perry	0.21	0.82	1.64	3.76	2.04	1.96	6.80	4.62	5.18	2.56	2.42	0.55	32.58
Pocahontas	0.30	0.79	2.29	4.47	1.94	5.41	5.36	3.96	1.39	1.78	1.88	0.76	30.33
Postville	0.99	0.40	2.90	4.72	3.42	4.23	1.77	4.04	5.11	3.65	2.76	1.78	35.77
Rock Rapids	0.19	1.04	3.16	4.67	3.29	5.23	4.60	3.38	2.61	2.46	2.54	1.08	34.25
Rockwell City	0.31	0.68	2.33	4.18	1.79	2.73	5.98	4.26	.....	1.97	3.21	0.93	.....
Sac City	0.40	0.72	1.29	4.03	2.32	4.49	2.72	4.63	2.64	2.35	1.99	0.90	28.48
Sanborn	0.44	0.35	2.71	4.50	4.27	3.48	4.28	1.80	4.97	1.55	2.21	1.00	31.56
Sigourney	0.44	0.29	4.74	4.47	2.13	2.56	3.12	1.23	2.35	0.63	1.36	1.86	25.18
Sioux Center	0.50	0.30	2.26	5.35	4.83	3.40	2.31	2.42	2.61	1.76	2.47	0.80	29.51
Sioux City	0.33	0.67	2.38	6.35	3.82	3.06	3.89	4.30	1.94	2.36	1.46	1.40	31.96
Spencer	0.42	0.40	3.20	4.34	3.82	2.01	5.55	4.83	3.57	2.12	2.18	0.85	33.29
Stockport	0.30	0.20	5.17	5.83	4.39	2.89	7.49	1.46	2.86	1.35	1.36	1.92	35.22
Storm Lake	0.11	0.66	2.26	5.76	3.62	4.16	5.92	1.94	3.71	2.56	2.39	0.90	33.99
Thurman	0.75	0.95	0.84	4.99	4.35	2.60	3.54	2.09	1.10	2.30	2.88	1.25	27.64
Tipton	0.44	0.08	3.95	4.80	2.89	3.09	3.59	2.66	1.47	1.53	1.79	2.40	28.74
Toledo	0.58	0.34	3.44	4.86	4.17	2.60	3.42	4.35	3.24	2.06	2.53	1.31	32.90
Van Meter (near)	.....	.....	2.98	4.12	3.18	1.79	3.70	3.66	2.91	1.70	1.85	0.15	.....
Washington	0.52	0.25	4.60	5.83	3.22	2.55	2.41	2.60	1.89	1.26	1.13	2.17	28.43
Washta	0.20	0.30	2.22	4.80	2.86	7.58	3.97	4.22	1.80	2.91	1.01	0.88	32.75
Waterloo	0.34	0.28	2.40	3.52	3.55	4.98	4.97	4.43	1.71	2.42	3.27	1.21	33.08
Waukee	0.37	0.97	3.65	4.78	3.84	2.75	6.70	2.27	3.76	1.39	1.83	0.70	33.01
Waverly	0.63	0.77	3.27	4.99	2.67	3.56	5.14	3.99	2.20	3.06	2.75	1.48	34.51
Webster City	0.30	0.76	1.78	3.95	4.58	2.93	3.92	3.12	4.69	2.67	2.87	0.90	32.47
West Bend	0.36	0.93	2.87	4.94	2.47	5.06	6.09	5.72	1.38	2.22	2.90	0.53	35.47
Whitten	0.24	0.30	.....	.....	.....	.....	.....	1.48	.....	.....	.....	.....	.....
Williamsburg	0.61	0.23	4.55	5.02	2.72	3.51	2.15	1.03	1.85	0.48	1.18	1.44	24.77
Winterset	0.48	1.02	2.54	5.02	2.77	1.94	3.95	2.16	3.33	1.42	1.62	0.95	27.20
Kansas.													
Abilene	0.25	0.24	0.67	3.23	3.83	2.77	2.89	2.77	1.72	1.12	1.63	0.82	21.94
Agricultural College	0.12	0.57	0.61	4.17	1.75	2.24	4.83	6.76	4.39	0.90	2.20	1.35	29.89
Alden	0.10	0.93	1.97	2.09	2.62	1.06	0.96	3.49	1.81	2.18	1.84	1.69	20.74
Alton	T.	0.65	T.	3.16	2.79	0.57	1.59	3.51	1.15	2.11	1.24	0.35	17.12
Anthony	0.79	0.14	1.15	0.61	3.23	1.70	3.37	10.81	3.68	2.99	2.35	1.86	32.68
Arkansas City	1.55	0.03	.....	1.99	3.54	5.80	3.79	11.70	3.87	6.68	3.38	1.37	.....
Ashland	0.30	0.04	0.34	1.58	4.50	1.65	3.68	3.01	3.23	7.26	2.10	1.14	28.83
Atchison	.....	0.23	3.54	4.48	1.95	2.93	5.47	3.13	5.41	1.90	3.06	1.00	.....
Atwood	0.16	0.18	0.29	5.07	1.63	4.39	1.12	2.48	2.53	1.84	0.37	0.78	20.84
Bazaar	0.10	0.10	1.52	2.30	1.46	4.28	1.68	7.27	3.47	2.58	1.39	1.00	27.15
Beloit	0.04	0.87	0.47	2.86	2.15	1.50	3.38	4.21	0.56	2.34	0.93	0.44	19.75
Bird City	0.14	0.13	0.81	3.40	2.59	2.62	1.13	2.32	3.39	0.97	0.25	0.38	18.13
Blue Rapids	0.02	0.84	1.83	4.91	1.88	0.74	2.72	3.30	3.63	1.47	2.01	1.24	24.59
Burlington	0.32	0.15	3.74	1.85	3.55	4.46	2.75	8.19	2.90	3.70	0.88	1.26	33.75
Burr Oak	0.04	0.92	0.50	4.54	2.34	1.35	4.47	10.16	5.10	3.21	2.15	0.42	35.20
Cawker City	0.11	0.80	0.18	3.68	4.32	0.44	3.65	5.17	0.82	2.75	1.33	0.36	23.61
Centralia	0.23	0.78	1.00	5.03	1.96	3.11	3.32	3.59	2.62	1.10	2.73	1.14	26.61
Chanute	0.98	0.21	4.98	2.23	4.46	3.42	3.21	10.36	3.96	4.30	0.92	1.26	40.29
Chapman	.....	0.68	0.61	3.84	2.72	2.20	2.82	3.77	2.13	0.80	1.73	1.23	.....
Cimarron	0.04	0.15	0.23	1.21	2.45	2.46	5.61	1.69	2.46	3.67	0.76	0.51	21.24
Clay Center	0.15	0.85	0.25	2.81	2.13	2.42	3.70	4.31	0.30	0.90	1.80	0.92	20.54
Clyde	0.13	1.74	0.80	3.67	3.20	0.80	3.98	3.98	1.45	1.08	2.20	1.11	24.14
Colby	0.23	0.31	0.46	4.49	2.74	5.55	4.09	3.19	2.56	2.71	0.27	1.31	27.91
Coldwater	0.16	0.09	0.71	1.46	4.77	1.48	3.19	1.56	3.38	5.74	1.62	1.21	25.37
Columbus	1.56	0.33	4.36	1.46	6.80	2.39	2.07	9.14	5.29	4.68	1.35	1.05	40.48
Concordia	0.12	0.73	0.47	2.82	3.50	0.84	4.90	5.15	0.36	1.61	1.47	0.58	22.55
Council Grove	0.07	0.12	1.85	3.49	1.64	4.91	3.82	5.00	2.98	1.90	2.47	1.28	29.53
Dalton	1.50	0.15	3.98	1.29	3.13	4.25	5.01	7.52	4.93	4.96	1.27	1.93	39.93
Deerfield (near)	T.	0.27	0.32	1.37	2.40	3.39	4.11	3.09	3.77	1.92	0.43	0.20	21.27
Dodge City	0.07	0.09	0.43	1.75	3.47	2.08	3.79	2.43	3.34	3.58	1.13	0.81	22.97
Dresden	0.34	0.51	0.21	2.84	2.20	2.44	1.85	3.04	1.13	3.69	0.14	0.57	18.96
El Dorado	0.57	T.	.....	1.83	2.57	2.26	6.12	9.23	3.47	3.49	2.56	1.79	.....
Elkhart	0.50	T.	T.	1.00	2.69	2.99	1.41	2.15	1.74	1.77	0.25	0.20	14.70
Ellinwood	0.17	0.74	0.62	3.54	4.01	2.62	2.37	2.79	1.51	2.12	1.69	1.01	23.19
Ellsworth	0.08	0.98	0.76	3.49	5.34	1.45	1.99	.....	.....	1.99	1.86	0.96	.....
Emmett	0.14	0.02	1.62	4.85	2.34	1.71	4.72	4.00	2.58	1.85	2.67	1.36	27.86
Emporia	0.06	0.11	3.36	3.15	2.15	4.65	3.29	5.51	5.56	2.73	1.29	1.24	33.10
Eskridge	0.19	0.30	.....	.....	.....	.....	6.76	5.13	4.38	2.56	2.38	1.25	.....
Eureka	.....	0.00	3.62	1.70	2.64	2.13	3.05	7.23	4.04	2.80	1.25	1.14	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kansas—Continued.													
Fort Riley	0.13	.....	0.85	2.45	3.67	1.35	3.24	3.03	2.41	1.37	1.96	1.34	.....
Fort Scott	1.10	0.15	5.55	2.86	4.77	3.31	2.24	4.24	5.30	5.57	1.24	0.86	37.19
Fredonia	0.65	0.38	4.89	1.53	2.81	3.29	2.89	5.42	3.58	4.13	1.77	1.22	32.56
Garden City	0.20	0.23	0.21	1.52	2.22	3.79	4.05	3.78	2.00	2.60	0.68	0.33	21.61
Garnett	0.60	0.19	4.14	2.26	4.98	4.74	1.52	7.34	4.40	3.00	0.76	0.86	34.79
Goodland	0.13	0.17	0.71	4.34	1.49	2.59	4.71	2.01	2.26	1.26	0.25	0.48	20.40
Gove	0.02	0.11	0.11	2.41	2.69	2.59	0.95	1.37	4.24	2.52	0.38	0.44	17.83
Greensburg	0.15	0.05	0.64	1.87	3.99	1.65	3.27	4.15	1.96	3.89	1.72	0.96	24.30
Grenola	0.85	0.03	3.22	2.13	6.48	3.83	6.91	5.15	2.83	4.74	2.26	1.68	40.11
Hanover	T.	1.16	0.55	3.43	.....	.....	.....	2.86	2.24	1.32	1.80	1.19	.....
Hays	0.05	0.37	0.30	2.04	3.32	1.87	1.89	5.11	1.56	3.58	0.73	0.46	21.28
Healy	T.	0.07	0.19	1.76	2.15	2.67	2.34	1.26	2.81	2.56	0.67	0.43	16.91
Herington	0.11	0.15	2.07	2.64	1.52	3.91	.....	.....	.....	0.81	.....	.....	.....
Hill City	0.06	0.26	0.06	2.56	3.12	2.38	1.53	3.46	0.98	2.57	0.50	0.43	17.91
Holton	0.42	0.33	2.29	3.24	2.76	3.46	4.56	3.11	5.20	1.52	3.39	1.63	32.11
Horton	0.11	0.40	1.90	5.19	2.39	2.17	4.51	3.15	5.01	1.39	2.08	1.23	29.53
Howard	0.80	T.	3.35	0.25	2.84	3.00	4.04	5.41	3.45	4.10	2.06	2.05	31.35
Hoxie	T.	T.	0.03	2.59	2.48	2.77	2.76	2.47	1.93	2.69	0.19	0.50	18.41
Hugoton	0.41	0.09	0.26	1.03	3.15	3.41	1.75	2.87	2.97	3.34	0.45	0.80	20.53
Hutchinson	0.17	0.46	1.05	1.56	5.23	0.97	0.98	1.99	2.87	1.80	1.52	1.84	20.44
Independence	1.44	0.37	5.31	2.74	5.76	4.06	0.88	3.73	3.65	4.08	1.50	1.10	34.62
Iola	0.76	0.15	5.36	2.01	4.71	3.59	4.13	7.55	4.18	4.09	1.35	0.89	38.77
Irene	0.20	0.08	0.20	0.81	2.45	2.53	1.66	3.78	2.22	1.16	0.31	0.57	15.97
Jetmore	0.01	0.13	0.31	1.69	3.78	.....	2.14	3.92	2.65	3.26	0.72	0.70	.....
Johnson	0.08	T.	0.25	0.85	2.73	1.81	1.93	2.60	1.80	1.20	0.61	0.10	13.96
Kismet (near)	0.07	T.	0.32	1.02	3.47	2.55	2.47	4.87	3.08	3.18	0.27	0.74	22.04
La Crosse	.....	.....	0.07	2.09	3.58	1.83	1.30	.....	1.53	4.37	0.89	0.75	.....
Lakin	0.08	0.08	0.18	1.00	2.71	2.12	3.00	1.42	1.76	1.51	0.20	0.14	14.20
Larned	T.	0.38	0.35	2.35	5.43	2.19	2.56	4.02	2.98	4.32	1.37	0.71	26.66
Lawrence	0.27	0.22	1.73	2.81	5.03	5.07	9.40	4.73	5.36	1.98	1.13	1.43	39.16
Leavenworth	T.	0.85	3.85	5.76	1.51	4.10	7.30	1.95	4.33	1.75	2.19	1.33	34.92
Lebo	0.32	0.20	2.95	2.56	3.04	4.12	2.45	7.69	5.27	4.30	0.73	1.32	34.95
Leoti	0.05	0.10	0.60	2.77	2.94	2.07	2.10	2.00	2.52	2.23	0.33	0.50	18.21
Le Roy	0.41	0.15	4.14	2.05	3.87	3.26	4.52	7.34	4.80	2.32	1.52	0.95	35.33
Liberal	0.16	T.	0.39	1.12	3.36	2.79	3.49	4.42	2.66	5.02	0.88	0.87	25.16
Lincoln	0.05	1.03	1.11	3.46	3.29	2.25	4.16	1.63	0.53	1.95	2.10	0.90	22.46
Lindsborg	0.14	1.28	1.67	4.90	3.60	2.01	2.40	3.27	1.51	1.77	1.94	1.33	25.82
McFarland	.....	.....	1.47	3.25	1.85	3.97	6.73	4.27	5.44	1.63	2.37	1.69	.....
McPherson	0.15	1.07	1.71	3.59	2.58	5.34	3.88	2.02	2.77	2.01	2.28	1.50	28.90
Macksville	0.10	0.03	0.85	2.73	3.61	2.73	2.03	3.69	4.36	3.66	1.43	0.98	26.20
Manhattan	0.20	0.47	0.57	4.47	1.75	2.14	4.76	6.18	4.25	1.20	2.27	1.42	29.68
Marion	0.19	0.65	1.05	3.46	3.25	4.69	4.35	5.17	0.53	1.75	2.15	1.63	28.87
Medicine Lodge	0.27	0.57	0.66	1.04	3.28	2.41	1.43	7.84	3.57	3.26	1.60	1.48	27.41
Medora	0.42	0.80	2.07	2.73	4.42	0.80	2.13	1.90	4.48	1.84	1.55	1.98	25.12
Minneapolis	0.10	1.08	1.07	3.32	3.07	2.27	3.78	4.51	0.99	1.78	2.04	1.32	25.33
Minneola	0.06	T.	0.04	1.53	3.77	2.82	5.70	5.47	3.17	3.79	1.40	0.87	28.62
Mount Hope	0.37	0.50	1.24	1.95	2.73	0.99	2.84	5.15	4.00	1.64	1.94	1.80	25.15
Neosho Rapids	0.14	0.24	2.80	2.01	3.78	4.61	2.69	5.29	6.14	2.98	0.91	0.99	32.58
Newton	0.12	0.21	0.97	2.86	3.67	3.03	4.91	1.42	2.33	1.88	1.92	1.12	24.44
Ness City (near)	0.02	0.27	0.17	1.54	4.15	1.49	1.97	3.58	1.76	3.93	0.51	0.66	20.05
New Ulysses	0.02	T.	0.03	0.73	3.03	2.22	2.49	3.46	3.44	2.20	0.54	0.35	18.51
Norton (near)	0.25	0.10	T.	2.77	2.81	2.23	2.75	3.12	0.90	3.30	0.65	0.40	19.28
Norwich	0.21	0.67	1.52	1.07	1.94	2.82	2.09	5.09	4.90	2.32	2.35	2.11	27.09
Oakley	.....	.....	0.41	1.98	2.67	2.96	1.87	2.29	4.17	3.10	0.01	.....	.....
Oberlin	0.09	0.18	0.25	3.62	1.89	3.41	1.19	4.49	0.99	2.29	0.48	0.21	19.09
Oketo	0.07	0.34	0.61	3.70	2.55	2.72	3.45	2.61	1.20	1.56	1.60	1.18	20.99
Olathe	0.19	0.05	4.44	3.17	2.78	5.97	3.77	6.21	5.99	2.18	1.73	0.90	37.38
Osage City	0.05	0.31	2.50	2.42	4.57	9.05	3.69	4.94	6.05	3.17	1.96	1.95	40.66
Oswego	1.10	T.	5.12	2.20	5.03	2.68	1.80	6.94	4.27	5.97	1.73	0.86	37.70
Ottawa	0.25	0.41	3.94	3.66	4.28	4.94	3.15	4.32	10.26	3.38	0.79	0.85	40.23
Paola	0.51	0.09	4.64	3.87	2.51	3.18	3.49	8.98	6.58	2.30	0.93	0.93	38.01
Phillipsburg	0.04	0.24	0.06	4.37	3.59	2.06	2.85	5.50	1.26	3.10	0.70	0.53	24.30
Pittsburg	1.60	0.45	5.23	1.88	5.65	1.70	2.33	7.46	6.24	4.22	1.05	1.00	38.81
Plains	0.10	T.	0.32	1.40	4.05	3.07	2.60	3.05	2.60	4.50	1.05	0.65	23.39
Plainville	0.26	0.72	0.31	3.06	2.50	1.89	1.64	3.33	2.12	3.24	1.10	0.32	20.49
Pleasanton	0.71	0.07	4.62	3.69	3.57	2.61	3.27	7.21	5.63	3.32	1.15	0.88	36.73
Pratt	.....	0.35	0.90	2.26	4.15	2.76	3.60	5.25	3.11	4.28	1.86	1.30	.....
Quenemo	0.56	0.28	3.19	2.39	2.44	7.11	2.33	2.33	10.84	3.71	1.01	1.30	37.49
Randolph	0.09	0.85	0.66	3.78	1.18	1.51	5.05	3.37	2.28	1.00	2.47	1.18	23.42
Republic	T.	1.11	T.	3.87	1.72	0.94	3.01	2.94	1.69	4.60	1.58	0.23	21.69
Reading	0.31	0.28	3.17	3.64	2.49	6.65	4.47	5.69	4.58	3.67	1.19	1.45	37.39
Richfield	0.40	0.19	0.20	0.72	2.85	2.38	1.33	4.70	6.34	1.60	0.48	1.00	22.19
Russell	T.	0.28	0.05	2.84	3.69	1.76	1.75	2.14	1.68	2.12	0.70	0.75	17.76
St. Francis	0.03	0.42	0.47	4.79	1.63	3.61	1.15	4.97	4.12	1.57	0.07	0.62	23.45
Salina	0.19	1.38	0.98	4.83	3.35	2.84	2.67	6.27	2.03	1.09	2.01	1.09	28.73
Scott City	T.	0.24	0.40	2.38	3.02	3.73	1.94	0.96	1.61	2.08	0.78	0.18	17.32
Sedan	1.65	0.17	5.02	2.68	5.83	4.35	3.03	3.10	2.03	5.74	2.23	1.82	37.65
Sedgwick	0.26	0.23	0.97	1.48	4.85	2.46	3.13	3.53	2.94	2.13	2.22	1.61	25.81
Smith Center	.....	.....	.....	3.89	2.91	1.48	2.04	5.61	0.90	2.08	1.24	0.27	.....
Sublette	0.10	0.12	0.19	1.18	2.07	3.68	2.50	4.01	5.99	3.00	0.50	0.63	23.97
Syracuse	0.02	0.01	0.06	1.13	3.36	2.05	3.34	1.99	2.00	.....	.....	.....	.....
Topeka	0.24	0.17	3.28	4.44	2.23	3.43	6.63	4.98	4.02	2.19	2.05	1.41	35.07
Toronto	1.63	0.06	2.53	2.79	4.32	4.22	3.48	8.03	2.74	3.13	0.94	1.21	35.08
Tribune	0.02	0.07	0.25	0.89	2.40	1.86	2.38	1.48	2.43	1.29	0.30	0.78	14.13
Trousdale	0.02	0.09	0.65	2.08	2.94	1.84	4.54	4.54	2.65	3.97	1.34	0.82	25.48
Valley Falls	0.17	0.07	4.05	4.40	2.83	3.55	3.67	2.33	4.45	1.88	2.33	1.03	30.76
Vinland	0.07	0.10	2.74	3.20	3.18	4.72	6.12	5.60	7.73	3.21	1.12	1.12	38.91
Wakeeney	T.	0.27	T.	2.73	3.86	2.79	1.01	3.20	1.27	2.76	0.70	0.54	19.13
Wallace	0.11	0.03	0.29	1.66	1.23	1.23	3.70	2.47	1.65	1.84	0.14	0.50	14.85
Walnut	1.16	.....	6.01	4.39	7.60	.....	4.25	13.19	6.61	6.18	1.20	0.59	.....
Wamego	0.25	0.34	1.55	4.42	2.46	2.03	5.67	2.60	4.04	1.41	2.37	1.42	28.56
Wheaton	0.12	0.52	1.53	5.78	1.69	2.49	3.95	2.60	3.76	1.39	3.23	1.51	28.57
Wichita (Weather Bureau)	0.41	0.32	1.13	1.56	2.97	3.76	4.05	4.40	4.16	2.75	2.68	1.76	29.95
Wichita (Evaporation Station)	.....	.....	.....	1.89	3.07	3.70	2.18	4.49	4.57	2.53	.....	.....	.....
Winfield	0.87	T.	2.60	1.77	3.13	6.46	2.41	10.89	3.22	4.71	1.41	1.44	38.91
Yates Center	0.88	0.20	2.86	2.50	2.64	4.21	2.37	6.56	2.61	2.98	1.05	0.91	29.77

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kentucky.													
Ages	.....	.....	5.06	5.49	2.60	5.09	5.16	8.52	3.36	1.93	3.83	4.61	.....
Alpha	8.00	.....	.....	.....	.....	.....	4.09	6.88	3.29	.....	2.78	2.91	.....
Anchorage	5.81	1.24	5.59	5.10	3.31	1.85	2.34	8.88	1.95	2.80	3.56	1.52	43.95
Ashland	5.51	1.83	3.52	5.98	2.25	3.02	4.34	2.79	2.94	1.06	2.14	1.83	37.21
Bardstown	7.36	3.18	5.52	5.55	3.92	2.59	2.97	5.99	2.55	1.23	1.68	1.44	43.98
Beattyville	8.41	2.43	3.83	4.17	2.60	4.12	3.54	4.83	3.59	1.00	3.16	2.25	43.93
Beaver Dam	3.60	1.48	3.39	6.32	6.10	1.81	3.03	5.45	4.86	1.05	1.15	2.57	40.81
Berea	8.41	2.99	3.83	6.71	4.42	3.14	2.61	4.21	4.45	1.05	2.70	2.77	47.29
Blandville	6.25	2.45	4.43	3.75	5.25	3.42	4.10	2.59	1.74	1.97	0.92	5.54	42.41
Bowling Green	11.08	2.85	4.69	7.48	6.74	2.40	6.71	4.08	4.64	1.75	1.90	4.30	58.62
Brownsville	10.45	2.71	4.78	8.07	5.01	2.82	3.05	7.18	5.75	1.07	1.78	3.26	55.93
Burnside	8.24	4.80	5.74	5.56	4.36	4.95	3.78	5.92	6.73	0.85	2.43	3.08	57.04
Calhoun	6.44	1.98	5.85	6.27	6.10	3.34	6.12	4.57	2.05	1.16	1.94	3.17	48.99
Camp Henry Knox	.....	.....	.....	5.33	2.92	1.72	2.93	5.92	.....	2.21	2.50	2.44	.....
Carrollton	4.26	1.21	5.03	8.12	3.67	3.07	2.04	5.58	2.53	2.04	2.53	1.44	41.52
Cloverport	5.31	1.03	6.81	7.17	5.42	1.76	5.17	4.48	3.85	2.58	2.88	3.05	49.01
Cynthiana	5.20	1.70	5.42	8.20	2.65	3.30	2.10	7.05	2.30	2.40	1.80	2.15	44.27
Earlington	6.86	1.69	3.97	6.17	5.58	2.30	3.53	3.68	2.96	1.30	1.55	3.28	42.87
Eubank	7.44	3.73	3.50	7.24	5.04	3.14	4.13	7.63	2.58	0.91	2.06	2.52	49.92
Falmouth	5.19	1.58	5.44	5.68	4.96	3.15	3.34	9.67	3.24	2.24	1.73	1.85	48.07
Farmers	6.20	1.91	4.36	6.52	2.87	4.94	6.28	5.75	2.45	1.30	1.70	2.08	46.36
Frankfort	6.36	1.84	5.33	8.16	2.78	3.41	1.85	4.75	3.89	1.63	1.70	1.25	42.95
Franklin	7.71	4.92	5.48	9.17	3.76	3.10	4.03	9.45	1.79	0.72	2.53	3.30	55.96
Greensburg	9.81	3.38	4.36	8.44	4.27	2.69	3.47	8.19	5.90	2.53	2.17	3.30	58.51
Greenville	7.96	2.25	3.96	6.96	4.70	2.20	5.20	5.50	3.29	1.04	1.06	3.52	47.64
Harlan	5.82	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Henderson	3.84	0.89	7.03	3.65	6.56	4.98	4.04	3.20	3.24	2.38	1.35	5.10	46.26
High Bridge	7.53	2.62	4.00	6.83	3.62	2.66	3.45	8.03	4.23	2.44	1.45	2.07	48.93
Hopkinsville	10.82	2.59	4.85	5.35	4.17	5.16	1.80	5.04	1.60	0.40	1.81	3.68	47.27
Irvington	6.38	1.21	6.07	6.01	3.40	1.43	5.07	3.90	3.27	1.13	2.60	2.23	42.70
Jackson	7.89	0.79	3.15	3.40	2.56	5.13	4.92	.....	3.20	1.50	2.77	3.55	.....
Junction City	8.82	4.07	5.18	9.35	5.36	3.27	3.95	5.99	2.93	2.32	2.33	3.64	57.21
Leitchfield	7.43	2.11	4.98	5.81	3.70	1.87	5.03	4.94	3.52	1.27	1.87	2.23	44.76
Lexington	5.26	2.11	4.62	6.42	2.51	2.39	1.73	6.71	4.88	2.75	2.22	1.40	43.00
London	8.76	3.91	4.24	5.66	5.03	4.25	5.03	4.62	3.19	0.60	2.18	2.62	50.09
Louisa	7.05	1.99	3.29	4.58	3.07	.....	2.94	2.80	2.31	0.76	2.45	2.43	.....
Louisville (Weather Bureau)	4.77	0.79	5.49	5.16	2.53	1.72	2.13	4.78	1.79	1.55	3.35	2.09	36.15
Louisville (No. 2)	4.96	1.15	6.22	4.77	3.04	1.45	2.02	5.57	2.17	1.76	3.20	2.11	38.42
Marion	5.60	1.48	5.29	3.47	6.35	0.70	3.23	3.46	2.05	2.18	1.23	4.69	39.73
Mayfield	.....	2.33	.....	5.72	4.90	2.55	4.77	3.04	.....	0.15	1.41	4.27	.....
Maysville	5.77	1.85	4.97	7.78	5.13	2.94	7.92	6.95	5.14	2.13	2.10	1.89	54.57
Middlesboro	6.33	4.43	7.40	6.15	2.03	6.32	4.88	8.00	4.01	1.73	4.63	5.15	61.06
Mount Sterling	5.45	1.74	5.07	7.87	2.39	1.99	3.97	9.47	3.71	2.09	2.46	2.27	48.48
Oliver	5.03	2.60	3.71	6.39	2.54	5.91	5.29	1.79	1.69	1.07	2.69	1.77	40.48
Owensboro	4.89	1.03	5.76	4.11	3.83	3.30	3.94	2.95	3.55	1.88	2.16	2.35	39.75
Paducah	5.84	2.22	4.72	4.76	5.23	2.18	4.16	6.12	3.72	2.92	0.98	5.74	48.59
Paducah (Lone Oak)	6.38	2.72	4.99	5.26	5.00	2.51	4.15	4.64	5.02	4.00	1.14	7.02	52.83
Pikeville	7.68	3.00	4.26	5.38	3.90	6.06	3.82	5.24	3.02	1.48	4.10	3.32	51.26
Princeton	.....	.....	.....	4.84	7.24	1.01	4.90	3.67	1.10	1.94	1.64	3.98	.....
Richmond	7.70	2.42	3.76	6.49	3.64	2.93	5.47	6.23	3.97	1.91	2.58	2.30	49.40
Russellville	11.43	2.50	4.42	7.95	3.45	1.89	3.20	.....	.....	.....	.....	.....	.....
St. John	6.88	2.24	4.90	5.70	4.52	1.51	3.17	7.04	2.83	1.56	1.89	2.26	44.50
Scott	3.42	1.81	4.43	6.05	5.55	2.96	2.76	6.49	2.26	1.77	2.67	1.44	41.61
Shelbyville	5.82	1.43	6.14	5.98	2.15	4.07	1.95	5.52	2.10	1.08	2.66	1.16	40.06
Taylorsville	6.96	2.03	5.97	6.10	2.31	4.39	2.02	5.31	2.90	0.73	1.94	1.84	42.50
Vanceburg	5.02	1.48	4.74	7.99	3.65	3.01	5.81	5.31	3.47	2.16	2.01	1.74	46.39
Williamsburg	7.74	4.74	4.18	5.71	3.50	4.27	2.53	8.89	5.20	0.58	2.85	3.73	53.92
Williamstown	3.01	0.80	4.43	6.21	3.66	4.71	2.38	8.46	2.97	2.27	2.18	1.46	42.54
Woodbury	9.35	2.34	3.53	6.66	4.69	2.08	3.91	10.96	3.79	1.41	1.46	3.05	53.23
Louisiana.													
Alexandria	8.75	2.37	6.43	6.01	3.30	3.47	5.27	6.95	4.05	3.73	3.90	10.40	64.63
Amite	6.60	3.40	2.50	5.80	3.25	4.75	5.05	6.55	4.15	2.60	1.75	8.40	54.80
Angola	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.14	2.13	.....	.....
Avoca Island	4.81	2.04	1.73	2.56	4.35	5.11	9.14	7.98	5.08	3.29	3.35	8.61	58.05
Baton Rouge	5.98	4.93	2.74	5.87	3.78	4.49	5.10	7.61	3.37	1.84	2.24	8.65	56.60
Burrwood	6.00	2.24	.....	5.34	7.64	8.59	10.55	8.79	5.76	5.71	3.12	6.02	.....
Calhoun	6.87	2.02	6.16	8.72	8.51	4.61	8.65	3.94	4.78	4.41	4.73	7.66	71.06
Cheneyville	5.69	3.13	3.49	3.16	3.31	2.61	5.22	7.51	2.26	2.79	6.55	11.04	57.36
Cinclare	5.96	5.12	2.33	6.04	3.15	6.22	9.61	9.68	3.20	1.59	2.54	8.84	64.28
Clinton	5.78	3.78	3.39	3.08	2.65	2.40	9.00	5.69	5.81	2.88	3.07	14.63	62.16
Coushatta	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.35	5.39	5.14	.....
Covington	6.35	7.45	3.24	4.59	6.40	.....	8.58	10.40	6.45	2.40	3.20	7.57	.....
Delta Farms	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.00	.....	.....	.....
Dodson	7.22	2.78	6.11	5.14	4.53	6.10	5.69	6.48	2.12	1.55	4.36	7.87	59.95
Donaldsonville	6.58	5.59	2.24	3.81	2.45	5.06	11.37	4.03	5.97	2.36	4.08	11.62	65.16
Dutchtown	6.20	6.30	3.47	2.78	2.34	7.20	10.26	7.85	.....	.....	.....	.....	.....
Easton	.....	.....	.....	.....	5.45	7.20	.....	.....	.....	.....	.....	.....	.....
Franklin	7.83	3.57	1.84	2.16	1.59	7.40	10.44	6.99	2.94	3.54	3.94	14.39	63.63
Franklinton	4.87	3.20	3.00	2.20	6.80	4.50	.....	3.00	4.75	.....	.....	13.65	.....
Grand Cane	6.20	1.23	4.63	4.72	2.66	2.51	4.72	2.50	2.98	3.12	4.45	5.83	45.55
Grand Coteau	4.02	3.61	1.76	3.00	2.60	3.21	8.84	.....	.....	1.19	2.18	.....	.....
Hammond	.....	7.30	4.95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Houma	6.03	2.07	2.43	2.80	7.77	7.03	12.03	8.37	6.19	4.47	3.90	9.55	72.64
Jeanerette	6.73	3.99	2.08	2.36	4.74	8.11	14.05	9.50	1.58	3.66	2.99	11.80	71.68
Jennings	6.48	3.60	1.33	5.54	3.79	4.70	8.38	10.05	2.31	4.98	5.37	10.42	86.95
Kelly (near)	11.26	2.56	5.59	5.23	4.35	3.10	4.75	5.63	4.96	4.04	3.62	10.04	65.13
Lafayette	6.55	5.10	1.94	4.46	3.53	5.22	10.85	8.34	2.81	2.76	4.26	11.39	67.21
Lake Charles	7.91	3.12	3.22	1.27	4.86	7.38	7.80	8.60	3.57	3.62	5.14	7.86	64.35
Lakeside	6.86	3.40	1.00	5.10	4.20	9.80	11.27	6.89	3.21	7.40	5.48	13.90	78.51
Lawrence	6.52	3.50	4.80	.....	2.12	.....	.....	.....	.....	.....	.....	.....	.....
Logansport	7.35	1.25	.....	3.47	1.93	2.32	4.32	.....	.....	.....	.....	.....	.....
Ludington	.....	.....	.....	.....	.....	.....	.....	12.87	.....	3.39	3.26	9.20	.....
Melville	6.45	4.50	3.30	4.50	4.90	1.70	10.20	9.15	2.20	2.10	1.10	11.25	62.35
Merryville	9.18	3.74	3.41	6.83	6.34	3.14	4.85	7.06	4.08	.....	.....	7.03	.....
Minden	7.98	1.35	5.76	8.87	5.35	5.14	8.85	2.45	2.92	3.04	4.05	5.80	61.56

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Louisiana—Continued.													
Monroe	9.40	3.13	7.17	11.74	7.22	3.03	11.95	5.00	3.00	3.39	6.35	8.18	79.56
Morgan City	5.30	1.77	1.34	2.33	3.84	5.30	12.19	7.08	4.35	4.56	2.94	8.72	59.72
Newellton	7.53	2.67	4.27	7.99	7.26	7.31	6.98	6.63	2.04	2.79	2.87	8.12	66.46
New Iberia	6.85	4.10	2.80	2.95	5.40	7.70	14.85	7.20	2.00	4.08	3.15	10.12	71.20
New Llano	.....	1.78	3.90	2.40	2.15	1.80	6.95	6.95	2.15	1.35	5.00	6.45	.....
New Orleans (Weather Bureau)	5.66	3.60	3.28	7.84	4.08	8.45	6.20	4.18	6.47	3.59	3.03	8.70	65.68
New Orleans (No. 2)	6.20	4.66	3.08	6.50	6.60	6.67	5.77	4.95	9.95	2.63	3.13	8.50	68.64
New Orleans (No. 3)	4.46	3.38	2.28	4.65	5.44	5.87	6.28	3.37	7.42	2.59	2.74	8.15	56.63
New Orleans (No. 5)	5.44	4.06	3.36	6.88	5.72	8.66	5.22	4.82	9.47	2.88	2.85	8.68	68.04
New Orleans (No. 6)	5.85	3.72	3.74	8.22	4.16	9.10	6.65	3.89	8.19	3.77	3.11	8.99	69.39
New Orleans (No. 7)	5.59	3.31	2.44	4.48	5.30	7.34	3.50	3.91	6.33	3.26	3.09	8.86	57.41
New Orleans (No. 8)	5.10	3.44	2.87	7.38	4.41	7.82	6.24	3.36	6.27	3.21	2.83	7.90	60.83
Paradis	5.45	1.48	4.47	3.75	1.15	6.00	10.70	7.81	7.54	3.75	3.75	9.05	64.90
Pearl River	4.86	7.04	2.66	4.88	7.93	4.26	9.06	3.77	8.02	2.00	3.89	8.34	66.71
Plain Dealing	8.67	1.74	4.75	7.34	5.77	2.41	13.97	2.88	2.67	2.62	5.38	4.45	62.65
Rayne	7.70	4.50	2.20	3.20	2.60	5.60	7.50	10.50	5.40	4.20	1.60	.....	.....
Reserve	5.90	4.95	2.25	3.10	5.00	7.05	6.05	7.95	.....	3.40	4.05	10.80	.....
Richland Plantation	6.91	2.27	5.58	3.80	3.25	4.38	3.59	3.99	3.64	3.43	3.36	9.81	54.01
Robeline	8.20	1.20	3.95	4.50	2.90	3.25	5.40	1.38	2.10	2.50	3.90	3.77	43.05
Ruston	5.95	1.45	3.23	10.10	6.37	1.63	2.52	4.75	1.60	3.04	4.40	4.55	49.59
St. Francisville	7.96	4.25	.....	5.25	.....	.....	.....	.....	.....	.....	.....	.....	.....
Schriever	6.50	3.20	3.00	4.10	6.10	7.10	9.90	8.70	6.50	3.00	5.30	12.50	75.90
Shreveport	7.06	1.43	5.08	4.01	5.18	5.23	4.02	2.82	1.10	2.89	2.15	6.37	47.34
Simmesport	4.17	.....	.....	4.10	5.48	2.23	12.31	8.95	2.90	3.17	5.60	11.45	.....
Ten Mile	7.96	2.13	3.81	2.28	7.09	4.00	5.79	8.23	6.64	2.43	3.82	9.71	63.89
Maine.													
Ashland	1.67	3.34	1.99	4.03	0.78	6.07	4.20	2.76	5.14	4.68	2.78	4.74	42.18
Bar Harbor	3.16	6.67	5.23	11.05	2.33	3.13	.....	.....	.....	.....	.....	.....	.....
Cornish	2.20	5.63	5.19	7.17	2.99	2.95	4.25	5.83	6.99	1.29	4.88	6.86	56.23
Eastport	2.07	6.40	4.36	4.21	1.26	1.95	1.23	2.10	3.38	2.18	2.52	3.31	34.97
Eustis	1.59	3.60	2.97	3.08	1.38	4.02	4.40	3.32	4.61	2.43	4.04	5.27	40.71
Farmington	1.54	6.01	3.24	0.57	2.26	2.08	3.34	7.20	6.70	2.51	6.01	8.81	56.27
Gardiner	1.40	5.62	3.70	7.87	2.07	2.74	5.73	2.40	7.75	2.68	3.37	5.48	50.81
Greenville	2.84	4.52	2.85	5.40	1.33	3.12	4.46	4.61	5.60	3.22	3.75	6.93	48.63
Houlton	2.30	3.20	2.18	2.50	.....	0.60	.....	.....	7.96	3.15	2.60	2.16	.....
Lewiston	1.72	7.56	5.80	7.00	2.04	2.19	3.58	2.71	9.27	2.31	4.35	7.54	56.07
Madison	1.69	5.62	1.73	4.99	1.80	2.15	3.33	4.40	7.94	1.11	4.46	7.94	47.16
Millinocket	1.97	6.85	3.37	7.56	1.91	2.75	3.64	3.95	8.05	1.89	3.72	8.03	53.69
North Bridgton	1.51	5.38	5.06	7.28	2.51	2.48	3.69	4.99	5.90	1.97	5.01	8.02	53.80
Orono	2.55	7.75	2.92	4.47	1.53	2.16	3.36	2.19	5.71	2.37	2.68	2.81	40.50
Portland	3.49	8.97	5.53	7.04	3.23	2.73	3.67	3.83	8.16	1.12	5.87	6.05	59.69
Presque Isle	1.49	4.00	1.96	5.31	0.91	6.08	4.28	3.62	5.21	5.35	1.35	4.00	43.56
Rumford	1.37	5.16	4.70	6.63	1.94	2.55	4.48	3.59	6.85	1.40	4.70	9.06	52.43
Van Buren	2.17	4.11	.....	.....	.....	2.81	4.43	4.28	5.50	5.55	2.79	4.97	.....
Winslow	0.79	5.62	3.05	7.54	1.89	2.26	4.20	2.35	9.40	1.51	3.95	5.30	47.86
Woodland	0.92	5.32	3.40	7.31	1.37	2.24	2.30	2.60	6.72	2.55	3.35	5.72	43.80
Wytopitlock	0.70	.....	3.77	4.31	1.01	2.28	3.03	2.42	10.75	3.41	1.40	4.82	.....
Maryland.													
Aberdeen	1.80	3.49	.....	5.37	2.01	4.69	5.53	7.77	2.79	0.25	2.88	3.66	.....
Annapolis	.....	.....	.....	.....	.....	.....	4.44	6.09	2.90	0.21	3.23	2.77	.....
Bachmans Valley	.....	.....	.....	5.85	1.77	4.04	4.19	.....	.....	.....	.....	.....	.....
Baltimore (Weather Bureau)	1.87	3.41	2.56	4.84	2.30	8.25	4.94	9.47	3.08	0.17	3.96	3.58	48.43
Baltimore (Lake Montebello)	1.90	3.45	.....	5.14	2.64	6.59	4.47	9.78	2.80	0.46	3.15	3.45	.....
Boyds	.....	.....	.....	4.72	.....	4.64	5.15	5.42	3.73	0.65	3.42	3.62	.....
Cambridge	3.45	4.78	4.08	4.30	2.02	6.23	4.12	10.90	.....	1.24	5.05	2.72	.....
Cecilton	1.92	3.49	3.73	5.21	2.35	5.14	4.80	8.55	3.07	1.07	3.53	3.49	46.35
Cheltenham	2.86	3.48	2.89	5.72	2.18	6.88	7.39	5.63	3.06	0.35	4.80	3.59	48.83
Chesapeake City	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.85	2.69	3.66	.....
Chewsville	2.04	3.21	2.02	4.62	2.01	3.41	3.57	2.95	2.57	0.46	3.21	2.42	32.49
Clear Spring	1.71	3.44	2.59	4.65	2.42	2.86	2.76	3.44	4.24	0.42	2.99	3.00	34.52
Coleman	2.48	3.28	3.22	5.06	3.00	5.28	5.52	11.05	2.49	0.67	3.13	3.95	49.13
College Park	2.48	3.48	3.29	5.00	1.90	5.10	6.06	4.65	4.38	0.28	3.15	4.32	44.09
Crisfield	3.93	5.48	4.61	2.55	0.70	3.40	5.34	6.85	2.32	0.72	5.62	3.86	45.38
Cumberland	1.77	1.87	2.21	4.06	1.40	6.25	2.41	5.19	2.46	1.30	2.93	2.93	34.78
Darlington	2.19	3.62	3.27	4.78	2.39	5.43	4.02	9.12	3.27	0.48	3.15	4.30	46.02
Denton	2.62	3.72	3.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Easton	2.33	3.54	3.12	4.71	2.41	5.78	3.78	7.19	2.40	1.05	5.22	2.42	43.95
Emmitsburg	1.88	3.56	2.64	5.13	2.02	3.43	4.63	.....	3.63	0.89	4.10	4.22	.....
Fallston	1.96	3.72	2.89	5.31	2.57	5.47	4.04	9.77	2.96	0.62	3.24	4.62	47.17
Ferry Landing	2.60	4.22	3.41	5.68	1.81	7.20	7.37	6.08	4.86	0.38	6.04	3.59	53.24
Frederick	2.28	4.77	2.68	5.68	2.13	4.67	5.70	7.28	4.63	0.79	3.81	3.06	47.48
Freeland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.99	.....
Friendsville	2.45	2.99	.....	5.87	.....	3.27	4.87	4.80	2.27	0.91	3.25	3.82	.....
Frostburg	2.54	3.06	2.48	4.70	2.50	6.08	4.71	4.69	2.47	1.53	2.80	2.34	39.90
Grantsville	2.56	3.30	2.49	4.91	0.95	6.61	3.29	5.12	3.01	0.76	3.16	2.88	39.04
Great Falls	2.25	3.83	2.56	4.38	1.84	5.17	5.79	5.11	3.79	0.98	3.66	3.58	42.94
Keedysville	2.00	3.77	1.92	3.27	2.01	3.89	4.77	5.58	2.56	0.32	3.41	2.66	36.16
La Plata	2.66	4.28	2.98	4.48	2.05	7.38	5.21	8.86	3.19	0.58	4.70	2.69	49.06
Laurel	.....	3.70	.....	.....	3.00	.....	.....	.....	.....	.....	.....	.....	.....
Oakland	3.35	3.26	3.58	6.99	2.21	6.45	5.25	4.00	3.31	1.55	3.66	3.97	47.58
Princess Anne	3.55	7.70	4.04	3.73	1.06	5.44	6.83	7.30	3.67	0.93	5.82	3.73	53.80
Public Landing	2.64	6.14	3.24	3.38	0.95	3.69	2.35	9.62	1.95	1.61	5.22	4.58	45.37
Riderwood	.....	.....	.....	.....	.....	.....	.....	.....	3.02	0.85	3.15	4.09	.....
Salisbury	3.37	7.79	4.35	3.37	1.54	5.12	2.33	9.87	4.56	0.75	.....	.....	.....
Solomons	3.24	5.02	2.95	3.74	1.46	4.71	4.08	6.71	2.03	0.60	3.52	2.09	40.15
State Sanatorium	.....	.....	.....	.....	.....	.....	3.75	6.45	5.10	0.50	3.10	3.30	.....
Sudlersville	2.57	3.58	3.20	4.94	2.61	4.96	2.99	8.32	2.12	1.32	3.71	3.07	43.39
Takoma	2.51	3.80	2.94	5.15	1.78	5.12	5.03	5.07	2.45	1.11	3.50	3.53	41.99
Western Port	1.20	1.43	1.91	.....	1.19	4.19	3.43	6.15	.....	2.35	3.49	1.95	.....
Westminster	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.69	.....
Woodstock	2.26	4.22	2.77	5.21	2.62	6.80	3.21	11.16	2.81	1.25	3.74	3.85	49.90
Yarrow (Rockville)	2.38	4.30	2.46	4.36	1.75	6.76	6.26	5.24	3.71	0.75	3.92	3.87	45.76

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Massachusetts.													
Amherst	2.74	4.45	2.90	4.71	3.65	6.26	2.06	3.62	6.74	1.54	4.62	6.02	49.31
Blue Hill	3.28	7.43	5.32	6.43	7.55	8.64	3.04	5.31	2.99	2.23	6.81	4.78	63.81
Boston	2.72	5.88	3.72	5.68	5.26	5.78	1.56	2.32	1.90	1.64	5.46	3.89	45.81
Chestnut Hill	3.67	7.15	4.16	6.10	4.80	6.26	1.76	1.75	3.12	1.23	6.09	4.48	50.57
Clinton	3.39	6.42	5.04	6.10	4.50	6.79	3.81	2.44	6.23	0.52	5.80	6.54	57.58
Concord	2.87	6.06	3.85	5.65	2.69	6.04	1.82	1.51	4.42	1.06	5.19	5.36	46.52
Fall River	3.54	7.99	5.12	5.87	5.48	8.89	2.28	.....	.....	.....	.....	3.86	.....
Fitchburg	1.73	4.03	3.50	5.12	3.45	4.84	4.92	3.13	7.60	1.57	3.80	6.41	50.10
Framingham	3.29	6.89	4.72	5.23	3.75	7.18	1.88	1.78	3.35	1.02	5.92	5.32	50.33
Hyannis	3.68	7.77	6.05	4.88	4.58	5.45	1.93	2.67	2.27	3.22	4.10	3.88	50.48
Lawrence	2.14	6.41	4.21	5.78	3.05	4.70	2.79	2.55	3.95	2.75	4.63	5.56	48.52
Lowell	2.54	6.53	4.65	6.24	3.36	4.69	2.85	2.78	6.46	0.78	5.12	5.94	51.94
Nantucket	3.84	6.99	3.46	3.86	4.15	3.58	1.98	4.43	1.18	3.96	3.32	4.24	44.99
New Bedford	2.13	5.06	4.03	5.79	5.13	6.17	1.43	2.13	0.90	1.62	3.92	3.02	41.33
Plymouth	3.95	7.06	5.08	4.81	4.29	6.55	3.34	3.02	3.12	1.84	4.91	3.55	51.52
Provincetown	2.40	5.50	4.85	4.75	4.00	4.21	2.15	1.75	1.40	3.05	4.45	4.10	42.61
Rockport	1.26	2.51	2.67	5.85	3.85	5.64	0.99	0.92	3.77	1.62	4.77	3.67	37.52
Rutland	2.88	4.95	.....	.....	3.11	.....	7.72	3.48	6.39	0.81	5.43	5.55	.....
Springfield	2.90	3.34	2.19	3.46	2.40	7.03	2.90	2.80	4.18	.....	.....	.....	.....
Taunton	3.84	7.08	6.68	6.06	5.87	7.71	3.05	3.43	2.22	3.31	4.87	5.22	59.34
Turners Falls	2.46	.....	3.15	6.13	2.72	6.26	2.41	4.50	5.11	1.16	5.20	6.13	.....
Westboro	3.14	7.26	4.60	5.11	3.50	7.74	2.27	2.05	2.68	3.44	6.80	5.10	53.69
Williamstown	1.54	3.99	3.30	4.72	1.85	4.15	3.89	4.96	4.91	2.22	4.17	4.45	44.15
Winchendon	2.26	5.18	4.19	6.66	2.95	5.69	2.92	4.89	7.49	1.69	4.30	6.64	54.86
Worcester	1.86	3.20	4.01	4.46	2.83	4.24	2.45	1.71	4.24	0.53	3.99	4.80	38.32
Michigan.													
Adrian	0.84	.....	2.01	3.33	1.73	3.27	3.57	4.32	3.24	1.40	3.03	3.13	.....
Albion	1.52	0.40	2.41	2.32	1.84	3.58	2.31	2.42	1.95	1.84	2.20	3.28	26.07
Allegan (No. 1)	1.12	1.41	3.43	2.81	0.96	1.14	2.35	0.75	2.34	1.02	1.73	4.01	23.07
Allegan (No. 2)	1.52	1.91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alma (No. 1)	2.16	1.16	2.60	1.34	2.20	3.76	2.77	3.20	2.61	1.45	1.98	5.06	30.29
Alma (No. 2)	.....	.....	2.52	1.85	2.23	.....	.....	.....	.....	.....	.....	.....	.....
Alpena	1.53	0.69	1.30	2.42	0.52	3.40	1.96	1.59	4.20	1.65	3.88	3.77	26.91
Alpena (near)	2.34	0.95	1.81	2.94	0.50	2.98	2.35	2.59	4.68	1.66	3.96	3.37	30.13
Ann Arbor	2.16	0.83	2.08	3.45	0.74	6.53	3.06	6.42	0.97	1.55	3.07	4.01	34.87
Ann Arbor (near)	.....	0.79	2.12	3.62	1.00	4.06	2.33	6.21	1.31	1.51	2.63	3.97	.....
Arbela	1.22	1.34	3.01	3.02	1.42	4.22	2.28	2.87	1.94	2.34	2.89	3.30	29.85
Armada	0.73	0.78	2.01	1.78	1.40	3.89	4.01	6.24	1.08	1.95	2.13	3.09	29.09
Battle Creek (No. 1)	1.37	0.45	3.56	4.06	2.16	1.35	3.38	1.97	1.98	1.01	2.34	3.86	27.49
Battle Creek (No. 2)	1.94	0.62	.....	1.84	.....	0.70	1.35	0.82	2.61	0.68	.....	.....	.....
Bay City	0.50	0.45	2.21	2.67	1.43	3.05	3.95	2.17	1.58	1.91	2.46	3.67	26.05
Benzonia	2.84	0.66	3.41	4.09	1.19	4.62	3.17	1.46	4.08	3.03	2.89	3.52	34.96
Bergland	1.57	1.81	3.23	2.65	1.82	5.15	3.59	1.59	3.47	1.82	2.80	4.34	33.84
Big Rapids	0.73	0.32	3.52	3.06	2.27	4.62	3.74	3.43	2.02	2.29	1.82	3.82	31.64
Bloomingdale	0.27	0.85	1.83	3.82	0.70	1.70	2.62	0.37	1.76	1.54	2.16	2.45	20.07
Bridgeport	.....	.....	2.70	3.29	1.62	.....	.....	.....	.....	.....	.....	.....	.....
Cadillac	0.91	0.57	1.24	1.10	1.57	5.29	3.70	3.94	3.13	2.79	2.00	2.05	28.29
Calumet	2.16	0.88	2.97	1.76	1.57	4.14	4.82	1.79	0.99	4.22	2.60	4.78	32.68
Cassopolis	0.66	0.45	4.26	4.85	1.81	1.75	1.53	1.76	2.44	2.49	2.54	4.14	28.68
Ceresco	1.47	0.54	2.61	3.46	1.77	3.69	2.47	4.12	2.85	1.13	2.02	3.68	29.81
Charlevoix	.....	.....	.....	.....	1.10	2.27	3.73	5.23	5.27	1.85	2.12	3.19	.....
Charlotte	1.11	0.45	1.04	3.15	1.46	2.50	2.01	3.08	1.33	0.90	1.30	3.30	21.63
Chatham	0.78	.....	.....	.....	.....	.....	.....	.....	4.09	.....	.....	2.44	.....
Cheboygan	1.34	0.65	2.96	2.70	1.46	2.48	2.29	4.70	4.28	1.05	1.70	2.80	28.41
Chesaning	.....	.....	3.34	2.71	1.92	.....	.....	.....	.....	.....	.....	.....	.....
Coldwater	1.11	0.35	4.28	5.19	2.12	4.50	2.61	4.06	1.76	1.72	2.79	3.57	34.06
Cooke Site	1.17	0.21	0.83	2.84	0.95	3.96	3.00	1.82	2.41	1.72	2.97	3.21	25.09
Croswell	.....	.....	.....	.....	.....	4.04	.....	.....	.....	.....	.....	.....	.....
Croton	1.60	0.81	2.91	2.46	2.31	2.54	3.01	0.83	4.12	2.09	2.04	3.96	28.68
Deer Park (near)	1.69	0.53	3.34	2.91	1.30	4.96	2.91	1.41	4.21	0.80	1.77	2.83	28.66
Detroit	1.73	0.97	2.09	3.38	0.43	5.49	3.65	4.20	1.37	2.26	2.29	2.84	30.70
Dimondale	.....	.....	3.36	2.59	1.72	.....	.....	.....	.....	.....	.....	.....	.....
Durand	1.31	.....	.....	.....	.....	3.08	.....	1.58	2.63	.....	.....	.....	.....
Eagle Harbor	0.64	0.27	4.37	2.40	1.00	3.12	.....	2.65	1.12	2.34	1.66	2.78	.....
East Tawas	0.70	0.35	2.03	2.32	0.77	5.14	3.81	1.50	2.26	1.56	3.75	3.54	28.73
Eaton Rapids	2.76	2.26	2.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edmore	.....	.....	.....	.....	2.31	4.01	3.42	2.18	3.44	1.25	.....	.....	.....
Eloise	0.51	0.55	1.32	2.50	0.92	3.80	3.20	3.29	1.57	1.12	1.82	2.26	22.86
Escanaba	1.44	0.42	2.87	1.63	0.87	5.33	2.54	2.11	2.95	0.33	1.53	2.70	24.72
Ewen	1.87	0.94	4.21	1.64	1.54	4.42	4.28	2.21	2.43	1.77	.....	.....	.....
Fife Lake (near)	1.10	0.51	2.91	3.22	1.21	4.79	3.38	3.21	3.00	2.17	2.47	2.57	30.54
Five Channels	1.45	0.42	0.83	3.03	0.92	3.45	2.90	1.24	2.28	1.67	2.48	3.49	24.16
Flint (No. 1)	1.01	0.80	2.31	2.93	1.68	3.38	3.98	2.51	1.37	2.16	3.38	3.06	28.57
Flint (No. 2)	.....	.....	2.51	2.51	1.80	.....	.....	.....	.....	.....	.....	.....	.....
Frankfort	1.10	1.11	2.89	2.22	0.69	4.02	3.27	2.05	2.80	2.79	2.56	1.97	28.47
Ganges	0.56	1.23	3.56	2.97	2.42	2.71	2.12	1.16	2.49	3.59	1.52	3.05	27.38
Gaylord	.....	0.67	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.01	.....
Grand Haven	1.50	1.11	4.00	2.29	1.92	3.13	1.12	0.99	1.56	1.50	1.84	4.17	25.13
Grand Ledge (No. 1)	1.02	0.58	.....	.....	0.80	.....	.....	1.25	2.85	1.24	1.99	.....	.....
Grand Ledge (No. 2)	.....	.....	2.50	2.81	1.47	.....	.....	.....	.....	.....	.....	.....	.....
Grand Marais	3.55	1.30	2.73	3.42	1.10	2.42	4.95	3.52	3.71	0.95	2.65	3.35	33.65
Grand Rapids (Weather Bureau)	1.19	0.85	3.42	2.95	1.92	4.09	3.60	0.76	3.68	1.82	1.54	4.19	30.01
Grand Rapids (Cons. Power)	1.05	0.78	2.54	2.86	1.15	1.68	2.84	1.22	.....	2.14	2.25	.....	.....
Grayling	1.71	0.44	1.68	3.17	1.37	3.82	4.53	4.20	3.15	2.51	3.20	2.81	32.59
Greenville	1.13	0.69	2.96	2.55	2.09	3.50	2.32	1.15	2.22	1.40	2.02	3.93	25.05
Hamburg	0.68	0.60	1.62	2.67	1.40	2.99	1.37	2.31	0.98	2.06	2.22	3.12	22.02
Harbor Beach	0.86	.....	1.08	2.63	0.67	4.29	2.28	2.07	3.27	2.59	2.29	3.24	.....
Harrison	0.46	0.50	2.83	2.87	1.75	3.57	2.33	2.25	2.65	2.17	.....	.....	.....
Harrisville	1.38	.....	1.52	.....	.....	5.66	1.76	0.84	2.33	1.92	2.00	3.87	.....
Hart	.....	2.02	3.66	2.26	2.42	2.27	1.97	1.15	1.40	2.60	2.36	3.92	.....
Hastings	.....	0.60	1.10	3.02	1.44	3.96	1.99	1.70	1.39	.....	.....	4.10	.....
Highland	2.26	1.39	2.34	4.87	1.28	2.97	1.43	2.53	0.94	2.30	2.60	4.14	29.05
Hillsdale	1.06	0.41	3.48	4.82	1.49	4.01	2.62	3.59	3.71	1.75	2.15	4.34	33.43
Holland	1.52	1.37	3.73	3.24	1.73	2.34	1.67	1.09	2.41	1.87	2.15	3.11	26.23

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
***Michigan*—Continued.**													
Houghton	3.41	0.78	3.20	2.81	1.42	3.49	2.49	1.21	1.00	2.50	3.41	4.58	30.30
Houghton Lake (near)	1.31	0.74	2.32	2.53	1.71	4.71	3.59	3.07	2.00	2.23	2.95	2.47	29.63
Howard City	0.85	0.61	2.73	.....	2.09	3.10	3.40	2.53	2.75	1.19	2.11	.....	.....
Howell	0.91	0.35	2.03	3.66	1.30	2.41	1.22	3.58	.....	1.87	1.87	3.42	.....
Humboldt	0.52	0.08	2.42	1.81	0.30	3.83	5.83	2.76	1.26	0.93	1.35	1.35	22.44
Ionia	.....	0.55	2.56	3.08	1.14	.....	.....	.....	.....	.....	.....	.....	.....
Iron Mountain	1.13	0.48	1.86	2.67	.....	6.80	3.45	2.65	1.25	0.70	2.30	2.22	.....
Iron River	1.45	0.21	2.35	1.84	1.35	5.94	3.21	3.56	1.57	1.22	1.74	.....	.....
Ironwood	0.76	1.49	3.44	2.01	1.30	5.75	4.04	1.44	2.12	2.21	3.86	3.46	31.88
Ishpeming	0.60	0.80	2.53	2.52	0.85	3.93	4.96	3.68	2.26	1.14	2.14	1.77	27.18
Ivan	1.35	0.86	3.03	3.65	1.48	4.19	4.83	3.82	2.87	2.21	2.78	3.65	34.72
Jackson (No. 1)	1.58	0.75	2.99	4.32	1.71	6.45	4.01	2.17	2.08	3.23	2.48	3.79	35.56
Jackson (No. 2)	.....	1.29	2.04	5.60	1.50	.....	3.73	3.43	1.18	2.57	.....	3.33	.....
Jeddo	1.73	1.10	2.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Johannesburg	1.29	0.58	2.30	2.29	1.11	4.35	3.66	5.84	3.58	0.71	.....	2.24	.....
Kalamazoo (No. 1)	2.35	1.40	3.54	4.36	1.92	4.47	3.09	2.21	2.11	2.58	2.45	4.66	35.14
Kalamazoo (No. 2)	1.02	0.65	3.01	4.22	1.77	3.68	2.06	2.31	1.96	1.67	2.50	3.04	27.89
Kent City	.....	.....	.....	.....	2.38	2.95	4.40	1.61	3.17	.....	.....	.....	.....
Lansing	1.34	0.81	3.57	3.25	1.43	4.17	3.01	2.00	1.26	1.37	2.29	3.94	28.44
Lapeer	0.91	0.50	2.68	4.09	1.40	2.96	2.32	2.97	1.53	2.72	1.76	4.36	28.20
Loud	1.74	0.55	3.14	3.44	1.00	3.38	3.00	1.37	2.67	1.61	2.51	3.86	28.27
Lowell (No. 1)	.....	.....	3.72	2.15	2.44	.....	.....	.....	.....	.....	.....	.....	.....
Lowell (No. 2)	1.30	0.49	2.74	2.70	2.38	2.98	4.36	2.83	2.24	1.43	1.68	3.99	29.12
Ludington	1.25	0.82	5.21	2.82	2.51	2.91	2.15	2.33	1.99	2.44	2.29	4.01	30.73
Luther	1.49	0.75	3.45	3.61	2.03	3.07	5.28	6.39	3.28	3.10	2.28	4.35	39.08
Mackinac Island	1.90	.....	1.78	1.73	1.55	3.17	.....	1.47	3.22	1.25	2.30	4.68	.....
Mackinaw	2.11	0.64	.....	2.87	1.10	1.63	.....	1.56	3.39	.....	1.17	2.26	.....
Mancelona	0.56	0.53	.....	.....	1.61	3.35	3.10	3.18	2.31	0.49	.....	4.81	.....
Manistee	.....	.....	.....	2.81	1.71	3.19	4.52	1.75	3.61	3.06	3.18	.....	.....
Manistique	1.10	0.30	3.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maple Ridge	1.08	0.81	1.94	2.55	1.23	6.67	7.06	3.50	2.06	0.60	3.16	2.65	33.31
Marquette	1.84	1.05	3.34	2.28	0.74	2.80	4.62	3.50	1.94	1.82	2.96	2.27	29.16
Menominee	1.41	0.59	3.05	2.18	0.87	4.40	2.65	2.94	0.83	2.01	2.06	1.57	24.56
Midland (No. 1)	.....	0.65	1.94	.....	1.87	3.29	2.46	1.04	.....	.....	.....	3.47	.....
Midland (No. 2)	.....	.....	1.98	1.78	1.34	.....	.....	.....	.....	.....	.....	.....	.....
Mio	1.81	0.46	0.53	3.19	0.72	4.31	2.90	2.81	3.57	0.97	3.29	2.71	27.27
Monroe	1.03	.....	1.88	3.72	1.42	4.61	2.89	4.50	1.80	2.49	3.19	2.22	.....
Morenci	1.16	.....	2.17	5.41	1.63	5.75	2.62	7.25	3.47	1.70	3.22	3.76	.....
Mount Clemens	1.59	0.67	.....	2.44	0.82	4.41	3.50	5.53	1.43	1.71	2.31	2.84	.....
Mount Pleasant (No. 1)	1.44	.....	.....	1.81	2.42	4.48	3.65	2.14	.....	.....	.....	.....	.....
Mount Pleasant (No. 2)	.....	.....	2.40	1.67	2.30	.....	.....	.....	.....	.....	.....	.....	.....
Munising	3.42	0.77	3.03	3.57	1.00	3.89	6.04	2.91	4.08	0.98	3.11	3.29	36.09
Muskegon	0.96	0.73	4.14	2.12	1.98	4.05	1.41	0.71	3.43	1.45	1.77	3.49	26.24
Newberry	2.36	0.68	3.37	1.72	1.23	3.70	2.59	0.98	4.71	1.00	2.11	3.05	27.50
Norway	1.61	0.55	3.22	3.30	1.04	2.78	1.76	1.15	2.68	0.67	3.02	3.50	25.28
Old Mission	1.60	0.45	2.14	3.30	1.32	5.29	4.31	3.85	3.82	2.21	2.62	2.67	33.58
Omer	0.93	0.50	1.95	.....	2.15	6.77	4.50	2.25	2.05	1.32	3.78	3.43	.....
Onaway (near)	2.58	1.09	2.04	3.08	1.62	3.10	4.67	5.03	3.91	1.48	3.59	3.10	35.29
Otsego	1.55	1.07	3.05	3.95	1.94	4.13	3.26	0.34	2.68	1.81	2.71	4.46	30.95
Owosso (No. 1)	0.88	.....	.....	1.48	1.30	3.90	2.59	4.47	2.10	1.54	2.55	3.58	.....
Owosso (No. 2)	.....	.....	3.29	4.00	1.94	.....	.....	.....	.....	.....	.....	.....	.....
Paines	.....	.....	.....	2.56	2.19	1.66	.....	.....	.....	.....	.....	.....	.....
Petoskey	.....	0.73	2.06	.....	.....	4.90	.....	2.07	.....	1.25	1.95	1.91	.....
Plainwell	1.08	0.96	.....	4.03	1.69	6.66	3.42	1.01	.....	1.54	2.22	4.75	.....
Plymouth	.....	.....	.....	.....	0.45	3.39	2.16	2.26	1.29	.....	.....	3.22	.....
Pontiac	1.26	0.80	1.98	3.39	0.85	3.70	1.40	3.34	.....	1.09	2.11	2.60	.....
Port Austin	1.22	0.40	1.47	2.42	0.22	2.20	2.67	2.65	3.71	1.76	.....	2.65	.....
Port Huron	1.37	0.79	1.53	2.36	0.89	2.19	2.73	5.51	1.82	2.77	1.87	2.51	26.34
Portland	.....	0.74	1.97	2.68	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	0.72	0.32	3.90	2.78	2.59	2.15	5.00	5.57	2.11	2.53	3.49	3.48	34.64
Rogers	1.50	0.67	3.57	3.35	2.57	3.57	4.59	3.22	3.67	2.94	2.15	4.70	36.50
Roscommon	1.24	0.55	2.34	2.87	1.31	4.12	5.29	3.90	3.83	2.46	2.73	2.85	33.49
Saginaw (Weather Bureau)	0.74	0.72	2.68	2.55	1.44	2.88	1.96	1.75	1.09	2.01	1.61	3.71	23.14
Saginaw (No. 2)	0.43	0.82	.....	3.29	1.14	1.78	1.76	1.94	1.44	1.49	1.41	3.10	.....
St. Ignace	0.76	0.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. James	1.03	0.25	2.75	3.23	1.18	2.56	2.91	1.25	2.03	0.96	1.19	1.88	21.22
St. Joseph	2.40	2.47	2.28	4.65	1.15	3.60	1.62	1.80	1.96	1.18	0.57	.....	.....
Sandusky	.....	0.92	.....	2.20	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saranac	.....	1.20	.....	3.22	2.44	4.42	3.42	3.24	3.79	1.44	1.80	.....	.....
Sault Ste. Marie	1.68	0.45	3.62	3.71	1.37	4.39	2.00	1.87	3.72	0.18	1.68	4.44	29.11
Scottville	.....	.....	.....	.....	.....	.....	1.17	2.20	.....	.....	.....	.....	.....
Sidnaw	0.53	0.19	1.71	.....	1.94	4.07	4.48	3.70	3.08	1.64	2.10	1.98	.....
South Haven	1.42	1.08	3.68	3.66	1.69	2.04	2.45	1.26	2.77	3.50	0.93	4.35	28.92
Stronach	1.89	0.81	3.67	3.70	2.02	5.08	4.73	3.73	2.93	2.88	2.27	5.18	38.89
Traverse City	.....	1.82	3.20	.....	0.65	3.12	3.19	.....	2.84	1.58	2.81	.....	.....
Trowbridge	1.49	1.25	3.35	3.04	1.30	3.15	2.08	0.60	1.70	1.24	1.98	4.39	25.57
Vassar	.....	.....	2.65	2.51	1.45	.....	.....	.....	.....	.....	.....	.....	.....
Victoria	1.27	0.40	.....	.....	1.16	4.78	2.77	1.34	2.79	1.84	2.27	3.16	.....
Wasepi	2.40	0.51	3.61	6.03	1.72	2.18	1.86	1.39	1.78	1.77	2.79	4.13	30.17
Webber Dam	1.00	0.65	1.95	2.32	1.79	3.26	1.91	2.21	1.22	1.58	1.71	2.79	22.39
Wellston	.....	.....	.....	.....	.....	4.50	4.57	4.47	2.38	2.87	.....	5.05	.....
West Branch (near)	0.97	0.61	1.99	2.82	1.43	4.79	4.68	2.53	2.82	2.02	2.94	3.66	31.26
Williamston	.....	.....	.....	.....	1.16	.....	.....	.....	.....	.....	.....	.....	.....
Whitefish Point	3.25	1.50	6.60	3.37	1.17	4.44	3.59	1.25	2.89	0.77	3.09	5.44	37.36
Ypsilanti	1.20	0.43	1.71	3.67	0.95	3.79	3.62	4.35	1.55	1.49	2.15	3.43	28.34
Minnesota.													
Ada	0.49	0.27	0.38	0.90	1.64	3.58	2.27	1.50	2.73	0.78	0.46	0.61	15.61
Albert Lea	0.40	0.15	2.77	2.55	2.27	3.55	3.95	2.89	6.07	1.22	2.97	0.40	29.19
Alexandria	0.75	0.00	2.11	1.49	5.53	.....	2.33	1.39	3.49	1.01	0.00	0.80	.....
Angus	1.15	0.42	0.66	0.61	2.35	2.86	1.43	0.86	2.37	0.39	1.08	0.36	14.54
Argyle	0.84	0.49	1.08	0.79	2.35	1.53	6.24	0.97	5.14	0.29	1.19	0.45	21.36
Artichoke Lake	0.11	0.08	1.33	1.55	3.37	8.96	2.68	2.41	3.41	1.31	0.58	0.62	26.41
Baudette	0.84	0.37	0.61	0.64	2.98	2.16	1.58	1.87	4.12	1.14	0.60	0.82	17.73
Beardsley	0.50	0.40	1.61	1.60	2.87	7.36	3.95	1.38	2.63	0.97	0.52	T.	23.79

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Minnesota—Continued.													
Bemidji	0.75	T.	0.67	1.35	2.49	5.41	3.97	1.43	1.84	0.50	0.88	.....	.....
Bird Island	0.46	0.83	2.67	2.03	2.52	8.32	1.93	3.12	3.33	2.16	1.16	0.46	28.99
Brainerd	0.64	0.30	2.61	0.95	4.58	5.87	1.14	1.93	3.39	1.22	0.88	0.42	23.93
Campbell	0.74	0.45	1.80	1.54	3.35	6.25	1.63	0.69	2.86	1.02	0.48	0.93	21.74
Canby	0.75	1.45	1.42	2.18	3.74	8.00	7.15	2.90	3.80	1.28	1.28	0.71	34.66
Cass Lake	0.84	0.23	1.28	1.32	3.44	4.82	4.11	1.87	2.58	1.17	0.54	1.01	23.21
Centerville	0.94	0.36	2.25	1.93	3.96	8.96	2.80	0.86	1.50	3.27	1.43	0.34	28.60
Chatfield	1.54	0.16	2.34	3.77	2.02	7.97	2.64	1.98	2.32	1.91	2.36	1.57	30.58
Cloquet	1.87	0.75	2.09	1.81	5.66	5.96	3.20	1.33	2.02	2.97	1.88	1.07	30.61
Collegeville	0.71	0.37	2.36	1.92	3.95	7.74	1.19	1.19	3.19	2.75	0.96	0.50	26.83
Crookston	1.77	0.30	0.24	0.70	2.07	3.66	2.14	0.47	2.57	0.92	0.55	2.24	17.63
Crookston (Experiment Farm)	0.10	0.01	0.08	0.42	1.99	2.65	0.90	0.05	1.76	0.68	0.70	0.05	9.39
Crystal Bay	.....	.....	.....	.....	.....	7.99	3.50	.....	.....	2.64	.....	.....	.....
Detroit	1.20	0.53	1.60	1.13	2.85	6.80	2.03	1.94	2.67	0.51	0.30	0.96	22.52
Duluth	1.13	0.45	2.28	1.41	4.67	5.66	4.82	1.44	1.31	4.10	1.40	1.07	29.74
Fairmont	0.46	0.40	3.00	2.99	2.84	2.69	4.56	1.55	3.64	1.30	1.84	0.42	25.69
Faribault	0.70	0.23	2.56	1.55	1.01	1.46	0.36	1.25	0.90	2.82	0.64	0.46	13.94
Farmington	1.40	0.55	3.00	2.55	1.68	5.25	2.47	0.75	1.65	2.90	1.63	2.10	25.93
Fergus Falls	1.61	0.40	1.34	1.60	2.88	9.19	1.34	0.82	4.02	0.69	1.26	1.09	26.24
Fort Ripley	0.71	0.15	1.17	1.51	4.85	6.56	0.75	0.75	2.52	1.50	0.97	0.43	21.87
Fosston	1.15	0.37	0.05	0.16	1.79	3.47	4.87	1.87	2.22	0.92	0.60	0.50	17.97
Glencoe	1.38	0.45	2.44	1.41	1.72	9.09	.....	.....	0.90	3.13	1.72	1.30	.....
Golden Valley	0.51	0.34	0.50	0.47	2.25	2.53	2.72	1.13	1.78	1.17	1.23	0.84	15.47
Goodridge	.....	0.05	.....	0.21	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Marais	.....	.....	1.67	1.40	1.67	2.81	3.99	0.83	0.98	3.13	0.90	1.40	.....
Grand Meadow	1.15	0.12	2.56	4.58	1.93	6.77	3.21	2.19	2.54	1.63	2.83	1.31	30.82
Grand Rapids	0.83	0.39	0.89	0.95	1.69	5.46	4.34	2.07	3.10	1.57	0.52	1.36	23.17
Grandy	1.40	0.38	2.35	2.36	3.57	7.78	2.00	2.02	.....	.....	.....	.....	.....
Grygla	0.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gull Lake Dam	0.58	0.12	1.41	1.44	5.45	4.89	1.08	2.36	3.65	1.30	0.98	0.45	23.71
Hallock	0.86	0.51	0.40	0.40	2.37	0.74	2.75	1.17	4.78	0.97	0.74	0.77	16.46
Hinckley	0.86	0.23	1.27	1.99	6.53	6.84	1.74	1.66	4.82	4.42	2.25	0.23	32.84
Hutchinson	0.80	0.02	3.04	2.45	1.88	8.21	3.50	2.07	2.15	3.14	1.44	0.77	29.47
International Falls	0.76	1.60	.....	T.	4.11	2.45	3.37	0.63	2.22	1.14	0.42	1.29	.....
Itasca State Park	.....	0.40	0.60	0.95	2.74	5.54	5.13	1.55	2.77	1.52	0.35	0.90	.....
Lake Crystal	.....	0.47	3.10	2.53	1.56	7.80	.....	.....	.....	.....	.....	.....	.....
Leech Lake Dam	0.96	0.55	1.50	0.95	3.62	5.44	5.11	1.95	2.26	0.95	0.54	0.82	24.65
Little Falls	1.15	.....	1.31	1.79	2.86	2.20	1.22	1.99	1.85	2.40	.....	1.07	.....
Luverne	0.16	0.43	2.08	1.79	3.37	6.62	3.99	3.28	3.05	2.88	1.33	0.25	29.23
Lynd	0.49	0.44	2.48	3.00	2.34	5.97	5.58	2.09	4.70	1.80	0.60	0.78	30.27
Mankato	1.21	0.56	2.55	2.58	2.23	8.62	2.32	1.80	2.41	0.75	2.16	0.47	27.66
Maple Plain	1.84	0.44	3.21	2.51	2.53	6.45	1.87	2.21	3.48	2.67	1.41	1.10	29.72
Meadowlands	.....	.....	.....	1.46	3.32	8.99	3.04	3.60	1.92	2.28	0.92	0.45	.....
Milaca	1.52	0.30	2.40	2.12	4.36	8.44	0.30	1.28	4.76	2.34	0.43	0.57	28.82
Milan	1.24	0.20	1.84	1.62	3.47	8.77	4.59	1.96	3.49	1.05	0.68	0.42	29.33
Minneapolis (Weather Bureau)	1.84	0.46	2.71	2.23	2.67	8.43	1.30	1.14	1.95	2.79	1.24	0.62	27.38
Minneapolis (No. 1)	1.82	0.58	3.06	2.54	2.62	8.00	2.05	1.03	2.01	3.02	1.20	0.77	28.70
Montevideo	0.41	0.37	2.51	2.00	3.20	8.57	3.00	2.44	4.24	0.75	1.13	0.54	29.16
Moorhead	0.94	0.20	0.32	0.85	2.53	5.89	2.92	1.33	3.46	1.03	0.29	0.65	20.41
Mora	1.74	0.14	1.99	2.33	4.69	7.04	1.81	0.97	3.71	4.99	1.10	0.71	31.22
Morris	1.46	0.20	0.94	1.33	3.34	9.04	3.18	1.11	1.02	0.83	1.48	1.11	25.04
New London	0.62	0.10	2.15	1.50	2.14	7.25	2.33	0.78	5.70	2.25	0.88	0.33	26.03
New Ulm	1.36	0.83	2.33	2.76	2.91	6.82	2.81	3.16	3.18	2.05	1.51	1.01	30.73
Park Rapids	0.86	0.29	1.07	1.34	3.37	5.66	3.17	1.10	3.94	0.85	0.56	0.68	22.89
Pine River Dam	0.86	0.18	2.37	1.61	4.85	6.53	1.33	3.01	2.40	1.16	0.70	0.27	25.27
Pipestone	.....	0.50	.....	.....	.....	.....	.....	.....	.....	1.69	0.01	0.04	.....
Pokegama Falls	0.65	0.40	0.84	0.66	2.80	4.50	3.98	1.67	2.44	1.37	0.54	0.73	20.58
Red Lake	0.92	1.01	0.79	0.97	1.16	3.23	2.12	1.08	2.21	1.08	1.12	1.06	16.75
Red Lake Falls	2.28	0.53	0.80	1.12	2.83	4.97	2.13	1.07	3.01	1.61	0.86	0.67	21.88
Redwood Falls	.....	.....	.....	.....	.....	.....	.....	2.63	3.23	3.32	1.68	0.80	.....
Red Wing	1.72	0.66	3.08	2.64	2.98	7.39	1.68	1.64	1.14	1.50	1.58	.....	.....
Reeds	0.69	0.18	2.01	2.46	4.96	8.64	0.95	3.14	1.15	0.73	2.43	.....	.....
Rochester	0.92	0.06	3.10	3.09	3.79	6.39	2.13	2.12	2.30	0.58	3.24	.....	.....
Roseau	1.50	0.62	0.10	0.35	3.05	1.54	1.45	2.66	2.82	1.48	1.22	0.76	17.55
St. Charles	1.33	0.15	2.88	4.45	3.67	10.08	1.88	2.23	1.89	2.12	2.41	1.78	34.87
St. Cloud	1.61	0.66	3.14	1.53	4.61	10.56	0.75	0.89	3.87	2.62	.....	0.76	.....
St. Paul	1.80	0.57	2.91	2.21	1.97	7.76	1.35	0.96	1.36	1.85	1.08	0.88	24.70
St. Peter	1.15	1.21	1.00	2.24	2.74	5.66	1.30	2.22	0.97	1.30	0.88	0.50	21.17
Sandy Lake Dam	0.56	0.19	1.62	1.48	4.38	7.16	2.45	2.80	2.93	1.90	0.78	0.65	26.90
State Sanatorium	1.20	0.48	3.40	0.99	2.19	4.75	3.96	1.30	1.35	0.69	0.08	0.52	20.91
Taylors Falls	1.23	0.29	1.46	1.52	3.93	8.86	1.49	2.33	4.36	2.56	1.35	0.31	29.69
Thief River Falls	1.13	0.38	0.37	0.77	2.42	4.04	3.52	1.56	1.94	1.75	1.30	0.78	19.96
Tracy	0.18	0.47	2.84	3.17	3.00	5.07	7.34	2.80	3.91	4.40	4.84	1.03	36.05
Two Harbors	0.78	0.25	1.04	0.84	3.24	5.68	3.75	2.58	2.49	3.66	1.15	1.26	26.72
Tyler	0.50	0.40	2.20	3.42	4.10	4.07	4.37	4.65	2.00	1.75	0.10	0.60	28.16
University Farm	1.40	0.98	2.14	2.15	.....	9.64	.....	0.96	.....	2.23	1.32	0.83	.....
Virginia	0.80	0.28	0.98	1.79	2.00	6.36	5.11	1.43	2.17	2.26	1.03	1.21	25.42
Wadena	0.99	0.12	1.61	1.98	4.13	9.11	3.86	1.28	5.04	0.69	.....	.....	.....
Warren	1.16	T.	0.08	0.28	2.78	1.99	2.26	1.38	1.90	0.19	1.13	0.07	13.22
Warroad	1.42	0.29	0.50	0.72	2.63	1.19	0.58	1.72	3.30	1.24	0.64	0.82	15.05
Waseca	0.73	0.85	2.46	2.44	1.57	2.92	1.62	1.26	2.44	2.27	1.07	0.93	20.56
Wheaton	0.36	0.40	3.51	1.86	5.81	6.62	3.02	0.89	2.14	0.84	0.70	0.07	27.12
Willmar	0.30	0.12	3.91	0.89	1.88	9.18	3.66	1.46	3.90	1.60	0.90	1.26	29.06
Winnebago	0.65	0.20	2.25	2.66	3.21	3.74	4.73	1.50	2.82	1.55	2.18	0.70	26.19
Winnibigoshish	0.61	0.27	0.76	0.73	4.72	3.74	5.92	3.48	2.72	0.81	0.47	1.08	25.31
Winona	1.30	0.27	2.85	2.48	2.51	9.18	4.11	3.36	1.28	2.75	4.46	1.80	36.35
Winton	0.68	0.89	0.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Worthington	0.55	0.73	2.67	4.40	3.67	3.51	5.23	3.04	3.29	1.32	2.86	0.50	31.77
Zumbrota	1.46	0.15	2.62	2.03	2.35	8.06	1.29	1.40	1.49	.....	2.21	0.58	.....
Mississippi.													
Aberdeen	4.99	1.68	6.94	12.87	5.43	8.12	4.56	3.63	2.92	0.10	4.32	6.56	62.12
Agricultural College	4.81	1.80	12.14	10.53	6.31	4.73	2.38	4.78	4.45	0.00	2.54	6.74	61.21
Anguilla	11.17	3.43	11.00	8.69	10.80	8.93	4.71	3.67	2.40	1.50	5.97	11.00	78.27
Austin	6.90	1.97	5.87	9.17	6.08	5.30	5.40	3.07	.....	3.28	1.98	7.24	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Mississippi—Continued.													
Batesville	7.06	2.15	2.79	11.58	8.14	4.83	6.27	1.88	5.84	2.22	4.16	6.18	63.10
Bay St. Louis	6.77	6.04	3.47	5.20	4.33	5.74	5.18	5.56	12.42	3.50	3.08	7.34	57.45
Biloxi	6.90	6.63	3.31	9.06	.....	.....	.....	7.12	6.66	2.69	1.38	4.50	.....
Booneville	5.20	2.20	6.05	8.96	7.27	4.45	2.14	2.63	3.02	0.45	3.60	6.10	52.07
Brookhaven	5.40	3.35	4.14	7.03	2.38	4.21	3.98	6.33	1.66	2.86	2.25	12.27	55.86
Canton	7.93	3.26	5.22	9.47	3.61	3.25	2.28	4.73	0.61	1.96	2.60	7.92	52.84
Charleston	8.32	1.70	4.78	10.03	8.44	6.23	6.83	4.66	1.50	2.20	5.40	7.48	67.57
Clarksdale	6.49	2.03	2.49	10.37	6.33	2.89	7.39	2.99	3.15	2.84	3.50	6.89	57.36
Cleveland	8.31	.....	.....	.....	8.36	.....	5.42	3.46	1.80	2.38	.....	.....	.....
Collins	4.45	.....	.....	.....	.....	.....	.....	6.40	4.60	1.48	1.21	8.57	.....
Columbia	6.39	4.02	6.39	8.66	3.88	3.07	4.22	4.42	5.26	2.55	4.00	10.31	63.17
Columbus	3.68	2.52	9.04	11.31	7.30	2.93	3.92	4.40	2.90	T.	2.68	8.60	59.28
Corinth	6.47	2.21	4.06	15.50	6.18	5.82	6.44	3.38	3.71	0.66	3.98	5.74	64.15
Crenshaw	4.50	1.70	4.39	.....	8.39	8.14	8.64	1.44	6.00	.....	.....	.....	.....
Crystal Springs	5.73	3.40	4.13	9.06	8.14	5.96	5.70	8.36	2.11	1.47	2.00	7.71	63.77
Duck Hill	7.11	2.35	8.29	.....	7.15	.....	.....	2.56	.....	0.55	4.05	9.14	.....
Edinburg	7.36	3.74	5.56	10.51	5.41	4.83	2.31	3.25	0.92	1.92	3.09	9.09	57.99
Edwards	10.75	3.77	6.63	12.87	5.70	5.63	7.14	.....	.....	1.24	1.40	.....	.....
Enterprise	7.17	4.42	6.60	7.34	4.77	3.78	6.78	7.25	3.08	0.28	3.09	10.77	65.33
Fayette	5.45	3.45	3.89	3.95	6.50	4.62	5.02	4.15	2.80	1.31	2.58	9.38	53.10
Fruitland Park	4.37	4.30	2.85	5.15	2.94	2.70	8.58	7.50	5.70	1.10	3.20	8.75	57.14
Fulton	7.89	2.14	9.36	11.44	6.93	5.60	3.95	4.32	7.15	0.73	3.68	7.31	70.50
Greenville	9.30	2.63	6.00	9.73	8.72	3.92	6.20	3.77	1.46	1.68	5.25	9.16	67.91
Greenwood	8.41	2.54	10.28	14.82	6.44	5.99	4.38	3.89	1.52	2.04	4.04	7.77	72.12
Grenada	6.57	2.29	7.19	15.40	7.25	3.37	4.88	4.05	1.01	1.80	4.35	5.69	64.85
Hattiesburg	5.69	3.36	5.13	9.47	4.23	2.33	7.72	10.70	1.75	1.41	2.08	9.90	63.77
Hazlehurst	6.49	3.35	5.01	12.01	5.36	4.88	7.48	6.84	1.03	0.85	2.61	12.08	67.99
Hernando	6.20	0.83	3.26	13.47	7.50	1.47	6.47	1.62	3.10	2.09	1.56	5.67	53.24
Hickory	7.15	4.65	8.24	11.26	6.26	2.25	12.20	4.24	2.43	0.42	2.20	9.69	70.99
Holly Bluff	8.75	3.29	7.34	8.94	4.39	2.29	5.25	3.08	0.70	3.11	3.88	9.14	60.16
Holly Springs	7.58	2.03	3.03	9.85	6.48	7.11	3.58	2.99	4.37	1.29	2.44	6.25	57.00
Jackson	6.98	3.32	5.10	8.86	3.29	3.98	5.33	5.92	0.61	1.85	3.14	6.95	55.33
Kosciusko	5.77	2.96	8.66	6.17	7.12	4.65	4.84	3.73	1.23	2.00	2.31	5.68	55.12
Lake	6.35	3.10	5.28	7.82	5.09	3.08	8.85	10.02	1.23	1.00	2.76	8.76	63.34
Laurel	6.14	3.05	6.17	9.36	3.69	0.89	12.92	8.06	2.01	0.33	2.18	10.50	65.30
Leakesville	6.01	5.09	5.11	10.47	2.54	5.18	4.86	7.27	5.47	1.67	1.36	10.22	65.25
Louisville	5.48	3.42	10.22	7.69	5.73	3.82	6.90	5.40	2.13	0.49	3.10	6.39	60.77
Macon	4.88	3.64	7.41	8.56	4.41	3.62	4.71	6.59	1.58	0.10	3.20	7.32	56.02
Magnolia	5.86	3.70	3.91	7.51	2.39	5.58	6.35	6.83	3.33	2.28	3.81	10.37	61.92
Meadville	5.24	3.94	5.76	4.44	3.27	5.20	5.34	9.47	1.18	2.26	3.35	10.23	59.68
Mendenhall	.....	.....	.....	.....	.....	.....	.....	5.23	2.11	.....	2.04	11.95	.....
Meridian	6.50	4.31	7.19	9.43	3.41	3.79	7.02	6.92	2.44	0.79	2.22	9.42	63.44
Merrill	5.28	5.70	8.81	8.63	2.93	5.64	6.57	4.43	4.88	1.62	3.07	7.42	64.98
Monticello	6.26	3.67	3.93	6.74	2.30	4.20	6.60	4.34	1.55	1.96	2.96	15.58	60.09
Moorhead	9.41	2.56	7.58	10.36	8.70	5.17	2.45	1.63	1.34	1.05	4.81	8.51	63.57
Myrtle	.....	.....	.....	.....	7.91	7.13	6.33	2.75	.....	.....	.....	.....	.....
Natchez	6.74	3.28	3.92	4.74	3.24	4.69	5.34	4.35	2.66	2.18	3.23	7.22	51.59
Okolona	4.25	1.55	6.22	10.52	6.52	4.33	4.24	6.65	3.16	0.84	3.40	5.44	57.12
Pascagoula	5.39	5.11	1.23	6.04	3.15	4.74	5.71	7.73	6.80	2.92	2.02	6.25	57.09
Pearlington	5.41	1.24	6.25	4.22	4.88	9.14	8.93	7.59	9.93	2.29	4.07	7.04	70.99
Pontotoc	8.30	2.50	3.11	11.67	7.98	4.87	3.40	2.27	6.10	T.	3.20	6.53	59.93
Poplarville	4.52	5.33	2.96	6.15	3.87	4.62	8.17	4.61	4.03	.....	4.04	9.27	.....
Port Gibson	6.43	2.67	4.19	14.47	6.82	6.67	5.67	6.56	1.56	1.10	2.79	8.08	67.01
Rosedale	6.65	.....	3.48	9.57	6.00	3.26	4.31	3.70	1.94	2.67	4.59	6.58	.....
Scott	7.77	2.78	4.97	8.38	11.20	4.27	6.67	4.27	0.67	1.69	5.73	6.88	65.28
Shubuta	7.10	3.37	6.96	8.54	3.36	2.74	6.97	10.27	3.78	0.62	1.94	13.30	68.95
Stoneville	8.67	2.24	6.18	10.13	7.06	0.87	6.40	1.93	1.91	1.64	5.47	8.83	61.33
Swan Lake	7.72	1.84	5.42	9.45	11.52	5.34	4.04	6.07	2.80	2.82	5.61	7.38	70.01
Tobula	8.06	2.48	10.19	14.99	8.18	3.53	5.61	4.88	1.71	1.90	4.20	6.31	72.04
Tupelo	6.20	1.13	8.87	11.08	4.77	6.11	3.69	3.49	5.29	0.80	2.81	5.80	60.04
University	7.30	1.85	3.00	11.41	5.35	7.30	11.55	5.00	6.25	2.33	4.76	7.25	73.35
Utica	6.74	3.42	3.65	11.76	9.84	3.30	10.80	6.02	1.50	2.10	.....	8.50	.....
Vicksburg	8.65	2.70	5.05	10.15	4.37	3.22	8.47	4.07	3.22	0.60	2.56	7.14	60.20
Water Valley	8.10	2.11	4.95	11.67	9.39	.....	.....	2.30	4.60	1.30	4.60	7.85	.....
Waynesboro	7.05	3.08	3.60	8.35	5.28	1.86	4.96	6.90	4.20	0.85	1.88	14.09	62.10
Woodville	5.76	3.52	4.47	3.71	2.55	4.89	5.37	10.74	3.21	1.79	4.75	13.82	64.58
Yazoo City	7.53	2.79	6.56	9.15	5.64	2.54	7.93	3.20	0.43	1.74	2.95	8.85	59.31
Missouri.													
Amoret	0.51	0.14	4.85	2.83	2.66	3.51	3.09	10.21	5.56	2.87	1.40	0.82	38.36
Appleton City	0.94	0.31	6.37	4.24	4.28	2.09	2.26	8.15	7.85	1.97	1.40	0.79	40.65
Arcadia	3.56	0.76	7.84	3.59	7.87	0.68	3.71	5.74	1.48	4.22	0.72	3.03	43.20
Aurora	2.57	0.27	5.00	1.66	5.02	1.70	1.65	.....	.....	.....	.....	.....	.....
Avalon	0.91	0.15	9.10	4.35	3.33	4.28	3.50	3.30	4.16	1.80	2.25	1.85	38.98
Bethany	0.42	0.25	4.72	5.85	1.99	5.10	4.02	3.81	5.41	1.65	2.49	0.94	36.65
Birchtree	3.69	0.71	6.70	3.02	6.55	0.93	2.91	3.44	5.42	4.13	1.72	2.55	41.77
Bolivar	1.61	0.28	4.04	2.46	7.51	1.62	3.91	6.31	5.82	4.11	0.50	1.31	39.48
Boonville	0.68	0.35	5.82	3.39	3.56	3.07	2.52	6.16	4.36	3.45	0.48	0.80	34.64
Brunswick	0.49	0.34	5.87	5.07	3.86	2.77	3.22	5.27	3.55	2.65	1.65	1.41	36.15
Cape Girardeau	3.44	0.98	4.71	2.26	5.89	.....	3.01	3.21	2.07	3.03	0.63	3.68	.....
Caruthersville	7.91	2.64	3.39	6.06	4.71	4.93	3.71	3.33	4.20	4.44	0.96	6.49	52.77
Cassville	.....	0.43	3.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chillicothe	.....	.....	.....	5.74	2.93	3.43	4.26	4.52	3.46	1.66	2.58	1.11	.....
Clifton Hill	0.78	0.27	5.91	4.33	5.07	1.88	2.89	4.92	4.97	1.90	1.34	0.98	35.24
Clinton	1.05	0.39	6.35	4.39	4.30	1.57	2.60	6.04	9.06	2.84	0.85	1.21	40.65
Columbia	0.71	0.41	5.03	3.98	4.48	1.49	2.61	3.50	4.47	2.67	0.63	1.33	31.31
Conception	0.38	0.44	3.24	5.26	1.99	3.99	3.23	2.69	4.22	1.33	2.56	0.83	30.16
Dean	2.75	0.15	4.24	2.65	6.24	2.00	3.13	7.73	4.25	5.35	0.98	3.17	42.64
Doniphan	4.49	1.89	7.45	3.62	6.59	2.63	3.26	2.35	5.53	3.50	0.95	5.09	47.35
Downing	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.90	1.76	1.67	.....
Edgerton	0.10	0.24	3.47	3.00	1.47	2.11	4.50	4.97	4.66	1.05	2.08	0.76	29.01
Eldon	1.09	0.89	2.83	3.10	4.41	1.71	2.30	4.38	4.26	4.42	0.54	0.71	30.64
Farmington	2.55	1.22	5.76	3.37	10.15	0.57	4.20	6.05	0.96	4.34	0.92	2.95	43.04
Fayette	0.84	0.53	5.39	3.47	4.52	2.51	3.63	5.08	5.34	2.79	0.38	0.40	34.88

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Missouri—Continued.													
Fulton	0.29	0.26	3.12	1.41	7.22	1.09	3.38	4.06	3.89	3.63	0.81	2.11	31.27
Gano	2.53	1.45	5.26	2.76	6.49	0.67	2.44	9.06	6.26	4.72	0.49	2.76	44.89
Glencoe	2.00	0.24	3.41	2.96	4.13	.....	.....	.....	.....	.....	.....	.....	.....
Goodland	2.00	0.04	7.43	3.76	7.04	0.88	2.96	5.26	3.32	4.78	1.05	2.52	41.04
Gorin	0.21	0.22	4.27	6.18	2.89	4.96	5.81	2.91	3.65	1.54	1.56	1.35	35.55
Grant City	0.60	0.40	5.01	5.23	2.31	2.47	3.39	3.66	.....	2.10	1.76	1.30	.....
Hannibal	0.96	0.68	4.47	4.36	3.80	2.21	2.74	3.05	4.92	1.48	0.95	0.96	30.58
Harrisonville	0.59	0.07	5.08	2.99	1.70	3.14	3.06	4.70	4.60	1.83	0.93	0.83	29.52
Hermann	0.77	0.11	3.36	3.29	6.95	0.80	1.11	2.51	1.88	3.67	0.77	2.18	27.40
Hollister	2.50	0.59	6.04	3.60	7.20	2.00	2.70	5.70	4.80	3.40	0.20	2.40	41.13
Houston	3.02	0.32	6.27	1.94	5.54	1.64	2.48	6.57	5.19	4.39	0.59	2.28	40.23
Jackson	2.61	1.99	8.74	2.69	6.29	2.32	4.46	3.62	1.68	2.90	0.43	4.15	41.88
Jefferson City	0.78	0.27	2.97	2.49	4.97	1.45	2.32	6.35	3.32	4.13	0.86	1.41	31.32
Kansas City	0.35	0.07	4.32	5.02	3.06	6.63	9.78	3.11	4.30	1.87	1.73	0.89	41.13
Kidder	0.31	0.14	3.40	8.19	2.62	3.82	3.13	6.72	5.06	1.36	2.70	0.88	38.33
Kirksville	0.15	0.51	6.77	7.09	4.01	3.20	2.63	2.08	3.24	1.15	1.33	1.26	33.42
Koshkonong	4.31	1.23	8.09	3.14	7.26	1.56	5.87	5.46	4.85	4.89	0.81	2.63	50.10
Lamar	2.20	0.10	4.73	3.37	10.05	1.08	3.72	4.77	5.51	4.68	1.21	1.40	42.82
Lamonte	0.70	0.25	6.62	6.13	2.53	2.60	.....	.....	.....	1.95	0.53	0.68	.....
Lebanon	1.58	1.39	4.37	2.07	5.82	1.46	5.32	5.37	8.77	5.37	0.37	2.02	43.91
Lexington	0.43	0.53	7.08	5.77	3.15	2.75	3.35	4.61	4.65	1.86	1.69	0.97	36.84
Liberty	0.13	0.21	4.05	6.23	2.90	3.80	6.41	5.28	3.84	1.55	1.91	0.85	37.16
Lockwood	1.21	T.	6.13	3.56	6.66	2.62	1.26	5.94	6.54	5.87	0.85	2.06	42.70
Louisiana	1.03	0.33	3.76	4.03	7.52	1.14	1.18	4.81	2.84	2.45	1.55	2.51	33.15
Macon	0.50	0.18	4.69	5.50	3.91	1.92	2.96	6.21	6.55	2.31	2.01	1.24	37.98
Marble Hill	2.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.72	.....
Marshall	0.63	0.13	5.16	5.37	1.79	1.57	2.21	5.03	3.83	2.65	0.68	0.65	29.70
Maryville	0.35	0.86	2.98	5.53	1.72	1.81	3.22	0.96	3.82	0.93	2.38	0.85	25.41
Mexico	0.95	0.25	4.11	3.57	6.93	1.53	1.03	2.27	7.63	2.27	0.79	1.00	32.33
Mountain Grove	2.18	0.44	7.35	1.78	6.86	3.14	2.78	5.98	5.02	4.64	0.25	2.34	42.76
Neosho	1.99	0.29	5.69	2.28	7.57	3.32	4.08	4.84	8.00	6.09	1.30	2.10	47.55
Nevada	1.28	.....	5.68	3.70	8.84	1.36	1.69	5.08	7.34	3.57	0.93	0.92	.....
New Madrid	7.10	2.94	4.55	5.49	6.34	.....	5.22	3.44	3.21	3.45	1.36	6.66	.....
Oakfield	1.96	0.20	3.23	3.69	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oregon	0.24	0.08	3.97	5.42	2.23	3.89	5.04	3.47	3.42	1.36	2.46	1.25	32.83
Osceola	0.70	0.50	4.66	3.83	2.90	1.99	3.83	10.47	8.85	3.60	0.50	0.74	42.57
Pacific	1.81	0.42	3.06	3.21	4.05	0.91	0.79	3.13	1.69	2.37	0.42	2.23	24.09
Palmyra	0.79	0.13	4.98	5.26	4.00	1.82	4.47	1.18	6.62	1.48	1.16	1.06	32.95
Parma	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.10	0.91	6.76	.....
Patton	3.35	0.91	7.16	3.30	9.64	0.60	3.78	6.69	1.18	3.47	1.24	4.24	45.56
Poplar Bluff	5.20	1.28	6.10	3.41	5.63	2.94	5.16	5.20	7.05	3.83	0.11	4.44	50.35
Rolla	1.99	1.18	6.06	2.31	6.28	1.84	1.04	5.58	6.23	4.21	0.45	2.04	39.21
St. Catherine	0.26	0.11	6.20	6.16	3.08	2.57	4.62	3.24	3.86	1.42	1.89	1.28	34.69
St. Charles	0.93	0.99	1.67	3.95	3.98	1.49	0.78	6.05	5.47	2.66	0.30	1.96	30.23
St. Joseph	0.32	0.31	5.05	5.80	1.61	6.51	3.34	1.95	5.04	2.22	2.75	0.87	35.77
St. Louis (Weather Bureau)	1.85	0.74	3.97	3.43	5.00	1.53	0.73	4.16	4.79	2.36	0.56	2.41	31.53
St. Louis (No. 2)	1.50	0.63	4.37	3.87	5.44	1.79	0.83	3.65	3.67	1.80	0.68	2.23	30.46
Seymour	.....	.....	.....	.....	.....	.....	.....	.....	4.05	3.92	0.40	2.82	.....
Shelbina	0.78	.....	6.47	4.94	5.04	1.25	2.23	3.35	4.45	1.04	0.80	0.93	.....
Springfield	2.36	0.42	4.90	1.53	6.53	1.43	2.42	6.31	4.42	4.09	0.64	1.84	36.89
Steelville	2.41	1.21	4.27	2.32	6.55	1.30	1.67	4.68	3.32	5.31	0.55	2.23	35.82
Steffenville	0.72	0.10	4.36	4.75	4.69	3.18	3.28	2.05	4.94	1.98	1.57	0.71	32.33
Tarkio	0.21	0.91	1.35	5.78	3.96	3.39	2.69	3.23	1.65	1.13	2.29	0.62	27.21
Trenton	0.16	0.32	5.44	3.82	3.13	2.90	5.84	5.79	5.92	2.87	2.20	1.09	39.48
Tuscumbia	1.06	0.49	3.60	2.43	3.43	1.06	1.86	4.32	6.68	4.23	0.53	1.71	31.40
Union	1.66	0.33	4.04	2.64	4.95	1.09	1.93	4.86	2.10	3.32	0.48	2.44	29.84
Unionville	0.50	0.44	4.51	4.80	3.40	5.40	7.22	1.76	4.91	2.23	2.39	2.19	39.75
Valley Park	1.82	0.44	4.72	3.11	4.44	1.41	1.67	3.09	2.83	.....	0.47	1.86	.....
Vanduser	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.21	0.62	6.41	.....
Warrensburg	.....	.....	.....	.....	.....	.....	5.31	6.59	.....	.....	.....	.....	.....
Warrenton	1.17	0.45	3.49	2.93	4.56	1.36	1.67	4.34	4.20	3.75	0.69	2.60	31.21
Warsaw	1.53	0.60	7.40	4.50	4.54	2.73	6.64	5.06	8.89	4.62	1.07	1.53	49.11
Waverly	0.50	0.28	6.21	4.71	3.02	.....	3.17	4.19	3.83	2.05	1.08	1.48	.....
Montana.													
Adel	1.11	2.35	1.99	.....	1.65	5.97	1.00	3.37	1.23	3.22	1.20	0.21	.....
Agricultural College	0.32	0.51	2.02	2.41	3.33	3.58	1.21	1.05	0.83	1.71	1.07	1.21	19.25
Anaconda	0.36	0.52	1.47	0.62	2.88	1.18	1.17	0.54	0.76	0.57	0.59	0.50	11.16
Augusta	0.80	0.56	0.48	4.20	2.52	2.40	0.48	1.58	0.44	0.60	T.	.....	.....
Babb	0.96	1.37	0.40	3.28	2.20	1.29	2.14	1.10	0.25	1.02	0.21	0.12	14.34
Ballantine	0.45	0.30	0.60	1.39	1.79	2.54	0.88	0.78	0.35	0.11	0.14	0.49	9.82
Belton	0.98	0.15	1.71	0.52	0.32	0.70	1.57	2.50	3.73	3.12	2.33	2.05	19.68
Bennett's Ranch	.....	.....	.....	.....	.....	.....	.....	4.26	1.05	0.60	0.02	0.25	.....
Biddle	0.60	.....	0.50	2.27	.....	2.86	1.57	1.13	0.47	0.64	.....	.....	.....
Bix Ox	0.78	0.80	2.57	1.77	3.49	2.19	0.84	1.09	1.15	1.93	0.32	0.88	17.81
Bigtimber	0.75	0.77	0.57	1.90	3.65	2.25	0.58	1.79	0.85	0.40	0.45	0.52	14.48
Billings	0.79	0.74	0.95	1.40	2.41	1.80	0.55	0.79	0.16	0.23	0.07	0.42	10.31
Blackleaf	2.08	.....	0.88	3.51	2.28	2.58	.....	.....	.....	.....	.....	0.21	.....
Bowen	0.46	0.41	1.23	1.54	0.49	2.13	0.76	0.74	0.83	0.94	0.44	0.63	10.60
Brenner	1.13	0.50	1.03	1.04	1.80	0.96	1.89	0.29	0.68	1.17	0.55	0.79	11.83
Bridger	0.62	0.88	0.34	1.55	2.51	0.86	0.84	0.31	0.87	0.47	T.	0.37	9.12
Broadus	.....	T.	.....	2.15	3.64	3.27	1.29	.....	.....	0.63	0.60	0.33	.....
Browning	1.31	0.26	0.22	1.33	1.07	0.24	1.71	0.97	T.	T.	T.	T.	7.11
Busby	0.67	0.47	0.84	1.89	2.39	2.66	1.44	1.63	0.72	0.54	0.17	0.31	13.73
Busteed	0.95	0.72	0.88	1.96	4.15	2.22	1.20	1.73	0.18	0.51	0.29	0.31	14.95
Butte	0.20	0.92	2.06	1.28	1.47	2.34	0.91	1.30	0.95	2.05	0.28	0.50	14.26
Canyon Ferry	0.27	0.03	0.42	1.73	1.14	1.58	0.26	.....	1.58	2.07	0.09	0.06	.....
Carter	.....	.....	.....	.....	.....	1.30	2.22	0.82	0.75	0.91	T.	0.12	.....
Cascade	0.67	0.98	0.83	5.14	1.61	1.11	0.35	1.21	0.57	.....	0.50	0.16	.....
Chester	.....	.....	.....	1.38	1.79	.....	.....	.....	.....	.....	.....	.....	.....
Chinook	1.17	0.27	0.13	2.71	0.89	3.49	2.06	1.04	1.10	1.09	.....	0.35	.....
Choteau	0.88	0.42	0.13	1.52	.....	.....	.....	0.58	0.10	1.32	0.10	.....	.....
Christensen	0.59	1.28	0.53	3.33	2.66	3.21	1.50	0.79	.....	.....	.....	.....	.....
Clear Creek	.....	.....	.....	.....	1.02	2.82	1.87	.....	.....	.....	.....	.....	.....
Columbia Falls	1.53	0.18	1.52	2.20	1.50	1.45	0.97	2.16	1.65	2.22	1.41	2.11	18.90

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Montana—Continued.													
Como	1.29	0.41	1.60	1.21	2.26	1.44	0.54	0.69	1.47	1.22	0.91	1.70	14.74
Conrad	0.63	0.16	1.37	1.94	1.61	2.47	2.05	0.92	0.05	0.75	0.12	0.08	12.15
Copper	0.49	0.63	0.88	1.69	2.16	3.25	1.53	1.78	0.88	0.91	0.41	0.38	14.99
Crow Agency	1.15	2.26	0.95	2.35	2.66	4.08	1.55	0.00	0.00	0.30	0.25	0.71	16.26
Culbertson	0.49	0.11	0.60	1.09	1.76	1.29	1.08	0.95	1.31	1.68	0.05	0.03	10.44
Cut Bank	0.15	0.05	0.05	1.59	1.13	1.39	1.82	0.70	0.00	0.20	0.19	0.18	7.45
Dayton	0.84	0.17	0.55	1.96	1.31	1.36	0.70	1.66	.....	.....	.....	0.90	.....
Deer Lodge	0.51	0.19	1.70	0.47	1.67	2.10	1.35	2.42	0.84	0.97	0.17	0.90	13.29
Dell	0.08	0.33	0.68	0.80	0.97	1.48	1.24	1.09	1.26	1.10	0.21	0.18	9.42
Denton	0.29	0.26	0.35	2.60	0.96	2.53	0.96	0.99	0.46	0.73	0.10	0.16	10.39
Dillon	0.35	1.40	1.71	1.95	3.41	2.44	2.70	0.91	1.26	0.88	0.51	0.40	17.92
Dunkirk	0.40	0.31	1.13	1.83	1.49	1.06	1.53	1.15	0.10	0.96	0.08	0.28	10.32
East Anaconda	0.58	0.62	1.38	1.11	2.66	0.87	0.91	0.55	1.00	0.82	0.51	0.49	11.50
Ekalaka	0.31	0.52	0.53	2.58	4.02	1.81	1.20	.....	0.40	0.55	0.16	0.43	.....
Elliston	1.32	0.50	1.85	1.44	1.03	0.54	.....	.....	.....	.....	.....	.....	.....
Ennis	0.08	0.88	1.92	1.64	1.40	2.75	0.55	0.30	.....	.....	0.31	0.48	.....
Findon	0.84	0.35	0.58	3.08	3.76	4.39	2.11	1.90	0.99	0.60	0.36	0.27	19.23
Flatwillow	0.33	0.30	0.30	0.98	2.07	3.60	1.18	1.26	0.81	0.14	0.23	0.33	11.53
Fortine	1.74	0.98	2.67	1.62	0.99	1.37	2.51	2.49	0.62	1.81	.....	.....	.....
Fort Shaw	0.47	0.30	T.	2.56	0.93	1.40	1.28	0.96	0.57	0.89	0.07	0.07	9.50
Foster	0.57	1.00	0.84	1.55	1.95	1.51	1.30	1.10	0.00	0.51	0.30	0.22	10.85
Geraldine	0.93	0.86	0.59	4.70	1.30	2.01	2.49	1.19	0.51	1.32	0.04	0.45	16.39
Glasgow	0.43	0.19	0.35	1.27	1.17	2.19	1.49	1.27	1.16	0.36	0.04	0.18	10.10
Glendive	0.80	0.20	0.66	2.89	0.68	2.47	1.74	1.40	1.52	1.05	0.05	0.05	13.51
Goldbutte	1.11	0.95	0.49	1.82	0.88	0.76	0.90	1.08	0.23	0.69	0.14	0.39	9.44
Great Falls	0.62	0.69	0.92	2.70	1.22	1.62	0.84	0.35	0.72	1.92	0.29	0.28	12.17
Hamilton	.....	.....	.....	1.37	1.44	.....	.....	.....	.....	.....	.....	0.58	.....
Harlowton	0.27	.....	0.10	1.22	4.32	2.12	0.46	0.70	0.00	.....	0.20	0.44	.....
Haugan	4.07	0.56	4.01	2.37	2.47	2.17	1.05	1.71	2.88	2.37	0.94	3.44	28.04
Havre	1.14	0.42	0.46	2.65	1.39	3.09	1.51	0.81	0.34	1.25	0.07	1.01	14.14
Hebgen Dam	0.93	1.30	3.23	2.36	3.19	2.46	1.18	1.45	2.39	2.53	1.64	.....	.....
Helena	0.66	0.36	1.27	1.71	2.56	2.01	0.76	0.79	1.39	2.01	0.34	0.24	14.10
Hercules Ranch	.....	.....	.....	.....	1.75	2.61	0.90	1.24	0.64	0.73	0.50	0.23	.....
Heron	2.82	0.47	2.91	2.44	2.90	0.96	1.56	1.29	4.28	2.41	.....	5.52	.....
Highwood	0.36	0.40	0.77	3.19	0.96	1.40	2.19	0.68	0.77	1.88	0.29	0.17	13.06
Hobson	.....	.....	.....	.....	.....	.....	0.69	1.15	0.90	0.71	0.08	.....	.....
Holter	0.33	0.37	0.51	3.52	1.75	1.82	0.30	0.81	1.08	1.51	0.15	0.07	12.22
Jordan	1.12	0.59	.....	1.82	1.19	2.60	.....	.....	.....	.....	.....	.....	.....
Kalispell	0.85	0.26	0.92	1.48	1.15	0.95	0.98	2.61	0.70	1.25	0.43	1.23	12.81
Knobles Ranch	0.32	0.27	0.26	1.86	2.57	1.53	2.49	1.63	0.28	1.12	0.08	0.38	12.79
Knowlton	.....	0.79	1.32	2.02	1.58	2.77	2.21	1.61	1.09	0.98	0.69	0.84	.....
Lewistown	0.79	1.00	0.86	3.48	2.33	5.11	1.18	1.30	1.42	1.03	0.48	0.63	19.61
Libby	1.57	0.56	1.24	1.36	2.00	0.88	0.71	1.08	1.69	1.27	1.63	1.93	15.92
Livingston	0.73	0.41	1.18	1.86	3.75	2.26	0.69	0.62	.....	.....	.....	.....	.....
Lonepine	1.76	0.00	0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lytle	0.72	0.52	0.65	1.82	2.23	2.02	0.95	0.70	0.10	1.06	0.05	0.45	11.27
Malta	0.95	0.05	0.06	2.19	0.94	7.20	2.06	1.56	0.29	0.76	0.02	0.17	16.25
Medicine Lake	.....	.....	.....	0.74	1.82	.....	.....	1.88	2.55	1.13	T.	0.02	.....
Melstone	.....	.....	.....	.....	.....	.....	.....	.....	0.01	T.	0.01	0.34	.....
Mildred	0.35	0.08	0.30	1.73	1.89	1.65	1.14	1.14	0.27	0.48	0.20	0.08	9.31
Miles City	1.42	0.85	1.31	0.64	0.95	2.76	2.66	0.59	0.35	0.34	0.42	0.67	12.97
Missoula	0.96	0.08	1.21	1.67	2.54	0.76	0.92	0.98	1.35	1.14	1.38	0.76	13.75
Norris	0.37	1.06	1.70	2.29	3.74	2.58	0.67	1.10	1.08	1.68	0.54	0.37	17.18
Outlook	.....	0.06	.....	0.54	2.12	1.59	2.19	2.48	2.75	1.37	0.02	.....	.....
Ovando	1.84	0.05	1.32	1.59	1.54	2.31	0.96	1.65	2.03	1.31	1.10	1.20	16.90
Philipsburg	0.79	0.19	2.15	1.60	1.70	2.39	0.51	1.45	1.70	1.38	0.44	0.57	14.87
Pinegrove	0.86	0.41	0.37	3.17	4.46	3.73	2.36	1.05	.....	0.03	0.30	.....	.....
Plains	2.44	0.20	1.32	2.26	3.11	2.12	0.50	0.97	0.83	0.94	0.73	0.95	16.37
Plevna	0.87	0.72	1.23	1.91	3.47	2.47	1.94	1.83	0.83	1.19	0.35	0.33	17.14
Poison	1.26	0.30	1.28	2.66	0.93	1.74	0.34	1.50	0.91	1.88	0.75	0.60	14.15
Poplar	0.75	0.21	0.35	0.61	1.55	1.97	0.17	1.63	1.54	1.12	0.12	0.05	10.07
Red Lodge	0.54	0.91	0.42	3.81	5.24	1.09	1.41	0.94	0.33	1.04	0.50	0.57	16.80
Renova	0.03	0.34	0.59	2.06	2.59	3.37	1.17	1.16	0.90	1.08	0.26	0.03	13.58
Rock Springs	2.79	0.92	1.02	1.21	1.23	2.85	0.66	0.70	0.33	0.05	0.35	0.18	12.29
Roundup	1.52	0.72	1.07	2.17	2.63	6.26	2.32	1.71	0.70	0.12	0.22	0.61	20.05
Rudyard	.....	.....	.....	0.97	1.55	1.61	1.35	1.09	0.53	.....	T.	0.06	.....
St. Ignatius	1.36	0.04	1.18	2.54	2.78	1.70	0.82	1.30	0.64	2.02	0.33	0.25	14.96
Savage	0.52	0.22	0.73	2.04	1.39	2.01	2.05	0.96	1.11	1.76	0.10	0.13	13.02
Shelby	0.17	0.05	1.16	3.34	1.97	1.92	1.73	0.90	T.	1.58	0.02	0.10	12.94
Sidney	0.63	0.08	1.86	1.75	1.09	1.98	2.40	1.01	0.73	1.71	0.06	0.08	13.38
Snowbelt	0.32	0.33	0.96	1.62	0.89	3.87	1.67	0.71	0.53	0.19	0.18	0.47	11.74
Springbrook	1.45	0.90	1.93	1.61	1.06	2.98	1.25	1.10	0.96	1.05	0.52	0.40	15.21
Stevensville	0.07	.....	.....	0.54	1.89	1.02	1.35	1.10	2.08	1.28	.....	0.54	.....
Stryker	1.68	0.48	1.44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Suffolk	0.12	0.73	0.20	3.27	2.38	.....	.....	.....	.....	.....	.....	.....	.....
Sula	.....	.....	1.44	.....	2.01	1.56	1.17	0.97	.....	.....	.....	.....	.....
Sun River Canyon	.....	0.53	0.76	3.56	3.25	1.26	0.79	1.39	0.68	1.11	0.06	0.41	.....
Sunset Orchard	.....	.....	.....	1.89	2.00	1.10	1.30	0.90	1.90	.....	.....	0.37	.....
Superior	2.04	0.17	2.24	1.20	2.56	1.70	0.99	0.68	1.20	1.25	1.62	1.24	16.89
Thompson Falls	1.78	0.20	2.27	2.97	2.64	2.10	1.49	1.17	1.45	2.22	1.22	2.37	21.88
Three Forks	.....	.....	0.36	.....	2.70	2.27	1.41	1.00	0.63	1.17	1.12	0.06	.....
Townsend	.....	.....	0.20	0.94	1.08	2.30	1.46	0.57	0.28	1.31	0.52	0.00	.....
Trout Creek	3.96	T.	3.05	1.13	1.24	1.11	1.46	1.12	4.02	2.54	2.06	2.57	24.26
Upper Yeak River	2.19	0.28	1.62	2.71	2.74	0.75	0.43	1.37	3.43	1.40	1.62	2.19	20.73
Utica	0.32	0.70	0.20	2.60	3.30	4.11	1.50	1.50	0.51	0.91	0.81	0.24	16.70
Valentine	0.01	0.30	0.15	1.80	1.87	3.11	1.76	1.09	0.87	0.23	0.06	0.09	11.34
Valier	0.20	0.06	0.08	1.61	1.73	2.19	2.25	1.29	0.15	0.60	0.02	0.02	10.20
Vananda	0.79	0.53	0.55	1.94	1.12	2.64	1.96	0.02	0.40	0.09	0.48	0.49	11.01
Victor	2.32	.....	.....	2.55	2.01	1.19	0.39	0.93	1.91	0.88	0.65	1.28	.....
Virginia City	.....	0.32	1.35	1.45	2.66	2.51	0.60	0.62	1.39	1.43	0.46	1.00	.....
Wheaton	0.74	0.40	1.01	2.35	2.22	5.81	.....	2.23	0.94	0.33	T.	0.53	.....
White Sulphur Springs	0.18	0.28	0.11	0.58	1.80	2.34	0.70	1.47	0.79	0.65	0.16	T.	9.05
White Water	0.55	0.29	0.05	1.15	1.34	3.07	2.17	2.44	0.52	0.64	0.11	0.17	12.50
Wibaux	0.49	0.52	0.84	2.20	1.36	3.95	0.91	1.00	0.96	0.70	0.16	0.10	13.19
Willow Creek Reservoir	.....	0.67	0.51	2.94	2.11	1.77	0.79	0.91	.....	.....	.....	0.08	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska.													
Ainsworth	T.	0.67	1.65	5.27	9.24	5.49	0.61	3.97	0.60	0.45	2.19	1.80	31.14
Albion	T.	0.20	1.06	5.61	6.22	2.13	6.82	4.85	1.94	4.41	1.35	1.28	34.87
Alliance	0.24					0.81	2.35	1.57	0.69				
Alma	0.38	0.35	0.10	3.61	2.44	2.00	2.40	4.30	2.55	2.90	0.71	0.18	21.92
Antioch	0.19	0.45	1.12	3.48									
Arcadia	0.00	0.38	0.28	6.75	2.69	3.00	1.62	4.88	1.12	2.88	1.18	0.50	25.28
Arden	0.10	0.25	2.15	9.88	4.53	5.56	2.60	5.28	0.40	2.50	1.27	1.35	35.87
Ashland	0.24	0.71	0.59	3.00	3.11	3.21	3.64	2.74	0.78	3.56	1.43	1.00	24.01
Atkinson	T.	0.15	2.00	6.02	4.14	4.34	1.37	2.80	1.27	0.50	1.51	1.40	25.50
Auburn	0.30	1.72	0.83	5.76	5.42	1.91	3.75	2.02	2.45	0.85	2.52	0.90	28.43
Beatrice	0.18	1.27	0.49	4.96	3.20	2.53	3.53	2.97	1.15	1.30	2.18	0.92	24.68
Beaver City	0.31				2.36	2.39	2.13	6.09	2.02	3.03	0.68	0.35	
Bertrand	T.	T.	0.13	4.65	1.75	2.16	1.09	5.22	0.25	5.32	0.72	0.45	21.74
Blair	0.12	0.78	1.46	3.99	3.27	1.70	4.29	4.15	1.62	4.24	3.57	1.02	30.21
Bradshaw	0.20	0.85	0.39	3.38	2.04	1.77	5.10	2.70	2.14	2.12	3.72	0.64	25.05
Brewster	T.	0.49	1.02	4.61	4.48	4.89	2.36	5.19	0.50	1.37	0.76	1.17	26.84
Bridgeport	0.20	0.50	1.25	4.42	4.36	1.34	1.96	3.31	0.33	1.02	T.	0.38	19.07
Broken Bow	T.	0.49	0.47	5.76	2.98	2.13	3.40	2.68	1.27	1.95	1.73	0.96	23.82
Brownlee	0.10	0.15	0.77	4.08	4.70	6.85	0.90	3.76					
Bruning	0.05	1.17	0.51	5.29	1.65	2.59	2.70	3.56	2.15	3.44	2.12	0.49	25.72
Burwell		0.30	0.70	10.72	3.21	4.56	5.10	3.97	0.61	1.91	1.06	0.80	
Butte	0.15	0.64	2.91	5.70	3.61	5.81	1.60	2.11	0.68	0.54	1.18	1.45	26.38
Cairo	0.03	0.28	1.05	5.62	2.49	0.85	3.08	3.70	2.94	3.01	1.34	0.75	25.14
Callaway		0.09			2.63	1.32	4.26	3.05	1.36	2.39		0.80	
Canton	0.60	0.75	0.55	4.44	4.88	1.58	1.15	3.13	0.64	1.39	0.00	0.60	19.71
Central City	0.10	0.68	0.72	4.95	4.46	2.15	4.71	4.28	2.04	3.43	1.41	0.44	29.37
Chadron	0.28	0.61	0.51	5.47	3.23	1.51	1.96	3.13	0.13	0.78	2.12	0.40	20.13
Clay Center	0.10	0.95	0.59	4.27	1.89	2.20	2.57	6.31	1.91	3.86	1.84	0.45	26.94
Columbus	0.15	0.58	0.88	4.07	4.46	1.52	3.21	2.01	2.34	2.84	1.51	1.01	24.58
Crete	0.08	0.10	0.04	3.72	3.21	3.05	4.93	4.08	1.65	4.58	1.47	0.53	27.44
Culbertson	0.30	0.55	0.61	4.60	1.94	2.05	1.04	5.15	0.52	1.73	0.71	0.82	20.02
Curtis	0.10	0.40	0.20	4.68	2.90	1.10	2.80	5.30	0.80	2.60	0.10	0.52	21.50
David City	0.10	0.64	0.69	4.13	2.87	1.79	4.18	4.18	0.59	2.50	2.75	0.97	25.30
Drexel	0.14	0.37	2.10	4.65	3.13	2.16	5.18	4.82	0.99	4.94	2.50	1.21	32.19
Dumas	T.	0.50	0.74	9.58	5.86	5.66	2.65	4.40	0.90	1.68	1.65	0.64	34.25
Elm Creek	0.00	0.11	0.84	5.66	1.60	1.17	2.31	4.90	1.50	6.75	0.87	0.55	26.25
Elsie	0.06	0.49	0.40	3.62	3.81	2.07	2.54	4.32	0.12	1.06	0.58	0.87	19.94
Ericson	T.	0.19	0.85	7.11	5.19	7.50	2.03	2.25	0.65	1.80	1.08	0.94	29.59
Ewing	0.08	0.25	1.10	6.57	3.90	4.65	1.01	3.05	1.33	1.72	1.37	0.59	25.62
Fairbury	0.17	1.38	0.57	4.83	1.95	3.38	3.90	2.91	3.46	2.86	1.70	0.97	28.08
Fairmont	0.10	0.90	0.30	3.78	2.39	3.01	5.09	5.62	1.69	2.80	3.31	0.52	29.51
Falls City	0.20	0.92					7.36	2.13	1.77	1.29	2.52	0.93	
Fort Omaha	0.32	0.57	0.60	3.81	2.59	2.15	4.47	4.32	0.81	2.25	1.97	0.99	24.85
Fort Robinson	0.40	0.63	1.06			1.61	1.52	2.24	0.16	1.74	0.02	0.60	
Franklin	0.25	0.56	0.66	5.12	2.10	2.13	0.96	4.13	2.39	2.62	0.98	0.64	22.54
Fremont	0.05	0.35	2.23	3.64	4.13	1.73	7.68	5.54	1.69	3.36	3.00	0.72	34.12
Fullerton	0.10	0.24	1.97	5.64	4.21	2.79	5.77	5.21	0.73	3.70	1.61	1.09	33.06
Geneva	0.30	1.30	0.19	3.96	1.38	2.64	3.84	2.62	1.69	4.38	1.51	0.71	24.52
Genoa	0.10	0.30	1.30	4.61	5.74	1.90	7.82	5.46	1.45		1.05	1.34	
Gibbon	0.02	0.42	0.75	5.07	1.59	2.56	2.80	4.48					
Gordon	0.27	0.41	0.53	4.89	4.40	4.73	1.90	2.08	0.54	0.96	0.53	0.40	21.64
Gosper	T.	0.34	0.10	5.44	1.65	3.20	1.56	5.80	1.68	5.60	0.45	0.26	26.08
Gothenburg	0.15	0.55	0.50	5.25	1.90	1.75	2.12	5.50	0.23	2.90	0.52	0.92	22.39
Grand Island	0.30	0.60	0.81	4.72	2.77	1.40	3.69	4.52	1.83	1.71	1.54	0.38	24.27
Greeley	T.	0.09	0.48	5.84	4.27								
Guide Rock	0.10	0.85	0.57	4.53	1.60	1.63	2.68	4.44	3.40	4.47	1.57	0.65	26.49
Haigler		0.49	0.75	2.93	2.07	4.35	1.30	4.02	2.57	1.89	0.05	0.80	
Halsey	T.	0.45	0.71	2.82	4.14	3.67	2.51	4.77	0.30	0.83	0.13	0.90	21.23
Hardy	T.	0.96		5.35	2.02	1.00	2.15	4.34	1.96				
Harrison				5.64	4.64	2.75	1.92	1.91	0.19	1.20	0.52	0.50	
Hartington	0.10	0.55	2.14	7.25	6.22	5.26	1.74	1.81	1.62	3.00	1.06	1.25	32.00
Hastings	0.55	0.55	0.60	5.43	1.83	4.00	3.74	4.52	1.30	2.10	3.05	0.72	28.39
Hayes Center	0.30	0.40	1.12	6.25	3.28	1.98	1.50	4.41	0.20	2.12	0.45	0.90	22.90
Hay Springs	0.35	0.93	1.20	6.04	5.66	2.63	2.75	1.88	1.48	1.57	0.69	0.35	25.53
Hebron	0.09	1.19	0.32	3.95	1.56	4.21	2.02	2.97	2.70	2.94	2.04	0.54	24.53
Hillside	0.15	0.64	0.41	4.66	5.68	3.30	2.51	2.86	2.40	1.12	T	0.79	24.52
Holdrege	0.05	0.35	0.35	3.91	0.80	1.16		3.16	0.07		0.49	0.67	
Imperial	0.22	0.60	1.56	4.68	4.46	3.72	1.58	4.19	0.60	1.69	0.25	0.64	24.19
Kearney	0.15	0.20	0.68	4.53	1.72	3.29	1.71	3.71	0.62	2.88	0.80	0.95	21.24
Kimball	0.55	0.30	0.78	4.61	1.44	1.51	0.18	3.56	0.84	1.02	0.10	0.30	15.19
Kola	0.05	0.15											
Kowanda	0.24	0.19		4.47	3.56	2.39	2.17	2.81			0.00	0.52	
Lexington	0.00	0.35	0.32	5.72	1.85	1.34	1.78	4.82	1.01	3.98	0.78	0.83	22.78
Lincoln	0.22	0.84	0.68	5.06	3.77	2.05	3.80	3.69	1.44	2.98	1.20	0.46	26.19
Lodgepole	0.20	0.20	0.59	5.80	1.68	2.80	1.86	3.07	1.15	0.83	T.	0.60	18.78
Loup City	T.	0.20											
McCook	0.17	0.35	0.10	4.48	2.08	1.76	1.17	3.20	1.02	2.77			
McCool Junction	0.30	0.50	0.40	3.09	3.02	2.14	4.73	4.18	1.37	4.33	1.98	0.60	26.64
Madison	0.05	0.05	2.72	5.80	4.33	4.34		3.82	2.16	3.46	2.13	1.29	
Madrid	0.19	0.66	0.81		3.15	2.54	2.64	3.67	0.51	1.02		0.83	
Mary	T.	0.60	0.70	4.97	4.98	5.17	0.85	6.77	0.52	1.26	0.47	1.30	27.59
Mason City			0.55	6.30	2.92	2.08	1.75				0.80	0.90	
Melbeta	0.50	0.45	1.70	3.72	2.24	2.78	0.95	3.43	1.32	1.34	0.00	0.58	19.05
Merriman	0.19	0.27	0.31	5.52	5.29	4.38	1.58	3.18	0.82	1.40	0.63	0.75	24.32
Minden	0.14	0.51	0.50	4.85	3.11	2.17	3.12	4.06	2.17	2.43	1.09	0.64	24.79
Mitchell	0.35	0.56	0.72	4.20	1.80	1.39	1.30	1.93	0.33	0.96	0.20	0.33	14.09
Nebraska City	0.22	0.75	0.23	5.52	3.27	1.05	2.58	3.76	1.00	1.70	2.64	1.60	24.32
Neligh	0.05	0.14	0.87	5.70	3.66	6.59	2.78	3.07	0.86	1.72	1.04	0.75	27.23
Nenzel	0.15	0.20	0.75	5.43	6.24	5.38	1.85	2.67	0.91	1.01	0.65	0.80	26.04
Newport	T.	0.15								1.23	0.97	1.11	
Norfolk	0.22	0.44	2.48	6.82	5.24	5.29	3.03	4.61	1.54	3.81	1.17	0.64	35.29
North Loup	T.	0.23	1.67	7.15	3.92	5.09	2.39	4.78	1.25	2.21	1.26	0.91	30.86
North Platte	0.07	0.72	0.38	3.42	3.31	2.35	1.62	4.73	0.83	1.29	0.04	0.60	19.36
Oakdale	0.05	0.29	3.21	8.04	3.68	6.21	6.73	4.32	0.68	3.13	0.91	0.75	33.05
Ogallala												0.55	

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska—Continued.													
maha	0.28	0.83	0.47	3.39	2.55	2.62	3.91	2.78	1.03	2.87	1.47	0.81	23.01
'Neill	T.	0.10	1.74	8.22	4.00	6.25	1.33	3.20	1.16	1.23	2.23	1.10	30.56
rd	0.00	T.	0.36	10.27	3.85	6.27	3.51	4.88	0.95	4.33	0.85	0.94	36.21
rleans	0.20	0.10	0.25	3.23	2.16	3.30	3.09	4.77	2.76	3.46	0.55	0.30	24.17
sceola					3.75			4.35	2.05	3.50	2.60	0.90	
shkosh	0.35	0.31	0.95	6.87	2.53	2.12	1.86	2.26	1.39	0.89	T.	0.68	20.21
alisade	0.14	0.21	0.98	5.18	2.62	2.34	2.01	6.66	0.82	2.02	0.83	0.80	24.61
awnee City	0.05	0.70	0.73	2.66	2.66	1.00	5.50	1.97	1.35	1.24	2.93	1.20	21.99
axton	0.11	0.91	0.85	3.26	2.36	2.11	1.33	4.32	0.07	1.00	T.	1.30	17.62
lattsmouth			0.20	4.96	2.99	2.47	4.94	3.62	1.04	1.30	2.17	0.65	
urdum	0.02	0.55	0.69	5.76	3.24	5.08	1.90	4.67	0.24	0.89	0.96	1.27	25.27
avenna	0.02	0.66	0.65	7.08	2.01	1.90	2.91	4.03	1.87	4.07	1.02	1.06	27.28
ed Cloud	0.06	0.80	0.48	4.63	2.19	1.17	1.41	5.02	2.26	2.53	1.04	0.42	22.01
t. Paul	T.	0.38	0.61	5.80	4.44	2.89	4.11	4.14	2.48	3.96	1.15	0.83	30.79
antee	0.15	0.29	1.76	3.26	3.99		2.89	2.15	0.81	0.47	2.49	1.20	
chuyler		0.76	0.83	5.35	3.96	1.20	3.01	2.57	0.55	2.59	2.67	0.68	
cottsbluff	0.43	0.54	1.70	4.01	3.23	1.29	1.81	2.62	0.72	1.18	0.34	0.39	18.26
eward	0.15	0.49	0.51	4.06	2.98	1.62	5.51	3.97	1.30	4.23	1.84	0.65	27.31
idney	0.35	0.17	0.65	6.15	2.92	2.75	0.71	2.61	0.97	0.64	0.07	0.55	18.54
pringfield	0.50	0.79	1.19	3.25	2.10	1.69	7.13	13.29	0.45	1.67	2.69	0.87	35.62
tanton	0.30	0.65	1.87	4.52	5.02	4.13	6.49	5.00	3.35	2.98	1.55	0.89	36.75
tratton	0.16	0.31	0.70	5.75	2.42	3.15	0.72	5.75	1.13	2.46	0.31	0.69	23.55
utherland	T.	0.58	0.78	1.80	2.66	2.03	1.15	5.02	T.	0.52	0.25	0.90	15.69
yracuse	0.40	0.65	0.27	4.30	3.97	1.58	6.42	2.23	1.28	2.18	2.26	0.83	26.37
able Rock	0.13	1.00	0.73	5.77	2.86	1.40	4.94	2.59	1.09	1.49	2.14	1.38	25.52
ecumseh	0.20	1.48	0.62	5.34	4.63	2.41	4.94	3.04	1.39	0.85	1.82	0.75	27.47
ekamah	0.10	1.00	1.79	4.25	2.87	2.66	3.42	2.10	1.62	2.72	3.19	0.80	26.52
renton				6.30	2.91	2.30	1.23	4.55					
niversity Farm	0.22	0.84	0.70	5.06	5.01	2.03	3.89	4.68	1.35	3.08	1.56	0.44	28.86
pland	0.50	0.50	0.55	3.20	2.90	1.80	0.70	5.20	1.12	3.45	1.45	0.27	21.64
tica	0.11	0.70	0.50	3.75	2.45	1.98	3.17	4.80	1.81	3.72	2.49	0.46	25.94
alentine	0.17	0.29	1.04	4.45	8.18	3.48	1.14	1.73	2.33	1.21	0.46	0.87	25.35
Wahoo	0.20	0.37	0.60	4.55	2.70	2.15	4.55	4.27	1.03	3.25	2.10	1.05	26.82
Wakefield	0.09	0.49	2.15	7.91	4.33	5.51	4.02	7.28	2.34	3.38	2.04	1.20	40.74
Walthill	0.17	0.60	1.93	4.12	3.95	7.85	4.12	2.73	1.59	3.02	2.01	0.64	32.73
Watertown	T.	0.30	0.65	7.11	1.90	2.19	1.64	3.14	1.15	4.45	0.76	0.92	24.21
Waunetа	T.	0.20	0.30	2.89	2.42	2.36	0.65	2.73	0.66	1.47	0.22	0.67	14.57
Weeping Water	0.25	0.95	0.45	3.57	3.12	1.15	4.38	3.23	1.15	2.14	1.55	0.75	22.69
West Point	0.10	0.50	2.69	7.31	5.41	4.60	5.28	3.46	2.33	3.28	2.22	0.98	38.16
Wisner	T.	0.70	1.25	6.19	5.36								
York	0.40	1.01	0.74	4.89	2.59	1.33	3.38	2.79	1.80	3.34	2.78	0.85	25.90
Nevada.													
Arthur	0.28	1.32	3.60	3.22	0.66	0.33	0.78	1.90	0.85	2.45	0.91	2.03	18.33
Austin	0.74	0.77	2.53	1.24	1.00	0.30	0.60	0.70	0.00	1.70	0.93	1.13	11.64
Battle Mountain	0.02	0.08			0.04	0.55	0.00	0.82	T.	0.55	0.60	0.15	
Beatty	0.23	1.45	0.98	0.11	0.36	0.86	0.14	0.38	0.00	0.44	0.10	0.12	5.67
Beowawe		0.24	0.17	0.96	0.00	0.05	0.00	0.75	0.00	0.88	0.11	0.56	
Clover Valley		0.61	2.03	2.21	0.39	0.24	0.00	0.40	0.67	0.50	1.51	1.20	
Elko	T.	0.50	1.30	1.10	0.20	0.10	T.	T.	0.20	1.50	0.95	1.10	6.95
Eureka	0.15	0.89											
Fallon	0.03	0.52	0.98	0.10	0.16	0.23	0.00	0.90	0.04	0.38	0.41	0.26	5.01
Gerlach	0.12	0.13	0.85	0.09	T.	0.55	0.00	0.54	T.	0.43		0.39	
Golconda	0.32	0.24	2.50	1.00	0.20	0.10	0.00	0.17	0.00		0.36		
Gold Creek	0.43	0.50	2.86	3.65	0.80	1.55	0.41	0.58	1.46	3.24	1.86	2.78	20.12
Goldfield	T.	1.31	2.55	0.02	1.08	0.31	0.25	1.90	0.00	0.07	0.05	0.04	7.58
Hylton	0.30	0.57	2.30	2.58	0.61	0.52	0.30	0.77	0.26	2.64	0.59	2.34	14.28
Imlay	0.11	0.03	1.56	1.22	0.33	0.40	0.00	0.41	0.70	0.10	0.86	0.50	6.22
Jungo	0.08	0.00		T.	0.00		0.00	0.50	0.06	0.01			
Lahontan	T.	T.	0.44	T.	0.02	0.12	0.00	2.97	T.	0.30	0.11	0.34	4.30
Lamoille	0.53	0.59	5.19	4.82	0.82	0.20	T.	1.32	1.21	3.43	1.34	2.56	22.01
Las Vegas	1.03	1.37	0.58	0.00	0.38	0.60	0.13	0.25	T.	0.40	T.	T.	4.74
Lemmons Valley	0.16	0.51	0.80	1.25	0.08	1.56	0.00	0.61					
Logandale	1.16	1.53	0.79	T.	0.04	0.33	0.48	0.27	0.01	1.10	0.00	0.29	6.00
Lovelock	0.35	0.13	1.50	0.23	0.30	T.	0.00	1.75	0.00	0.51	0.38	0.54	5.69
McDermitt	0.16												
McGill	0.13	1.43	1.29	0.57	1.31	0.67	1.25	1.64	0.29	1.40	0.39	1.02	11.39
Mahoney Ranger Station						1.75	0.50	1.21	0.77	3.67	1.36	1.57	
Marlette Lake	0.61	2.80	6.00	3.52	0.19	1.89	0.10	1.62	0.11	2.32	4.70	4.99	28.85
Metropolis	T.	0.06	0.96	1.03	0.58						2.68		
Millett	0.11	0.91	0.46	0.14	T.	0.50	0.01	0.28	0.00	0.35	0.72	0.75	4.23
Minden	0.13	0.43	0.66	0.28	0.10	1.88	0.03	0.47	T.	0.35	1.25	0.93	6.51
Mina	0.11	0.40	0.52	0.00	0.22	0.19	0.00	1.07	0.00	T.	0.06	0.10	2.67
North Fork	0.10	0.58	2.07	1.45	1.09	0.74	0.12	0.75	1.04	1.34	2.62	1.56	13.46
Owyhee	1.52	1.25	2.23	3.26	1.37			0.58	2.00		1.02	2.72	
Pahrump	0.94	1.31	0.72	0.07	0.79	1.10	0.21	0.40	0.00	1.25	0.12	0.35	7.26
Paradise Valley				1.03	0.34	0.38	0.00						
Quinn River Ranch	0.16	0.46				1.06	0.00	1.16	0.27	0.51	0.99	0.52	
Rebel Creek	0.39	0.39	1.78	1.21	0.92	0.32	0.04	1.83	0.62	1.78	1.46	2.21	12.95
Reno	0.04	0.38	0.57	1.10	T.	1.94	T.	0.47	0.10	0.42	0.72	0.99	6.73
Rye Patch								0.93	0.72	0.63	0.96	1.06	
Sand Pass	0.15	0.35	0.74	0.32	0.06	0.96	0.11	0.70	0.17	0.53	1.19	0.93	6.21
San Jacinto	0.15	0.49	0.77	1.38	0.53	0.49	0.26	0.27	0.46	1.19	0.31	0.27	6.57
Schurz	T.	0.45	0.38	0.02	T.	0.15	0.06	0.95	T.	0.11	0.38	0.50	3.00
Searchlight	1.48	3.39	0.81	0.00	0.70	0.85	0.34	1.20	0.00	0.65	0.05	0.04	9.51
Sharp	0.30	2.22	3.25	0.08	1.66	0.35	0.35	0.75	0.08	1.56	0.40	1.10	12.10
Smith	0.05	0.48	1.01	0.30	0.76	0.13	0.03	0.90	0.14	0.27	0.47	0.62	5.16
Sulphur	0.30	T.	0.95	0.27	T.	1.20	0.00	0.62	0.38	0.42	0.61	0.79	5.54
Tecoma	0.04	0.36	0.27	0.23	0.17	0.10	0.00	0.15	0.00	1.24	0.12	0.40	3.08
Thorne	0.00	0.20	0.10	0.00	0.40	0.20	0.00	1.40	T.	0.10	0.30	0.10	2.80
Tonopah	0.04	0.42	0.84	0.03	0.31	0.21	0.24	0.95	0.03	0.44	0.39	0.16	4.06
Tuscarora	0.31	0.63	2.47	2.87	0.85	0.77	0.06	0.74	1.89	2.36	1.88	2.60	17.43
Vya	0.42	0.82	1.48					1.00	0.46	1.31	2.44		
Winnemucca	0.39	0.24	1.73	0.80	0.15	0.51	T.	0.76	0.40	0.52	1.33	1.17	8.00
Yerington	0.06	0.21	0.52	0.04	0.30	0.12	T.	1.10	0.00	0.08	0.15	T.	2.58

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Hampshire.													
Alstead Center	1.37	3.11	3.59	6.87	2.16	3.48	3.25	5.59	5.91	1.73	3.88	5.40	46.34
Berlin	1.87	4.31	5.24	3.86	0.74	2.48	3.18	4.13	5.44	1.41	4.64	5.71	43.01
Bethlehem	2.40	3.75	4.18	5.40	1.43	2.86	3.52	2.44	6.35	0.95	2.85	5.23	41.36
Concord	1.46	3.23	2.43	5.91	2.50	3.68	3.24	4.77	7.91	0.98	2.62	5.80	44.53
Durham	1.75	4.33	3.27	5.82	3.65	4.04	2.77	3.52	8.82	1.35	5.28	5.01	49.61
Franklin	1.57	4.08	3.67	5.93	2.58	2.88	3.85	5.50	8.18	1.33	3.67	6.47	49.71
Glencliff	2.15	5.38	3.42	5.54	2.46	2.98	3.63	3.81	6.36	1.02	4.75	5.15	46.65
Hanover	2.69	3.76	3.39	6.02	3.85	2.39	3.34	3.21	6.09	1.47	5.26	4.68	48.15
Keene	1.77	5.04	4.21	5.90	2.75	2.87	3.89	6.27	5.19	1.46	3.73	5.22	48.30
Pittsburg (a)	2.04	2.93	3.56	4.45	1.11	5.83	8.19	3.22	7.14	2.52	3.22	6.72	50.93
Plymouth	1.65	3.06	3.36	6.92	2.54	2.76	4.55	3.79	7.05	1.41	4.08	6.83	48.00
West Stewartstown	2.29	2.73	1.95	4.84	0.98	.....	.....	.....	3.00	3.15	2.21	2.51	.....
Woodsville	.....	3.12	2.60	4.91	2.49	4.24	3.40	3.39	5.20	1.90	3.84	4.61	.....
New Jersey.													
Asbury Park	1.76	.....	2.29	4.07	3.41	5.97	1.20	6.19	2.76	1.17	3.44	5.78	.....
Atlantic City	2.87	5.54	3.36	3.39	1.61	8.45	1.86	5.65	1.69	0.67	6.00	4.27	45.36
Belvidere	2.66	3.77	3.64	4.60	3.29	4.02	9.28	4.66	4.92	1.98	4.57	4.57	51.96
Bergen Point	2.75	5.05	3.06	4.65	3.41	5.49	.....	6.79	2.82	1.06	.....	6.22	.....
Boonton	2.07	3.68	4.39	5.43	2.71	5.74	7.90	6.24	3.32	4.53	4.09	6.17	56.27
Bridgeton	2.81	3.50	3.68	3.94	2.77	8.59	4.61	5.94	2.33	0.55	3.93	4.14	46.79
Burlington	2.86	4.25	3.56	4.29	3.51	5.87	3.34	9.25	1.77	1.73	4.01	5.30	49.74
Camp Dix	2.43	3.83	2.93	6.04	3.31	6.86	4.03	8.71	3.98	1.21	5.57	2.86	51.76
Cape May	3.38	4.89	2.78	2.90	1.80	5.36	3.42	7.78	2.02	1.47	6.06	4.07	45.93
Charlotteburg	1.61	3.54	4.87	5.49	3.01	5.78	8.66	4.05	7.56	1.15	6.31	6.49	58.52
Chatham	2.93	3.87	4.49	5.35	2.67	4.31	8.85	5.07	5.93	1.08	4.08	4.81	53.44
Clayton	2.40	2.39	2.82	4.27	2.47	6.32	2.02	8.06	3.11	1.70	3.14	4.25	42.95
Culvers Lake	2.62	2.65	3.56	5.40	3.34	5.92	8.27	4.07	8.53	2.31	4.38	4.51	55.56
Dover	2.75	2.80	5.36	5.61	3.18	4.83	9.05	5.17	4.97	2.66	4.58	5.90	52.86
Elizabeth	3.20	6.01	4.96	4.72	3.28	5.38	7.74	2.94	3.75	1.78	3.82	5.39	52.97
Flemington	2.49	2.88	3.47	4.62	2.84	4.92	5.43	5.03	2.69	1.74	3.39	4.80	44.30
Hammonton	3.53	.....	.....	4.60	2.07	9.79	3.05	5.14	1.67	4.25	5.25	4.59	.....
Hightstown	2.53	3.76	4.14	4.42	3.39	4.10	2.25	7.27	2.51	2.68	3.69	5.14	45.88
Highwood	2.62	5.31	3.63	4.04	3.05	5.72	6.87	6.73	5.37	1.73	4.20	5.74	55.01
Imlaystown	2.23	2.96	.....	3.52	3.35	5.95	3.40	5.81	3.43	2.63	4.47	4.47	.....
Indian Mills	3.29	4.62	4.12	4.18	3.15	7.44	3.28	7.38	2.07	1.87	4.03	5.15	50.58
Jersey City	2.96	6.31	4.79	4.80	3.35	6.04	5.88	4.31	3.21	1.23	3.58	5.27	51.73
Kearny	3.10	5.91	5.30	4.35	2.19	4.69	6.01	4.43	3.02	1.17	3.88	5.58	50.53
Lakewood	3.51	5.94	4.59	3.27	3.94	7.08	2.39	5.94	2.39	1.74	5.42	6.07	52.28
Lambertville	2.08	.....	.....	5.29	2.98	4.84	5.63	9.45	3.04	0.78	3.36	5.46	.....
Layton	2.64	4.00	2.35	5.23	4.04	4.11	7.96	4.21	7.63	2.34	.....	4.73	.....
Little Falls	3.00	5.38	4.58	5.05	3.62	4.24	10.01	9.74	4.18	4.28	4.13	6.63	64.84
Long Branch	1.67	4.62	2.98	6.06	3.57	9.04	1.96	6.04	5.67	1.49	7.90	6.18	57.18
Moorestown	2.34	2.91	2.85	3.18	.....	5.04	5.60	10.60	.....	.....	.....	5.16	.....
Newark	2.05	3.89	3.95	4.85	3.34	9.31	16.25	4.36	5.41	1.27	5.05	5.72	65.45
New Brunswick	2.64	3.95	3.56	4.28	3.56	9.64	6.00	8.21	2.23	2.35	4.03	5.02	55.47
New Milford	2.36	2.42	3.56	4.39	3.17	5.60	8.70	4.44	7.38	1.19	.....	5.20	.....
Newton	2.03	3.09	3.38	4.88	3.81	4.43	12.52	6.22	7.02	2.76	4.61	4.57	59.32
Northfield	2.83	4.33	2.95	2.98	1.86	8.37	1.44	4.17	1.90	1.82	5.81	4.65	43.11
North Plainfield	2.59	4.81	4.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paterson	2.47	5.29	3.66	4.21	2.75	4.17	6.70	5.54	4.82	1.81	3.22	5.41	50.05
Phillipsburg	2.24	4.39	3.39	5.50	2.47	3.12	8.99	8.26	4.21	1.84	3.93	5.05	53.39
Plainfield	2.41	4.11	4.39	5.05	2.99	4.77	8.32	5.65	2.76	2.21	4.00	5.40	52.06
Pleasantville	.....	4.03	3.05	3.07	1.79	11.66	1.96	5.05	2.06	1.55	5.95	4.58	.....
Pompton Plains	2.50	4.75	4.79	4.00	3.09	5.76	.....	.....	.....	.....	.....	.....	.....
Ridgefield	2.56	5.16	4.32	3.82	2.53	5.42	5.56	5.99	4.62	1.08	4.00	5.04	50.10
Sandy Hook	2.19	3.90	3.43	4.96	1.86	6.69	4.70	5.33	1.73	0.83	3.60	5.16	44.47
Somerville	3.35	4.85	3.95	4.89	2.64	5.19	7.21	6.74	3.12	2.43	3.37	5.72	53.46
South Orange	2.84	5.70	4.78	5.25	3.51	3.87	9.23	.....	.....	0.79	3.34	5.56	.....
Sussex	2.40	2.59	3.26	.....	3.18	5.50	6.41	.....	7.76	2.73	3.88	4.07	.....
Trenton	2.40	4.27	3.81	4.34	2.66	5.63	2.16	7.08	2.23	0.92	2.14	4.25	42.89
Tuckerton	2.20	7.20	3.96	4.11	5.23	10.23	2.02	4.75	1.86	1.16	5.72	5.20	53.54
Vineland	2.83	3.74	3.56	3.93	2.31	7.52	.....	.....	3.80	0.65	5.27	5.46	.....
Woodcliff Lake	.....	.....	2.61	3.76	2.92	3.40	5.05	3.96	5.93	0.95	.....	4.17	.....
New Mexico.													
Abbott	0.41	0.42	0.01	0.45	1.55	2.72	2.56	2.33	1.41	2.46	T.	0.65	14.37
Agricultural College	0.72	0.43	0.07	0.00	0.58	1.20	1.05	2.74	0.08	1.30	0.01	0.00	8.18
Alamos Ranch	1.10	1.55	1.25	1.34	1.97	2.34	1.76	2.60	.....	.....	.....	.....	.....
Alamogordo (No. 1)	0.78	0.30	0.48	T.	0.53	2.75	1.63	2.57	0.41	1.01	0.00	T.	10.46
Alamogordo (No. 2)	1.19	1.23	0.24	T.	0.51	1.89	1.62	2.42	0.61	0.83	0.00	T.	10.54
Albuquerque	0.04	0.30	0.43	0.38	1.07	0.67	0.15	1.50	0.29	1.12	0.08	0.23	6.26
Alma	2.04	1.88	1.15	0.43	0.11	1.69	1.16	2.82	1.74	1.38	0.34	0.09	14.83
Ancho	0.82	1.37	0.75	0.12	1.55	1.77	2.87	2.48	0.87	1.55	0.00	0.30	14.45
Anchor Mine	1.25	2.58	2.45	3.54	2.40	1.68	3.29	2.64	2.16	.....	.....	.....	.....
Aragon	1.84	0.80	0.62	1.30	T.	0.40	0.75	0.70	0.30	1.45	0.48	0.71	9.35
Artesia	0.81	0.31	0.00	0.00	1.08	3.19	1.82	2.09	1.08	3.60	0.66	0.00	14.64
Aspen Grove Ranch	0.89	2.16	2.27	2.02	1.75	1.80	0.96	1.43	0.22	[1.96]	0.82	1.07	17.35
Aurora	0.14	1.19	0.71	1.25	2.82	2.64	3.23	4.66	2.63	1.47	0.06	0.50	21.30
Aztec	0.83	1.73	0.26	0.34	1.44	0.92	0.20	0.17	0.33	1.33	0.11	0.30	7.96
Baca Ranch Ranger Station	0.42	0.52	[0.12]	0.44	2.27	4.18	2.38	3.25	1.24	1.12	T.	0.11	16.05
Baldwin Ranger Station	.....	.....	.....	.....	1.04	1.11	3.09	3.68	0.82	1.62	0.00	0.74	.....
Barton	2.71	1.14	0.42	0.84	1.32	2.75	2.15	2.04	0.20	2.07	0.33	1.33	13.70
Bateman's Ranch	1.12	2.56	4.02	2.49	2.72	2.71	1.42	4.05	1.79	1.94	0.95	1.75	27.52
Bell Ranch	0.27	0.29	0.17	0.05	3.92	2.19	1.72	2.16	2.54	2.57	0.08	T.	15.96
Bellview	.....	.....	.....	.....	.....	1.41	2.88	5.61	1.50	1.84	0.76	0.52	.....
Black Lake	0.17	1.29	0.11	1.33	0.71	2.12	2.15	5.68	0.80	1.41	0.08	0.30	16.15
Blackrock	1.28	1.29	1.54	0.75	0.37	[0.34]	[1.50]	0.72	0.80	0.73	0.10	0.65	10.07
Bloomfield	0.48	1.21	0.62	0.40	0.84	1.07	0.33	1.04	0.73	1.20	0.14	0.01	8.04
Bland	0.97	2.15	1.13	1.35	2.94	1.77	2.25	4.08	1.85	2.43	0.42	0.13	21.47
Boaz	0.82	0.35	0.25	T.	1.24	1.71	1.55	1.69	[0.95]	0.27	0.10	0.05	8.98
Buchanan	0.95	0.73	0.27	0.21	1.96	3.13	1.11	1.96	0.96	1.79	0.17	0.01	13.25
Cabezo	0.14	0.54	0.05	0.10	1.42	1.64	2.01	3.70	1.05	2.13	0.05	0.10	12.93
Cambray	2.18	[0.40]	0.16	0.01	0.00	2.13	0.37	1.91	0.11	0.73	0.00	0.00	8.00

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Campana	0.28	0.21	0.10	0.10	1.70	1.10	1.75	3.31	1.21	2.79	0.04	0.06	12.65
Capitan	0.61	0.66	0.12	0.65	1.10	3.90	3.83	3.36	0.54	1.31	0.03	0.35	16.46
Capulin Ranger Station	.....	2.33	1.01	1.20	1.45	.....	1.72	1.64	1.07	1.09	0.28	0.70	.....
Carlsbad	1.15	0.72	0.00	0.00	2.61	2.07	1.29	1.59	0.97	3.76	0.58	0.00	14.74
Carrizozo	0.44	0.70	0.40	T.	0.32	1.23	0.81	[1.86]	2.05	1.52	T.	T.	9.83
Carson Seep Ranger Station	1.35	0.84	0.5	.....	2.62	7.84	1.60	1.24	0.12	3.62	0.08	0.00	.....
Chacon	0.64	1.93	1.66	2.75	2.81	2.43	1.90	2.71	0.65	1.94	0.25	0.84	20.51
Chama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.38	3.40	.....
Cimarron	0.03	0.73	0.45	0.45	2.22	2.14	2.96	5.31	0.90	2.84	0.12	0.16	18.31
Clayton	0.24	0.21	0.10	0.20	2.18	0.77	1.14	0.91	1.65	2.53	0.19	0.33	10.45
Cloudcroft	1.37	1.15	1.39	1.34	[0.80]	5.85	3.61	4.40	2.31	1.97	T.	0.28	24.47
Cloverdale	1.22	0.75	1.47	0.73	0.00	0.77	0.59	1.69	0.98	1.57	0.00	0.05	9.82
Clovis	0.65	0.11	0.38	0.01	1.71	4.30	1.60	6.11	1.20	0.94	0.59	0.10	17.70
Columbus	2.23	0.42	T.	0.18	T.	2.44	0.84	1.42	T.	0.40	0.00	T.	7.93
Corbin Farms	.....	.....	.....	.....	.....	1.66	0.90	4.63	0.20	1.40	0.31	0.12	.....
Corona	0.81	0.91	0.76	0.87	4.00	2.80	1.24	2.04	1.60	1.36	T.	0.02	16.41
Costilla	0.05	0.20	0.53	.....	2.39	1.64	1.69	1.62	1.25	1.92	.....	.....	.....
Crownpoint	0.48	1.20	0.56	0.58	0.80	.....	.....	.....	.....	.....	T.	0.53	.....
Cuervo	0.20	0.14	0.30	0.20	1.53	3.35	1.30	1.63	1.75	3.30	0.02	0.04	13.76
Cundiyo	0.21	0.15	0.51	0.17	0.23	0.39	1.21	1.48	0.11	0.80	0.25	1.56	7.07
Dawson	T.	1.16	T.	[0.45]	2.74	2.20	1.93	2.84	2.04	4.41	0.30	0.23	18.30
Deming	0.60	0.42	0.67	0.10	0.00	0.93	0.51	0.43	0.70	1.10	0.02	T.	5.48
Deming (near)	1.36	0.20	0.74	0.05	0.09	1.05	0.74	0.43	0.70	1.05	0.02	T.	6.43
Demonstration Farm	0.62	0.70	0.08	0.32	2.82	2.72	2.98	7.05	1.59	2.30	0.08	0.15	21.41
Des Moines	0.43	0.39	0.32	1.47	3.30	1.35	0.98	2.33	4.13	1.86	0.28	0.44	17.28
Dulce	1.38	3.19	1.56	2.02	2.44	1.54	3.72	2.89	1.76	0.98	0.84	0.56	22.88
Duran	0.90	0.89	0.14	1.28	1.79	2.80	0.95	0.65	1.05	1.15	0.14	0.42	12.16
Eagle Rock Ranger Station	0.31	0.56	0.88	1.01	3.28	1.53	0.94	3.17	1.56	2.20	0.22	0.73	16.39
Elephant Butte Dam	1.12	0.73	0.56	0.11	0.02	0.62	1.02	1.41	0.59	1.64	0.01	0.00	7.83
Elida	0.86	[0.40]	0.00	0.00	1.00	3.66	2.12	2.23	0.00	0.50	0.00	0.00	10.77
Elizabethtown	0.08	1.11	0.82	0.90	1.22	1.14	1.35	4.03	1.45	1.48	0.07	0.56	14.21
Espanola	[0.40]	0.86	0.65	0.58	1.96	0.81	0.91	4.15	0.32	2.00	0.06	0.53	13.23
Field	.....	.....	.....	.....	.....	.....	.....	.....	2.41	0.98	0.87	0.50	.....
Fort Bayard	1.74	1.25	2.34	0.20	0.04	.....	.....	.....	.....	.....	.....	.....	.....
Fort Stanton	0.28	0.23	0.20	[0.65]	1.61	0.54	3.37	4.00	1.71	1.86	T.	0.08	14.53
Fort Sumner	0.84	T.	0.24	0.26	1.14	2.73	2.96	3.01	0.10	1.61	0.45	0.07	13.41
Fruitland	1.45	1.73	0.60	0.45	1.99	0.88	0.19	0.76	0.50	1.82	0.15	0.41	10.93
Gage	0.89	1.04	0.45	0.00	0.00	[0.95]	0.55	1.39	0.15	[1.08]	[0.02]	0.10	6.62
Gallinas Planting Station	1.30	2.82	1.26	1.49	3.16	3.47	4.03	7.31	1.92	2.02	0.12	[0.84]	29.74
Gallinas Ranger Station	[0.82]	0.47	0.61	0.71	1.96	2.17	1.29	3.22	2.73	1.52	0.05	0.09	15.64
Gallup	0.69	0.84	[0.89]	[0.63]	0.34	0.34	1.24	1.29	1.02	1.42	0.48	0.13	9.31
Garfield	1.02	0.35	0.49	0.00	0.09	0.67	2.66	2.63	0.24	2.38	0.00	0.00	10.53
Gladstone	.....	.....	.....	.....	.....	1.90	.....	.....	.....	.....	.....	0.48	.....
Glorieta Ranch	1.31	0.35	0.13	T.	1.15	1.26	0.92	1.26	1.89	2.77	0.26	0.02	11.32
Hachita	0.59	0.60	0.64	0.15	T.	0.50	0.67	2.01	0.15	0.97	0.00	T.	6.28
Hagerman	.....	.....	.....	.....	.....	.....	.....	4.03	0.19	0.15	0.23	.....	.....
Harvey's Upper Ranch	1.70	1.88	1.43	3.15	2.82	4.05	2.72	7.82	2.36	2.80	0.40	1.27	32.40
Hayden (near)	0.10	0.22	0.02	0.25	2.01	2.08	1.85	3.25	1.40	2.21	T.	0.15	13.54
Haynes	.....	.....	.....	0.50	0.80	1.33	1.19	0.45	0.39	0.75	0.20	0.19	.....
Hermanes	0.73	1.21	0.65	0.26	0.00	1.28	2.19	3.30	0.27	0.57	0.68	0.00	10.54
Hermosa	2.08	0.45	1.36	T.	1.09	1.82	3.11	2.64	2.22	4.70	0.06	T.	19.53
Hobbs	0.96	0.12	0.05	T.	2.50	0.75	1.02	9.17	0.67	1.30	0.85	T.	17.39
Hood Range Station	1.85	2.29	1.29	0.90	0.36	0.63	0.78	1.79	1.47	1.26	0.50	0.00	13.12
Hoosier Ranch	0.09	0.38	T.	T.	2.22	2.52	1.29	1.70	1.47	3.50	T.	0.04	13.21
Hope	2.17	0.32	0.07	0.00	2.15	2.60	0.62	1.87	0.78	2.39	0.43	0.00	13.40
Ione	0.30	0.22	T.	0.20	2.73	2.85	3.14	4.99	1.27	3.88	0.23	0.35	20.16
Jal	0.96	0.00	0.00	0.00	2.41	0.40	2.10	8.33	2.05	1.09	0.75	0.00	18.09
James Springs	1.29	1.33	1.15	1.41	1.90	1.16	1.56	2.73	0.26	2.42	0.42	0.65	16.28
Johnson's Park	T.	0.09	0.06	2.13	1.93	4.16	2.03	3.72	1.18	2.30	0.11	0.66	18.37
Kingston Ranger Station	1.82	0.83	1.56	0.13	0.20	1.50	2.01	1.98	1.83	3.79	0.32	0.02	15.99
Laguna	2.25	0.47	1.00	0.78	1.01	1.62	1.11	3.94	0.89	0.70	T.	0.04	13.81
Lagunita	0.96	0.58	T.	0.45	1.48	2.81	2.06	1.79	1.85	1.82	0.21	T.	14.01
Lake Alice	T.	0.46	0.72	2.30	1.78	4.24	2.51	2.08	0.84	3.05	0.20	0.95	19.13
Lake Avalon	0.74	0.28	0.00	0.00	1.40	2.28	1.50	2.31	0.98	2.90	0.27	0.00	12.66
Lake Valley	1.88	0.75	0.51	0.20	T.	1.63	2.11	2.97	1.28	2.50	0.11	T.	13.94
Lakewood	0.71	0.50	T.	0.00	0.50	2.00	0.95	1.55	0.25	3.00	0.25	0.00	9.71
Lanark	0.85	0.36	0.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Las Vegas	0.64	0.83	0.17	0.56	4.70	3.02	1.76	4.65	1.18	2.11	0.06	0.15	19.83
Logan	0.20	0.49	T.	0.48	2.75	2.31	3.11	3.80	2.08	3.64	0.18	0.30	19.34
Lordsburg	1.90	0.43	0.62	0.00	0.00	0.70	0.90	0.90	1.25	0.60	0.00	0.20	7.50
Los Lunas (near)	0.20	0.00	T.	0.35	T.	0.78	T.	2.71	1.88	0.35	T.	T.	6.27
Loving	0.92	.....	.....	.....	2.00	2.28	1.27	1.98	0.80	2.85	0.95	0.00	.....
Lovington	0.62	0.28	T.	T.	2.45	3.64	1.09	3.92	0.44	0.88	0.82	0.00	14.14
Luna	1.47	0.58	0.74	0.27	0.40	1.75	3.09	3.97	[1.32]	1.33	0.69	0.50	16.11
Magdalena	2.69	0.44	0.13	1.06	0.82	0.80	.....	.....	1.82	.....	0.00	T.	.....
Maxwell	0.00	0.56	0.06	0.12	2.50	2.34	1.16	3.71	1.72	2.56	0.09	0.26	15.08
Mayhill Ranger Station	0.87	0.95	T.	0.03	3.06	4.97	2.44	4.07	2.07	2.55	T.	T.	21.01
Meek	1.19	0.72	0.00	0.85	2.32	6.30	2.40	4.83	1.65	3.53	0.19	T.	24.98
Melrose	0.30	0.33	0.03	0.16	1.55	3.07	1.42	2.84	0.65	0.91	0.27	0.09	11.62
Mescalero	0.43	0.80	0.64	0.50	0.53	2.66	1.97	2.15	0.90	1.97	0.01	0.27	12.83
Miami Ranch	0.15	0.46	0.14	0.38	1.73	.....	.....	2.90	1.62	2.16	T.	T.	.....
Mills	0.29	0.49	T.	0.16	3.00	2.86	1.40	2.95	1.60	2.15	T.	T.	14.90
Mills (near)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.11	.....
Mineral Hill	0.88	1.41	0.29	1.01	2.53	2.03	2.35	6.44	0.68	2.08	0.25	0.69	20.64
Mogollon Ranger Station	3.66	2.06	2.65	2.35	0.40	2.00	1.50	2.73	1.71	2.40	0.85	[0.30]	22.61
Montoya	0.40	0.15	0.50	0.18	0.78	1.50	0.60	2.10	0.38	2.63	0.15	T.	9.37
Mosquero	0.32	0.31	T.	T.	1.02	1.96	2.55	3.55	1.32	2.03	0.20	0.16	13.42
Mountainair (near)	1.57	0.46	0.58	1.15	1.38	2.34	0.91	3.78	0.86	1.69	0.23	0.46	15.41
Mountain Park	0.88	1.39	1.51	0.22	0.69	4.88	2.27	2.49	1.32	1.71	0.02	0.27	17.65
Nara Visa	0.12	0.19	T.	0.50	2.66	3.52	[2.48]	1.63	2.05	4.86	0.26	T.	18.27
Newman	1.07	0.80	0.17	T.	0.67	2.85	0.52	0.61	0.07	1.04	0.06	T.	7.86
Nogal	1.30	0.83	1.67	2.07	1.31	5.24	6.54	3.10	1.15	2.82	0.24	0.83	27.10
Noria	0.68	0.86	0.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Olive	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.02	0.10	0.00	.....
Orogrande	0.49	0.69	0.40	T.	0.05	2.72	0.40	1.21	0.15	1.40	0.04	0.00	7.55

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Oscura (No. 1)	0.97	0.56	0.93	0.05	0.16	1.29	1.79	0.86	1.27	1.43	0.12	T.	9.43
Oscura (No. 2)	1.09	0.76	1.00	0.05	0.14	0.89	1.56	0.61	1.32	1.46	0.15	T.	9.03
Palma	0.50	0.02	T.	T.	0.27	1.04	0.12	1.15	0.20	1.25	0.10	0.21	4.86
Palo Verde	.....	.....	T.	0.14	2.22	2.84	1.43	3.33	1.47	2.70	0.17	0.13	.....
Pasamonte	0.13	0.25	0.00	0.08	3.34	3.16	2.72	1.89	0.85	2.10	0.25	0.15	14.92
Pastura	0.54	0.70	T.	0.25	2.69	4.30	0.80	0.51	1.10	2.05	0.08	0.05	13.07
Pearl (near)	1.07	0.17	0.00	0.00	1.87	1.18	2.14	4.82	1.51	0.42	1.90	0.00	15.08
Pecos	.....	.....	.....	.....	1.30	2.85	0.97	3.95	.....	.....	.....	.....	.....
Pinon (near)	0.92	0.73	T.	T.	0.53	4.95	1.62	[1.47]	0.46	1.08	T.	[0.06]	11.81
Pinos Altos (near)	2.32	2.97	2.59	0.98	0.49	1.95	3.13	2.89	1.42	1.26	0.10	0.59	20.69
Plainview	2.05	0.08	T.	0.03	1.89	1.97	1.72	2.77	0.43	0.92	1.85	0.00	13.71
Pleasant Hill	0.65	0.10	0.43	T.	2.06	2.59	0.87	6.35	1.64	0.69	[0.68]	T.	16.06
Portales	0.54	0.44	0.08	0.08	3.69	2.25	1.72	2.46	0.23	0.28	0.24	T.	12.01
Quemado	.....	0.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raton (near)	T.	0.43	0.37	1.36	1.96	2.80	1.46	1.99	1.30	3.14	0.27	0.66	15.74
Red River Canyon	0.33	0.80	2.53	2.42	2.50	1.59	2.96	4.55	1.73	1.48	0.43	1.10	22.42
Redrock	2.11	1.81	1.14	0.20	0.10	1.37	4.31	[1.85]	0.00	0.84	0.20	0.20	14.13
Regina	0.50	2.66	1.58	1.55	1.92	1.43	2.36	1.47	.....	.....	.....	.....	.....
Richland	0.39	T.	0.16	0.07	1.81	1.84	2.64	2.59	0.04	0.57	0.28	0.05	10.44
Rio Grande Industrial School	.....	.....	.....	.....	.....	.....	.....	1.93	0.59	1.03	0.09	0.06	.....
Rociada	0.71	0.60	0.24	1.08	2.55	1.73	2.81	6.11	1.06	2.11	0.12	0.29	19.41
Rodeo	1.52	0.55	1.85	0.13	0.00	0.27	T.	1.52	2.03	[0.92]	0.01	0.00	8.80
Rosedale	1.95	0.20	0.30	1.10	0.81	1.54	2.67	1.71	1.43	3.29	T.	T.	15.00
Roswell (Weather Bureau)	1.38	0.66	0.12	T.	1.74	2.19	0.81	2.07	2.57	0.89	0.15	T.	12.58
Roswell (No. 2)	1.43	0.68	0.13	T.	1.71	2.03	0.89	2.10	2.65	0.97	0.13	T.	12.72
Roy	0.20	0.12	T.	T.	2.60	2.70	1.21	2.72	1.21	2.48	T.	T.	13.24
St. Vrain	1.74	0.21	0.32	0.09	2.55	3.35	1.61	6.14	1.32	0.85	0.46	0.18	18.82
San Antone Ranger Station	0.61	.....	.....	.....	1.06	0.95	1.54	1.64	0.42	1.10	0.05	0.96	.....
San Fidel	.....	.....	.....	.....	0.85	0.70	1.35	2.45	1.62	0.58	T.	.....	.....
San Jon	0.86	0.07	0.02	0.07	2.12	3.76	1.05	2.86	1.36	1.13	0.54	0.29	14.13
San Marcial	0.35	0.41	0.13	[0.30]	0.11	0.50	0.80	1.50	0.48	[0.99]	0.00	0.04	5.61
Santa Fe	0.31	1.12	0.57	0.73	2.28	2.04	1.04	1.98	0.77	1.42	0.14	0.84	13.24
Santa Rosa	0.16	0.30	T.	0.24	2.03	2.34	0.60	0.45	0.60	2.37	T.	T.	9.09
Schuster Springs Ranger Station	1.41	0.20	.....	0.95	.....	.....	.....	.....	.....	1.31	0.70	.....	.....
Senorito (near)	1.87	2.60	2.18	1.75	2.56	1.35	2.37	1.43	[1.47]	2.54	0.45	1.53	22.10
Servilleta (near)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.10	0.02	0.02	.....
Silver City	1.56	1.80	2.09	0.72	0.38	1.83	0.81	3.17	1.10	1.16	0.25	0.15	15.02
Skeleton Canyon Ranger Station	.....	1.15	0.00	3.25	0.00	1.15	0.70	.....	.....	.....	.....	.....	.....
Socorro	0.45	0.60	0.35	0.48	1.00	1.11	0.60	1.99	0.94	0.99	0.00	0.10	8.61
Soham	0.25	1.16	.....	.....	2.04	2.97	0.84	2.85	0.71	1.28	0.01	.....	.....
Solano	0.12	0.18	0.00	0.10	2.36	3.29	2.75	3.80	1.67	2.53	0.10	0.21	17.11
Springer	0.13	0.36	0.19	0.29	3.07	2.22	0.48	2.49	0.55	2.04	0.08	T.	11.90
Stanley	0.35	1.00	0.10	0.45	0.95	1.93	1.97	2.68	[0.20]	1.32	[0.18]	0.25	11.38
Tajique (near)	2.82	0.87	.....	3.37	2.43	2.08	0.96	2.31	0.76	3.02	0.10	0.54	.....
Taos	0.25	1.44	0.73	0.62	2.00	1.26	1.67	1.81	0.92	1.70	0.22	0.66	13.28
Taos Canyon	0.14	2.37	1.78	1.56	2.58	1.95	1.37	4.63	1.26	1.01	0.28	1.80	20.73
Tatum	.....	.....	.....	.....	.....	.....	2.40	5.92	0.71	0.66	0.50	T.	.....
Taylor	0.17	0.36	0.11	0.23	4.14	3.32	0.09	3.48	0.95	2.08	0.02	0.06	15.01
Texico (near)	1.65	0.39	0.19	0.20	2.03	2.39	0.83	5.04	1.19	0.35	0.28	0.12	14.66
Three Rivers	0.87	0.67	0.43	0.00	0.31	1.28	1.83	0.40	0.90	1.04	0.00	T.	7.73
Tijeras Canyon Ranger Station	1.51	0.98	0.62	0.63	1.20	0.16	0.34	2.07	0.41	2.01	1.08	1.08	12.09
Toadlena	.....	2.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tohatchi	1.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Torrance	0.88	0.40	0.37	0.69	1.87	2.69	1.27	1.97	1.08	1.35	0.04	0.15	12.76
Trementina	[0.71]	0.31	0.88	0.12	3.90	2.63	0.65	2.74	1.50	1.22	1.52	0.05	16.23
Tres Piedras	0.52	1.43	0.84	1.25	2.24	1.99	1.85	3.27	0.69	1.96	0.20	0.72	16.96
Truchas	0.53	1.03	0.91	1.02	1.45	1.87	2.08	4.41	2.01	1.43	0.27	1.34	18.35
Trujillo	1.20	.....	.....	0.35	2.75	2.19	2.08	3.33	3.04	.....	.....	0.19	.....
Tucumcari (No. 1)	0.76	0.15	0.34	0.20	2.55	3.91	1.52	2.12	1.44	3.50	0.49	0.10	17.08
Tucumcari (No. 2)	0.52	0.15	0.25	0.21	2.08	3.29	0.59	3.05	2.36	3.31	0.82	0.10	16.73
Tularosa	0.88	0.38	0.55	0.00	0.47	3.23	0.70	0.68	0.55	0.90	0.00	T.	8.34
Turney's Ranch	0.69	0.42	0.35	0.03	0.97	1.53	1.50	3.28	0.89	2.16	0.20	0.00	12.02
Tyrone	3.16	1.18	1.60	0.25	0.14	0.76	1.30	3.30	2.30	1.35	0.18	0.08	15.60
Vallecitos (near)	0.30	1.54	1.19	1.06	2.95	.....	.....	.....	.....	.....	.....	0.46	.....
Valmora	0.60	1.60	0.32	0.25	2.70	3.12	3.09	3.86	2.50	1.73	T.	0.10	19.87
Vance	0.08	0.30	0.00	0.24	1.88	2.13	2.30	2.14	0.92	1.91	0.10	0.10	12.10
Vaughn	0.68	0.65	0.40	0.24	3.53	4.10	1.77	1.52	0.99	2.30	0.16	0.14	16.48
Vermejo Park	0.14	0.54	0.22	.....	.....	.....	2.63	3.05	1.36	.....	.....	0.61	.....
Virsylvia	0.13	0.90	1.12	1.41	2.69	1.30	1.50	1.79	1.40	1.82	0.45	0.57	15.08
Weed Ranger Station	1.05	1.06	0.49	0.16	0.80	7.26	3.61	3.58	1.79	3.54	0.16	0.06	23.56
White Oaks	.....	.....	.....	.....	0.37	3.40	2.71	2.22	0.82	3.05	T.	0.11	.....
White Tail	.....	0.54	1.01	0.62	1.97	5.88	2.19	4.14	0.66	.....	.....	0.50	.....
Willard	0.35	0.58	0.03	1.21	1.26	1.50	1.57	3.20	.....	.....	.....	.....	.....
Winsor's Ranch	0.57	1.60	1.27	2.12	2.68	2.39	1.44	5.61	1.33	2.44	0.28	1.13	22.86
New York.													
Adams Center	3.50	5.30	3.54	4.23	0.30	2.92	5.10	4.18	3.46	1.67	5.41	8.32	47.93
Addison	1.87	0.71	1.31	2.59	2.56	2.52	4.76	3.84	4.22	0.69	2.66	1.43	29.16
Albany	1.73	3.36	2.72	3.90	0.73	5.21	4.85	2.71	5.24	1.53	4.44	4.12	40.54
Alfred	2.10	0.82	1.49	2.50	1.34	3.84	8.11	3.29	3.65	1.44	2.70	2.08	33.36
Amsterdam	3.06	3.30	3.55	4.09	2.81	4.61	3.80	5.22	5.78	2.74	4.28	4.03	47.27
Angelica	2.51	1.66	1.94	2.77	1.18	3.53	5.40	2.44	3.20	1.02	3.24	1.14	30.03
Appleton	1.03	1.06	1.33	2.33	0.16	0.96	3.55	0.91	1.62	2.35	3.17	2.08	20.55
Auburn	1.85	2.34	2.32	3.85	0.77	1.58	5.93	3.99	5.43	1.57	4.01	2.57	36.21
Avon	1.09	1.13	0.69	2.19	0.83	2.62	4.36	2.74	3.40	1.52	2.89	1.39	24.85
Bainbridge	2.41	3.86	2.60	3.51	1.95	5.05	6.13	3.57	.....	.....	.....	.....	.....
Ballston Lake	1.99	3.02	3.69	4.44	1.72	3.87	3.64	3.58	5.70	3.22	5.30	4.65	44.82
Bedford Hills	2.60	3.51	3.61	4.02	3.35	.....	6.13	3.52	5.62	3.15	3.89	4.67	.....
Binghamton	1.77	1.69	2.72	2.43	1.51	3.86	6.30	3.72	6.04	1.45	3.24	2.72	37.45
Bolivar	4.10	2.35	3.43	2.43	0.95	3.50	5.35	3.74	3.90	1.40	2.95	4.41	38.51
Boyds Corners	2.61	4.89	3.45	5.45	2.81	5.86	6.74	4.97	9.19	1.21	4.02	5.72	56.92
Brockport	3.25	1.43	1.40	2.69	1.28	1.85	3.64	1.38	2.26	1.99	4.49	3.74	29.40
Buffalo	2.58	2.35	1.57	2.33	1.10	3.11	4.50	1.77	2.03	1.77	4.30	3.36	30.77
Canton	1.69	2.21	2.26	3.45	1.41	2.69	4.98	1.94	5.11	1.68	4.45	5.41	37.28
Cape Vincent	1.84	2.45	1.89	2.52	.....	2.70	3.27	3.16	3.44	1.98	3.96	3.90	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New York—Continued.													
Carmel	2.47	4.43	3.13	5.40	2.89	5.45	6.88	4.66	7.83	1.28	3.85	4.92	53.19
Cazenovia	2.78	3.52	4.10	4.76	0.84	2.72	4.14	4.24	6.06	3.24	4.41	4.48	45.29
Chatham	2.66	4.11	4.41	4.68	1.78	5.03	4.31	2.87	4.21	2.85	4.18	3.14	44.23
Chazy	1.70	1.70	1.00	1.79	1.40	2.83	5.38	1.39	3.22	1.86	1.90	2.45	26.82
Cooperstown	.....	3.64	3.38	3.79	0.97	4.34	5.00	5.97	7.30	1.24	4.49	3.68	.....
Corinth	1.74	2.95	3.01	.....	.....	.....	.....	.....	.....	.....	.....	5.22	.....
Cortland	2.14	1.14	1.76	3.66	1.66	3.08	4.19	5.27	4.00	1.38	3.68	2.92	34.88
Cutchogue	3.48	5.48	4.40	4.74	2.85	7.62	4.27	3.63	2.04	1.68	5.29	5.46	50.94
Dannemora	2.54	7.01	.....	3.92	1.34	3.76	6.37	2.42	3.04	2.84	5.65	6.65	.....
Dansville	1.13	0.66	0.61	1.61	1.55	2.12	5.57	2.50	3.37	0.89	2.28	0.91	23.20
De Ruyter	2.40	2.75	3.48	3.82	1.62	3.03	4.76	2.28	5.63	1.54	4.24	4.05	39.60
Dolgeville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.26	4.76	.....
Elmira	1.75	0.92	1.84	1.93	1.87	2.85	5.64	1.66	4.24	0.57	2.89	1.97	28.13
Farmingdale	.....	.....	.....	.....	.....	7.11	2.65	3.15	3.55	1.21	4.23	7.39	.....
Fayetteville	1.37	.....	2.72	.....	.....	.....	3.56	3.35	.....	.....	2.45	.....	.....
Fish's Eddy	2.13	1.78	0.95	1.24	1.06	.....	.....	.....	.....	.....	.....	.....	.....
Flushing	2.80	5.23	3.81	4.94	2.27	6.41	5.15	4.60	4.05	1.47	4.21	6.25	51.19
Fredonia	3.42	2.40	1.94	3.57	1.49	3.79	4.02	3.12	2.20	3.92	3.82	5.31	39.00
Gabriels	1.73	2.40	3.69	4.65	1.64	2.75	7.57	2.01	5.91	2.25	2.81	2.70	40.11
Geneva	3.10	2.40	2.33	2.64	0.75	3.25	5.04	5.27	3.98	1.48	4.29	2.71	37.24
Glens Falls (No. 1)	1.81	2.71	3.01	6.28	0.79	2.58	4.09	2.62	4.16	3.13	4.98	5.98	42.14
Glens Falls (No. 2)	1.30	3.29	3.45	6.45	0.87	2.66	2.96	3.45	2.72	3.16	5.03	4.94	40.28
Gloversville	2.95	.....	2.85	3.27	1.64	1.52	4.71	4.12	4.19	1.72	3.39	2.58	.....
Greenfield Center	2.00	4.10	1.36	4.70	1.27	2.68	3.73	2.73	4.14	1.67	3.79	6.20	38.37
Harkness	1.41	1.71	2.72	4.12	1.49	2.06	4.45	3.22	6.48	1.87	3.28	4.24	37.05
Haskinville	2.38	2.09	1.41	1.87	1.25	2.88	4.97	1.60	3.73	1.25	1.97	1.95	27.35
Hemlock	1.04	0.65	0.85	2.83	1.30	2.13	5.60	4.48	3.49	1.29	3.15	1.79	28.69
Hoffmeister	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.11	7.53	.....
Homestead Sanatorium	2.15	2.91	3.89	4.99	2.26	3.67	5.78	3.54	5.41	1.18	4.35	5.82	45.95
Hoosick Falls	1.68	4.90	3.33	4.72	3.27	3.07	3.89	2.31	3.01	3.25	4.49	.....	.....
Hudson	.....	.....	.....	.....	.....	.....	.....	.....	4.67	0.92	2.40	4.96	.....
Hunt	1.44	0.89	1.05	2.37	.....	.....	.....	.....	.....	.....	.....	.....	.....
Indian Lake	1.80	1.97	3.23	5.00	1.68	2.04	5.48	4.63	3.13	1.77	6.65	6.50	43.88
Ithaca	1.82	1.87	2.56	3.42	1.03	1.83	5.74	3.70	4.60	0.92	4.05	2.29	33.83
Jeffersonville	2.38	3.53	2.90	2.48	1.74	5.19	8.08	8.69	6.51	2.10	4.52	4.31	52.43
Lake Placid Club	2.23	2.76	2.85	4.72	1.38	1.10	5.35	3.53	2.68	2.79	3.92	4.81	38.12
Lauterbrunnen	1.61	0.85	0.26	1.86	2.19	2.57	6.05	1.46	3.94	1.13	2.88	1.35	26.15
Little Falls (No. 1)	1.86	1.82	1.21	5.10	2.61	2.99	4.07	2.67	5.46	1.14	3.52	3.16	35.61
Little Falls (No. 2)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.29	5.56	.....
Lockport	1.35	0.93	1.45	2.13	0.60	2.19	3.79	2.41	3.49	2.53	4.09	2.08	27.04
Lowville	2.51	3.44	2.71	3.70	0.39	2.61	4.59	2.51	2.68	2.55	5.71	6.16	39.56
Mechanicsville	1.20	2.80	2.23	4.66	1.05	3.73	2.86	3.97	4.25	4.46	3.94	2.79	37.94
Medford	1.46	2.98	5.50	6.50	4.01	7.59	3.76	3.49	4.58	2.31	5.45	7.75	55.38
Mohonk Lake	3.78	5.70	3.94	4.28	1.87	5.48	4.12	5.03	5.25	3.19	3.96	5.21	51.81
Moira	4.10	2.90	0.75	4.02	1.29	2.88	4.19	1.98	3.56	1.04	3.23	3.94	33.88
Morrisville	1.90	3.92	0.80	2.69	0.50	2.40	4.76	2.51	6.91	1.69	2.26	1.60	31.94
Mount Hope	2.29	4.44	3.70	5.27	3.55	6.78	5.89	9.10	6.46	1.82	4.49	.....	.....
Mount McGregor	2.05	3.94	.....	3.42	2.82	3.38	3.79	3.08	4.30	2.70	3.94	5.30	.....
Mount Vernon	3.07	5.56	4.86	5.09	3.92	5.53	5.65	8.17	8.15	1.13	4.56	5.77	61.46
New Berlin	1.22	.....	.....	3.87	1.43	1.87	3.37	8.13	2.81	2.38	2.75	5.19	.....
New Lisbon	1.84	3.62	2.82	3.38	1.68	5.26	6.00	4.45	6.08	1.76	4.15	4.32	45.36
New York City	2.23	6.56	4.16	4.44	2.88	6.19	4.78	4.91	3.24	0.77	3.56	5.09	48.81
Newark Valley	1.80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Lake	2.95	3.66	5.00	5.88	0.61	2.71	7.00	3.06	4.05	2.78	6.66	7.06	51.42
North Rose	2.87	2.03	1.54	2.72	0.29	1.53	4.38	1.92	5.72	2.84	4.73	2.26	32.83
Northville	1.93	2.81	3.07	.....	.....	.....	.....	.....	.....	.....	.....	5.68	.....
Norwich	2.27	2.92	3.27	3.70	1.32	3.78	3.93	4.74	4.03	3.90	4.13	4.04	42.03
Ogdensburg	2.45	2.03	1.18	3.18	0.67	1.70	3.05	2.05	3.14	3.13	2.61	4.25	29.44
Olean	2.80	1.32	2.01	3.22	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oneonta	1.89	4.29	2.82	3.07	0.57	5.83	4.40	6.77	7.12	1.66	3.04	3.61	45.07
Oswego	1.84	1.21	2.44	2.56	0.18	1.52	4.50	1.95	4.31	1.61	5.69	4.50	32.31
Palermo	4.22	2.86	3.69	3.83	0.10	1.25	5.76	1.50	4.11	2.19	5.12	7.46	42.09
Penn Yan	1.64	1.22	1.13	1.76	.....	.....	.....	.....	.....	.....	.....	.....	.....
Perrysburg	1.64	1.86	2.49	4.56	1.29	5.27	4.58	2.73	2.75	1.21	2.14	5.14	35.66
Philadelphia	1.63	1.72	3.50	4.05	0.25	2.21	5.05	5.41	4.67	.....	6.53	5.48	.....
Port Jervis (No. 1)	2.81	4.22	4.43	5.24	2.36	5.67	9.46	4.45	7.17	2.71	4.37	3.92	56.81
Port Jervis (No. 2)	2.58	3.11	3.20	4.88	2.39	4.99	8.97	4.22	5.85	3.58	4.30	3.25	51.32
Raquette Lake	3.73	4.14	5.11	4.67	2.77	2.29	5.31	5.27	2.77	2.22	5.11	6.29	49.68
Rhinebeck	2.00	3.26	2.97	4.80	1.88	6.24	3.31	5.07	6.53	1.51	4.03	4.93	46.53
Rochester	3.24	1.82	2.16	2.55	0.78	1.15	2.93	1.51	3.30	1.24	4.06	2.95	27.69
Romulus	2.45	2.60	1.36	2.88	0.99	3.01	.....	.....	.....	1.66	2.79	1.46	.....
Roslyn	2.13	4.99	3.59	4.88	3.17	7.73	5.43	5.78	5.85	1.11	4.49	7.55	56.70
Roxbury	2.59	3.76	4.87	3.59	3.28	3.75	4.51	5.96	4.87	3.08	4.92	3.90	49.08
Salisbury	2.94	1.50	2.97	4.86	0.96	3.52	3.50	9.10	5.05	1.58	5.38	5.24	46.60
Scarsdale	2.07	3.30	1.85	5.40	4.76	6.77	7.60	6.65	8.09	2.30	4.48	5.45	58.72
Setauket	3.26	6.65	4.23	4.91	3.75	6.34	4.55	4.40	4.57	1.83	4.95	6.33	55.77
Sharon Springs (No. 1)	2.28	3.49	2.47	3.94	1.38	5.04	4.25	3.34	6.10	1.56	3.71	3.63	41.29
Sharon Springs (No. 2)	2.10	2.37	2.57	4.23	2.52	5.15	4.20	2.90	5.19	1.74	5.20	4.05	42.22
Sherburne	2.19	2.82	3.73	3.13	1.01	4.20	3.31	5.27	5.54	3.03	2.86	4.38	41.97
Shortsville	1.44	1.18	0.45	2.56	1.40	1.64	3.49	3.51	4.12	1.65	3.39	2.60	27.37
Silver Bay	.....	.....	.....	.....	1.19	5.97	.....	.....	7.02	2.01	5.27	4.62	.....
Skaneateles	3.33	3.46	2.86	3.68	0.43	2.77	6.91	2.64	4.75	2.59	5.16	3.04	41.57
Southeast Reservoir	2.72	4.70	3.62	4.82	2.76	5.39	6.31	2.72	7.11	1.23	3.61	4.53	49.52
Spier Falls	1.68	4.14	7.47	5.19	0.88	2.66	3.27	2.89	4.20	3.26	4.54	5.50	45.68
Syracuse	3.66	1.90	2.72	3.19	0.19	1.54	3.82	2.58	6.62	0.68	4.24	3.38	34.52
Townsend	1.36	1.49	1.70	2.66	1.16	2.62	5.32	2.89	5.27	.....	3.83	2.83	.....
Trenton Falls	2.23	2.46	3.50	5.92	0.84	3.03	4.94	3.27	2.39	2.56	5.73	5.79	42.66
Tribes Hill	2.25	3.05	3.60	5.17	1.90	4.65	4.40	3.02	3.84	3.13	4.08	4.08	43.17
Troy	1.34	2.74	2.76	4.00	1.74	3.36	3.76	3.35	5.80	0.97	4.40	3.20	37.42
Utica (No. 1)	3.22	2.40	3.19	.....	.....	.....	.....	.....	.....	.....	.....	3.16	.....
Utica (No. 2)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.91	2.96	.....
Volusia	2.22	1.67	1.56	3.20	1.46	3.45	4.37	4.20	2.65	5.56	.....	.....	.....
Walton	2.37	2.56	2.03	2.25	2.04	3.99	7.72	5.94	6.51	2.91	4.08	3.39	45.79
Wanakena	1.99	2.24	3.02	3.32	1.82	1.46	7.35	2.11	5.11	1.85	4.73	4.45	40.96
Wappingers Falls	2.84	4.77	3.80	3.73	2.77	5.32	4.00	2.67	6.32	3.39	4.00	4.30	47.91
Warwick	2.52	3.81	6.08	4.16	4.42	3.15	5.75	6.43	6.10	4.39	3.70	4.32	50.69

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New York—Continued.													
Watertown	2.17	2.25	3.58	3.51	0.13	2.45	6.00	2.15	3.47	1.43	6.33	6.96	40.43
West Berne	2.10	3.15	2.38	3.67	1.84	6.41	3.17	3.07	4.70	2.87	2.82	2.67	38.85
West Point	1.42	2.43	4.20	.....	1.63	.....	3.30	.....	2.73	3.73	3.47	5.39	.....
Westfield	2.06	.....	2.25	5.45	1.61	.....	.....	.....	.....	.....	.....	.....	.....
York	1.47	1.06	1.00	2.16	1.22	2.66	4.12	1.44	3.64	1.28	3.38	1.38	24.81
North Carolina.													
Albemarle	4.39	4.08	4.94	5.39	1.06	4.51	5.60	6.04	4.50	0.77	4.75	4.17	50.20
Altapass	.....	3.62	5.88	6.21	2.52	.....	.....	5.68	.....	2.00	.....	6.80	.....
Andrews	7.66	3.28	8.10	.....	5.50	4.45	8.12	9.88	4.65	1.00	4.40	.....	.....
Asheville	1.90	1.95	5.65	5.43	2.06	2.42	3.75	7.09	4.20	0.47	3.15	4.97	43.04
Banners Elk	1.65	3.60	7.35	6.00	2.76	2.63	4.75	8.78	4.98	0.60	2.70	4.90	50.70
Beaufort	1.01	7.07	4.47	5.61	1.00	3.10	10.41	5.31	2.87	1.54	3.32	6.15	51.86
Belhaven	2.20	5.50	4.60	.....	1.10	3.05	5.95	5.00	8.55	2.90	4.55	5.85	.....
Brevard	5.53	4.43	6.39	9.23	3.03	.....	9.15	9.80	4.20	1.24	4.36	7.78	.....
Brewers	2.40	2.67	6.71	5.00	2.27	7.04	6.79	14.99	4.18	0.53	6.03	5.78	65.39
Bryson City	6.61	3.32	9.66	7.83	4.12	4.16	4.55	8.59	2.56	0.55	4.35	6.34	62.64
Caroleen	4.63	3.36	8.14	7.00	2.33	4.84	4.79	11.87	6.15	0.32	6.19	5.75	65.37
Chapel Hill	3.42	4.74	3.81	6.87	2.12	6.29	6.08	.....	.....	1.68	5.70	4.13	.....
Charlotte	3.81	3.54	7.11	5.40	1.33	3.56	4.11	8.91	3.53	0.10	4.95	4.47	50.82
Chimney Rock	.....	4.80	5.19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cullowhee	5.82	2.08	8.04	7.35	4.00	3.81	3.54	9.15	4.97	0.45	3.13	5.93	58.27
Durham	2.78	2.92	3.11	4.97	2.04	5.00	5.82	9.09	3.46	0.80	3.80	4.30	48.09
Eagletown	3.87	6.80	6.40	6.40	1.43	4.15	8.75	3.07	2.98	0.45	5.27	7.60	57.17
Edenton	2.20	5.85	.....	7.40	0.16	4.54	.....	6.25	3.35	0.35	4.50	7.45	.....
Elizabeth City	2.20	7.95	4.01	3.55	1.08	3.98	8.64	6.45	2.10	1.25	4.40	6.82	52.43
Elizabethtown	1.34	5.11	4.82	5.61	0.68	3.52	6.43	7.70	8.19	0.93	3.71	6.44	54.48
Elkin	2.01	3.23	5.56	5.48	2.05	4.91	3.14	5.69	5.10	0.20	6.19	5.96	49.52
Ellijay	4.20	3.56	7.78	7.86	4.61	4.82	4.64	12.51	3.88	0.65	3.96	7.38	65.85
Enfield	3.05	5.24	5.25	5.63	1.10	4.47	6.77	4.69	3.49	1.16	3.36	5.42	49.63
Fayetteville	2.74	3.86	3.97	6.59	0.84	6.79	9.17	7.67	4.09	0.67	6.33	5.56	58.28
Goldsboro	2.57	5.40	6.66	6.61	0.53	6.16	9.32	5.16	4.15	1.37	4.57	5.43	57.93
Gorge	2.30	4.25	6.19	7.36	3.33	8.56	5.64	18.36	5.05	0.71	5.23	6.55	73.53
Graham	3.92	4.04	4.76	6.39	2.31	4.35	6.54	6.24	2.84	1.09	5.55	6.88	54.91
Greensboro	3.63	2.93	6.30	4.47	2.77	5.52	5.17	5.70	3.18	0.53	5.75	6.25	52.20
Greenville	1.74	5.45	6.00	3.97	0.70	4.00	5.80	5.30	6.20	1.20	4.10	5.70	50.16
Hatteras	0.53	6.43	3.16	4.46	0.58	3.97	5.09	3.88	8.66	0.32	3.53	6.40	47.01
Henderson	3.14	2.93	2.62	3.98	2.28	6.61	3.88	4.95	3.25	1.26	7.05	5.50	47.45
Hendersonville	4.06	3.44	7.61	9.38	2.91	7.85	5.15	13.57	4.60	1.18	3.59	7.96	71.30
Hickory	4.19	4.12	6.64	8.29	2.70	5.60	5.62	9.99	8.02	0.16	6.43	6.84	68.60
Hiddenite	4.51	3.67	6.11	7.33	2.04	4.64	5.03	9.02	6.24	1.60	7.02	6.97	64.18
Highlands	9.79	4.07	10.87	13.73	4.39	5.47	7.57	15.46	4.94	3.20	5.93	13.01	98.43
Hot Springs	4.17	3.86	5.72	7.09	1.91	4.33	5.83	11.16	5.40	0.41	3.28	4.33	57.49
Jefferson	2.16	3.28	5.05	4.66	2.46	4.95	4.43	11.25	3.63	0.47	4.68	4.64	51.66
Lenoir	1.72	3.67	6.04	6.20	2.55	6.84	4.55	12.49	5.42	0.50	5.32	5.61	60.91
Lillington	2.84	2.98	3.46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lincolnton	4.20	3.40	6.86	7.51	2.59	1.82	4.17	7.43	9.47	0.23	7.04	5.61	60.33
Louisburg	1.87	4.64	4.27	4.54	1.25	4.14	9.11	6.32	2.65	2.50	5.88	4.08	51.25
Lumberton	1.66	5.14	4.46	4.78	1.22	4.51	4.31	6.16	11.23	0.84	4.86	4.25	53.42
Manteo	1.06	7.00	3.40	4.34	0.38	2.86	8.80	3.23	2.10	2.24	3.26	7.50	46.17
Marion	2.54	3.88	7.36	7.38	2.51	6.86	6.72	25.00	2.71	0.58	5.41	7.43	78.38
Marshall	2.73	2.65	5.42	5.44	1.61	3.13	2.05	6.40	3.94	0.38	2.74	4.60	41.09
Moncure	2.68	4.26	3.37	3.47	1.94	5.16	6.87	4.14	3.36	1.72	4.35	5.68	47.09
Monroe	3.79	4.56	4.79	3.73	1.37	3.89	4.20	9.51	2.67	0.53	4.05	4.21	47.3
Montreat	3.17	6.01	7.69	6.52	4.05	8.64	3.57	7.71	3.05	0.80	3.75	5.47	60.43
Morganton	3.16	5.20	6.00	6.32	2.06	9.97	6.61	11.43	3.93	0.19	5.62	6.49	66.98
Mount Airy	1.50	2.67	5.06	4.89	2.00	7.01	5.60	5.55	6.13	0.70	7.35	4.93	53.39
Mount Holly	3.46	3.11	5.98	4.28	1.67	2.07	6.91	12.52	4.74	0.38	5.33	4.77	55.22
Murphy	6.85	4.14	6.96	7.33	2.53	4.43	4.37	13.96	4.36	0.56	3.85	8.07	67.41
Nashville	3.17	5.58	4.81	4.68	0.81	4.06	6.37	3.00	3.63	1.06	5.21	5.42	47.82
Newbern	1.48	5.95	4.12	7.70	0.68	6.84	10.94	8.80	7.57	4.30	3.85	7.64	69.87
New Holland	1.46	8.77	4.79	7.14	0.70	3.87	9.06	4.57	4.79	2.21	3.32	8.70	59.38
Neuse	3.19	5.41	2.69	3.90	2.27	5.90	6.53	6.00	1.77	2.95	5.95	5.23	51.79
Oxford	.....	.....	.....	.....	3.37	5.37	6.15	7.83	3.41	0.80	5.96	4.21	.....
Parker	3.37	3.60	5.30	3.85	2.39	6.77	4.38	6.64	5.42	0.30	4.47	4.54	51.05
Pinehurst	1.54	4.48	.....	.....	0.48	5.25	7.53	5.92	4.64	1.00	.....	3.58	.....
Raleigh (Weather Bureau)	3.28	5.49	3.52	3.40	1.03	4.83	6.00	3.80	2.69	2.29	6.72	4.35	47.40
Raleigh (No. 2)	2.14	4.75	3.47	3.32	1.13	4.82	9.17	3.76	3.32	2.93	5.98	5.18	49.97
Randleman	4.28	3.68	5.09	5.93	1.68	3.56	5.15	5.60	3.51	0.74	4.13	6.65	50.00
Red Springs	1.78	3.63	5.29	4.91	0.47	7.08	5.35	7.85	5.53	0.06	3.45	5.25	50.65
Reidsville	3.24	4.02	4.39	4.74	2.32	5.10	3.34	7.97	2.11	0.57	6.07	5.75	49.82
Rock House (No. 1)	9.55	3.18	11.37	11.38	3.25	7.48	12.00	17.14	3.42	1.99	5.74	9.89	96.39
Rock House (No. 2)	9.47	2.89	10.59	11.96	2.26	7.66	10.32	12.32	3.27	2.31	3.53	9.76	86.34
Rockingham	3.19	4.53	4.29	3.37	0.93	6.01	4.26	5.70	4.42	1.06	3.09	4.08	44.93
Rocky Mount (No. 1)	3.06	6.16	5.02	4.40	0.68	4.16	4.32	7.36	3.89	1.28	4.74	5.89	50.96
Rocky Mount (No. 2)	2.06	5.77	5.83	4.39	0.50	6.08	7.09	3.96	3.68	0.52	4.64	6.33	50.85
Rougemont	2.90	3.80	3.70	5.30	2.45	4.55	5.20	6.75	2.40	1.00	4.10	4.65	46.80
Salisbury	3.11	4.60	5.80	6.31	2.65	3.09	4.97	8.19	5.00	T.	6.07	5.43	55.22
Sanatorium	3.48	5.14	2.75	4.06	0.91	5.08	7.60	4.78	5.37	0.64	3.36	3.95	47.12
Scotland Neck	2.31	5.33	4.70	4.38	1.37	3.53	4.03	4.30	1.43	.....	3.64	7.51	.....
Settle	4.38	3.52	5.38	6.00	1.75	4.16	1.95	5.00	5.60	0.20	6.36	5.47	49.77
Siler City	3.63	3.73	.....	.....	.....	.....	.....	.....	.....	.....	4.60	5.43	.....
Sloan	1.27	6.50	.....	2.73	1.17	6.30	9.11	8.97	8.97	0.53	3.99	3.82	.....
Smithfield	3.20	6.22	4.20	4.07	0.34	5.99	9.98	4.31	3.46	0.92	4.97	5.14	52.80
Southern Pines	.....	5.16	6.26	2.75	1.17	3.17	12.14	3.23	3.61	.....	.....	4.55	.....
Southport	1.21	5.29	4.05	4.64	0.77	0.84	4.61	5.81	13.91	0.96	4.56	5.68	52.28
Statesville (No. 1)	1.32	3.31	3.64	5.12	2.55	4.18	5.27	10.34	5.41	0.00	5.43	5.43	52.00
Statesville (No. 2)	4.53	3.96	6.26	6.78	2.57	3.20	6.68	9.22	4.86	T.	6.34	5.77	60.26
Statesville (No. 3)	3.75	3.79	6.49	5.84	2.46	3.17	4.10	6.18	4.73	0.15	5.18	5.06	50.90
Statesville (No. 4)	4.22	3.46	6.14	5.62	2.24	3.55	5.42	8.51	4.31	0.25	5.57	5.20	54.58
Statesville (No. 5)	4.83	3.52	5.53	6.65	2.77	2.42	6.30	9.30	4.54	0.68	6.09	5.72	59.35
Tarboro	2.54	6.63	6.24	4.08	0.61	5.30	7.78	5.43	2.71	0.92	4.44	6.76	53.53
Tryon	5.63	4.16	8.38	10.11	3.71	7.74	5.67	9.25	6.38	0.77	4.70	6.99	73.49
Walstonburg	1.93	6.17	6.09	5.04	0.43	4.33	6.38	6.16	3.58	2.10	4.20	6.28	52.68
Waynesville	4.40	3.36	7.55	8.46	2.80	3.30	2.94	9.25	.....	0.52	3.52	6.75	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
North Carolina—Continued.													
Weldon	2.71	5.75	5.23	3.21	1.48	5.54	5.65	4.40	1.60	1.76	5.67	4.32	47.32
Wenona	2.45	7.06	4.40	3.98	1.24	4.19	8.04	10.04	5.01	1.26	4.49	6.03	58.17
Willard	0.70	5.73	3.71	6.79	0.53	5.21	6.97	.....	.....	.....	3.29	7.99	.....
Wilmington	1.10	3.62	4.11	4.69	1.22	3.96	7.23	5.23	11.09	0.48	3.31	4.08	50.12
Winston-Salem	3.98	3.34	.....	5.63	2.15	4.40	4.80	5.16	3.39	0.25	4.83	5.89	.....
North Dakota.													
Amenia	1.65	0.22	0.20	0.44	2.52	3.77	1.06	0.50	3.37	0.59	0.30	1.30	15.92
Amidon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.05	0.09	.....
Arnegard	1.60	0.62	1.05	0.95	1.20	3.41	2.19	1.08	1.21	1.24	0.24	0.35	15.14
Ashley	0.60	0.20	0.50	0.94	2.54	6.56	3.21	0.85	2.04	0.15	0.21	0.20	18.00
Beach	0.60	0.33	1.98	1.64	1.46	1.23	0.78	1.07	0.61	1.51	0.14	0.15	11.50
Berthold Agency	0.37	0.18	1.70	0.53	0.82	4.13	2.76	1.87	2.00	0.22	0.12	0.30	15.00
Bismarck	0.52	0.20	1.21	0.45	1.27	2.05	2.72	0.59	1.20	0.26	0.39	0.29	11.15
Bottineau	0.90	0.32	0.91	0.78	0.73	3.74	1.98	4.83	0.96	0.27	0.26	0.43	16.11
Bowbells	1.10	0.05	0.90	1.54	2.28	2.93	1.68	1.52	2.40	0.52	T.	0.32	15.24
Bowman	0.22	0.20	0.56	1.80	1.70	2.61	1.85	0.69	1.28	0.08	.....	0.36	.....
Cando	1.10	0.16	0.42	0.54	1.71	3.34	2.33	1.30	1.86	0.15	0.56	0.41	13.88
Carson	0.41	0.06	0.72	0.62	0.92	3.05	2.51	1.42	0.75	0.47	0.39	0.45	11.77
Colgate	0.70	0.20	0.02	0.80	2.39	3.94	1.15	1.07	2.96	0.24	.....	.....	.....
Cooperstown	1.00	T.	T.	0.85	2.15	4.05	2.95	1.40	3.45	0.00	0.75	0.40	17.00
Crosby	0.52	0.15	0.90	0.99	1.27	2.88	0.99	1.20	1.81	0.83	0.29	0.05	11.88
Devils Lake	0.74	0.12	0.35	0.54	1.24	4.69	2.51	2.21	5.34	0.23	0.76	0.30	19.03
Dickinson	0.79	0.05	0.18	0.89	1.39	4.32	2.76	2.35	1.77	1.11	0.10	0.10	15.81
Doonybrook	0.65	T.	1.45	0.57	0.93	4.83	2.30	1.92	0.47	0.46	T.	T.	13.58
Dunn Center	0.20	0.20	1.15	1.22	0.90	4.74	0.93	3.50	1.33	0.81	T.	0.05	15.03
Dunseith	0.60	0.20	0.06	0.82	0.56	4.05	0.84	1.11	1.02	0.17	0.25	0.20	9.88
Eckman	0.65	0.20	1.05	0.77	1.22	2.61	3.17	3.01	0.71	0.69	0.29	0.47	14.84
Edgeley	0.35	0.02	0.11	1.10	2.96	3.65	2.57	0.53	2.87	0.10	0.05	0.05	14.36
Ellendale	0.65	0.23	0.42	1.48	2.54	3.45	2.63	0.74	3.19	0.81	0.42	0.20	16.76
Energy	0.27	0.04	0.57	0.22	1.09	3.89	1.00	1.98	2.52	0.24	0.21	0.20	12.23
Epping	0.52	0.21	1.52	0.60	2.83	7.42	1.80	1.15	1.66	1.00	0.07	0.14	18.92
Fessenden	1.15	0.15	0.86	0.65	0.82	3.02	2.12	2.36	1.09	T.	0.75	0.55	13.52
Fryburg	0.48	0.40	1.16	0.74	1.46	2.40	1.27	2.20	0.87	1.09	0.16	0.08	12.31
Fullerton	1.17	0.07	0.62	1.46	3.45	3.81	4.89	1.43	4.81	0.97	0.57	0.53	23.78
Garrison	0.75	0.34	1.12	1.07	1.56	5.41	1.94	1.19	1.32	0.04	0.10	0.27	15.11
Grafton	0.85	0.77	0.83	0.38	1.87	2.72	2.08	1.63	4.15	0.47	0.49	0.26	16.50
Grand Forks	1.33	0.25	0.61	0.60	2.03	1.49	1.32	0.24	3.10	0.49	0.98	0.49	12.93
Granville	1.60	0.40	0.89	0.48	1.36	2.62	2.34	2.26	0.72	0.70	0.66	0.26	14.29
Hannah	1.90	0.80	0.91	0.36	0.86	3.71	1.63	1.00	2.97	0.47	0.60	1.50	16.71
Hansboro	2.10	0.39	0.80	0.54	0.67	5.76	1.29	2.06	2.11	0.55	0.36	0.57	17.20
Hettinger	0.00	0.05	0.25	2.39	2.19	3.57	3.23	1.04	0.64	0.66	0.11	0.06	14.19
Hillsboro	1.30	0.40	0.30	0.67	3.08	3.78	0.83	0.65	2.96	0.99	0.64	0.45	16.05
Howard	0.95	0.61	1.30	1.22	1.35	1.64	1.30	1.74	2.46	1.07	0.21	0.11	13.96
Jamestown	0.70	0.25	T.	0.80	2.11	3.57	3.20	1.56	3.74	T.	0.40	0.50	16.83
Lamoine	1.40	0.50	0.20	0.98	1.57	4.06	2.65	1.37	0.23	0.00	0.20	0.20	13.36
Langdon	2.10	0.30	0.80	0.42	1.40	1.30	0.85	1.29	2.70	0.27	1.10	0.07	12.60
Larimore	1.70	0.85	0.05	0.98	1.94	2.12	2.45	0.74	7.38	0.31	0.85	0.42	19.79
Linton	0.91	0.30	0.95	1.26	1.25	.....	3.30	2.10	2.17	0.09	0.26	0.11	.....
Lisbon	1.00	T.	0.10	0.87	2.20	4.89	4.32	1.82	4.35	0.62	0.49	0.11	20.77
McClusky	0.95	0.55	0.70	0.43	1.28	4.34	1.89	1.05	1.18	0.30	0.80	0.75	14.22
McHenry	1.35	1.50	0.55	1.56	2.68	2.76	2.86	2.09	2.55	.....	.....	.....	.....
McKinney	0.50	T.	0.80	0.35	0.80	3.31	2.20	1.93	0.80	T.	0.05	0.20	10.94
McLeod	0.60	0.34	0.32	0.77	3.07	4.49	2.24	1.76	5.23	1.22	0.58	0.34	20.96
Maddock	1.33	0.23	0.21	0.55	0.93	3.26	1.60	3.70	0.98	0.00	0.47	0.23	13.49
Mandan	0.31	0.09	1.08	0.58	1.72	1.63	2.68	1.80	1.30	0.25	0.37	0.13	11.94
Manfred	1.11	0.47	0.57	0.72	0.74	3.17	2.71	3.45	1.05	0.04	0.37	0.33	14.73
Marmarth	0.72	0.78	1.25	1.44	1.76	1.79	1.47	0.88	1.07	0.62	0.46	0.49	12.73
Mayville	0.80	0.50	0.52	0.25	3.11	2.76	1.30	0.54	3.65	0.38	0.33	0.60	14.74
Melville	0.70	0.05	0.50	0.50	3.74	4.04	1.96	1.45	1.57	T.	0.30	0.10	14.91
Minot	0.60	0.25	1.60	0.77	0.95	3.81	1.20	2.17	1.25	0.48	0.18	0.50	13.76
Minto	.....	.....	.....	.....	1.78	2.42	0.78	0.51	4.14	0.27	0.83	0.24	.....
Mott	0.85	0.74	1.49	2.06	1.72	4.09	2.45	1.62	1.72	0.70	0.28	0.50	18.22
Napoleon	0.40	0.10	0.90	0.69	1.56	3.73	4.41	0.89	1.48	0.06	0.05	0.10	14.37
New England	0.32	0.10	0.70	1.32	1.21	3.35	.....	.....	.....	.....	.....	.....	.....
New Salem	0.36	0.15	1.39	0.35	1.08	3.97	1.97	1.17	1.23	0.26	0.04	0.05	12.02
Orange	0.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Park River	0.65	.....	.....	.....	1.27	3.51	1.50	0.75	3.64	0.72	0.72	0.33	.....
Parshall	0.40	0.10	0.60	0.00	0.66	6.62	1.20	0.99	1.55	0.00	0.10	0.20	12.42
Pembina	2.70	1.70	1.64	0.10	2.38	0.50	1.60	0.14	4.14	0.30	1.04	0.41	16.65
Pettibone	1.50	0.20	0.52	0.64	3.13	4.95	3.82	2.93	1.21	0.02	0.20	0.35	19.47
Power	1.40	0.45	0.50	0.87	2.53	4.77	2.52	0.92	4.72	1.06	0.37	0.82	20.93
Powers Lake	1.25	0.35	1.30	0.70	1.02	1.80	0.86	1.37	2.00	0.38	0.10	0.10	11.23
Selfridge	0.17	T.	1.30	1.77	3.78	3.92	1.45	1.74	1.38	.....	.....	.....	.....
Skaar	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.75	0.15	0.13	.....
Steele	1.57	0.26	1.19	0.59	1.34	4.92	3.73	2.18	1.25	1.05	0.61	0.31	19.00
Taylor	0.21	0.14	1.20	1.09	1.21	2.31	2.95	1.54	1.98	0.54	0.07	0.03	13.27
Towner	0.75	0.35	1.20	0.30	0.83	2.04	1.59	3.12	0.66	0.03	0.30	0.30	11.47
Turtle Lake	0.75	0.33	1.17	1.02	0.98	2.99	2.23	1.06	1.74	0.34	0.45	0.60	13.69
Valley City	2.30	0.35	0.10	0.56	3.78	4.53	1.73	0.28	3.27	0.23	0.20	0.19	17.51
Wahpeton	1.20	0.20	0.95	0.94	2.71	6.60	1.98	0.90	3.89	0.56	0.67	0.55	21.15
Walhalla	1.40	0.70	0.95	0.32	1.97	1.64	1.92	1.32	3.35	0.27	1.00	.....	.....
Washburn	0.23	0.16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Westhope	2.97	T.	0.06	0.47	1.22	3.11	3.25	3.19	0.74	0.63	0.16	0.24	16.04
Williston	0.92	0.13	2.18	0.86	2.03	3.50	0.96	0.81	0.60	0.92	0.09	0.13	13.13
Willow City	1.40	0.50	0.73	0.64	1.22	3.93	1.78	2.31	0.46	0.20	0.65	0.70	14.52
Zap	0.50	T.	0.30	0.59	0.95	4.29	3.59	.....	.....	.....	.....	.....	.....
Ohio.													
Akron	2.07	.....	1.59	5.13	1.56	8.09	2.99	6.12	1.29	2.43	1.99	1.28	.....
Amesville	4.50	2.02	3.65	4.78	2.76	5.10	3.99	5.60	3.95	1.60	1.97	1.70	41.02
Ashland	1.55	0.60	1.94	6.42	1.59	7.13	3.50	4.65	1.06	1.53	2.63	2.61	35.21
Bangorville	1.82	0.97	2.36	6.24	2.51	6.47	4.71	6.61	2.32	1.35	2.81	3.02	42.29
Batavia	4.05	1.59	3.81	6.81	4.04	2.88	5.28	7.45	3.13	1.95	1.60	1.01	43.30

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Ohio—Continued.													
Bellefontaine	2.07	0.35	2.72	9.06	2.90	4.89	4.58	4.55	2.31	2.45	3.99	2.23	42.10
Bellpoint	2.08	0.44	2.37	5.52	1.96	2.55	3.22	6.58	1.30	1.72	3.04	1.73	32.51
Benton Ridge	1.96	0.26	3.03	4.81	2.06	4.53	5.14	2.30	2.52	2.68	3.31	3.17	35.77
Beverly	3.69	1.70	2.57	5.02	2.98	4.91	6.30	1.77	2.85	1.74	1.56	1.94	37.03
Bowling Green	1.26	0.15	2.08	3.77	1.37	5.43	3.02	2.99	3.53	2.27	1.74	2.48	30.09
Brilliant	3.41	1.50	2.32	5.24	1.26	7.15	4.89	4.35	2.48	2.38	2.38	3.19	40.55
Bucyrus	2.45	0.30	3.25	6.30	2.03	5.66	4.10	4.20	2.30	1.96	5.06	3.49	41.10
Cadiz	3.39	1.90	2.71	3.29	1.45	7.82	3.19	1.60	3.75	1.29	2.88	2.62	35.89
Cambridge	3.51	1.52	2.42	5.28	2.12	4.38	6.48	3.22	2.72	1.56	1.65	2.27	37.13
Canfield	1.62	0.90	1.56	5.87	0.89	6.75	3.02	3.69	1.87	1.48	2.62	1.49	31.76
Canton	2.37	0.69	1.80	5.00	1.94	8.38	4.61	5.19	2.04	1.92	2.50	2.01	38.45
Catawba Island	2.01	0.32	1.09	5.03	1.75	3.86	2.53	2.15	2.19	1.79	2.82	1.24	26.78
Chillicothe	3.85	1.49	3.45	5.42	3.63	4.09	4.11	4.65	4.07	1.54	2.17	1.42	39.89
Chilo	4.77	1.14	4.54	6.59	3.69	3.30	4.22	4.64	3.69	2.40	1.62	1.52	42.12
Cincinnati	3.48	1.30	4.20	5.78	4.36	2.68	3.19	6.10	2.98	1.76	2.92	1.38	40.13
Circleville	3.67	2.56	3.55	7.10	3.64	3.44	6.51	9.99	5.05	2.08	3.99	1.61	53.19
Clarington	4.10	2.73	2.99	5.34	2.21	7.21	6.13	3.31	4.72	1.85	2.21	2.59	45.39
Cleveland (Weather Bureau)	1.96	1.12	1.49	5.01	1.12	5.28	3.32	2.33	1.85	2.57	2.25	1.64	29.94
Cleveland (St. Ignatius)	1.82	0.77	1.67	5.25	1.15	.....	.....	3.05	1.90	2.18	2.57	1.82	.....
Columbus	2.64	1.12	3.32	4.51	2.00	3.79	5.18	4.09	2.29	1.61	3.45	1.60	35.60
Coshocton	2.36	1.19	2.25	6.62	1.13	4.19	7.54	7.76	2.12	1.51	1.83	2.48	40.98
Dam No. 28, Ohio River	5.26	2.00	3.43	5.93	2.01	3.81	4.43	3.28	2.85	1.29	2.31	2.00	38.60
Danbury	0.81	0.40	1.70	5.39	1.32	5.12	1.45	1.70	2.73	2.79	2.97	1.84	28.22
Dayton (Weather Bureau)	1.80	1.13	2.78	5.28	2.71	3.75	3.76	2.64	2.62	1.61	3.46	1.54	33.08
Dayton (Boyer)	2.74	1.14	3.47	6.13	3.35	4.74	3.16	3.90	2.89	1.57	3.94	1.97	39.00
Delaware	1.99	0.63	2.22	4.71	2.38	3.03	2.88	4.65	1.24	1.44	2.33	1.68	29.18
Demos	2.85	1.87	2.88	5.52	2.50	3.70	6.63	5.52	3.44	2.15	2.45	2.34	41.85
Dennison	2.76	1.42	2.30	5.28	1.11	6.26	4.65	4.35	2.70	1.74	2.31	2.82	37.70
Dover	1.19	0.61	1.85	6.61	2.63	4.29	4.54	5.36	1.63	1.75	1.80	2.45	34.71
Dublin	.....	.....	3.01	5.63	2.40	2.34	4.37	7.17	0.70	1.29	2.28	1.21	.....
Eaton	1.35	1.20	4.16	6.26	2.03	2.42	5.09	5.08	3.49	1.71	2.95	.....	.....
Fernbank	3.76	1.32	4.40	4.86	4.00	1.91	3.90	2.63	3.73	1.44	2.31	1.37	35.63
Findlay	1.44	T.	2.59	5.41	1.72	4.34	3.94	2.16	1.98	1.66	2.61	3.40	31.25
Frankfort	2.87	1.46	3.38	5.19	3.82	2.62	5.75	6.59	3.86	1.18	2.75	0.93	40.40
Fremont	1.97	0.21	2.42	6.34	2.10	8.25	3.06	3.17	2.33	2.46	2.96	2.26	37.53
Gallipolis	4.13	2.11	3.46	5.06	3.04	4.21	5.87	1.96	2.25	1.29	2.08	1.91	37.37
Gambier	2.39	0.54	.....	.....	0.88	.....	.....	.....	.....	.....	.....	.....	.....
Geneva	1.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Germantown	1.44	1.81	3.48	7.57	2.95	5.43	3.47	3.15	3.01	1.38	3.19	2.05	38.93
Granville	2.55	1.50	2.86	6.49	2.11	2.90	5.30	6.67	2.64	1.62	1.85	1.82	38.31
Green	5.60	2.58	5.27	7.68	3.82	3.24	8.85	5.60	2.09	2.97	2.15	1.76	51.61
Greenfield	3.79	1.57	3.92	6.81	3.91	3.09	6.26	6.90	4.07	1.72	1.53	1.43	45.00
Green Hill	2.10	1.25	1.77	4.46	1.20	7.03	3.60	3.23	1.06	1.47	1.93	2.15	31.25
Greenville	2.88	0.76	3.08	4.82	2.87	4.32	5.37	3.46	1.73	2.19	4.70	.....	.....
Hamilton	2.68	1.17	3.68	4.23	4.01	2.44	3.76	6.62	4.48	1.24	2.67	2.28	39.26
Haydenville	3.77	2.07	.....	6.14	2.39	3.28	5.04	4.45	3.35	1.47	.....	2.45	.....
Hillhouse	1.74	1.22	1.97	4.61	1.09	4.74	3.44	2.05	2.76	3.54	2.97	3.41	33.54
Hillsboro	2.36	.....	4.15	8.15	4.48	2.17	2.37	5.63	2.25	0.92	1.83	1.53	.....
Hiram	2.73	0.98	1.33	5.33	1.72	5.76	3.88	3.69	1.12	2.06	3.16	2.63	34.39
Hudson	1.69	0.80	1.14	5.14	2.17	5.57	2.91	5.25	3.05	1.80	3.25	1.27	34.04
Ironton	4.98	1.86	3.41	5.02	1.71	3.37	6.39	3.49	1.44	0.89	2.60	1.74	36.90
Jackson	4.68	2.22	3.84	7.73	2.93	4.94	5.64	3.74	2.99	1.93	2.12	.....	.....
Kenton	1.26	0.30	2.15	7.46	1.95	3.55	4.56	3.53	2.24	3.18	3.93	2.27	36.38
Kings Mills	3.15	1.36	3.77	6.69	5.05	3.25	3.94	5.49	3.72	1.95	2.69	2.45	43.51
Kinsman	1.76	0.77	1.61	3.92	1.90	6.33	5.35	4.83	2.19	2.32	3.32	2.72	37.02
Lakeview	1.09	.....	2.11	6.53	1.93	3.86	4.58	3.08	2.68	2.96	4.95	2.02	.....
Lancaster	3.12	1.35	3.06	6.85	3.79	5.13	5.92	5.85	3.68	1.33	2.17	2.20	44.45
Larue	2.90	0.51	2.33	8.25	2.80	3.68	4.27	3.23	2.48	1.98	3.57	2.23	38.23
Lima	2.27	0.08	2.40	5.16	1.86	2.81	4.94	2.54	1.86	1.34	2.58	2.46	30.30
London	1.03	.....	3.52	6.30	2.60	4.35	6.08	4.88	2.99	1.95	3.30	2.25	.....
McArthur	.....	.....	.....	.....	.....	.....	4.60	3.41	3.77	0.75	2.21	1.76	.....
McConnelsville	3.87	2.38	2.80	6.00	4.21	6.60	5.81	2.03	2.40	1.28	2.24	1.85	41.47
Madison	.....	.....	1.38	4.23	1.02	3.51	4.47	2.54	1.72	2.59	3.33	2.31	.....
Marietta (No. 1)	4.04	2.16	3.42	6.33	2.73	5.21	5.65	3.32	2.65	1.71	2.13	1.48	40.83
Marietta (No. 2)	3.81	2.24	3.30	5.32	3.69	4.82	5.93	3.62	2.74	1.96	2.53	2.39	42.35
Marietta Experiment Farm	3.92	2.12	2.80	5.14	1.94	5.48	6.50	2.02	2.54	1.97	1.85	1.75	38.03
Marion	2.32	0.57	2.73	7.56	2.37	4.05	4.11	5.32	4.10	1.46	4.03	1.75	40.37
Marysville	2.00	0.28	2.33	7.25	2.85	4.03	5.55	6.94	2.32	2.07	3.62	1.98	41.22
Medina	2.79	0.54	1.45	6.40	2.09	7.36	2.65	4.99	0.99	3.08	3.33	1.55	37.22
Middleport	.....	.....	.....	.....	.....	.....	.....	3.86	2.43	1.46	2.31	.....	.....
Milfordton	2.00	0.68	1.72	6.56	1.91	4.40	3.90	4.93	2.07	.....	.....	.....	.....
Millersburg	1.69	1.06	2.32	6.18	1.60	6.21	5.89	3.49	2.09	1.37	2.12	2.01	36.06
Milligan	.....	2.43	2.77	3.59	.....	.....	.....	4.26	.....	.....	.....	.....	.....
Millport	2.00	1.49	2.10	3.83	1.37	7.54	3.75	2.88	1.84	1.71	2.00	2.30	32.81
Milton Dam	2.09	0.69	1.60	5.40	1.88	5.60	3.64	5.19	1.49	1.42	2.90	1.84	33.74
Montpelier	1.78	0.30	2.84	6.59	2.74	3.44	3.29	4.90	2.30	2.52	3.09	4.75	38.54
Mount Healthy	2.90	1.68	4.15	5.80	4.96	2.87	4.52	4.49	4.92	1.48	3.19	1.99	42.95
Mount Vernon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.48	2.06	.....
Mulberry	4.59	1.92	4.65	6.87	4.80	2.87	4.01	4.98	3.68	2.13	3.25	2.01	45.76
Napoleon	1.06	0.10	2.15	4.42	3.06	5.94	3.37	7.46	2.30	2.74	2.76	3.51	38.87
New Bremen	1.94	0.37	1.91	6.63	2.14	2.89	3.82	2.64	2.55	1.59	3.48	1.72	31.68
New Carlisle	2.22	0.79	2.71	6.87	2.24	6.27	3.63	6.91	3.13	2.08	3.75	2.05	42.65
North Bass Island	.....	.....	.....	4.52	0.66	4.12	3.34	2.43	0.98	1.60	.....	.....	.....
North Royalton	1.60	1.50	0.59	5.14	1.71	5.18	.....	4.43	.....	2.95	4.53	1.28	.....
Norwalk	1.70	0.43	1.22	4.02	1.63	4.27	1.91	3.46	1.22	2.42	2.00	2.26	26.64
Oberlin	2.14	0.51	1.75	5.18	1.13	4.64	1.25	2.93	2.22	3.07	3.15	1.84	29.81
Ohio State University	2.86	0.77	3.51	4.61	2.20	3.29	5.84	3.96	2.44	1.55	3.49	1.60	36.12
Ottawa	2.29	0.12	1.97	4.99	1.26	3.42	3.95	2.25	3.54	4.35	3.14	3.19	34.47
Oxford	2.39	1.11	4.31	8.18	3.88	2.86	3.68	3.57	2.94	1.41	3.68	2.37	40.38
Pataskala	3.06	1.34	3.25	6.49	2.45	4.75	6.55	7.10	2.09	1.24	3.08	2.53	43.93
Paulding	1.29	0.18	2.11	4.80	1.79	3.10	4.45	2.00	1.90	3.06	3.35	3.35	31.44
Peebles	5.13	1.92	4.52	7.16	4.47	2.96	6.29	5.25	4.31	2.03	2.26	2.22	48.54
Philo (No. 1)	3.14	1.14	1.50	3.83	2.72	4.53	4.28	4.05	2.83	1.40	1.64	1.81	32.87
Philo (No. 2)	3.68	1.55	2.51	5.03	2.97	3.89	6.46	4.08	2.41	1.26	1.76	2.13	37.73
Piqua	1.32	0.73	2.60	6.50	2.76	3.10	6.59	4.43	1.79	3.10	5.29	3.61	41.31

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Ohio—Continued.													
Portsmouth (No. 1)	5.27	1.89	4.20	6.12	3.25	2.92	5.78	2.58	2.56	2.25	1.83	1.62	40.27
Portsmouth (No. 2)	5.38	1.89	3.88	6.40	4.14	3.44	5.50	2.55	2.83	2.21	2.05	1.77	42.05
Prospect	.....	0.30	1.81	7.29	2.74	3.37	5.68	6.33	1.19	1.70	4.05	3.06	.....
Put-in-Bay	1.39	0.07	1.64	5.36	1.38	3.36	3.97	3.16	1.53	2.03	2.30	1.32	27.42
Saint Paris	2.58	0.99	3.04	5.71	2.79	4.39	5.68	4.39	2.77	2.64	4.94	3.12	43.04
Sandusky	1.32	0.27	1.38	4.77	1.85	4.63	2.01	1.71	2.82	3.30	2.24	1.77	28.07
Sidney	2.55	0.60	2.13	7.31	2.86	4.14	4.60	3.21	2.40	3.35	5.26	2.81	41.22
Springfield (No. 1)	3.60	0.63	2.67	7.22	3.82	5.57	2.37	6.41	3.13	1.95	3.12	1.37	40.86
Springfield (No. 2)	2.10	0.85	2.98	6.27	2.79	.....	3.37	6.54	2.60	1.65	.....	2.16	.....
Summerfield	3.31	1.49	2.91	5.04	2.37	5.74	7.95	3.90	2.73	1.95	2.08	2.69	42.16
Tadmor	1.83	1.16	1.95	.....	2.61	.....	.....	.....	.....	.....	.....	.....	.....
Tiffin	2.35	0.28	2.59	6.02	1.77	5.89	3.44	2.94	1.97	2.62	3.33	2.69	35.8
Tiltonville	3.06	1.41	1.99	4.06	0.89	4.73	4.20	3.67	2.54	1.20	1.72	1.54	31.01
Toboso	1.87	.....	3.47	6.39	2.33	3.81	5.61	6.13	1.87	1.32	2.26	2.55	.....
Toledo	1.61	0.21	1.97	5.14	1.59	4.78	4.46	5.85	2.23	2.39	2.69	2.86	35.78
Upper Sandusky	2.48	0.42	2.75	5.87	0.65	4.76	5.07	4.46	2.24	3.02	4.62	2.83	39.17
Urbana	1.72	0.77	3.25	7.33	3.09	5.05	.....	6.72	2.81	2.19	3.87	2.57	.....
Valley Crossing	2.65	0.99	3.68	6.07	2.55	3.36	5.67	4.30	2.57	1.42	3.61	1.85	38.12
Versailles	2.86	0.28	3.38	6.69	2.41	2.16	3.78	2.95	2.28	2.38	5.25	2.65	37.07
Vickery	1.77	0.22	2.34	5.87	1.19	5.71	2.65	1.37	2.51	2.73	2.59	1.80	30.75
Walhonding	1.22	0.25	2.88	4.07	1.84	3.91	3.81	4.92	2.61	1.52	.....	.....	.....
Wapakoneta	1.51	0.35	1.88	5.63	1.73	3.81	4.04	3.71	2.59	1.36	3.26	2.16	32.03
Warren	2.39	.....	.....	5.50	1.53	6.22	2.10	3.21	1.56	1.44	2.87	2.54	.....
Washington Courthouse	4.01	1.57	3.35	7.05	3.74	4.64	5.54	5.94	4.99	1.67	.....	1.70	.....
Wauseon	0.70	0.23	3.06	4.03	3.02	3.96	5.54	4.83	2.81	2.08	2.88	2.91	36.05
Waverly	4.10	2.06	3.88	5.71	4.11	4.37	6.79	6.04	3.24	1.62	2.15	1.73	45.80
Waynesville	3.27	1.16	3.46	7.56	4.00	4.35	4.36	4.11	3.61	1.93	3.40	1.93	43.14
West Manchester	1.50	0.96	3.47	7.25	2.75	2.75	4.92	7.28	1.45	3.20	2.75	3.40	41.74
West Milton	1.84	0.74	2.41	5.45	3.10	3.19	5.82	3.44	2.08	2.60	1.90	2.44	35.01
Wickliffe	2.25	1.12	1.37	5.21	1.02	3.68	3.34	3.93	1.64	3.32	3.27	1.61	31.76
Williamsfield	1.93	0.68	1.64	4.18	1.29	4.80	3.62	2.90	2.20	2.82	3.34	2.09	31.49
Wilmington	2.31	0.87	4.85	8.19	3.67	3.50	3.65	5.80	4.30	2.65	3.10	2.49	45.38
Wooster (No. 1)	2.47	0.91	2.08	5.67	1.59	8.26	3.67	7.25	2.12	1.30	2.45	1.93	39.70
Wooster (No. 2)	2.30	0.59	2.57	5.31	1.76	8.65	3.51	7.61	2.01	1.18	2.56	1.61	39.66
Xenia	.....	1.13	2.87	7.03	3.44	5.25	4.09	6.42	2.68	2.11	3.04	1.29	.....
Youngstown	2.73	1.03	1.34	4.50	2.38	5.92	1.26	4.23	0.96	1.23	1.43	1.19	28.20
Zanesville	3.47	1.35	3.02	4.91	2.58	3.27	6.39	5.30	1.91	1.37	1.47	1.49	36.53
Oklahoma.													
Ada	2.19	0.27	1.61	3.55	4.56	3.65	1.61	3.36	7.12	4.88	0.95	1.90	35.65
Altus	1.78	1.18	1.85	1.62	5.00	1.81	3.66	8.47	3.12	3.04	2.35	0.70	34.58
Alva	0.84	0.50	0.81	0.74	3.75	2.24	2.38	4.67	11.20	2.53	2.44	1.90	34.00
Antlers	4.04	1.65	2.75	4.66	.....	3.62	4.20	3.34	4.11	8.91	.....	3.25	.....
Apache	1.91	0.32	2.54	2.57	5.95	0.66	2.42	5.46	2.38	6.36	2.71	1.13	34.41
Arapaho	1.46	0.40	3.21	1.23	7.18	1.41	2.58	7.72	3.21	3.29	3.53	1.76	36.98
Ardmore	3.29	0.68	1.31	2.64	5.98	3.40	1.20	5.37	4.78	5.87	1.58	1.90	38.00
Arnett	0.60	T.	0.75	0.83	2.84	1.01	2.49	3.62	.....	.....	.....	.....	.....
Bartlesville	1.33	0.05	6.10	3.43	6.60	4.96	3.66	7.51	1.24	5.72	1.41	0.32	42.33
Beaver	0.87	0.05	0.25	1.16	2.80	1.31	3.28	1.69	2.11	6.28	1.00	0.93	21.73
Billings	1.32	0.67	4.00	2.03	2.45	5.31	3.44	8.18	6.00	4.47	2.95	3.34	44.16
Blackwell	1.10	0.10	3.17	1.27	3.98	4.46	2.89	9.37	2.82	5.94	1.38	1.57	38.05
Bristow	.....	0.04	3.99	3.21	5.72	1.46	8.00	2.75	2.58	6.28	1.30	2.08	.....
Broken Arrow	2.87	0.16	4.34	3.82	6.76	1.62	2.61	4.20	3.06	6.13	1.10	1.67	38.34
Broken Bow	5.64	2.42	7.30	5.87	9.83	2.88	6.30	2.70	3.90	7.13	2.00	4.00	59.97
Buffalo	0.70	T.	1.00	.....	2.62	1.72	3.27	3.11	2.46	3.93	1.65	1.75	.....
Calvin	0.83	0.50	1.90	.....	.....	2.80	2.30	1.73	2.08	10.05	1.03	1.90	.....
Camargo	.....	.....	0.90	0.75	3.35	1.50	2.78	5.65	6.65	1.77	.....	.....	.....
Canton	1.70	T.	3.35	0.81	2.67	3.27	3.19	4.60	3.87	2.67	3.21	2.33	31.67
Carnegie	1.61	0.31	1.95	1.04	6.12	2.24	1.39	4.53	2.62	5.39	1.52	0.95	29.67
Chandler	1.35	0.55	3.62	4.02	6.55	2.45	3.52	2.61	1.88	8.21	1.02	2.20	37.98
Chattanooga	1.60	0.58	2.86	2.95	5.36	1.29	4.29	7.21	4.09	7.94	1.87	0.67	40.71
Cherokee	.....	.....	.....	0.82	2.93	3.76	3.66	6.41	7.37	1.89	1.87	2.04	.....
Chickasha	.....	.....	.....	3.65	4.56	1.57	1.60	3.48	2.20	7.09	1.19	0.98	.....
Claremore	1.76	0.57	4.56	3.27	7.97	1.57	2.45	9.27	2.63	8.33	1.48	2.17	46.03
Cleveland	1.29	0.22	4.87	2.91	3.94	2.75	3.08	4.80	2.72	5.79	2.36	2.85	37.58
Cloud Chief	1.51	0.47	1.75	2.07	7.06	1.01	5.99	6.20	4.06	2.95	2.01	1.20	36.28
Durant	3.48	0.72	2.62	3.09	5.98	4.66	0.60	3.61	3.06	6.72	1.77	1.35	37.66
Enid	0.80	1.00	2.10	1.50	.....	4.20	3.74	8.89	4.34	4.35	2.83	2.85	.....
Erick	1.06	0.01	1.31	0.88	4.52	2.52	3.54	7.48	3.32	1.79	2.08	0.85	29.36
Eufaula	2.09	.....	2.31	3.32	4.73	2.36	3.05	0.88	2.42	.....	.....	.....	.....
Fort Gibson	1.96	0.53	5.43	4.52	3.11	4.74	2.65	4.17	1.44	6.36	0.64	2.26	37.81
Fort Reno	0.62	0.03	1.52	2.66	6.20	1.10	4.02	1.95	1.89	4.60	2.78	1.63	29.00
Frederick	2.22	0.64	1.17	5.31	5.26	2.33	2.24	4.86	6.51	6.46	2.73	0.25	40.98
Geary	1.70	0.01	2.17	1.79	6.09	3.10	5.39	6.82	3.41	4.24	2.77	2.51	40.00
Goodwell	0.40	0.10	0.43	0.58	2.47	2.90	0.71	1.22	3.50	1.15	0.73	0.60	14.79
Guthrie	0.89	0.12	2.50	2.66	8.45	2.12	5.35	3.64	2.05	6.55	2.51	2.56	39.46
Hammon	1.25	0.39	3.24	1.33	4.75	1.92	3.31	7.05	5.48	3.71	2.78	1.60	36.81
Healdton	2.91	0.41	1.55	3.02	8.16	3.21	1.44	6.06	4.27	8.55	2.19	1.23	38.00
Hennessey	1.00	T.	.....	1.71	4.80	3.09	4.91	4.79	2.23	3.86	2.59	2.08	.....
Hobart	1.60	0.86	1.38	1.99	6.91	1.98	4.09	6.71	2.25	3.59	2.10	0.55	33.96
Holdenville	2.50	0.66	1.99	2.51	4.57	4.20	2.29	3.57	3.98	6.44	0.77	1.90	35.38
Hooker	0.50	T.	0.40	0.56	3.90	2.27	2.28	3.69	3.07	3.89	0.78	0.94	22.28
Hugo	6.20	0.92	5.41	4.33	17.66	4.39	0.91	3.49	2.05	6.98	1.09	2.68	56.11
Hurley	0.50	0.10	0.20	0.75	1.89	3.87	1.26	3.21	4.25	2.71	0.27	1.15	20.16
Jefferson	1.96	0.78	2.93	1.04	2.97	5.47	1.84	8.98	5.52	3.79	1.08	2.44	38.80
Kenton	0.35	0.45	0.24	1.01	3.02	2.35	1.36	4.40	1.73	1.92	0.18	0.44	17.45
Kingfisher	1.28	0.31	3.43	2.04	6.70	3.46	7.41	2.70	3.82	4.81	2.59	2.43	40.98
Lawton	1.80	0.50	1.77	3.88	7.50	0.70	2.11	3.91	2.36	9.32	2.37	0.94	37.16
Lawtonka Lake	2.47	T.	1.68	3.98	.....	.....	2.20	4.60	2.21	6.80	.....	0.09	.....
McAlester	3.02	0.63	2.70	3.17	3.76	5.51	2.15	2.43	2.21	5.27	0.85	3.79	35.49
Mangum	1.28	0.96	1.63	2.13	7.87	2.01	3.21	10.33	5.80	3.18	2.42	0.32	41.64
Marlow	1.94	1.19	1.26	4.14	5.31	2.01	0.87	4.50	3.10	7.08	2.41	0.90	34.71
Meeker	2.05	0.72	2.69	2.60	6.38	2.70	2.76	3.90	3.73	8.64	1.76	2.49	40.42
Miami	1.68	0.00	3.12	1.44	6.08	4.69	1.12	8.35	5.12	5.82	0.62	1.43	44.48
Minco	0.90	0.20	2.20	2.00	6.40	2.10	.....	.....	.....	.....	.....	.....	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oklahoma—Continued.													
Muskogee	2.21	0.43	5.77	3.79	4.20	3.70	3.53	3.96	1.67	6.22	0.79	2.23	38.50
Mutual	0.87	0.00	0.90	0.53	2.20	1.88	2.97	3.88	5.75	3.02	1.60	2.48	26.68
Newkirk	1.61	0.25	2.69	1.94	2.71	5.58	2.46	10.05	5.52	.....	.....	2.09	.....
Norman	1.27	0.18	2.32	3.31	4.57	1.36	4.16	3.07	1.60	6.70	1.36	1.45	31.35
Oakwood	1.37	0.05	3.18	1.11	4.05	1.39	5.66	4.85	4.24	2.53	3.55	2.47	34.45
Okay	1.79	0.42	4.26	4.40	5.22	3.26	4.10	5.15	1.53	5.50	1.20	1.82	38.65
Okeene	1.90	0.07	3.15	1.45	3.11	1.34	6.96	4.59	5.09	2.68	3.78	2.67	36.79
Okemah	2.05	0.35	2.85	2.94	3.20	2.56	5.04	1.48	4.84	7.27	0.44	1.84	34.86
Oklahoma City	2.09	0.19	4.20	2.11	8.66	2.08	4.02	4.86	3.60	7.38	2.04	1.37	42.60
Okmulgee	0.90	.....	.....	.....	.....	.....	3.80	3.71	2.94	6.09	0.70	1.57	.....
Pauls Valley	1.71	0.30	0.27	2.16	4.64	3.63	1.20	3.77	2.74	4.82	0.55	0.40	26.19
Pawhuska	1.53	0.27	5.24	2.71	5.52	3.89	3.24	5.48	2.65	5.39	1.44	2.56	39.92
Perry	0.84	0.03	.....	2.70	4.50	3.49	4.18	.....	3.80	.....	.....	4.02	.....
Poteau	5.89	1.20	5.22	4.71	2.96	2.07	4.92	0.52	1.42	3.17	0.74	2.87	35.69
Ravia	2.82	0.87	.....	2.58	7.43	4.39	1.72	2.05	5.41	6.00	1.63	2.16	.....
Reno Junction	.....	.....	2.18	2.82	5.40	1.89	.....	.....	3.11	.....	.....	.....	.....
Sallisaw	3.39	0.84	4.18	3.50	3.39	2.61	2.96	3.03	1.84	7.85	0.22	0.85	34.66
Shawnee	1.67	0.54	1.83	2.93	5.09	1.78	1.80	3.52	4.01	7.74	1.25	2.78	34.89
Snyder	.....	.....	.....	1.83	7.86	1.24	.....	.....	7.06	.....	.....	.....	.....
Stillwater	0.81	0.12	5.04	3.86	6.73	3.41	6.02	5.75	2.43	7.51	2.01	3.75	47.44
Sulphur	2.65	0.14	1.45	3.22	6.08	4.88	1.64	2.15	5.38	5.64	1.18	1.48	35.89
Tahlequah	2.74	0.46	5.38	4.43	3.49	3.12	1.85	7.87	1.53	6.38	1.28	2.70	41.23
Tamaha	3.43	0.60	3.17	3.22	2.00	2.14	2.86	2.84	1.53	7.46	0.15	2.70	32.10
Tulsa	2.11	0.28	4.36	5.20	8.31	1.57	2.58	3.25	5.70	7.86	1.79	2.42	45.43
Tuskahoma	5.11	0.65	3.82	4.50	4.13	2.06	2.68	2.65	2.57	6.27	1.52	3.37	39.33
Vinita	1.50	0.65	7.20	1.79	8.82	2.12	1.72	6.23	3.38	5.98	1.28	2.44	43.11
Waukomis	1.35	T.	.....	1.89	2.93	2.97	7.23	5.62	4.38	5.08	2.93	3.35	.....
Waurika	2.66	0.27	1.03	2.75	5.78	3.23	4.38	6.37	4.31	8.35	2.57	1.30	43.00
Weatherford	1.15	0.37	2.38	1.71	7.70	1.31	6.43	7.14	3.68	2.08	3.62	1.49	39.06
Webbers Falls	2.20	0.67	3.50	3.74	2.49	1.72	3.39	2.71	2.16	6.41	0.65	2.49	32.13
Wichita National Forest	1.83	0.66	1.45	2.17	6.49	1.55	3.19	9.18	3.06	6.99	2.83	1.20	40.60
Woodward	0.92	T.	0.82	1.12	4.19	1.31	5.44	2.62	6.34	2.88	0.62	2.04	28.30
Wyandotte	0.60	0.05	5.95	1.20	9.05	3.06	2.41	8.05	5.61	4.40	1.96	0.91	43.25
Oregon.													
Agness	4.24	1.22	8.30	6.38	0.22	2.78	0.16	1.43	6.20	8.82	13.59	11.60	64.94
Albany	3.06	0.15	4.61	2.97	0.81	2.22	0.66	1.33	5.02	4.48	5.53	7.75	38.59
Andrews	0.26	1.29	1.09	0.67	0.45	0.64	0.32	0.81	0.52	1.28	1.60	0.76	9.09
Anna Spring	3.23	0.70	7.75	7.74	0.43	4.38	1.66	0.85	6.86	6.32	7.39	.....	.....
Ashland	0.47	0.19	2.20	1.84	0.81	1.39	0.49	0.41	1.55	1.44	4.79	3.68	19.26
Astoria	8.19	0.65	8.39	7.66	2.01	2.76	0.90	1.76	8.55	12.80	8.58	18.65	80.90
Austin	0.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baker	0.16	0.04	1.66	0.98	1.27	0.70	0.32	1.42	0.53	1.14	0.53	1.21	9.96
Bear Creek	0.28	0.16	1.09	1.22	0.27	1.04	0.32	0.49	0.94	1.04	1.63	2.23	10.71
Bear Valley	0.69	0.10	1.77	2.13	0.89	1.53	2.25	2.02	2.19	0.98	1.48	3.32	19.35
Beech Creek	0.64	0.06	2.31	3.23	1.12	1.64	0.11	2.19	1.89	1.74	2.65	2.77	20.35
Bend	0.21	0.50	1.30	1.13	0.10	0.60	0.40	0.74	0.63	0.56	2.63	2.47	11.27
Big Eddy	2.06	T.	0.59	0.96	0.05	0.63	0.03	0.50	1.08	0.64	2.85	2.54	11.93
Blitzen	0.17	0.23	4.50	1.59	0.93	1.03	0.05	1.30	1.74	2.24	2.48	0.81	17.07
Brookings	6.65	2.51	8.49	6.64	0.20	7.62	0.35	1.48	6.41	7.67	9.69	18.06	75.77
Burns	0.55	0.16	0.91	1.16	0.36	0.39	0.61	0.85	0.33	0.56	2.68	2.10	10.66
Butte Falls	0.99	0.29	4.69	3.71	0.56	2.49	0.72	0.40	4.03	3.04	.....	6.99	.....
Cascade Locks	10.41	0.59	10.36	8.26	2.58	2.56	0.87	2.61	10.50	6.57	10.26	18.75	84.32
Cascadia	3.35	0.63	9.85	9.98	2.06	3.27	0.53	1.91	9.78	7.79	7.59	15.28	72.02
Cazadero	6.09	0.61	4.25	7.19	1.62	3.43	2.21	2.03	6.58	.....	7.27	10.29	.....
Chiloquin	0.38	0.26	1.71	1.57	0.58	1.09	0.95	T.	0.72	1.23	4.85	3.09	16.43
Condon	1.02	0.18	1.26	2.23	0.21	0.90	0.56	0.96	2.04	1.26	1.43	2.25	14.30
Coquille River Lighthouse	4.73	0.63	5.59	5.53	0.79	0.79	0.37	0.36	4.80	6.50	6.98	11.29	50.36
Cornucopia	5.01	0.45	7.70	7.11	3.10	1.91	0.25	1.27	3.26	5.45	9.79	10.63	55.93
Corvallis	1.99	0.12	5.21	2.81	0.51	1.85	0.41	0.79	5.40	4.69	5.36	7.98	37.12
Cottage Grove	3.26	0.37	5.67	4.28	0.42	2.77	0.38	1.07	5.38	4.97	7.77	12.19	49.53
Cove	2.10	0.22	3.07	3.79	2.00	1.57	0.34	2.64	2.59	3.70	2.14	3.13	27.29
Dayville	0.16	0.17	0.86	1.93	0.88	1.15	0.09	1.27	0.65	0.88	0.89	1.89	10.82
Deadwood	9.79	0.44	11.43	7.69	1.25	3.38	1.11	1.72	8.49	14.28	12.47	23.59	96.04
Detroit	7.21	0.26	8.79	7.96	0.56	1.16	0.84	1.27	5.97	3.33	6.20	14.23	57.78
Doraville	4.35	0.58	5.52	4.38	1.62	1.73	1.03	1.28	5.25	5.28	5.35	10.88	47.25
Drain	3.27	0.30	4.87	4.52	0.51	2.24	0.28	0.90	4.50	5.23	8.73	11.45	46.80
Drewsey	.....	.....	.....	.....	.....	0.57	0.40	0.93	0.65	1.06	1.70	2.69	.....
Dufur	1.42	T.	0.84	1.11	0.08	0.71	0.12	0.42	1.06	0.50	2.62	2.28	11.16
Echo	1.39	0.24	0.81	2.33	0.08	1.06	0.08	1.46	0.85	0.92	0.86	2.31	12.38
Eugene	2.14	0.10	4.09	3.52	0.63	3.15	0.52	0.86	4.27	5.24	7.15	9.00	36.67
Fergusons Ranch	1.10	0.08	0.91	2.62	0.24	1.24	0.07	2.01	1.05	1.37	0.88	2.01	13.58
Fish Lake	0.96	0.43	7.34	6.59	1.35	1.97	.....	1.43	6.19	4.48	.....	9.47	.....
Florence	5.54	0.96	7.64	6.38	1.28	3.82	0.79	0.94	6.09	8.97	7.89	16.29	66.49
Foothills Orchard	0.39	.....	1.39	1.42	1.00	.....	0.24	0.29	0.96	1.12	4.59	3.48	.....
Forest Grove	3.39	0.19	4.73	4.17	0.49	1.83	1.21	1.29	4.40	5.36	7.72	10.47	45.25
Fremont	0.13	0.50	1.18	0.95	T.	0.50	0.75	0.41	0.33	0.52	0.96	0.89	7.18
Glencoe	0.98	0.14	1.28	2.42	0.05	1.14	1.09	1.04	.....	.....	.....	.....	.....
Government Camp	4.63	1.07	11.18	9.89	2.52	2.50	2.55	2.79	13.11	8.86	10.74	16.11	85.95
Grants Pass	0.64	0.32	2.75	1.83	0.66	1.55	0.06	0.62	1.50	2.21	7.25	5.41	24.20
Gumboot	1.70	0.32	4.45	2.34	1.63	1.28	0.42	0.66	2.18	3.93	4.36	4.45	27.72
Harper	0.12	0.12	0.52	0.28	0.66	0.80	0.08	0.55	0.53	0.40	1.26	1.47	6.59
Hay Creek	.....	.....	0.18	0.20	0.10	1.10	0.40	0.02	.....	.....	.....	.....	.....
Headworks	7.92	0.51	8.85	12.38	2.11	4.57	2.36	2.28	8.35	8.37	7.84	13.41	78.95
Heppner	1.04	0.17	1.95	3.08	0.30	1.10	0.36	1.46	1.67	2.16	1.23	2.12	15.64
Hermiston	1.24	0.18	0.49	1.71	0.08	1.03	0.08	1.24	0.88	0.83	0.82	1.96	10.51
Hilgard	2.37	0.32	5.62	5.33	2.89	1.54	0.32	2.51	2.57	3.32	2.21	2.64	31.64
Hillcrest Orchard	0.58	0.41	1.60	1.03	1.05	1.82	0.57	0.84	1.55	1.62	4.67	3.72	19.46
Holloway Orchard	.....	.....	.....	.....	.....	1.47	0.30	0.30	1.10	1.35	4.20	3.54	.....
Hood River	2.60	0.37	3.39	3.02	0.68	1.02	0.53	1.56	3.24	1.77	5.15	9.09	32.42
Howardville	3.42	0.21	4.90	4.01	1.74	1.11	1.08	2.44	3.62	3.63	3.85	4.76	34.77
Ibex Mine	1.72	0.25	3.82	5.18	0.94	0.96	0.21	1.65	1.32	3.24	3.44	8.36	30.99
Jacksonville	0.68	0.36	2.51	1.54	0.78	1.72	0.31	0.44	0.91	1.78	6.41	6.16	23.60
Jewell	.....	.....	.....	4.41	2.48	1.92	0.99	2.26	10.86	10.79	10.53	18.02	.....
Joseph	1.59	0.61	2.57	2.05	2.34	2.31	0.36	0.55	2.00	2.60	1.01	2.14	20.14
Kingman	0.29	0.21	1.29	0.29	0.72	0.39	0.09	0.34	0.29	1.01	1.36	1.62	8.12

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oregon—Continued.													
Klamath Falls	0.28	0.10	1.18	1.61	0.33	0.65	0.65	0.01	0.17	1.02	3.64	2.58	12.22
La Grande	1.88	0.13	2.43	4.02	1.58	1.05	0.16	2.50	2.96	2.92	1.85	2.58	24.06
Lake Creek	0.53	0.00	3.19	1.50	2.24	1.12	1.30	0.18	3.22	4.06	4.66	4.83	26.83
Lakeview	0.42	0.34	1.83	0.97	0.76	1.06	0.17	0.95	0.37	1.14	3.56	2.42	13.99
Lapine	0.68	0.27	1.49	1.53	0.02	1.01	1.00	0.24	0.95	0.98	3.08	2.36	13.61
Lillygien	0.83	0.46	4.63	3.99	1.22	1.41	0.76	0.78	2.37	.....	.....	.....	.....
McKinley	5.74	0.35	7.74	7.23	1.12	2.23	0.55	1.09	7.49	8.58	9.37	17.86	69.35
McMinnville	4.68	0.02	4.28	3.52	0.90	1.71	1.10	1.12	4.13	4.98	6.07	7.74	40.25
Madras	0.32	0.04	0.58	0.63	0.03	0.74	.....	.....	.....	1.15	1.41	1.29	.....
Marshfield	5.79	0.57	8.77	7.54	0.62	3.00	0.50	0.63	5.79	10.14	9.40	15.66	68.41
Maury	1.05	0.35	0.92	1.58	0.34	0.72	T.	.....	.....	.....	.....	.....	.....
Medford	0.42	0.22	1.44	0.99	0.96	1.81	0.24	0.36	0.99	1.20	4.27	3.43	16.33
Merrill	0.35	T.	1.61	1.81	0.41	0.31	0.82	0.67	0.26	1.42	1.91	3.75	13.32
Mikkalo	0.75	0.30	0.69	0.88	0.12	1.36	0.14	0.46	1.31	0.56	1.12	1.83	9.52
Milton	1.03	0.01	0.78	3.40	0.66	0.95	0.10	1.44	1.11	1.47	2.01	2.19	15.15
Miramonte Farm	4.98	0.33	4.30	5.26	1.06	4.15	1.38	1.48	5.83	4.57	7.55	8.03	48.92
Modoc Orchard	0.78	0.30	2.01	1.46	0.47	1.58	0.25	0.41	1.27	1.43	6.28	5.53	21.77
Moro	0.67	0.25	0.66	1.19	.....	0.58	0.62	0.61	1.32	0.62	1.91	1.84	.....
Mount Angel	4.18	0.53	6.08	5.50	0.95	3.29	1.70	1.37	5.41	7.00	6.71	8.80	51.52
Newhalls Ranch	0.58	0.38	2.19	1.31	0.69	1.96	0.26	0.42	1.14	1.49	5.75	5.48	21.65
Newport	7.51	0.83	8.11	7.59	1.59	3.89	1.79	1.59	7.81	11.17	7.58	15.68	75.14
Oakridge	2.01	0.08	4.65	4.49	0.08	1.58	0.62	0.81	3.86	3.95	4.00	5.20	31.33
Ochoco	1.00	0.02	1.56	2.35	0.09	1.29	0.85	1.12	2.02	1.16	3.12	0.89	15.47
Olive Lake	.....	.....	.....	.....	.....	.....	0.55	2.03	3.85	3.73	4.04	7.78	.....
Ortley	3.01	0.12	1.28	1.71	0.27	0.54	0.35	0.95	1.45	0.87	2.32	2.81	15.68
Parkdale	5.19	0.57	3.86	3.61	0.57	1.03	0.42	1.21	3.12	2.16	5.69	9.43	36.86
Pendleton	1.17	0.23	1.55	2.56	0.32	1.23	0.40	1.96	2.39	1.47	1.34	2.64	17.26
Pilot Rock	0.91	0.10	1.60	2.49	0.44	1.83	0.58	1.75	1.64	1.53	0.82	1.79	15.48
Portland	4.84	0.16	3.94	4.75	0.91	2.11	1.18	1.25	4.16	3.71	5.84	8.32	41.17
Port Orford	6.73	1.04	7.42	6.44	0.76	5.30	0.52	0.95	7.41	8.06	8.72	16.20	69.55
Power House	2.16	0.15	2.17	5.17	1.61	.....	.....	.....	.....	1.46	2.02	2.62	.....
Prairie City	0.70	0.04	1.80	2.53	1.03	1.02	0.09	2.29	1.79	1.20	1.25	2.39	16.13
Prineville	0.19	0.10	0.59	0.93	0.05	0.92	0.29	.....	.....	.....	.....	.....	.....
Prospect	1.35	0.29	5.34	4.91	0.34	2.07	0.52	1.21	5.22	4.31	7.60	9.42	42.58
Reservoir No. 3	0.09	0.05	0.79	0.34	0.84	0.57	0.24	1.85	0.41	0.58	1.13	1.45	8.34
Richland	0.41	0.10	1.11	1.50	0.98	1.01	0.04	0.75	0.52	1.53	0.88	2.34	11.17
Riddle	0.48	1.31	2.29	1.72	0.17	0.98	0.65	0.15	2.99	4.22	5.97	6.55	27.48
Riverside	0.20	T.	0.70	0.68	0.30	0.68	0.57	0.40	0.28	0.40	1.25	2.31	7.77
Rock Creek	.....	.....	.....	1.73	1.07	0.84	0.05	1.69	1.76	1.71	1.20	2.43	.....
Roseburg	1.51	0.17	2.97	2.67	0.24	0.96	0.42	0.22	2.27	3.78	5.27	7.17	28.65
Round Grove	.....	.....	1.78	2.07	0.26	1.18	0.62	1.13	1.62	1.89	3.86	2.71	.....
Salem	2.98	0.34	4.24	3.37	0.25	2.69	0.55	0.95	4.45	5.91	6.76	8.29	40.78
Sams Valley	.....	.....	.....	1.85	0.22	1.40	0.27	0.28	1.87	2.46	8.59	6.91	.....
Silver Lake	0.11	0.90	2.96	0.91	0.11	0.69	0.36	0.06	0.07	0.81	1.29	1.25	8.62
Siskiyou	0.84	0.59	5.21	5.36	0.87	1.39	1.39	0.48	1.39	2.92	10.34	9.93	40.71
Sisters	1.18	0.64	2.48	0.97	0.53	0.45	0.83	0.65	0.68	0.68	3.30	.....	.....
Sparta	0.47	0.27	3.10	0.72	0.60	0.81	0.05	1.78	1.27	2.34	3.39	5.12	19.92
Starkey	0.77	0.10	2.33	3.32	1.67	1.90	0.79	2.23	1.77	1.75	1.28	1.81	19.72
Sunrise Valley	0.37	0.39	1.15	1.24	0.27	1.41	0.27	0.74	0.99	0.68	1.42	1.38	10.31
Talent	0.23	0.20	1.43	0.91	1.10	1.38	0.28	0.34	1.15	1.19	4.51	2.95	15.67
The Dalles	2.22	0.00	0.82	0.98	0.07	0.69	0.10	0.54	1.05	0.65	2.82	2.94	12.88
Tillamook	6.61	0.89	13.52	7.67	2.46	.....	.....	.....	.....	.....	.....	.....	.....
Toledo	7.49	.....	.....	.....	2.14	4.32	0.89	1.61	.....	.....	.....	.....	.....
Tule Lake	0.39	0.26	1.04	1.08	0.19	0.84	0.40	0.85	0.33	0.85	2.37	1.50	10.10
Umatilla	1.19	0.07	0.89	1.16	0.10	0.89	0.04	1.25	0.81	0.93	0.66	1.80	9.59
Union	0.66	0.09	1.44	3.06	1.29	0.96	0.30	2.06	1.36	1.86	0.68	1.00	14.76
Vale	.....	.....	.....	.....	0.85	0.07	0.06	.....	.....	1.10	1.74	1.49	.....
Valley Falls	0.22	0.30	1.76	1.12	1.07	0.68	0.32	1.50	0.55	1.26	2.46	1.85	13.09
Waldo	1.47	0.81	7.48	2.86	1.10	3.14	0.12	0.19	2.86	7.45	14.09	15.04	56.61
Wallace Orchard	3.06	0.32	4.45	3.06	0.87	2.10	0.76	0.69	4.46	5.99	6.10	7.40	39.26
Wallowa	2.26	0.11	1.17	1.60	1.29	1.51	0.09	1.44	2.14	2.39	1.44	1.55	16.99
Warmspring	0.30	0.05	0.46	0.53	0.03	0.78	0.65	0.12	0.75	0.27	1.49	1.38	6.81
Wasco	1.36	0.12	0.86	1.40	0.16	0.99	0.17	0.51	1.77	0.85	2.46	2.12	12.77
Welches	7.86	0.90	10.15	9.95	1.73	3.64	2.05	2.42	9.72	6.58	.....	17.91	.....
Weston	1.22	T.	2.87	4.18	1.03	1.35	0.23	2.50	1.92	2.46	2.79	3.58	24.13
Wolf Creek	1.50	0.46	5.29	2.95	0.23	1.84	0.21	0.46	2.58	4.79	10.10	12.24	42.65
Yonna	0.28	0.14	0.90	1.34	0.13	0.67	0.90	1.18	0.38	1.39	3.64	2.56	13.51
Pennsylvania.													
Allentown	2.45	3.59	.....	5.51	2.48	3.61	4.05	4.07	3.16	1.65	3.87	4.38	.....
Altoona	2.63	2.05	1.93	6.39	1.65	5.34	3.51	.....	5.02	1.07	4.11	2.81	.....
Ansonia	.....	1.98	1.85	3.11	1.47	3.09	5.24	2.27	2.69	2.12	2.68	2.16	.....
Arendtsville	2.19	4.21	2.54	5.62	2.31	3.18	3.48	7.02	5.50	0.50	4.20	4.43	45.28
Austin	2.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Beaver Dam	2.17	1.52	2.11	3.37	2.66	6.65	2.46	2.60	2.07	1.90	2.44	2.26	32.21
Beaver Falls	2.27	1.64	1.62	3.00	1.34	6.55	2.66	3.24	1.61	1.72	2.35	2.06	30.06
Bellefonte	2.14	3.34	3.30	4.23	1.69	6.50	3.11	5.52	4.13	1.02	4.71	2.33	42.02
Bethlehem	2.58	.....	1.06	4.53	2.35	2.84	5.63	3.46	3.59	2.05	3.48	4.32	.....
Bloserville	2.90	2.75	2.17	5.02	1.45	4.10	3.96	5.68	5.12	1.30	5.30	4.25	44.00
Bradford	2.95	1.46	2.51	4.43	1.46	4.98	3.06	4.18	3.60	1.55	3.31	2.70	36.10
Bradys Bend	1.19	1.39	2.78	4.88	2.50	6.51	6.36	2.93	2.84	2.26	2.93	2.78	40.15
Brookville	3.02	2.30	1.65	.....	1.54	5.97	3.59	3.02	4.53	1.55	3.31	2.91	.....
Browers Look	2.46	3.39	3.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bustleton	.....	.....	3.11	4.10	3.57	5.57	5.36	8.36	2.68	1.27	3.33	6.02	.....
Carlisle	2.51	5.00	3.24	4.81	2.17	2.48	4.11	6.87	3.43	0.66	5.06	4.51	44.85
Catawissa	2.50	3.00	3.44	4.11	1.77	4.96	4.35	5.60	4.51	1.77	4.56	3.90	44.47
Center Hall	1.24	1.78	2.97	4.17	1.64	.....	2.23	.....	.....	0.63	2.33	.....	.....
Clarion	2.00	1.84	2.58	4.87	2.55	6.37	3.48	3.23	3.27	2.13	4.23	2.65	39.80
Claysville	2.77	1.88	1.60	3.82	1.72	7.36	3.26	4.03	2.41	1.95	2.05	1.53	34.38
Clearfield	1.66	0.91	1.56	4.90	1.69	7.16	4.53	4.47	5.72	1.06	5.12	2.89	41.66
Coe	2.09	1.42	1.96	4.33	2.23	6.17	3.28	5.00	4.00	1.33	3.13	1.79	37.43
Coatesville	2.68	4.13	5.50	4.71	2.87	4.42	4.64	5.93	3.56	0.98	3.42	4.39	47.23
Colebrook	1.99	3.91	3.54	5.82	2.99	5.95	3.65	5.67	3.15	0.65	3.41	3.96	44.19
Confluence	2.79	3.49	2.30	4.76	2.93	6.65	4.39	4.53	2.94	1.97	3.19	3.10	43.04
Coraopolis	2.54	1.59	2.10	4.29	1.52	5.65	2.94	3.08	3.56	1.72	1.99	2.05	32.96
Corry	.....	.....	.....	.....	.....	.....	.....	.....	1.81	3.06	4.58	3.94	.....
Creekside	.....	0.77	2.10	0.67	3.57	1.27	2.28	2.56	.....	1.72	.....	2.28	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Pennsylvania—Continued.													
Cresson	3.43	4.69	2.75	5.77	1.79	6.39	3.55	5.19	5.02	1.17	4.65	2.71	47.11
Davis Island Dam	2.89	1.87	2.03	4.27	1.35	6.38	3.07	3.99	3.61	1.83	2.03	2.14	35.46
Derry	2.86	3.20	1.93	4.53	2.09	7.33	5.39	4.37	4.28	1.15	3.66	2.05	42.84
Doylestown	2.34	3.07	2.66	4.95	2.35	3.75	5.14	6.17	2.37	1.60	3.30	4.51	42.23
Driftwood	2.06	0.63	5.31	2.75	0.60	2.40	2.13	2.17	3.98	1.00	.....	2.31	.....
Ebensburg	2.72	2.60	2.25	5.22	2.50	7.23	3.06	4.72	4.92	1.33	4.00	2.09	42.64
Edinboro	2.02	1.74	1.77	4.04	0.96	5.57	7.93	2.27	1.96	3.67	4.33	4.45	40.71
Elk Lick	2.52	2.86	1.40	5.25	2.75	6.94	4.65	6.23	3.66	0.78	2.65	2.57	42.26
Emporium	2.92	0.70	3.69	3.47	1.54	4.31	3.83	4.39	5.16	1.23	3.52	2.65	37.41
Ephrata	.....	.....	.....	.....	.....	4.61	.....	.....	.....	.....	.....	.....	.....
Erie	1.73	1.13	1.33	3.09	1.04	3.94	3.84	2.35	1.75	4.67	3.72	2.12	30.71
Everett	0.75	.....	.....	.....	.....	.....	.....	.....	.....	0.84	3.90	1.85	.....
Falls Creek	2.78	1.23	2.21	4.20	2.27	5.89	3.48	3.56	5.52	1.30	3.67	1.96	38.07
Franklin	2.26	1.31	2.03	4.34	1.95	6.51	4.27	2.85	2.07	2.46	2.58	3.27	35.90
Freeport	2.76	2.06	2.54	4.42	2.28	5.63	3.74	2.76	4.08	2.37	3.08	2.18	37.90
Freeland	.....	3.52	9.70	11.34	2.68	5.70	6.14	4.69	6.02	3.16	4.96	5.17	.....
George School	5.35	3.26	3.58	3.20	3.05	3.47	3.66	7.54	3.57	1.75	3.52	5.22	47.17
Gettysburg	2.24	3.66	2.64	4.89	2.75	3.11	2.92	7.38	6.28	0.55	4.17	5.11	45.70
Girardville	1.98	2.68	3.15	3.77	1.71	3.69	5.68	4.03	4.97	1.76	4.03	5.10	42.95
Gordon	2.58	4.79	4.59	4.15	2.51	3.02	6.92	4.32	6.43	2.36	4.85	6.77	53.29
Gouldsboro	3.99	7.19	4.81	5.33	3.17	4.17	8.30	6.14	5.49	2.92	4.10	3.08	58.70
Graterford	2.51	2.35	3.40	5.76	3.01	3.68	5.40	4.13	1.23	0.76	3.02	3.41	38.56
Greensboro	1.73	2.28	2.45	3.89	2.32	6.58	4.40	4.02	3.14	0.98	2.84	2.17	36.80
Greensburg	3.34	2.97	1.66	4.69	1.86	6.95	3.56	4.06	4.67	1.60	3.24	2.37	40.97
Greenville	.....	.....	.....	.....	.....	.....	.....	.....	1.32	2.11	.....	4.37	.....
Grove City	2.16	1.81	1.37	3.76	1.15	5.01	3.45	2.45	2.81	1.54	2.10	4.09	31.70
Hamburg	3.17	2.77	4.01	3.71	1.77	2.86	6.55	5.05	5.06	3.03	5.31	.....	.....
Hanover	2.51	2.96	1.47	5.26	2.35	2.99	3.43	5.27	3.47	0.60	3.62	3.72	37.65
Harrisburg	2.10	4.23	2.50	4.37	1.34	3.68	4.02	8.84	5.53	0.52	3.27	3.94	44.34
Herrs Island Dam	2.60	1.66	1.63	4.09	1.39	6.04	2.90	3.17	3.40	1.89	2.36	2.11	33.24
Holtwood	1.39	1.59	2.39	3.73	2.76	3.26	2.68	8.83	2.67	1.21	4.11	1.95	36.57
Honesdale	.....	.....	.....	.....	.....	5.35	.....	.....	5.37	3.01	.....	.....	.....
Huntingdon	3.10	3.05	2.72	5.67	1.97	5.42	4.04	4.86	6.03	0.93	4.45	2.48	44.72
Indiana	2.71	2.85	1.65	5.24	1.18	7.15	2.76	3.91	5.05	1.44	3.53	2.89	40.36
Irwin	2.17	1.98	1.69	4.43	1.14	6.36	3.56	3.37	4.01	1.68	2.95	1.96	35.30
Jersey Shore	3.42	2.13	2.78	4.32	2.92	3.93	4.24	5.43	3.93	1.53	4.26	2.11	41.00
Johnstown	3.49	3.57	2.83	5.86	1.94	6.26	4.32	4.02	3.86	0.87	4.27	3.06	44.29
Karthaus	.....	1.15	2.52	5.00	1.25	5.32	3.02	3.54	3.77	.....	.....	.....	.....
Kennett Square	3.06	2.54	4.76	.....	3.23	5.05	4.39	6.25	6.16	1.10	3.61	4.19	.....
Ketner	2.67	1.14	2.18	4.24	1.22	3.78	3.04	4.78	4.06	1.70	3.26	2.27	35.34
Lancaster	1.88	1.77	3.47	5.64	2.81	4.72	2.00	9.29	2.82	1.00	2.97	3.51	41.88
Lansford	1.36	1.75	3.20	3.56	1.92	3.01	4.20	.....	4.85	2.03	2.46	2.52	.....
Lawrenceville	1.65	0.85	1.15	2.55	1.70	2.53	6.35	2.46	4.12	1.35	2.51	2.42	29.64
Lebanon	2.19	5.03	4.01	4.69	1.32	6.21	4.79	6.60	4.12	0.69	3.11	4.77	47.53
Lewisburg	3.07	2.86	2.95	4.37	2.03	3.83	4.36	5.51	6.26	1.25	3.44	4.02	43.95
Linesville	.....	1.24	1.68	3.80	1.64	5.21	2.48	3.30	2.58	3.06	4.00	3.69	.....
Lloyd	2.49	0.95	2.52	3.63	1.64	3.72	4.25	4.23	2.99	0.63	3.25	2.23	32.53
Lock Haven	2.73	2.72	3.08	4.57	1.79	3.76	5.98	5.09	4.14	1.51	3.83	2.33	41.51
Lock No. 4	2.95	2.24	1.72	3.62	2.06	7.94	4.16	4.31	3.61	1.70	2.85	2.15	39.31
Lycippus	5.06	3.36	1.54	3.80	2.02	6.30	6.22	3.62	4.65	1.66	3.20	2.49	43.92
Lykens	1.94	3.84	4.49	3.71	2.17	4.31	4.22	4.60	7.13	1.14	4.93	4.60	47.08
Marcus Hook	2.59	1.54	2.25	3.96	2.13	4.61	4.17	2.45	4.31	1.24	4.64	4.35	38.24
Mauch Chunk	2.16	3.50	6.00	4.47	1.81	3.59	5.10	4.58	7.24	1.14	3.92	5.11	48.62
Media	4.93	2.30	4.14	5.56	2.11	6.33	7.13	8.69	2.95	.....	.....	.....	.....
Mifflintown	2.23	2.99	2.77	4.68	2.18	3.90	4.20	7.79	5.74	0.88	3.93	3.39	44.68
Milford	1.10	2.00	3.30	4.45	1.90	5.50	10.70	3.31	6.95	2.42	2.59	4.34	48.56
Montrose	1.50	1.94	2.82	3.12	1.90	3.66	8.20	5.85	6.78	2.30	2.89	4.47	45.43
Mount Pocono	2.23	2.87	3.89	5.02	1.36	3.02	10.30	3.11	9.40	4.25	4.61	6.62	56.70
Mosgrove	2.15	1.46	1.45	4.91	2.64	4.49	3.74	4.50	3.34	2.57	.....	.....	.....
Muncy Valley	1.77	1.76	3.93	4.06	1.69	4.86	6.96	7.14	4.86	2.04	3.90	4.60	47.57
Narberth	2.68	3.69	4.08	4.51	3.50	5.47	4.76	7.18	2.91	1.52	4.33	5.34	49.97
Neshaminy Falls	2.36	3.87	2.53	3.68	3.64	5.46	2.86	8.73	5.30	2.36	3.57	5.61	49.97
New Castle	1.00	1.51	2.35	5.20	2.48	6.28	2.90	2.50	3.36	1.47	1.85	2.12	33.02
Newell	2.54	1.65	1.05	3.30	2.04	5.13	3.75	2.11	3.17	1.05	2.23	1.51	29.53
North Shenango	1.45	0.72	1.95	3.34	1.18	5.69	3.50	2.61	3.52	2.79	3.38	2.53	32.66
Palmerton	1.25	1.54	3.53	3.40	1.97	3.48	7.78	2.01	6.76	1.04	3.09	4.48	40.28
Parkers Landing	1.63	1.37	2.09	5.28	2.49	5.66	2.05	4.35	1.68	2.04	2.19	2.84	42.87
Penn Line	1.85	1.00	1.73	3.59	1.28	4.65	2.73	2.79	3.05	3.56	3.28	3.16	32.67
Philadelphia (Weather Bureau)	2.71	3.67	3.35	3.92	2.15	6.76	3.52	7.31	3.42	0.64	4.05	4.66	46.16
Philadelphia (d)	2.71	3.36	3.19	3.59	3.16	7.38	4.20	7.37	2.00	1.86	4.03	4.86	47.71
Phoenixville	.....	3.22	3.59	4.29	2.54	3.06	4.21	5.28	1.51	1.07	3.88	.....	.....
Pittsburgh	2.80	1.62	1.77	4.42	1.03	6.74	3.29	2.53	3.48	1.48	2.57	1.94	33.67
Pottstown	2.05	3.30	5.11	4.07	2.70	2.45	3.97	4.24	2.40	1.38	4.04	3.65	39.36
Pottsville	2.41	4.59	4.01	5.04	1.75	2.82	7.74	4.14	7.13	0.96	4.25	4.74	49.58
Punxsutawney	2.78	.....	1.79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quakertown	2.50	3.92	3.41	5.77	2.58	3.05	4.81	6.74	2.85	1.81	4.35	4.80	46.60
Reading	2.74	3.03	4.51	5.10	1.39	3.35	3.67	4.34	3.83	0.82	3.13	4.75	40.66
Renovo	2.44	0.75	2.18	3.06	1.95	2.86	5.65	.....	3.65	1.92	4.35	2.39	.....
Ridgway	1.40	1.56	1.55	3.59	1.60	4.61	3.39	1.93	2.91	1.65	2.98	1.80	28.97
Sadsburyville	2.06	3.12	5.36	4.98	2.87	4.66	3.90	4.74	4.12	0.82	3.18	3.92	43.73
Saegerstown	2.00	1.50	2.14	4.42	1.12	5.05	4.09	.....	2.59	3.10	3.60	.....	.....
Saltsburg	3.48	2.55	1.72	4.86	1.42	6.54	6.30	3.75	2.07	2.38	3.33	2.51	40.91
Scranton	2.79	4.74	3.50	2.53	2.48	5.06	5.42	3.33	4.94	2.02	2.97	3.03	42.75
Selinsgrove	3.40	3.40	4.24	4.26	1.94	5.28	5.89	6.03	4.79	1.49	5.69	3.83	50.24
Shanksville	2.64	2.49	.....	.....	.....	.....	.....	5.50	5.56	.....	.....	.....	.....
Sharon	2.35	0.74	1.23	3.98	1.51	4.84	1.98	2.80	0.97	1.94	2.58	1.85	26.77
Shawmont	2.33	2.67	2.68	3.28	2.87	5.31	4.85	7.33	2.83	0.64	3.49	4.66	42.94
Somerset	3.68	5.23	2.69	6.56	3.32	8.04	4.10	8.03	5.19	1.30	6.22	2.84	57.70
Springdale	2.88	1.90	2.23	4.43	1.66	3.89	.....	.....	4.03	2.65	2.86	2.31	.....
State College	2.89	2.76	2.76	5.95	1.67	5.47	2.91	5.44	4.91	0.87	4.32	2.50	42.45
Stroudsburg	2.51	3.13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Summit	1.18	0.85	1.50	3.88	1.41	5.58	3.70	2.98	1.75	3.72	4.02	2.46	33.12
Sunbury	2.62	2.20	3.12	4.46	1.79	4.73	5.76	4.84	5.04	1.14	4.50	4.35	44.62
Towanda	2.02	1.30	2.96	2.44	1.36	3.22	5.83	2.72	5.25	1.32	2.92	2.42	33.78
Turnerville	0.99	0.61	3.45	1.07	5.49	4.44	4.71	3.20	1.51	2.31	3.16	.....	.....

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Pennsylvania—Continued.													
Uniontown	2.73	3.30	2.35	4.88	3.65	7.52	5.90	5.78	4.73	1.12	3.32	1.92	47.20
Vandergrift	3.14	1.84	1.59	4.39	1.57	6.21	2.46	4.06	3.54	2.31	2.73	2.54	36.38
Warren	1.98	1.24	1.43	4.01	2.18	5.30	3.51	3.72	2.63	1.26	2.17	2.47	31.90
Waterville	2.23	1.50	2.82	3.51	1.87	3.52	3.14	6.93	3.30	2.06	6.42	.....	.....
Weikert	3.11	2.71	2.90	4.75	1.67	4.31	4.46	6.20	7.00	1.35	3.90	3.98	46.34
Wellsboro	1.84	0.77	1.68	2.28	1.57	3.33	4.85	2.39	5.31	1.23	2.69	1.81	29.75
West Bingham	1.92	0.85	2.50	2.89	1.78	2.54	3.50	2.52	3.10	1.29	2.01	1.37	16.27
West Chester	3.07	3.30	5.94	5.59	3.35	5.85	.....	.....	.....	.....	.....	.....	.....
Westford	1.92	0.87	1.55	3.87	1.02	5.30	3.20	3.64	2.16	2.70	3.32	2.87	32.22
West Newton	3.60	3.07	2.32	3.84	2.25	8.37	3.65	3.24	3.65	1.32	2.57	1.93	39.81
White Haven	2.30	3.00	3.60	5.75	2.10	4.08	3.48	5.18	5.46	1.13	4.18	4.08	44.34
Wilkes-Barre	1.80	2.80	3.82	2.79	2.17	5.90	4.89	2.21	4.28	2.75	2.91	2.79	39.11
Williamsport	2.45	2.15	3.73	3.64	1.79	5.31	3.65	7.76	3.94	1.34	4.03	3.03	42.82
York	2.15	3.08	2.92	5.80	2.23	2.25	2.77	7.12	3.77	0.51	2.70	3.39	38.69
Porto Rico.													
Aibonito	3.83	6.49	.....	.....	5.44	2.10	2.02	5.64	6.68	5.96	3.20	3.90	.....
Anasco	1.02	6.13	5.92	.....	.....	.....	13.25	10.18	9.87	6.39	.....	2.85	.....
Arecibo	20.51	11.14	7.10	0.35	8.60	2.01	6.04	5.22	3.87	1.40	.....	3.25	.....
Bacupey	10.70	6.03	.....	1.57	8.02	2.47	.....	.....	.....	.....	.....	.....	.....
Barceloneta	10.04	8.50	4.84	0.43	4.46	1.73	3.09	5.25	5.83	6.07	4.45	4.42	59.11
Bayamón	8.06	2.55	2.89	1.42	5.17	2.28	6.45	10.61	4.51	8.11	5.03	4.62	61.70
Cabo Rojo	1.07	6.14	5.16	2.35	4.75	3.51	2.30	9.70	14.64	4.55	7.53	1.85	63.55
Caguas	5.31	5.91	2.95	0.08	2.96	2.73	5.73	6.76	7.98	6.27	4.19	3.35	54.22
Camuy	5.32	3.65	5.00	1.45	4.34	2.76	6.04	7.59	6.08	3.66	4.48	1.11	51.48
Cangrejo	8.80	2.90	2.30	0.00	1.57	4.00	2.95	7.18	7.35	6.80	6.35	4.32	54.52
Canovanas	10.15	3.81	6.91	0.71	3.08	2.92	9.37	9.26	7.21	4.90	6.97	7.54	72.83
Carite Camp	6.08	14.93	11.16	0.48	9.09	4.48	10.13	8.99	5.35	9.70	6.71	8.54	95.64
Cayey	3.45	8.04	4.17	0.31	5.30	2.39	5.61	7.25	4.15	4.82	4.40	2.88	52.77
Central Aguirre	1.65	11.11	4.93	0.00	7.70	1.62	2.75	4.05	7.33	4.30	2.22	2.15	49.81
Cepero	8.38	4.35	1.60	0.22	1.70	0.86	4.90	8.38	8.36	5.28	6.55	4.45	53.03
Coamo	0.00	8.05	3.58	0.39	6.69	0.30	1.56	2.09	3.31	5.26	1.03	1.00	33.26
Coloso	2.01	4.19	5.07	2.14	8.43	9.19	3.21	8.07	14.44	8.19	5.12	3.42	73.48
Comerio Falls	10.29	6.11	3.01	2.35	4.11	2.80	11.45	11.33	6.08	9.79	2.79	3.82	73.93
Culebra Island	1.57	2.02	2.42	1.03	2.56	1.57	1.89	2.28	5.45	4.75	1.38	1.86	28.78
Destino	0.37	9.67	2.71	0.05	6.12	0.90	2.30	2.00	3.35	5.16	1.55	0.75	34.93
Dorado	8.73	7.59	3.68	1.52	3.19	2.10	3.63	2.27	1.60	4.70	6.27	5.06	50.34
Fajardo	5.98	4.11	4.85	0.71	1.86	2.35	4.11	5.92	5.52	7.44	5.42	3.83	52.10
Guanica Centrale	0.16	6.95	1.25	0.22	4.38	0.40	0.15	2.40	.....	.....	.....	.....	.....
Guayama	2.66	10.45	5.58	0.09	5.79	3.64	3.03	3.73	8.22	4.99	3.68	3.31	55.17
Humacao	5.43	10.58	6.63	0.23	6.28	7.08	8.26	9.98	8.53	11.97	11.04	6.03	92.04
Inabon Falls	7.75	15.75	12.00	5.40	20.10	9.10	7.00	12.10	14.12	16.10	7.90	2.40	129.72
Isabela	3.80	3.55	4.00	0.15	4.20	3.25	4.10	3.65	7.85	4.95	6.80	1.45	47.75
Isidora	0.10	8.25	3.18	0.00	5.00	0.62	1.49	.....	6.16	.....	.....	.....	.....
Jajome Alto	6.75	14.68	13.08	0.32	10.57	5.44	10.88	4.13	3.59	5.41	7.21	8.45	90.51
Jayuya	4.84	7.02	1.83	3.98	8.80	1.66	3.44	9.56	12.93	13.00	5.52	0.62	73.20
Josefa	.....	.....	5.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Juana Diaz	0.85	8.68	5.71	0.10	7.18	1.40	2.36	.....	4.10	6.14	4.97	0.63	.....
Juncos	4.10	5.82	3.38	0.63	2.74	2.84	5.38	5.41	4.28	6.36	4.62	4.12	49.68
Lares	7.86	9.38	1.33	4.47	14.62	.....	.....	.....	.....	.....	.....	.....	.....
Las Marias	.....	.....	2.92	3.66	5.79	9.95	5.50	12.66	12.81	9.53	.....	0.75	.....
Manati	8.08	5.95	3.09	0.29	5.10	3.76	6.83	4.34	5.14	8.97	6.79	2.91	61.25
Maricao	.....	.....	.....	.....	.....	.....	.....	13.93	.....	.....	.....	.....	.....
Mayaguez	1.88	6.57	1.69	3.53	2.99	8.10	16.26	10.85	10.87	4.26	10.83	2.24	80.07
Mona Island	0.72	6.18	6.80	0.07	4.58	1.93	6.21	2.68	6.95	6.18	1.85	0.90	45.05
Patillas Dam	5.02	9.17	6.55	0.45	7.47	2.90	7.06	7.93	5.62	6.72	4.18	6.70	69.77
Peñuelas	0.52	9.67	3.13	1.27	7.63	0.55	5.23	5.82	7.88	5.10	4.05	0.67	51.52
Potala	0.00	8.34	0.83	0.00	6.71	1.29	1.35	3.60	6.17	4.34	1.60	0.56	34.79
Rio Blanco	5.76	8.12	6.91	0.53	7.09	7.00	7.96	8.67	6.57	4.85	.....	.....	.....
Rio Grande	14.22	5.02	7.51	2.64	2.01	3.13	12.48	12.51	9.83	2.98	2.94	5.71	80.98
Rio Piedras	10.51	5.08	2.29	0.69	3.96	3.17	4.04	6.33	4.46	4.10	4.84	4.67	54.14
San German	2.83	7.56	4.84	2.23	5.94	2.58	3.01	7.20	10.08	3.55	4.27	1.13	55.22
San Juan	6.39	3.15	3.48	1.59	4.71	5.81	3.87	5.38	6.27	5.36	5.22	5.30	56.03
San Salvador	5.26	5.77	3.17	3.35	11.78	.....	.....	.....	.....	.....	.....	.....	.....
Toro Negro Dam	5.40	17.62	8.22	1.90	17.11	4.24	3.57	.....	.....	12.65	9.50	2.75	.....
Utuado	.....	.....	.....	.....	.....	4.56	4.84	9.98	14.13	15.03	2.41	0.34	.....
Vieques Island	4.13	2.86	.....	.....	2.86	2.58	4.18	.....	4.27	8.59	4.91	4.27	.....
Yabucoa	4.21	8.21	6.07	0.29	7.13	5.04	5.22	.....	6.53	6.82	8.15	8.28	.....
Rhode Island.													
Block Island	2.75	4.00	4.38	5.24	3.29	5.75	2.45	2.57	0.67	1.48	3.44	6.32	42.34
Bristol	3.59	6.67	4.18	5.26	3.69	7.95	1.55	2.81	3.16	1.63	4.43	4.42	49.34
Greene	2.74	5.57	4.70	4.94	4.05	7.30	4.31	2.79	2.83	1.76	5.56	5.33	51.88
Kingston	3.75	5.21	5.08	6.12	5.07	7.42	3.11	3.04	2.32	1.70	5.35	6.05	54.22
Pawtucket	3.35	7.20	3.28	5.19	4.58	6.84	3.60	3.37	1.98	1.60	5.35	4.13	50.47
Providence	2.60	4.56	3.66	4.70	4.92	6.80	3.00	3.17	2.11	1.44	3.69	3.91	44.56
South Carolina.													
Aiken	4.10	3.72	9.20	4.57	1.78	4.17	3.53	3.53	5.28	1.10	3.30	3.14	47.42
Allendale	2.29	4.41	6.23	5.87	0.86	2.37	5.09	7.32	4.30	1.40	2.83	3.85	46.82
Anderson	5.14	4.08	8.59	5.58	2.33	3.55	5.27	5.47	5.23	0.19	4.62	5.04	55.09
Batesburg	4.29	2.96	8.47	3.79	1.59	3.19	6.43	5.24	3.54	0.72	3.77	2.62	46.61
Blackville	2.21	3.60	5.61	4.85	0.55	4.05	3.35	6.23	5.00	0.50	3.10	3.95	43.00
Blairs	4.90	3.89	7.26	3.80	1.34	2.51	3.75	13.57	4.28	0.49	3.68	3.64	53.11
Bowman	1.44	4.46	10.65	5.54	0.32	4.97	7.46	8.85	3.17	0.88	2.36	4.72	54.82
Calhoun Falls	5.66	3.86	9.74	4.60	4.77	2.74	4.06	6.92	3.65	0.32	4.91	4.44	55.07
Camden	4.59	2.11	5.85	5.27	0.95	1.30	4.24	7.58	3.58	0.65	2.73	4.11	42.96
Catawba	3.75	4.38	5.99	5.57	1.62	3.16	5.33	10.50	4.02	1.27	3.83	3.08	53.09
Chappells	6.23	4.80	6.46	4.80	1.53	2.05	5.06	6.55	2.50	1.70	3.42	3.13	48.23
Charleston	1.60	2.61	4.65	7.40	1.96	2.45	4.69	7.02	8.30	0.06	3.07	3.00	46.81
Cheraw	3.30	3.93	5.00	3.70	0.82	4.23	3.85	11.51	3.38	0.58	2.98	3.53	46.81
Clemson College	6.84	3.88	10.11	7.55	3.12	5.43	5.95	8.95	4.68	0.28	4.51	6.33	67.63

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Carolina—Continued.													
Columbia	3.18	2.82	5.72	3.41	1.24	2.16	3.36	7.68	4.17	0.58	3.26	2.26	39.84
Conway	1.05	6.00	5.06	5.16	1.10	2.50	7.60	14.78	7.08	1.33	3.34	3.21	58.21
Darlington	3.49	3.16	4.70	4.56	1.40	2.10	4.04	12.51	9.37	0.80	3.06	3.35	52.54
Edgefield	5.30	4.04	9.36	4.05	1.87	1.85	5.12	4.47	5.98	1.33	3.23	2.72	49.32
Edisto	2.57	4.45	7.17	5.09	0.82	2.11	3.75	9.42	8.99	1.43	.....	.....	.....
Effingham	1.98	3.77	5.11	4.98	0.99	5.46	12.23	7.11	8.89	0.64	2.97	2.81	56.94
Ferguson	2.28	4.34	6.52	2.77	0.84	2.38	5.70	9.47	4.49	0.84	3.45	4.79	47.87
Florence (No. 1)	1.72	4.18	4.14	4.81	1.14	5.74	9.19	5.03	7.41	0.82	3.51	3.81	52.10
Florence (No. 2)	2.05	3.94	4.19	7.45	1.29	4.51	6.81	6.28	10.85	0.17	3.12	3.90	54.56
Garnett	2.92	6.69	5.19	5.60	2.08	4.23	6.06	4.88	6.39	0.73	4.44	4.74	53.95
Gaston Shoals	3.45	3.51	6.55	7.29	2.07	3.67	5.14	13.93	4.51	0.30	6.99	5.46	62.87
Georgetown	1.75	6.99	5.25	9.06	3.87	6.57	5.12	10.11	7.40	0.20	3.75	5.18	65.25
Greenville	5.83	3.42	8.26	7.18	1.62	6.11	7.90	5.96	2.65	0.53	4.52	5.39	59.37
Greenwood	5.15	5.61	7.97	4.40	2.65	2.71	7.30	6.04	2.88	0.65	4.90	3.91	54.17
Heath Spring	4.95	1.72	5.77	3.00	1.23	4.11	6.41	8.09	5.12	1.55	3.28	3.79	49.02
Kershaw	4.71	2.70	5.71	2.56	1.13	4.86	4.94	7.73	3.17	1.52	3.32	3.94	46.29
Kingstree	2.01	4.05	6.95	3.74	0.90	1.17	5.95	11.24	5.68	2.44	2.50	3.16	49.79
Landrum	5.53	4.10	8.53	10.66	3.18	6.38	6.32	9.92	9.43	0.31	5.63	6.76	76.75
Laurens	3.25	4.37	7.60	4.02	2.25	3.55	4.92	10.43	4.17	1.19	6.11	3.20	55.06
Liberty	5.95	1.91	9.97	13.40	2.88	5.99	3.90	6.76	1.81	1.63	4.90	7.97	67.07
Little Mountain	4.50	4.02	5.57	2.88	1.93	2.36	2.57	11.21	4.16	0.80	3.24	3.08	46.32
Meriwether	4.46	3.53	8.11	3.89	3.04	2.51	.....	.....	.....	.....	.....	.....	.....
Monetta	3.87	3.96	8.73	3.56	1.55	3.80	7.35	3.23	3.64	0.62	3.21	3.30	46.82
Newberry	5.38	4.64	7.27	3.45	2.15	2.83	2.50	7.98	4.05	0.70	2.72	3.10	46.77
Oaks	1.00	6.87	6.43	3.96	1.63	5.21	8.97	8.07	8.46	0.40	2.06	3.04	56.10
Orangeburg (No. 1)	2.02	3.78	7.59	4.19	0.56	1.85	4.65	4.08	5.70	1.16	2.42	3.36	41.36
Orangeburg (No. 2)	2.09	3.47	6.94	3.08	0.30	1.25	3.98	4.60	3.14	0.41	1.60	2.64	33.50
Paris Island	1.38	2.18	2.16	4.17	1.53	3.01	5.20	4.75	6.00	0.31	5.30	6.23	42.22
Pelzer	5.12	3.94	8.78	6.38	2.04	6.28	9.64	8.22	4.02	0.76	5.12	5.18	65.48
Pinopolis	2.58	4.57	5.66	5.98	2.48	3.05	6.01	11.73	10.48	0.22	4.90	3.49	61.15
Rimini	2.62	4.85	7.60	4.58	3.62	1.50	8.20	6.25	10.03	0.88	2.67	3.29	56.09
St. George	2.11	3.47	7.72	8.49	1.22	2.93	8.95	.....	.....	.....	.....	.....	.....
St. Matthews	2.63	2.90	3.74	4.67	0.67	2.15	5.43	11.04	8.67	0.81	2.48	.....	.....
Saluda	5.21	4.35	7.46	4.81	2.13	5.42	4.57	5.16	4.19	0.66	3.41	2.98	50.35
Santuck	4.40	4.58	7.83	4.34	1.72	3.34	3.04	15.40	2.60	0.57	4.73	4.49	57.04
Society Hill	2.74	3.53	5.72	4.66	1.08	2.78	6.21	5.16	5.07	0.81	2.53	2.69	42.98
Spartanburg	4.63	3.84	7.21	7.34	2.72	3.62	6.30	8.92	4.19	0.14	4.99	6.24	60.64
Summerville	1.60	5.02	5.35	15.57	2.47	1.64	6.05	10.47	5.73	0.15	3.68	3.90	51.63
Trenton	4.63	3.48	8.03	4.42	2.37	2.68	4.35	2.81	4.47	0.75	3.28	2.70	43.97
Walhalla	6.91	4.78	9.27	10.06	3.56	5.02	6.04	14.74	6.96	0.80	2.65	6.78	77.57
Walterboro	1.85	6.49	5.13	5.52	0.76	5.75	.....	5.46	.....	.....	.....	.....	.....
Whitehall (near)	.....	3.17	4.51	4.67	1.32	2.77	7.87	4.96	7.33	0.31	3.27	4.13	.....
Winnsboro	4.62	3.88	5.49	3.22	1.63	3.38	.....	.....	.....	.....	.....	3.54	.....
Winthrop College	8.00	4.65	6.15	4.31	1.16	2.53	3.95	9.83	4.17	0.71	3.44	3.15	51.55
Yemassee	2.72	4.78	6.03	5.60	1.89	4.12	6.36	4.54	3.41	1.59	3.41	4.24	48.69
South Dakota.													
Aberdeen	0.70	0.70	2.10	2.56	3.80	4.89	2.46	0.79	1.90	0.82	1.17	0.40	22.29
Academy	0.20	1.00	1.23	4.58	3.20	5.53	1.49	1.96	0.55	2.27	1.79	0.15	23.95
Alexandria	.....	.....	.....	.....	9.18	9.44	3.48	1.40	2.05	.....	.....	.....	.....
Ardmore	0.15	0.83	0.92	3.78	5.20	3.10	0.77	1.59	0.39	1.48	0.29	0.31	18.71
Armour	0.18	0.85	1.68	3.67	3.83	5.96	3.27	3.28	0.91	0.27	0.78	1.68	26.36
Bellefourche	0.31	0.47	2.05	3.18	5.82	4.74	1.21	0.96	0.98	0.54	0.77	0.37	21.40
Bison	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.40	.....
Britton	0.38	0.11	1.00	1.24	3.69	5.19	1.66	0.99	2.44	0.90	0.44	0.05	18.09
Brookings	0.34	0.24	1.85	2.95	3.84	7.27	5.45	2.15	1.99	0.66	1.30	0.30	28.34
Camp Crook	0.24	0.28	1.75	1.41	5.32	2.30	2.48	0.57	0.49	0.33	0.11	0.07	15.35
Canton	.....	0.60	4.35	4.80	5.77	4.43	1.18	1.79	1.65	2.30	1.25	1.85	.....
Castlewood	0.26	0.30	2.30	2.34	4.03	7.11	4.29	4.90	2.14	0.73	2.05	0.40	30.85
Cedarbutte	0.15	0.80	.....	5.00	3.80	2.90	0.26	1.14	1.19	0.92	3.03	1.49	.....
Centerville	0.15	1.00	1.41	3.41	3.98	3.19	1.30	1.94	1.51	1.67	2.37	0.95	22.88
Clark	.....	.....	.....	.....	.....	6.94	2.63	1.91	2.12	1.14	1.21	0.47	.....
Colome	0.19	0.58	0.87	4.49	3.43	5.85	1.64	2.96	1.41	0.93	2.13	0.95	25.43
Cottonwood	0.27	0.54	0.58	2.80	5.53	4.02	0.67	1.87	1.63	0.93	0.36	0.18	19.38
Crow Creek	0.10	0.08	0.37	.....	.....	7.41	.....	.....	.....	.....	0.47	0.63	.....
Custer	0.13	.....	0.86	8.45	4.79	2.95	1.97	5.00	1.20	1.35	T.	0.06	.....
Deadwood	1.30	1.30	.....	.....	5.20	4.20	.....	2.00	1.45	1.75	1.15	0.95	.....
Deerfield	0.37	0.76	0.62	2.61	3.57	3.09	3.21	1.46	1.32	1.07	0.31	0.22	18.61
De Smet	0.10	0.25	1.90	1.44	.....	11.41	.....	2.10	1.17	1.83	1.62	1.00	.....
Dowling	0.18	0.17	1.34	1.40	4.32	1.11	1.09	2.05	.....	1.37	1.16	0.38	.....
Dumont	1.12	1.50	1.23	3.63	3.41	3.18	5.58	1.35	3.21	1.55	0.63	0.37	26.76
Eales	0.14	0.50	1.43	1.99	4.28	3.17	3.16	2.47	1.55	0.53	0.40	0.06	19.68
Elk Mountain	0.10	0.20	0.42	1.79	4.59	5.18	1.79	2.57	0.93	1.28	0.29	0.21	19.35
Ellingson	.....	.....	.....	.....	1.78	3.38	.....	.....	.....	.....	.....	.....	.....
Eureka	0.16	0.08	0.27	1.63	1.74	4.26	2.71	2.05	3.90	0.36	0.54	0.09	17.79
Fairfax	0.45	0.85	1.32	6.93	3.06	5.68	0.81	2.94	0.53	0.45	1.21	1.07	25.30
Faulkton	0.40	0.35	3.30	3.44	5.89	5.69	1.77	1.55	1.96	0.70	1.27	T.	26.32
Flandreau	0.06	0.32	1.70	3.72	6.10	3.97	2.62	3.25	2.65	1.58	1.23	0.13	27.23
Forestburg	T.	0.24	2.54	5.09	7.01	5.90	1.63	3.05	0.83	0.52	1.84	0.74	29.39
Gannvalley	0.20	0.45	1.70	1.59	6.00	4.85	2.02	2.32	1.05	1.20	1.28	1.00	23.66
Greenmont	1.30	2.40	2.60	5.20	2.50	4.30	1.50	2.50	1.00	1.50	2.10	0.80	27.70
Hardingrove	0.09	0.43	.....	.....	4.93	0.83	0.90	0.78	0.52	.....	1.58	.....	.....
Hardy Ranger Station	1.28	1.38	2.15	2.30	3.73	5.12	1.36	2.72	1.73	2.01	1.06	0.80	25.64
Harveys Ranch	0.95	1.35	2.65	4.30	3.40	4.56	2.62	0.95	0.60	2.16	0.95	0.60	25.09
Hermosa	0.04	0.80	0.41	3.66	6.26	3.17	1.53	1.14	1.60	0.63	0.15	0.10	19.49
Highmore	0.50	0.33	1.20	2.56	6.04	7.35	3.56	2.47	1.51	0.75	0.84	0.20	27.31
Hopewell	0.40	0.48	1.25	2.37	4.63	4.47	3.05	2.52	0.99	0.78	1.12	0.32	22.38
Hot Springs	0.40	0.40	0.35	4.62	5.37	5.71	1.22	1.37	0.12	1.01	0.08	0.68	21.33
Howard	.....	.....	.....	.....	2.45	6.22	3.78	1.60	1.44	0.67	1.28	0.79	.....
Howell	0.08	0.31	0.80	2.37	5.87	7.89	2.60	2.00	1.30	.....	0.80	0.10	.....
Huron	0.30	0.65	1.72	3.05	4.73	6.27	5.39	1.74	1.93	0.52	0.92	0.73	27.95
Interior	0.40	0.60	0.50	1.96	3.42	5.05	1.22	1.15	1.30	0.92	0.85	0.40	17.77
Ipswich	0.10	0.18	0.38	2.11	2.93	4.09	1.89	.....	.....	0.22	0.45	0.05	.....
Jefferson	0.35	1.21	3.07	2.57	5.41	3.75	4.21	0.88	0.82	1.56	0.16	0.26	24.25

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Dakota—Continued.													
Kadoka			0.39	3.02	5.78	5.06	1.31	1.03	0.70	1.78	0.82	0.30	
Kennebec	0.20	0.75										0.50	
La Delle		0.40	1.57	4.43	4.50	7.97	2.95	3.64		1.03	1.25	0.06	
Lead	1.20	1.04	1.89	5.36	4.60	4.01	2.53	1.82	0.93	1.91	0.81	0.83	26.93
Lemmon	0.20	0.21	1.90	2.32	1.86	3.36	2.13	1.19	1.04	0.42	0.26	0.42	15.31
McIntosh	0.25	0.05	1.65	1.48	3.23	2.38	2.20	4.60	0.86	0.25	0.39	0.10	17.44
Marion	T.	1.18	3.15	5.67	7.24	3.60	3.18	2.07	0.80	1.52	2.04	0.65	31.10
Meadow	0.20	0.45	1.12	1.22	4.17	3.47	2.59	1.38	1.16	1.26	0.24	0.30	17.56
Mellette	0.20	0.45	2.60	2.94	4.02	5.61	1.84	1.33	1.86	1.32	1.24	0.10	23.51
Menno	0.00		1.85	4.30	6.00	2.85	1.65	1.15	1.65	0.85	0.32	0.60	
Milbank	1.09	0.53	4.69	2.30	2.69	9.63	2.28	2.04	2.37	1.31	2.28	1.34	32.55
Mitchell	0.07	0.61		2.08	6.42	8.56	4.15	3.20	2.45	0.72	0.95	0.96	
Mobridge						2.74	1.84	2.00	1.10	0.30			
Mud Butte				2.68	5.19	3.89	1.39	0.68	0.39	1.25	0.69	1.04	
Murdo	1.10	1.60	1.10	3.24	6.32	3.32	1.56	1.59	2.29	2.50	2.25	0.41	27.28
Oelrichs	0.60	0.70		3.75	6.64	4.35	1.58	1.29	T.	1.17	1.05	1.10	
Onaka	0.10	0.25	0.95	2.55	5.10	4.00	3.00	3.02	2.30	0.35	0.72	T.	22.34
Onida	0.17	0.42	1.40	3.06	6.86	4.04	3.54	1.59	1.82	0.63	0.52	0.09	24.14
Orman	0.11	0.85	1.22	3.38	6.84	3.75	1.92	1.09	0.56	0.64	1.01	0.29	21.66
Ottumwa	0.60	0.40	1.70	3.00	5.96	5.28	1.98	2.25	1.65	0.71	1.00	0.40	24.93
Pierre	0.16	0.26	1.78	3.37	5.11	4.12	2.81	2.07	0.98	1.25	0.71	0.21	22.83
Pine Ridge	0.19	0.35	1.12	3.94									
Pollock	0.25	0.25	0.56	1.57	3.04	3.92	0.85	1.03	1.34	0.15	0.45	0.11	13.52
Pukwana	0.00						2.41	2.40	2.10	0.67			
Rapid City	0.23	0.64	0.57	4.27	8.15	4.13	1.46	1.30	0.99	1.38	0.42	0.32	23.86
Redfield	0.26	0.21	2.14	3.00	4.35	4.60	3.73	1.35	0.99	0.80	0.60	T.	22.03
Redig	0.35	0.32	0.98	1.03	3.09	3.59	2.30	0.44	1.01	0.74	0.89	0.25	15.59
Rochford	0.70	1.05	1.43	3.42	4.87	4.55	3.21	1.56	1.59	1.55	1.42	0.35	24.70
Rosebud Agency										0.64	0.93	0.56	
Roslyn	0.30	0.34	0.40	1.29	2.14	5.91	4.07		2.01	0.37	0.91	0.10	
Sioux Falls	0.08	0.80	2.70	5.32	6.22	4.17	2.20	3.32	2.23	2.01	2.22	1.62	32.89
Spearfish	0.95	0.85	2.72	4.03	4.29	2.94	1.46	1.90	0.75	1.34	1.30	0.82	23.35
Tyndall	0.02	0.61	1.52	4.54	4.12	5.18	3.57	3.56	1.04	1.25	1.92	0.66	27.99
Vale	0.24	0.38	1.25	2.67	10.25	6.01	1.59	0.52	0.85	1.23	0.64	0.28	25.91
Vermillion	0.27	0.63	4.45	5.55	5.76	4.17	1.89	2.58	2.33	1.75	2.11	0.88	32.37
Vivian		0.58	1.72	4.59	7.51	5.54	1.71	1.86	0.80	2.19	1.32	0.28	
Wagner	0.45	0.90	2.10	4.29	3.44			1.44	1.06	0.84	1.71	1.50	
Waters Ranch	0.58	1.41	1.69	3.02	4.77	3.61	1.85	1.76	1.39	1.56	0.76	0.86	23.26
Watertown	0.15	0.32	1.92	1.81	2.58	3.72	2.20	1.42	1.28	0.52	1.20	0.54	17.66
Wentworth	0.15	0.33	1.56	4.32	6.21	7.47	2.27	1.19	1.40	1.27	1.25	0.44	27.86
White Lake	0.10	0.50	1.91	4.51	1.24	5.39	2.32	0.62		0.60	0.84	0.50	
Wood	0.27	0.88	0.85	5.62	5.63	4.30	2.60	2.09	0.69	0.71		1.44	28.24
Yankton	0.25	0.90	2.44	4.34	6.34	3.75	1.34	2.35	1.25	2.46	0.95	1.13	27.50
Tennessee.													
Arlington	8.34	1.42	4.32	9.19									
Ashwood	6.90	3.35	5.25	11.05	5.54	4.80	4.85	4.35	3.50	0.70	3.25	3.80	57.34
Bluff City	3.62	2.33	5.88	4.44	2.10	4.95	5.24	10.18	4.80	0.48	3.71	4.37	52.10
Bolivar	5.68	1.39	2.28	11.36	7.18	1.59	5.65	2.85	6.98	1.48	1.77	4.85	53.06
Brownsville	8.85	1.94	3.26	10.66	4.14	1.90	2.32	4.26	5.00	0.98	1.20	6.89	51.40
Byrdstown	4.86	4.93	6.04	7.61									
Carthage	8.19	3.56	5.11	8.32	3.83	5.21	3.48	6.27	3.15	0.65	2.34	3.94	54.05
Cedar Hill	10.09	3.09	4.61	8.39	6.85	2.62	2.34	6.18	2.59	1.50	1.99	4.11	54.36
Celina	9.49	4.66	5.73	8.04	4.97	4.07	2.58	7.66	7.64	0.99	2.73	3.99	62.55
Charleston	3.48	4.79	7.54	7.67	2.54	6.05	4.14	10.01	2.98	0.76	3.36	7.47	60.79
Chattanooga	4.37	5.15	7.65	9.83	4.59	5.97	6.39	12.36	2.50	0.74	3.08	8.02	70.65
Clarksville	11.64	3.25	4.08	8.85	6.63	3.08	4.05	4.18	1.35	0.74	2.27	4.51	54.63
Clinton	5.01	4.11	6.33	6.33	2.75	5.80	3.71	10.48	2.93	2.30	2.94	4.70	57.39
Cookeville	7.22	5.08	5.10	8.91	4.19	4.83	2.14	9.63	4.99	0.51	3.02	3.96	59.58
Copperhill	5.34	4.67	6.92	12.54	2.66	3.64	4.07	13.69	4.03	0.80	3.98	9.51	71.80
Covington	10.17	1.36	3.11	10.00	6.37	2.23	8.94	5.12	6.05	2.20	1.02	6.58	63.15
Crossville (near)	5.73	4.04	7.58	6.42	3.05	6.87	3.54	15.55	6.01	0.56	4.32	5.32	68.99
Dandridge	3.56	3.55	5.19	5.16	2.14	7.24	4.16	9.57	3.94	0.55	3.99	5.39	54.44
Decatur	3.78	4.38	7.21	7.89	3.87	5.61	4.73	11.28	3.79	0.80	3.81	7.44	64.59
Dickson	9.20		3.73	5.75	2.25	5.37	5.83		1.72	1.95	3.12	5.85	
Dover	11.46	2.91	4.73	8.36	3.95	4.02	1.97	4.22	2.59	0.92	1.38	3.54	50.05
Dyersburg	7.45	2.95	4.02	7.69	4.77	4.30	1.97	2.94	1.92	2.00	2.30	7.70	50.01
Elizabethton	3.67	2.10	4.53	4.70	1.90	5.17	4.77	9.98	6.22	0.07	2.96	3.78	49.85
Florence	5.90	2.45	5.28	9.53	4.49	3.86						3.73	
Franklin	8.27	2.46	5.14	11.41	3.08	2.49	2.99		4.16	1.23	2.72	4.55	
Greeneville (near)	3.13	2.43	4.04										
Halls Hill	5.67	2.97	4.79	9.77	3.60	4.46	3.38	10.00	4.93	0.60	2.39	3.73	56.29
Henderson	6.41	1.71	5.36	10.25	5.99	2.79	3.08	4.34	3.97	1.47	2.38	6.25	54.00
Hohenwald	6.89	2.33	5.38	17.42	7.92	3.74	2.70	4.51	3.18	3.48	3.75	5.89	67.19
Huntingdon	10.55	3.34	3.83	7.27	4.34	3.16	5.79	4.15	3.27	0.61	2.09	4.48	52.88
Jackson	7.59	1.69	4.26	5.45	5.54	2.02	2.83	2.82	3.53	0.63	1.45	5.10	42.91
Jefferson City	3.42	3.65	5.56	5.77	1.93	6.35	6.35	6.72	2.71	0.45	4.70	4.29	51.90
Johnson City	3.41	3.72	5.53	4.78	2.35	5.44	4.96	8.52	4.98	0.22	3.53	4.40	51.84
Johnsonville	9.07	2.19	3.17	8.34	3.39	2.57	6.00	4.02	3.42	0.46	2.59	4.51	49.73
Kenton	10.49	2.30	4.58	6.73	5.38	3.55	4.89	1.59	3.90	1.08	1.95	6.63	53.57
Kingston	3.41	3.69	7.18	8.15	3.00	7.01	3.40	9.75	2.60	0.95	2.96	6.25	58.35
Knoxville	2.94	4.94	4.89	7.22	2.31	7.18	2.19	11.33	2.51	0.78	3.89	5.03	55.21
Lebanon (near)	6.15	2.61	5.71	8.43	4.83	3.45	3.77	6.67	3.54	1.19	2.93	4.28	53.56
Lewisburg	5.99	4.87	8.51	8.03	5.59	3.59	3.39	6.62	2.67	0.66	3.43	3.95	57.30
Liberty	6.29	3.83	5.42	7.87	3.12	6.49	2.97	8.65	6.65	0.74	2.62	4.46	58.51
Lookout Mountain	5.27												
Loretto	4.25	3.91	9.25	9.39	7.09	3.83	1.78	5.24	2.93	1.23	3.83	5.44	58.17
Loudon	3.61	5.03	5.95	8.10	3.77	5.37	2.12	12.01	5.98	1.56	4.29	7.12	64.91
Lynnville	6.41	3.97			5.69		3.73	5.95	2.37	1.11	3.62	4.77	
McGhee	3.58	4.39	7.45	6.85	2.29	6.91	3.68	10.48	7.11	0.80	4.29	7.12	64.95
McMinnville	4.21	4.36	7.76	6.85	3.49	5.65	2.86	8.52	4.72	0.25	3.28	3.54	55.49
Memphis	6.01	2.07	4.72	7.75	8.12	1.83	3.55	2.32	10.82	2.68	1.32	7.11	58.30
Milan	10.29	2.68	2.72	9.37	3.54	4.82	3.84	3.34	3.39	0.66	1.29	4.37	50.31
Moscow						2.88	6.32	4.75	6.63	1.00	1.71	5.48	
Mountain City	3.18	2.89	4.66		2.54	5.74	4.87	6.88	5.89	0.63	3.63	4.32	

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Tennessee—Continued.													
Nashville	7.35	1.92	3.25	8.58	3.18	3.81	3.00	6.85	4.15	2.75	2.60	2.99	50.43
Newport	3.71	3.32	5.13	5.45	2.21	4.54	3.44	7.44	4.65	0.29	3.96	3.69	47.83
New River	5.58	7.30	5.03	6.85	4.26	4.75	3.49	11.02	5.37	0.30	2.41	4.79	61.15
Palmetto	5.66	5.49	8.56	7.43	5.98	6.62	2.99	7.64	3.08	0.69	3.10	4.34	61.58
Perryville	6.65	3.00	6.11	9.07	6.00	3.80	4.09	3.56	4.78	1.00	3.07	5.63	56.76
Pinewood	6.82	3.03	3.18	10.28	6.05	5.03	1.67	6.49	2.68	1.22	3.01	4.00	53.46
Rogersville	4.35	3.59	6.95	5.03	2.01	5.25	6.41	6.13	2.82	0.35	3.36	4.17	50.42
Rugby	5.50	5.77	5.81	7.30	2.65	6.77	3.70	6.98	4.75	0.50	3.50	4.24	57.47
Savannah	7.12	1.65	3.92	12.64	5.06	5.87	2.89	3.40	4.24	0.60	3.90	5.91	57.20
Sevierville	3.72	3.90	5.98	5.86	3.01	4.88	3.78	10.18	3.34	0.30	4.10	5.16	54.21
Sewanee	4.89	6.58	8.68	7.67	4.62	4.93	6.08	17.73	4.07	0.66	2.43	5.41	73.75
Sparta (near)	.....	.....	.....	5.58	2.57	.....	.....	.....	6.26	0.02	.....	3.99	.....
Springville	12.03	2.54	3.99	8.72	5.87	3.84	5.93	3.41	1.29	0.68	1.39	4.08	53.77
Tazewell	4.63	5.48	6.67	6.56	1.90	6.17	1.41	7.57	5.00	1.57	3.37	4.76	55.09
Trenton	11.14	2.65	3.65	7.67	4.21	2.97	3.38	1.82	4.00	0.57	0.96	.....	.....
Tullahoma	4.16	6.05	8.12	9.27	5.18	4.78	2.51	10.63	2.10	0.22	3.58	4.95	61.55
Union City	8.37	2.83	3.81	7.26	4.58	7.45	5.66	3.96	2.45	3.63	1.56	6.47	58.03
Walling	3.90	4.37	6.16	5.67	4.55	6.76	3.30	10.37	4.53	0.24	3.05	4.03	56.93
Waynesboro	6.48	3.08	5.68	11.05	9.41	5.35	2.96	5.13	3.28	1.45	3.72	5.65	63.24
Worsham	8.15	3.68	3.68	10.36	5.25	5.82	2.30	11.41	3.85	3.46	2.79	3.95	64.70
Yukon	6.44	5.67	9.51	11.47	7.05	5.11	6.95	12.10	1.95	0.05	3.30	3.12	72.72
Texas.													
Abilene	3.02	0.30	0.01	0.29	8.26	1.77	1.81	9.03	5.66	2.77	1.92	0.63	35.47
Albany	3.31	0.43	0.47	0.70	5.65	3.74	5.14	4.67	1.75	1.73	2.22	1.05	30.86
Alice	2.46	0.15	0.43	0.05	7.17	2.21	1.35	0.90	0.15	2.27	2.55	0.05	19.74
Alvin	6.43	2.93	1.30	1.45	5.59	8.51	10.23	8.27	2.52	5.91	4.54	4.92	62.60
Amarillo	1.11	0.18	0.51	0.64	2.57	2.56	1.85	5.52	3.04	1.87	1.33	0.64	21.82
Anahuac	4.91	2.80	1.82	1.23	3.00	4.42	5.70	5.68	1.05	14.92	3.85	5.84	55.22
Anderson	7.52	1.40	1.43	0.12	4.85	4.03	5.45	5.34	1.76	6.45	3.65	3.47	45.47
Angleton	6.12	1.85	1.36	0.54	3.64	5.83	4.76	9.10	2.49	6.81	3.83	3.03	49.36
Antelope	2.82	0.37	0.50	1.75	4.71	.....	4.02	4.21	.....	.....	.....	.....	.....
Arthur City	5.32	0.58	4.20	4.08	17.45	3.60	1.98	6.53	1.43	6.96	1.97	1.75	55.85
Aspermont	2.07	0.78	.....	2.25	6.33	2.20	1.25	7.53	1.70	1.94	2.38	0.10	.....
Austin	5.59	0.24	1.93	0.38	6.47	6.47	2.64	5.21	1.61	3.88	2.94	1.32	38.68
Austwell	4.01	1.15	0.10	0.64	3.30	7.21	2.18	2.15	0.10	3.63	4.63	1.02	30.12
Ballinger	1.30	0.80	0.50	T.	3.40	1.10	0.75	3.45	1.65	3.75	0.85	T.	17.55
Beaumont	7.61	2.64	3.29	0.64	7.19	6.20	5.56	6.79	2.69	6.62	3.99	8.09	61.31
Beeville	4.02	0.28	0.51	0.53	4.07	5.89	0.08	1.77	0.56	1.63	2.57	0.36	22.27
Big Spring	2.17	0.16	0.05	0.10	5.44	1.80	1.28	6.76	0.94	1.40	2.32	0.14	22.56
Big Wells	1.88	0.40	0.00	1.18	3.11	1.80	0.57	3.68	0.00	3.31	1.10	0.05	17.08
Blanco	2.93	0.19	1.20	0.87	5.83	2.10	1.13	6.06	0.14	3.78	3.91	0.34	28.48
Boerne	2.72	0.74	0.94	1.31	2.44	3.89	1.53	2.90	2.63	3.54	5.04	0.22	27.99
Bonham	4.10	0.73	3.07	2.49	10.40	2.28	2.90	3.30	2.64	4.86	2.07	2.13	40.97
Bon Wier	9.18	3.74	3.41	0.83	6.34	3.14	4.85	7.06	4.08	.....	.....	7.03	.....
Bovina	.....	0.12	1.00	0.25	2.09	1.33	.....	.....	.....	.....	.....	.....	.....
Bowie	2.78	0.35	1.16	3.52	4.39	4.13	2.96	5.60	4.57	6.29	1.93	1.44	39.12
Brazoria	6.76	2.09	1.40	0.54	7.08	9.60	4.72	9.32	1.38	8.60	4.60	3.38	59.47
Brazos	.....	.....	0.70	0.00	6.80	3.20	3.70	.....	.....	.....	0.18	1.00	.....
Brenham	8.11	1.09	0.95	2.10	3.95	4.03	5.76	8.09	3.02	4.82	3.02	3.49	48.43
Bridgeport	3.73	0.15	0.94	4.55	16.23	6.93	1.52	5.65	5.59	4.96	1.99	2.31	54.55
Brighton	5.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brownfield	1.26	T.	0.25	0.00	1.69	2.38	2.09	6.00	3.59	1.35	2.52	0.09	21.22
Brownsville	1.13	0.75	0.76	0.00	2.90	6.70	2.18	0.00	0.34	3.56	2.42	0.05	20.79
Brownwood	3.41	0.94	1.77	T.	6.91	3.07	1.22	3.98	5.39	1.26	2.01	0.57	30.53
Buena Vista	2.19	0.23	0.00	T.	1.12	0.81	T.	5.87	0.49	1.48	3.48	T.	15.67
Cameron	.....	.....	.....	0.90	5.53	1.97	.....	.....	.....	.....	.....	.....	.....
Canadian	0.50	T.	0.33	0.41	2.94	1.74	4.36	3.47	4.05	3.42	0.75	1.47	23.44
Chillicothe	1.40	0.76	0.66	2.96	5.71	2.12	1.35	9.01	5.50	6.51	2.75	0.77	39.50
Clarendon	1.20	0.10	0.90	0.65	6.83	2.57	1.10	6.37	4.28	1.57	2.80	1.15	29.52
Clarksville	5.76	1.76	4.35	4.28	13.03	4.26	5.03	4.93	2.40	6.01	0.97	4.19	56.97
Claude	0.25	0.00	0.60	1.20	5.67	2.00	4.70	4.26	2.91	3.91	0.20	1.27	26.97
Claytonville	2.42	0.76	0.00	0.31	6.63	1.47	0.65	12.51	1.45	.....	2.52	T.	.....
Cleburne	4.19	0.39	2.45	1.27	7.87	2.04	3.73	7.25	3.79	4.45	3.68	1.43	42.54
Clifton	4.38	0.69	1.88	0.67	6.16	3.72	3.55	12.26	5.22	1.58	3.49	1.29	44.89
Clint	2.31	0.40	0.07	0.00	T.	0.90	0.88	1.03	0.11	0.90	0.04	0.00	6.64
Coleman	2.81	0.80	0.80	T.	5.84	3.71	1.64	8.00	5.30	2.43	1.38	1.04	33.75
College Station	7.34	0.80	1.30	0.53	5.77	3.86	5.19	8.55	3.60	6.07	3.28	2.37	48.66
Colorado	2.11	0.49	0.16	T.	7.24	5.66	0.27	7.67	3.31	2.04	2.99	0.27	32.21
Columbus	6.40	1.07	0.45	0.21	2.58	2.58	1.79	9.18	0.15	4.37	1.95	1.87	32.60
Conroe	9.84	1.49	2.33	1.00	4.18	4.71	3.57	7.89	1.30	5.46	4.92	2.45	49.14
Copperas Cove	4.01	0.70	1.34	0.40	4.29	4.72	0.95	11.11	4.59	2.81	4.11	0.80	39.83
Corpus Christi	2.74	0.20	0.18	0.11	4.06	2.48	0.19	1.44	T.	7.31	1.84	0.24	20.79
Corsicana	4.81	0.93	1.66	0.39	3.92	1.76	4.40	7.24	3.51	6.51	4.81	1.80	41.74
Crosbyton	1.99	0.16	0.66	0.25	5.53	3.73	2.13	8.37	2.26	2.39	2.12	0.24	29.83
Crowell	1.60	0.75	2.00	1.50	2.25	1.75	0.50	8.00	3.40	4.15	.....	0.50	.....
Cuero	4.49	0.65	0.36	0.34	7.28	4.24	1.01	3.44	0.80	1.61	2.67	0.60	27.49
Dalhart	0.36	0.00	0.05	0.31	3.25	6.81	2.56	1.33	0.81	4.49	0.34	0.47	20.78
Dallas	4.93	0.79	5.62	2.12	12.92	4.29	1.89	6.50	1.72	3.78	1.65	1.01	47.22
Danevang	8.08	1.30	0.90	0.55	6.68	6.66	3.50	5.80	0.45	3.80	4.35	1.80	43.87
Del Rio	1.53	0.02	0.15	0.02	2.26	1.91	1.38	4.71	3.79	2.47	0.52	0.06	18.82
Denison (near)	3.50	0.46	0.57	4.55	4.61	1.46	1.00	5.55	3.07	2.96	1.60	1.08	30.38
Denton	3.50	0.42	2.28	1.82	11.01	6.76	5.24	5.74	3.12	6.13	1.76	2.65	49.94
Dialville	6.56	1.20	3.77	2.76	3.13	1.91	5.10	4.73	1.61	6.34	5.53	5.38	48.02
Dilley	1.72	0.85	0.75	1.10	6.22	5.33	4.44	2.59	0.28	1.80	0.83	0.02	25.93
Dublin	.....	.....	.....	.....	.....	2.25	0.30	.....	.....	1.24	3.38	1.82	.....
Eagle Pass	2.30	T.	0.07	0.05	2.95	1.27	5.69	3.11	1.13	1.86	0.78	0.06	19.27
Eastland	2.74	0.88	0.50	0.10	9.40	.....	.....	.....	5.78	1.97	3.54	0.63	.....
Edna	7.55	0.79	0.44	0.40	6.65	6.76	1.51	5.78	0.11	2.21	2.32	1.21	35.13
El Paso	1.06	0.83	0.22	0.03	0.03	0.99	0.84	1.33	0.31	0.57	T.	T.	6.21
Encinal	3.38	0.38	0.36	T.	2.64	1.08	0.67	2.78	1.92	.....	1.24	0.00	.....
E V Ranch	1.50	0.00	0.00	0.00	2.25	2.25	2.00	4.75	0.50	0.00	0.00	0.00	13.25
Fairland	2.89	0.43	1.66	0.12	3.15	3.29	1.31	7.72	1.11	3.47	4.35	0.34	29.84
Falfurrias	2.63	0.35	T.	0.07	2.81	3.21	T.	1.86	0.25	2.73	0.69	T.	14.60
Finley	6.90	1.55	4.40	1.15	7.45	4.50	6.80	2.75	1.15	5.20	2.35	4.40	48.60

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Flatonia	9.05	1.30	0.66	0.28	2.91	2.52	0.45	7.24	1.04	3.26	2.50	0.99	32.20
Flint	5.26	1.16	2.17	3.50	5.28	2.08	6.99	7.23	0.31	6.44	4.15	2.99	48.06
Floresville	3.84	0.42	0.35	T.	4.15	4.57	1.04	2.90	T.	1.60	1.41	T.	20.28
Fort Clark	1.95	0.01	0.50	0.04	2.97	0.94	5.28	3.70	2.40	1.50	0.40	0.00	19.69
Fort Davis	1.78	0.35	.....	0.22	2.62	3.41	1.75	9.97	1.04	0.66	1.31	0.00	.....
Fort McIntosh	1.82	0.08	0.24	0.05	2.25	1.52	1.18	2.90	2.13	1.05	0.82	0.02	14.06
Fort McKavett (near)	2.62	0.28	0.33	0.00	1.86	2.03	3.15	6.50	3.10	2.42	1.58	0.07	23.94
Fort Stockton	2.50	0.38	T.	0.37	0.68	2.50	2.20	8.12	1.75	1.85	1.04	0.00	21.39
Fort Worth	3.48	0.76	4.42	0.51	8.66	2.33	3.49	4.22	2.76	6.52	1.70	1.31	40.16
Freeport	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.25	4.90	4.47	.....
Gainesville	1.70	0.58	1.76	3.66	6.78	3.79	3.44	8.51	7.31	5.12	1.75	1.57	45.97
Galveston	7.09	1.80	1.77	0.70	3.86	6.68	3.21	2.65	2.86	7.92	3.64	6.49	48.67
Garden City	2.05	0.21	0.10	0.02	0.99	1.46	1.23	6.38	3.10	0.60	2.96	0.12	19.22
Gatesville	2.48	1.55	2.75	1.00	7.65	7.15	3.60	14.50	9.90	3.25	5.30	2.00	61.13
Georgetown	5.46	0.62	0.97	0.41	3.58	4.66	2.72	6.13	1.29	2.68	3.46	0.66	32.64
George West	2.55	0.00	0.30	0.92	4.60	2.87	0.55	1.60	0.00	1.51	3.95	0.00	18.85
Goliad	4.59	0.71	0.60	0.35	4.68	3.38	0.69	4.36	0.91	1.32	1.90	0.81	24.30
Gonzales	5.47	0.68	0.30	0.74	6.37	4.24	0.38	2.91	0.45	1.94	1.91	0.31	25.70
Graham	2.88	.....	.....	.....	9.38	5.90	2.24	2.67	2.21	4.92	1.49	0.67	.....
Greenville	4.57	1.03	4.07	1.37	11.99	3.44	0.50	6.89	1.76	7.04	2.66	3.33	48.65
Groesbeck	5.45	1.12	1.44	2.01	2.57	2.45	1.41	6.45	3.83	4.99	4.81	1.90	38.43
Hallettsville	6.83	0.93	0.32	0.80	3.63	2.31	2.04	5.19	0.10	2.12	3.36	0.96	28.59
Hamilton	3.00	0.90	0.95	1.35	3.73	5.88	2.05	5.80	4.50	1.90	3.85	0.70	34.61
Hamlin	.....	.....	.....	1.80	.....	.....	.....	14.42	2.78	.....	2.40	.....	.....
Harlingen	1.24	0.42	0.34	0.03	1.89	3.09	0.00	0.35	2.09	1.35	1.32	0.00	12.12
Haskell	2.20	0.74	0.48	1.05	6.02	2.88	2.58	8.42	2.13	3.43	2.74	0.18	32.85
Hebbronville	1.16	0.19	0.05	0.00	1.85	4.66	0.00	1.66	0.00	0.93	2.18	0.00	12.68
Hempstead	7.30	.....	.....	.....	.....	.....	.....	7.69	1.46	5.22	2.49	.....	.....
Henderson	6.40	1.17	2.92	3.09	3.32	1.80	7.16	2.23	1.12	8.02	3.98	4.70	45.91
Henrietta	2.12	0.45	0.55	2.03	4.32	4.55	2.10	7.75	3.85	6.75	2.60	1.55	38.62
Hewitt	4.21	1.29	1.27	0.25	3.93	3.64	3.03	5.80	3.57	2.93	4.79	0.85	35.56
Hico	3.04	1.02	2.22	0.30	5.56	4.11	1.48	6.01	4.72	2.84	3.03	1.07	35.40
Highbank	7.15	1.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hillsboro	4.77	0.58	1.80	0.60	3.68	4.57	6.13	5.84	2.95	2.10	3.95	1.27	38.24
Hill's Ranch	5.43	0.41	1.33	1.25	7.04	3.98	0.68	3.63	2.00	3.65	3.02	1.17	33.59
Hitchcock	6.15	1.92	2.22	1.15	2.57	11.35	5.33	9.06	4.04	9.30	3.73	6.26	63.08
Honey Grove	5.31	0.61	4.00	2.83	16.27	3.20	3.43	7.38	2.48	6.90	1.81	3.25	57.47
Hondo	3.02	0.25	1.50	0.34	3.81	3.54	2.67	4.18	1.73	1.46	2.84	0.16	25.50
Houston	6.44	1.20	2.31	0.39	4.79	3.81	3.84	11.26	4.30	9.04	6.07	3.98	57.43
Huntsville	8.90	2.55	1.65	1.15	5.12	5.80	3.18	5.15	1.35	3.33	3.45	3.55	45.38
Index	6.68	1.61	3.89	4.19	10.36	1.61	3.57	5.21	1.49	6.47	1.76	5.35	52.19
Jefferson	6.99	1.35	3.91	3.12	4.65	3.94	3.76	3.74	1.09	4.89	5.46	5.35	48.25
Jourdanton	4.03	1.17	0.53	0.12	5.04	3.15	4.53	3.12	0.00	3.19	3.96	0.00	28.84
Junction	3.15	0.50	1.60	0.00	5.41	1.95	5.11	4.53	3.45	1.56	1.65	T.	30.91
Karnes City	3.88	0.87	0.26	0.70	5.83	1.43	1.08	1.06	0.62	2.52	3.24	0.00	21.48
Kaufman	4.30	0.88	2.12	3.79	8.36	3.23	2.82	7.44	3.28	6.18	2.92	2.59	47.91
Kerrville	2.26	0.51	1.26	0.70	3.84	5.14	0.70	7.71	1.26	2.77	3.27	0.23	29.65
Knickerbocker	1.91	0.35	0.05	0.00	0.90	3.70	1.55	6.57	2.35	1.40	0.80	0.00	19.58
Kopperl	4.30	0.90	0.60	T.	2.40	4.60	3.30	5.20	3.40	2.40	3.80	1.00	31.60
La Grange	7.23	0.82	0.90	0.28	5.55	4.60	1.24	4.06	0.56	4.31	2.39	0.79	32.73
Lamesa	0.94	0.56	0.12	T.	3.30	1.72	1.37	14.19	1.41	1.14	1.77	0.00	26.52
Lamkin	3.40	0.59	1.25	0.19	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lampasas	3.07	0.57	1.35	0.25	4.30	5.65	1.89	7.23	6.40	3.14	5.60	0.31	39.76
La Parra	2.25	0.15	0.58	0.25	7.62	3.22	0.00	1.25	0.58	2.00	2.55	0.25	21.30
La Pryor	2.29	0.20	1.02	0.04	1.55	4.53	.....	.....	0.65	1.65	1.26	0.08	.....
Laredo	1.87	0.11	0.21	0.05	2.15	1.49	0.68	0.79	1.20	1.65	0.80	0.01	11.01
Liberty	6.22	2.05	2.24	0.33	6.25	6.19	3.24	9.64	1.18	9.87	4.06	3.09	55.28
Lieb	0.70	0.02	0.12	1.08	1.64	1.09	2.44	.....	3.02	2.67	1.08	0.99	.....
Llano	3.92	0.26	0.86	0.12	6.43	3.54	1.00	7.53	1.59	1.53	3.67	0.31	30.76
Long Lake	.....	.....	1.91	1.15	2.66	2.18	4.33	8.12	2.13	10.35	4.75	.....	.....
Longview	5.27	.....	4.87	4.09	5.75	4.07	4.51	5.28	1.41	4.71	4.53	3.75	.....
Lubbock	1.27	0.11	0.24	0.15	2.91	3.66	2.19	2.64	1.63	1.43	2.22	0.09	18.54
Lufkin	8.87	1.32	2.30	5.20	2.23	4.82	2.86	5.64	1.48	3.24	4.13	3.30	45.39
Luling	5.11	0.68	0.50	0.79	6.04	2.65	0.63	3.88	0.15	2.50	2.16	0.55	25.64
McGregor	4.68	1.00	2.17	0.90	4.55	3.97	5.50	7.26	3.60	2.30	4.80	1.10	41.83
McKinney	4.70	0.90	4.11	2.55	8.22	5.57	2.48	8.51	1.70	5.33	1.65	1.82	47.54
Madisonville	7.07	0.20	1.70	0.21	2.85	4.83	.....	4.53	5.42	6.46	2.80	3.47	.....
Marble Falls	3.25	0.32	1.49	0.33	5.20	1.34	1.78	6.24	0.80	2.10	3.89	0.44	27.18
Marshall	5.75	2.52	3.61	4.25	5.45	2.94	3.66	4.17	1.55	3.02	3.97	5.49	46.38
Matagorda	6.50	1.41	0.73	1.75	5.08	3.43	2.63	5.75	2.47	4.05	5.11	4.31	43.22
Mathis	3.19	0.25	0.48	0.31	3.55	5.42	1.66	1.42	0.15	1.40	2.53	0.37	20.73
Memphis	1.05	0.23	0.71	0.70	5.49	1.73	1.15	7.50	4.66	2.82	1.47	0.90	28.41
Mercedes	0.88	0.66	0.22	0.00	3.05	4.13	0.35	0.04	0.10	6.02	2.46	0.00	18.51
Mexia	5.26	0.74	2.04	1.05	2.64	3.48	2.43	7.07	2.82	3.40	5.12	1.84	37.89
Miami	1.40	0.15	0.90	0.57	4.76	1.83	2.77	4.46	5.45	1.57	0.66	1.96	26.48
Midland	2.68	.....	T.	0.08	3.13	.....	3.56	13.03	0.70	1.70	2.50	0.15	.....
Mission	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.55	1.90	0.00	.....
Montell	2.40	0.15	0.46	0.28	3.25	4.14	2.18	4.26	0.96	3.66	1.15	0.00	22.89
Morris Ranch	.....	.....	.....	.....	.....	.....	0.47	11.31	1.52	2.89	3.16	0.14	.....
Mount Pleasant	8.46	1.52	4.52	2.46	7.32	2.92	6.44	3.32	1.70	4.85	1.55	3.80	48.86
Munday	1.78	0.57	0.14	1.60	7.57	2.47	0.35	6.10	4.43	5.55	2.11	0.20	32.87
Nacogdoches	6.93	1.17	5.33	4.94	4.57	3.06	4.74	6.83	1.47	3.51	4.66	5.69	52.90
Navasota	7.00	0.92	1.24	0.11	4.94	2.68	4.53	5.52	1.76	6.32	3.05	3.09	41.16
New Braunfels	3.64	0.42	0.84	1.00	3.98	3.12	0.14	6.98	0.88	2.02	2.68	0.18	25.88
Orange	7.50	3.15	3.53	1.29	4.68	7.28	5.94	5.11	1.95	4.21	3.86	7.99	56.49
O 2 Ranch	1.85	0.25	T.	0.15	1.67	0.90	1.35	13.45	2.30	1.35	1.50	T.	24.97
Paint Rock	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.03	1.17	0.15	.....
Paducah	1.01	0.60	0.81	1.48	5.87	2.12	1.42	9.53	3.22	5.52	2.18	0.63	34.39
Palestine	7.10	1.02	1.95	1.16	2.71	2.83	3.71	7.63	3.07	5.80	4.64	3.45	45.12
Panhandle	2.00	0.00	0.75	0.65	2.20	1.45	1.05	4.25	3.75	2.05	2.05	1.20	21.40
Paris	6.14	0.98	4.58	5.26	14.29	5.02	3.26	5.27	2.29	7.97	2.00	3.72	60.78
Pearsall	2.31	0.00	0.57	0.75	6.26	2.73	3.48	1.02	T.	3.10	0.90	0.00	21.12
Pierce	5.79	0.62	0.93	0.55	6.04	4.87	2.11	7.94	1.64	4.09	5.22	6.11	45.91
Plainview	1.06	0.56	0.29	0.39	4.06	3.37	2.45	4.01	2.48	3.65	2.23	1.43	25.98

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Port Arthur	6.96	2.55	2.57	0.97	5.63	10.12	8.60	4.78	3.02	5.37	3.37	8.26	62.20
Post	1.07	1.90	0.15	1.31	3.86	1.46	2.09	12.21	2.87	1.64	2.52	T.	31.08
Putnam	3.20	0.80	0.00	0.00	8.63	1.66	1.93	5.01	4.15	2.38	2.35	0.60	30.71
Quanah	0.75	T.	2.06	1.73	4.28	3.35	1.07	7.27	6.18	3.80	0.90	0.71	32.10
Raymondville	1.09	0.56	.....	.....	1.49	4.68	0.94	0.93	0.90	2.66	1.71	0.03	.....
Ricardo	2.21	0.17	0.11	T.	4.72	2.56	1.20	0.05	1.07	3.47	1.59	T.	17.15
Ringo Crossing	4.66	0.99	3.90	4.42	10.93	4.91	5.30	4.19	1.03	6.90	1.87	3.70	52.89
Rio Grande	0.30	0.50	0.60	0.00	4.90	1.70	0.00	0.80	0.90	1.30	0.70	0.00	11.70
Riverside	8.27	1.39	1.66	1.59	5.35	5.53	3.21	13.82	3.29	4.03	3.12	3.67	54.93
Rochelle	2.56	0.50	0.56	0.30	2.72	2.51	1.95	4.44	2.08	2.17	3.70	0.17	23.66
Rockland	6.70	0.93	3.85	0.65	1.85	1.85	3.59	9.83	1.20	2.78	3.30	4.27	40.80
Roosevelt	.....	0.00	0.71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Romero	0.75	1.09	0.28	0.73	3.32	3.78	2.15	0.95	0.97	5.61	0.13	0.51	20.27
Rossville	3.76	0.29	0.38	0.26	4.70	5.15	2.44	4.93	T.	2.89	1.57	0.05	26.42
Rosenberg	8.00	0.56	0.66	1.40	5.57	4.17	3.54	6.45	0.50	4.19	2.90	2.06	40.00
Runge	3.42	0.71	0.31	0.29	6.15	5.93	1.85	1.20	0.00	2.48	2.91	0.37	25.62
Sabinal	3.03	0.10	1.13	0.29	1.53	2.90	2.86	2.45	1.88	2.63	1.59	0.13	20.52
San Angelo	2.43	0.35	0.26	0.00	1.96	4.28	0.59	6.29	1.65	1.74	0.83	0.13	20.51
San Antonio	3.36	0.27	0.83	1.09	2.42	2.83	0.39	2.26	0.15	2.85	2.95	0.16	19.56
San Benito	.....	.....	.....	0.03	.....	5.13	0.01	1.80	1.50	4.05	1.49	0.04	.....
San Marcos	.....	0.00	1.10	0.60	10.50	5.84	0.70	6.19	1.08	2.10	3.03	0.16	.....
Santa Gertrudis	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.46	1.80	0.00	.....
Sealy	8.15	0.88	0.88	1.19	3.09	3.14	4.18	7.54	0.47	4.89	4.89	1.43	40.73
Sherman	3.34	0.42	2.78	3.87	6.97	3.86	3.53	11.62	3.55	5.13	1.94	1.83	48.84
Smithville	6.84	0.48	0.67	0.50	8.21	4.06	1.95	3.14	0.27	3.56	2.33	0.29	32.30
Snyder	1.08	0.25	T.	T.	4.66	4.01	0.50	11.27	2.37	1.55	0.22	0.00	25.91
Somerville	7.50	0.75	1.60	1.55	5.10	3.10	2.40	5.15	0.60	11.75	2.55	2.85	44.90
Spearman	.....	.....	.....	.....	.....	.....	.....	2.30	2.59	2.73	1.10	1.12	.....
Spur	1.16	0.45	0.27	0.93	5.47	4.85	0.45	8.53	2.57	2.78	2.35	0.19	30.00
Stamford	.....	.....	.....	2.10	8.45	.....	.....	.....	3.80	.....	.....	.....	.....
Stephenville	4.38	0.65	2.39	2.39	6.97	1.88	1.82	5.56	4.71	3.93	3.15	0.83	38.66
Sugarland	7.63	1.07	1.59	1.79	7.26	.....	0.69	8.15	2.53	6.46	3.77	3.40	.....
Taylor	5.52	0.46	1.30	0.60	5.37	3.97	2.24	4.25	0.69	9.83	2.60	0.88	37.71
Temple	4.70	0.56	1.82	0.61	3.99	1.88	1.80	7.86	4.56	3.99	4.95	0.86	37.58
Trinidad	5.77	0.89	1.82	0.71	4.04	2.97	3.53	6.53	2.90	5.16	4.29	1.62	40.23
Troup	6.32	1.22	3.35	3.40	3.41	1.81	8.92	5.24	1.36	4.74	4.42	4.39	48.58
Uvalde	2.25	0.25	0.28	0.06	2.45	2.93	0.80	3.30	1.75	1.47	1.24	0.16	16.94
Valley Junction	5.94	1.00	1.33	0.59	6.67	3.05	1.46	8.47	2.14	9.38	3.60	0.85	44.48
Vernon	1.83	0.97	2.07	3.64	.....	.....	.....	.....	.....	.....	2.20	0.20	.....
Victoria	5.86	0.88	0.52	0.54	4.82	3.80	2.50	5.24	0.00	1.40	2.45	0.72	28.73
Waco	4.72	0.88	1.27	0.37	5.75	3.07	2.53	6.29	2.88	2.66	5.02	1.08	36.52
Waxahachie	5.40	0.75	2.50	1.17	7.00	1.80	2.09	4.20	4.49	4.00	4.55	1.95	39.90
Weatherford	3.70	0.61	2.36	0.57	7.61	3.16	4.71	2.89	2.69	3.96	1.76	0.88	34.90
Whitsett	2.63	0.63	0.46	1.30	2.86	2.32	5.53	1.94	0.00	1.42	1.92	0.00	21.01
Wichita Falls	2.20	0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Willis	6.75	1.70	2.35	0.35	3.80	4.80	3.80	5.78	0.45	4.25	3.75	3.00	40.78
Wills Point	5.31	0.91	2.84	2.46	4.85	3.34	4.36	2.57	2.24	7.39	2.53	2.34	41.14
Winfield (near)	8.24	2.21	5.58	2.28	12.37	2.82	4.67	6.59	1.74	5.18	3.05	3.10	57.33
Winters	2.50	.....	0.00	1.30	2.27	2.17	0.88	1.26	.....	.....	.....	.....	.....
Woodsboro	3.69	.....	0.90	0.19	4.04	2.48	2.26	3.60	0.00	.....	1.24	0.00	.....
Yoakum	5.34	0.81	0.55	0.24	10.81	4.76	1.49	4.78	0.00	1.78	2.73	0.44	33.73
Utah.													
Alton	1.09	3.26	3.33	0.34	1.01	0.69	0.74	2.32	0.60	3.46	0.40	0.67	17.91
Alpine	0.50	0.90	3.30	2.19	2.12	0.15	0.34	1.10	1.09	4.03	1.40	2.79	19.91
Alunite	0.04	1.09	0.86	1.58	0.95	0.78	1.37	2.31	0.30	2.41	0.54	0.74	12.97
Baker Ranger Station	1.25	3.19	2.20	.....	1.86	1.40	T.	1.48	0.92	2.72	2.44	1.02	.....
Beaver	0.60	0.90	4.30	5.00	0.20	1.00	1.60	1.50	T.	3.40	1.40	2.30	21.20
Benmore	0.86	1.76	3.71	2.34	1.76	0.32	0.85	1.03	0.42	3.19	0.77	0.87	17.88
Big Plains	1.45	3.50	2.93	1.45	1.90	.....	2.75	0.00	0.25	2.29	0.53	0.33	.....
Black Rock	0.10	0.70	1.20	.....	.....	.....	.....	.....	.....	2.65	T.	1.11	.....
Black's Fork	0.74	1.20	2.61	3.40	2.00	1.00	1.26	2.13	1.46	2.63	1.81	3.19	23.43
Blanding	1.97	2.91	1.22	0.05	1.54	0.76	T.	1.76	0.79	1.28	1.65	0.47	14.40
Bluff	1.52	2.32	0.56	0.21	0.56	0.80	0.04	0.23	0.33	1.17	0.54	0.37	8.65
Boneta	.....	.....	.....	.....	.....	T.	T.	.....	.....	.....	.....	.....	.....
Brigham City	.....	.....	.....	2.55	1.68	0.38	0.30	2.27	1.30	4.07	1.69	1.59	.....
Cannonville	.....	.....	.....	0.24	0.82	.....	.....	.....	.....	.....	T.	0.75	.....
Castle Dale	0.57	0.70	0.52	0.44	0.57	0.32	0.19	0.98	0.13	2.00	0.24	0.50	7.16
Castle Rock	0.43	0.96	2.36	2.34	1.71	1.43	0.37	0.67	1.42	3.50	1.16	1.10	17.45
Cedar City	0.98	1.64	3.20	1.70	0.68	0.59	1.47	2.07	.....	.....	.....	.....	.....
Cedar Fort	0.32	2.11	1.18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clarkston	0.30	0.55	1.60	2.86	1.42	0.35	0.25	1.80	0.70	4.35	1.35	0.86	16.39
Corinne	0.20	0.60	1.38	1.30	0.52	0.10	0.28	1.93	1.16	2.36	0.99	0.70	11.52
Cottonwood Nursery	.....	.....	.....	.....	.....	.....	0.90	3.62	1.78	5.20	.....	.....	.....
Cottonwood Sevier	.....	.....	.....	.....	.....	.....	.....	.....	0.90	1.00	.....	.....	.....
Cottonwood Weir	1.20	1.76	4.42	4.59	2.29	0.37	0.62	1.72	1.73	4.25	2.29	2.25	27.49
Delle	0.08	0.43	2.35	1.36	0.41	T.	0.59	0.36	T.	1.95	0.88	0.14	8.52
Deseret	1.17	0.51	1.25	0.95	1.33	0.25	0.05	0.56	0.15	1.69	0.44	0.95	9.30
Dry Gulch Ranger Station	0.38	.....	.....	0.90	0.81	0.10	2.99	3.52	1.25	3.30	2.40	.....	.....
Duchesne	0.90	0.62	0.66	1.08	0.74	T.	0.78	1.31	0.58	2.07	0.40	0.50	9.64
East Portal	0.80	1.98	4.42	2.82	1.45	0.48	0.66	3.05	1.51	2.85	0.80	2.11	22.93
Elberta	0.88	0.78	1.75	2.34	1.88	0.30	0.19	1.82	0.43	3.00	1.24	0.34	14.95
Elkhorn-Ashley	.....	.....	.....	.....	.....	.....	0.49	1.13	1.17	2.00	1.20	0.30	.....
Emery	0.35	0.30	T.	0.25	0.60	0.50	0.15	0.85	0.25	0.97	0.00	0.50	4.72
Enterprise	1.30	4.23	5.92	0.67	0.86	1.43	2.30	1.17	.....	.....	.....	.....	.....
Erekson	1.61	1.10	3.33	1.65	2.20	0.07	0.84	1.42	0.54	2.16	.....	.....	.....
Escalante	0.71	1.17	1.60	.....	0.60	0.25	0.00	.....	.....	.....	.....	.....	.....
Farmington	.....	.....	.....	.....	.....	.....	0.81	1.23	2.46	4.64	2.86	1.95	.....
Fillmore	1.21	0.92	2.89	4.03	2.14	0.28	0.28	0.26	0.32	3.94	0.63	3.27	20.17
Fort Duchesne	.....	.....	1.45	1.35	1.04	0.29	0.16	1.02	0.35	2.17	0.65	.....	.....
Fruitland	0.55	1.59	1.69	1.56	1.67	0.60	0.93	3.48	0.55	3.33	0.35	0.68	16.98
Garland	0.21	0.60	1.72	3.25	1.12	0.16	0.19	1.90	1.69	3.15	1.20	1.01	16.29
Government Creek	1.30	0.63	2.74	1.41	2.62	0.20	0.74	0.89	0.37	3.00	0.25	2.09	16.24
Grantsville	1.30	0.60	2.31	1.85	1.76	0.26	0.73	0.88	0.10	3.50	0.70	0.89	14.88
Great Basin Experiment Station	1.60	1.88	7.20	11.70	2.17	1.09	0.59	2.81	1.47	3.90	0.98	2.60	37.30

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Utah—Continued.													
Great Basin Experiment Station, Alpine	1.40	2.20	7.12	7.42	1.65	0.85	0.88	2.68	1.41	3.50	3.05	2.25	34.41
Great Basin Experiment Station, Oak Brush	1.11	1.16	4.80	3.16	1.80	0.78	0.72	2.64	0.52	2.98	1.06	.....	.....
Green River	0.32	0.75	0.87	0.60	0.13	0.40	0.17	0.75	0.49	1.36	0.44	0.43	6.71
Hanksville	0.26	0.09	0.18	0.00	0.01	0.91	0.00	0.92	0.00	0.59	0.48	0.40	3.84
Hatch	0.44	1.83	1.98	0.31	0.76	0.74	0.69	0.98	0.99	1.76	0.36	0.08	10.92
Heber	0.15	2.50	4.30	3.20	1.45	0.11	0.55	0.95	1.70	4.30	1.87	1.55	22.63
Henefer	0.95	0.68	3.84	2.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
High Line City Creek	1.67	0.91	6.25	5.82	5.09	T.	0.30	2.35	2.62	4.59	2.62	4.24	36.46
Hole-in-the-Rock	1.28	.....	.....	.....	.....	.....	1.16	1.60	0.93	2.94	0.37	0.67	.....
Huntsville	.....	.....	.....	4.38	1.40	T.	0.20	1.38	1.84	4.33	1.76	2.20	.....
Hurricane	2.20	3.97	1.38	0.37	0.50	0.50	0.08	0.57	0.21	2.70	0.05	0.70	12.73
Ibapah	0.82	0.58	2.66	2.74	3.20	0.40	1.79	1.37	0.88	2.04	0.65	0.74	17.87
Joseph	.....	0.37	0.29	1.05	.....	0.52	.....	1.17	0.22	1.33	0.63	0.75	.....
Jozella Ranch	.....	.....	1.19	0.22	0.79	1.08	2.93	1.46	T.	2.06	T.	0.06	.....
Kanab	0.60	3.30	1.41	0.50	0.54	0.08	0.00	0.50	0.83	2.41	0.13	0.92	10.62
Kanosh	0.86	0.93	2.18	4.80	1.46	0.94	0.32	0.50	0.19	4.13	1.00	1.95	19.26
Kelton	0.00	0.22	1.45	1.36	1.06	0.43	0.45	0.64	0.13	1.91	0.19	0.60	8.44
Koosharem	0.00	0.75	0.74	1.58	.....	.....	0.10	.....	.....	.....	.....	0.90	.....
Koosharem Ranger Station	.....	.....	.....	.....	.....	0.80	0.91	2.41	.....	.....	.....	.....	.....
Laketown	0.95	0.92	1.12	1.59	1.28	0.50	0.35	1.17	0.65	3.43	0.32	0.52	12.80
La Sal	1.13	2.11	0.90	1.00	.....	0.75	0.90	1.70	1.10	.....	0.74	1.10	.....
Leeds (near)	1.45	3.39	2.67	0.66	0.58	0.52	T.	0.64	0.20	2.56	0.00	1.25	13.92
Lehi	0.65	2.12	2.09	2.05	1.48	0.15	0.10	1.55	1.20	2.57	0.57	1.96	16.59
Lemay	0.15	0.19	0.30	1.35	0.35	0.25	0.00	0.15	0.00	0.27	0.00	0.20	3.21
Levan	1.13	1.68	3.08	1.59	1.26	0.45	0.60	3.60	0.95	3.63	0.76	1.59	20.32
Lockerby	1.61	3.32	1.96	0.55	1.81	1.08	0.32	0.93	1.22	2.89	2.39	0.56	18.64
Logan	0.26	1.24	2.73	3.08	0.94	0.28	0.19	1.38	1.57	4.70	1.36	1.51	19.24
Lone Tree	0.10	0.37	0.87	1.61	1.38	0.24	0.16	1.17	0.13	1.48	0.30	0.19	8.00
Lowder Ranger Station	.....	.....	.....	.....	.....	1.86	3.33	3.21	1.02	0.90	.....	.....	.....
Lower American Fork	1.26	2.39	2.93	2.54	3.03	T.	0.38	1.85	1.41	3.98	1.16	2.41	23.34
Lower Mill Creek	1.54	1.79	4.25	3.88	1.60	0.28	0.70	1.51	1.25	4.67	2.73	2.00	26.20
Lucin	T.	0.06	0.63	0.90	1.30	0.20	0.35	0.05	0.03	0.80	0.20	0.60	5.12
Lund	0.23	1.12	0.82	0.02	0.76	.....	.....	.....	.....	.....	.....	0.27	.....
McCormick	1.74	1.10	2.78	1.72	.....	0.63	0.00	0.55	0.31	2.45	.....	.....	.....
Mammoth Ranger Station	.....	.....	.....	.....	.....	.....	0.55	3.08	1.77	.....	.....	.....	.....
Manila	0.46	0.45	0.45	1.03	0.36	0.54	0.62	1.06	1.35	1.96	0.72	0.49	9.49
Manti	0.35	0.72	2.22	2.91	1.44	0.76	0.24	1.35	0.46	2.80	0.36	0.97	14.58
Maplewood	1.02	2.20	3.31	3.57	2.65	0.49	0.71	2.19	2.31	4.75	1.80	2.30	27.30
Midlake	0.02	0.05	1.53	0.50	0.00	T.	0.00	0.11	0.05	0.66	0.50	0.21	3.63
Midvale	1.37	1.71	4.06	3.20	2.81	0.53	0.64	0.77	1.24	4.03	3.08	1.05	24.49
Milford	1.08	0.95	1.59	2.29	1.14	0.31	0.36	1.54	0.03	2.27	0.30	1.31	13.17
Mills	0.22	1.15	.....	.....	2.09	0.71	0.65	1.15	0.04	1.76	0.49	0.48	.....
Millville	0.23	1.35	2.46	2.93	0.92	T.	0.30	1.20	1.03	4.65	.....	.....	.....
Moab	0.59	1.46	0.54	1.30	0.08	0.44	0.26	0.79	0.32	1.73	0.40	0.44	8.35
Modena	0.44	1.67	1.84	0.44	1.67	0.59	1.82	0.81	0.22	2.40	0.10	0.25	12.25
Mohrland	0.60	1.50	1.85	1.00	1.00	1.00	1.00	.....	1.00	.....	1.60	.....	.....
Monticello	1.30	4.55	1.75	0.69	1.46	1.19	0.00	1.13	.....	.....	.....	.....	.....
Morgan	0.20	0.90	3.56	3.30	2.31	0.21	0.37	1.21	2.55	5.49	2.53	4.40	27.03
Moroni	0.68	1.04	2.14	2.64	0.83	0.59	0.52	1.16	0.51	1.80	0.16	0.96	13.03
Mosida	0.70	1.39	1.56	1.50	1.82	0.17	0.14	2.11	0.71	2.11	0.85	0.25	13.31
Mountain Dell	0.89	1.57	4.33	3.93	1.60	0.34	0.19	1.10	1.35	3.09	2.41	1.65	22.75
Mountain Ranch Ranger Station	.....	.....	.....	.....	.....	0.60	0.59	1.25	0.54	.....	.....	.....	.....
Myton	0.51	0.47	0.58	1.12	0.98	0.21	0.28	1.51	0.29	1.62	0.48	0.11	8.16
Nada	0.88	1.43	2.59	0.89	1.64	0.41	0.70	2.17	0.27	1.78	0.32	1.12	14.20
Nephi (near)	0.73	1.21	2.34	2.38	1.21	0.63	0.81	2.14	0.59	2.64	0.89	0.71	16.28
New Harmony	1.96	5.74	4.42	.....	.....	1.54	1.90	2.32	0.00	3.24	T.	1.34	.....
Oak City	1.17	1.01	1.92	2.09	2.15	0.77	0.04	0.96	0.80	3.24	0.62	1.79	16.56
Ogden	0.75	1.17	3.00	3.30	1.51	0.29	0.25	2.07	1.95	3.82	1.60	1.53	21.24
Orderville	2.04	3.83	2.78	0.51	0.47	0.65	0.24	2.84	0.30	2.23	0.38	0.70	16.97
Panguitch	.....	.....	2.45	0.60	0.15	0.95	1.24	1.06	.....	.....	.....	.....	.....
Park City	.....	1.20	2.79	.....	0.87	T.	0.34	1.06	1.35	3.42	1.80	2.40	.....
Park Valley	T.	0.76	1.01	1.69	1.32	0.16	0.67	1.25	0.54	2.68	0.69	1.14	11.91
Parowan	0.70	0.88	2.45	1.45	0.78	0.67	1.17	2.04	0.72	2.25	1.45	0.77	15.33
Payson	1.15	1.22	2.38	3.00	1.28	0.14	0.38	2.46	1.10	4.11	1.63	1.15	20.00
Pine Valley	1.12	.....	.....	.....	.....	1.43	1.33	.....	.....	.....	.....	0.70	.....
Pine View	0.68	0.46	.....	.....	.....	.....	.....	.....	0.70	2.90	2.15	0.90	.....
Pinto	1.25	2.03	4.35	1.41	0.45	1.06	1.07	1.00	0.86	3.19	0.14	1.70	18.51
Pinte Dam	T.	0.44	0.29	0.50	0.61	0.69	0.13	2.13	0.41	2.16	1.08	0.58	9.01
Price	0.51	1.05	1.14	0.99	0.95	0.25	0.10	2.82	0.15	1.78	0.25	0.74	10.73
Provo	1.17	1.54	2.67	2.46	3.87	0.06	0.49	1.17	1.47	3.78	1.25	1.89	21.82
Provo Bench	.....	.....	3.22	2.42	3.42	T.	0.59	1.51	1.42	4.16	1.08	2.01	.....
Randolph	0.05	0.57	0.87	0.72	0.80	0.23	0.90	0.50	0.95	2.10	0.15	1.21	9.05
Richfield	.....	.....	.....	.....	0.72	0.65	0.13	1.77	0.20	1.55	0.40	0.80	.....
Richmond	0.80	1.10	3.51	4.32	1.06	0.60	0.45	1.35	2.03	4.78	1.79	1.98	23.77
Riverdale	0.32	0.74	1.71	1.68	1.28	0.07	0.00	0.00	1.43	2.49	1.16	1.05	11.93
Round Valley	.....	.....	.....	.....	1.14	0.40	0.32	1.20	0.17	1.42	0.66	1.81	.....
St. George	1.45	2.59	1.85	0.25	0.52	0.42	0.16	1.00	0.03	2.76	0.03	0.47	11.53
St. John	0.50	0.44	1.06	1.01	2.23	0.49	0.74	.....	0.47	2.05	T.	0.24	.....
Salduro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.24	0.13	.....
Saltair	.....	0.63	2.36	1.78	1.60	0.22	0.54	1.34	1.30	4.20	1.90	0.77	.....
Salt Creek	0.82	1.90	4.20	2.93	2.07	0.72	0.07	1.07	1.50	2.58	0.40	1.64	19.60
Salt Lake City	1.24	1.14	3.81	3.16	1.83	0.15	0.51	1.31	1.56	3.57	1.90	1.38	21.56
Santaquin	1.49	1.29	3.18	2.04	1.87	0.10	0.33	1.69	0.79	5.13	1.32	3.20	22.43
Scipio	0.57	1.19	1.67	1.67	1.53	0.75	0.03	0.78	0.39	2.06	0.71	1.21	12.56
Sells	1.96	1.15	3.50	2.40	1.58	.....	.....	.....	.....	.....	.....	0.77	.....
Silver Lake	1.31	3.27	12.46	7.63	0.84	0.25	1.65	3.42	2.26	8.58	3.91	5.26	50.84
Snake Creek	0.45	2.45	5.76	5.08	1.27	0.05	0.86	2.11	1.29	5.06	1.93	3.43	29.74
Snowville	0.00	0.20	2.66	2.63	2.23	0.36	0.40	1.41	1.24	4.00	1.00	1.49	17.62
Soldier Summit	0.20	0.71	3.25	1.94	.....	.....	.....	.....	.....	.....	0.50	.....	.....
Spanish Fork	1.15	1.71	2.95	3.60	1.72	0.31	0.51	2.01	1.49	3.77	1.76	1.80	22.78
Springdale	1.40	3.50	3.07	1.70	1.32	0.44	0.95	1.20	0.20	3.16	0.35	0.75	18.04
Standrod	0.12	0.33	2.08	2.78	2.29	1.29	0.68	1.34	1.12	.....	.....	.....	.....
Sunnyside	0.75	0.80	1.23	1.32	0.97	0.33	0.30	2.41	0.50	2.25	0.14	0.58	11.58

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
***Utah*—Continued.**													
Thistle	0.38	2.03	4.12	4.70	1.68	0.45	1.36	2.90	1.11	2.86	1.30	2.04	24.93
Thompsons	0.47	1.09	1.57	0.78	0.70	0.55	0.00	0.60	0.00	1.85	0.65	0.60	8.86
Tooele	1.53	1.29	4.37	4.90	1.60	0.51	1.27	0.75	0.21	4.16	1.52	2.30	24.41
Tremonton	0.57	0.11	2.21	2.31	1.06	0.35	0.28	1.81	1.56	3.35	1.04	0.87	15.52
Trout Creek Ranger Station	.....	.....	.....	.....	.....	.....	0.98	3.03	1.64	.....	.....	.....	.....
University of Utah	.....	.....	.....	.....	.....	.....	0.45	1.79	1.51	4.17	2.21	1.78	.....
Vernal	0.25	0.61	1.65	1.18	1.15	0.10	T.	1.96	0.14	1.13	1.45	0.20	9.82
Victor	0.18	0.93	0.73	0.41	1.15	0.25	T.	1.42	0.80	1.87	0.30	0.50	8.54
Warner Ranger Station	.....	.....	.....	.....	.....	.....	1.74	.....	.....	.....	.....	.....	.....
Watson (near)	0.02	0.14	1.30	1.18	0.36	T.	1.67	2.18	0.62	1.86	0.46	0.50	10.29
Wendover	0.30	0.62	0.64	0.13	1.09	0.50	0.16	0.50	0.05	.....	0.12	0.60	.....
Widtsoe	0.18	1.04	0.85	0.05	0.35	0.75	1.15	1.42	1.37	1.34	1.19	0.48	10.15
Winter-Quarters	0.43	1.27	2.93	2.96	1.03	0.69	0.56	2.32	1.58	2.71	0.61	1.52	18.81
Woodruff	0.03	0.35	0.57	0.72	1.95	0.33	0.60	0.17	0.46	1.59	0.70	0.36	7.63
Vermont.													
Bloomfield	1.53	2.35	2.65	5.91	1.62	1.63	10.02	3.20	5.09	1.85	3.49	5.62	44.96
Burlington	1.29	1.74	3.38	5.83	1.74	4.01	4.85	2.37	5.94	1.76	2.88	5.29	41.08
Cavendish	1.45	4.54	3.55	6.59	2.25	3.14	2.60	3.49	4.24	2.69	5.89	5.94	46.37
Chelsea	1.51	2.81	3.89	6.23	1.37	3.59	3.24	1.75	4.69	2.29	4.72	5.22	41.31
Cornwall	1.48	3.60	2.86	5.59	1.10	2.05	4.44	3.60	4.95	2.58	3.12	4.54	39.91
Enosburg Falls	1.41	1.16	3.14	5.60	1.08	4.02	6.86	2.00	4.47	2.57	3.50	4.90	40.71
Garfield	1.95	1.82	2.96	6.18	1.41	2.34	4.80	4.89	6.42	3.14	2.93	5.60	44.44
Northfield	1.24	2.05	2.52	5.12	1.28	3.60	3.70	2.19	5.56	1.80	4.20	4.35	37.61
Rutland	1.52	1.64	2.48	5.72	1.77	2.30	4.48	3.62	3.07	4.29	4.83	3.27	38.99
Somerset	2.56	6.93	4.28	6.76	1.94	6.70	3.96	4.55	3.38	6.10	9.41	5.56	62.13
St. Johnsbury	1.59	2.70	3.14	6.15	1.67	3.14	5.38	1.73	7.38	2.32	3.00	5.12	43.92
Vernon	1.35	2.15	2.09	6.34	2.03	3.93	2.21	4.78	6.55	1.09	2.82	3.96	39.30
White River Junction	1.60	3.52	2.32	6.17	3.22	2.94	4.24	3.37	2.68	3.59	4.68	4.65	42.98
Woodstock	1.71	3.88	4.76	6.47	1.77	3.20	2.88	3.22	5.59	0.82	5.37	5.68	45.35
Virginia.													
Arcola	2.44	3.70	2.34	4.61	1.36	4.60	4.10	9.89	3.27	0.97	4.42	2.79	44.49
Ashland	2.33	6.74	2.90	2.55	1.66	5.84	4.89	10.92	2.51	0.29	6.38	1.44	48.45
Blacksburg	2.59	3.47	3.56	3.21	3.24	4.08	7.05	4.18	3.99	0.04	7.84	2.90	46.15
Buchanan	2.33	3.29	3.35	3.30	1.86	4.03	3.95	8.34	2.00	0.36	4.93	3.97	41.71
Burke's Garden	4.82	2.81	3.23	4.27	2.88	5.83	4.22	5.75	3.77	0.70	5.28	3.22	46.78
Callaville	2.41	7.21	4.26	3.60	2.62	4.44	4.31	7.99	4.21	2.03	6.35	3.58	53.01
Cape Henry	2.29	7.92	3.76	5.16	1.00	5.29	6.31	5.83	2.98	1.58	2.93	4.36	49.41
Catawba Sanatorium	1.92	3.17	2.49	2.73	2.55	5.13	3.18	6.56	3.15	0.08	3.90	2.73	37.59
Charlottesville (near)	1.97	3.87	3.87	4.69	1.20	7.22	5.06	6.59	4.77	0.08	4.95	4.60	48.87
Clarksville	2.75	.....	.....	5.03	2.82	4.99	5.82	5.86	1.88	1.13	6.72	4.55	.....
Columbia	2.90	6.06	3.29	3.16	1.58	8.02	7.35	6.45	5.60	0.25	7.22	2.80	54.68
Culpeper	1.27	2.70	1.91	3.80	1.25	4.95	4.15	8.65	4.70	0.45	6.85	2.40	43.08
Dahlgren	.....	.....	.....	.....	1.24	6.04	4.57	8.30	3.18	0.55	5.89	2.32	.....
Dale Enterprise	2.03	1.76	2.54	3.51	1.46	2.79	4.49	5.89	2.70	0.19	3.39	2.76	33.51
Dante	4.03	3.05	5.10	4.63	1.54	6.86	3.37	4.77	3.52	0.47	3.07	4.19	44.60
Danville	2.76	3.85	3.79	4.73	2.88	6.56	3.63	8.86	1.90	0.48	7.64	4.87	51.95
Diamond Springs	1.98	8.03	4.41	4.57	1.90	7.50	3.85	11.41	3.90	1.10	4.90	4.15	57.70
Dry Bridge	2.19	6.68	3.21	.....	1.73	4.05	8.11	7.37	.....	.....	.....	.....	.....
Franklin	2.52	6.54	4.97	5.68	1.46	5.19	7.35	4.97	1.87	0.74	4.41	5.53	51.23
Fredericksburg (near)	3.75	4.20	3.98	4.14	1.90	6.37	2.60	11.95	3.03	0.63	5.21	3.84	51.60
Hawfield	2.31	5.95	3.46	4.95	1.14	5.96	5.43	7.91	6.05	0.70	6.42	2.34	52.62
Hopewell	2.58	7.47	4.20	2.22	1.84	6.89	.....	6.03	3.87	1.37	6.02	3.21	.....
Hot Springs	3.36	1.68	3.77	5.20	1.77	5.12	3.93	5.25	2.68	0.59	5.29	1.98	40.62
Ivanhoe	1.55	2.46	3.38	2.82	2.30	3.93	3.65	7.67	3.69	0.12	5.04	2.71	39.32
Langley Field	1.36	8.69	4.16	4.97	0.95	7.61	4.26	6.80	4.54	0.38	6.64	3.90	54.26
Lassiter	.....	.....	1.45	1.66	1.24	6.80	5.35	7.75	1.80	1.40	4.30	3.40	.....
Lawrenceville	1.72	6.01	4.10	4.35	4.30	4.95	4.30	6.62	3.25	1.65	6.75	4.15	52.15
Leeds Manor	2.46	3.62	3.95	3.61	1.05	4.61	3.59	7.56	4.67	0.65	4.72	3.07	43.56
Lexington	2.41	4.16	3.11	3.35	2.45	4.29	4.61	4.60	1.74	0.24	5.58	2.80	39.34
Lincoln	2.82	3.36	2.38	4.97	1.48	4.06	3.98	.....	2.07	0.94	4.46	2.93	.....
Lynchburg	1.64	4.03	2.82	3.53	0.79	5.12	4.82	6.76	4.51	0.10	7.14	2.34	43.60
Mayhurst	2.00	2.88	3.73	4.40	1.20	6.06	3.77	5.30	5.13	0.23	4.59	3.28	42.57
Mendota	3.99	3.28	5.46	4.10	2.45	7.02	5.66	8.14	3.92	0.94	3.55	4.29	52.80
Mineral (near)	2.38	4.54	3.81	4.57	1.02	5.02	4.43	5.79	3.57	0.27	3.90	2.97	42.27
Monterey (near)	2.50	3.34	4.06	3.98	3.06	3.08	.....	.....	.....	.....	.....	.....	.....
Mount Weather	2.00	3.97	3.44	4.76	3.25	4.92	4.94	6.05	3.63	0.24	4.48	2.28	43.96
Narrows	3.05	3.41	1.87	3.54	1.87	2.25	2.32	11.92	1.53	0.32	3.59	2.91	38.58
New Canton	2.75	6.68	3.48	3.85	1.29	6.06	6.13	8.07	4.77	0.24	7.14	3.52	53.98
Newport News	2.25	9.21	4.59	6.36	1.00	5.22	3.35	9.85	3.95	0.39	6.04	6.03	58.24
Norfolk	2.14	6.33	2.39	4.25	1.99	5.05	4.33	3.83	3.11	0.94	3.64	4.91	42.91
North Holston	3.61	2.02	3.44	.....	1.40	.....	.....	7.67	.....	.....	.....	.....	.....
Onley	2.45	6.90	5.72	3.18	0.50	5.15	6.79	.....	.....	0.90	5.92	3.22	.....
Pulaski	.....	.....	.....	.....	2.81	4.48	2.38	4.90	1.24	0.13	4.95	3.23	.....
Quantico	2.06	2.40	.....	3.80	1.17	.....	.....	.....	.....	.....	.....	1.50	.....
Radford	1.97	2.55	2.32	2.07	2.73	3.03	4.03	5.13	2.11	0.08	5.08	3.48	34.58
Randolph	1.50	5.22	3.51	3.56	1.64	5.30	.....	4.82	3.25	0.27	7.45	2.70	.....
Richmond	2.02	6.67	3.11	2.96	3.06	6.34	6.05	8.69	2.71	0.66	6.69	1.87	50.83
Roanoke	2.12	3.03	2.23	2.45	2.62	4.75	.....	6.73	2.82	0.22	6.41	2.81	.....
Rocky Mount	1.91	5.64	4.37	4.16	2.34	6.45	5.05	7.67	2.69	0.12	7.17	4.64	52.21
Runnymede	1.62	9.34	4.47	3.70	1.66	7.65	5.33	4.67	3.93	1.03	6.01	3.82	53.23
Speers Ferry	4.25	3.70	5.52	4.40	2.90	8.05	4.73	5.99	2.55	0.14	1.86	3.47	47.56
Staunton	2.56	3.94	3.84	3.47	1.60	4.19	7.29	7.80	2.90	0.24	5.41	2.41	45.74
Warsaw (near)	.....	6.47	1.80	2.67	1.92	4.85	2.95	5.98	2.00	1.40	6.00	.....	.....
West Point	1.67	5.93	3.47	2.06	0.97	6.44	4.72	10.43	2.33	0.95	5.66	2.96	47.59
Williamsburg	2.33	8.29	4.70	3.12	1.36	6.05	9.03	5.82	2.19	1.54	5.96	3.11	53.50
Winchester	2.05	2.23	2.74	3.33	1.37	3.56	4.75	5.73	1.85	0.57	2.97	1.82	32.97
Wise	.....	.....	.....	.....	.....	.....	.....	.....	2.58	0.70	3.86	.....	.....
Woodstock	0.83	0.48	3.90	3.59	0.97	4.64	2.03	5.15	3.56	2.00	3.45	1.65	32.21
Wytheville	2.29	2.57	2.72	3.23	2.53	6.54	3.25	8.99	3.39	0.08	4.44	2.77	42.80

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington.													
Aberdeen	10.45	0.82	10.09	6.49	3.26	2.96	1.12	2.20	9.44	13.20	8.92	13.87	82.82
Anacortes	4.98	0.42	3.32	2.61	0.82	1.56	0.68	1.34	3.37	5.04	3.24	3.74	31.12
Anatone	3.25	0.40	2.03	1.65	0.90	2.66	1.64	0.77	2.54	3.09	2.99	3.47	25.39
Attalia	1.29	T.	0.37	1.65	0.25	0.97	0.12	0.54	0.40	1.07	0.79	1.63	9.08
Bellingham	6.85	0.93	4.05	2.84	1.63	2.45	0.80	1.82	4.66	7.24	3.47	5.18	41.92
Blaine	7.67	0.70	5.32	2.26	1.86	2.26	0.89	2.32	7.27	6.80	4.93	6.24	48.52
Blewett	1.90	0.80	1.43	1.00	.....	.....	.....	.....	.....	.....	3.22	.....	.....
Bremerton	4.08	0.26	3.82	1.81	1.03	1.91	0.92	1.31	3.97	5.13	6.65	7.14	38.03
Brewster	0.25	0.10	0.20	0.56	0.21	0.20	1.57	0.86	0.75	1.14	2.30	1.86	10.00
Buckley	7.31	0.61	4.32	6.41	2.68	2.90	1.69	1.97	5.33	6.44	4.83	7.07	51.56
Bumping Lake	7.55	0.95	3.66	2.90	1.01	1.55	0.47	1.48	5.53	5.40	7.84	10.61	48.95
Camp Lewis	4.80	0.52	3.17	2.21	1.59	2.48	1.36	1.26	4.80	5.97	4.34	8.31	40.81
Castle Rock	7.64	0.80	9.68	4.42	2.38	3.49	1.24	2.43	7.70	7.79	7.20	15.19	69.96
Cedar Lake	19.50	2.25	15.40	14.15	4.75	4.95	1.45	4.30	13.10	13.15	11.60	19.50	124.00
Centralia	5.36	0.42	4.54	3.69	2.24	2.61	0.94	1.55	4.61	8.02	4.43	11.35	49.76
Clearbrook	9.61	1.38	5.61	3.60	1.75	3.88	0.54	2.11	8.80	8.15	4.79	6.06	56.34
Cle Elum	3.40	0.64	1.49	2.33	0.39	0.36	0.67	0.96	1.72	1.67	2.55	6.79	22.97
Colfax	2.70	0.06	1.97	2.52	0.80	0.89	1.72	0.54	1.71	1.46	2.00	2.30	18.67
Colville	0.63	0.42	0.29	2.52	0.72	0.72	1.30	0.63	1.73	0.63	2.59	2.44	14.62
Conconully	0.21	0.12	0.32	1.16	0.17	5.11	1.95	1.58	.....	1.93	2.61	1.88	.....
Coupeville	2.87	1.04	1.73	2.02	0.62	0.85	1.06	0.55	1.80	3.86	2.41	3.16	21.97
Cowiche	0.77	0.22	0.06	0.48	0.26	0.17	0.24	0.49	0.91	0.22	1.57	2.02	7.41
Darrington	.....	.....	.....	.....	.....	.....	.....	.....	.....	13.69	8.85	15.13	.....
Davenport	0.68	0.07	0.43	1.67	1.79	0.99	0.90	0.63	1.02	0.30	2.25	2.70	13.34
Davis Ranch	17.75	2.24	9.71	4.00	3.55	2.18	0.38	2.00	10.59	12.27	10.62	13.08	88.37
Dayton	2.46	0.31	2.75	3.36	0.78	0.85	0.44	1.67	1.64	1.59	2.57	3.54	21.96
Deer Park	1.02	0.25	0.80	1.68	1.50	0.88	0.49	0.78	2.17	1.21	3.42	3.89	18.09
Detroit	6.46	0.67	6.04	3.00	1.90	2.75	0.89	1.60	7.45	8.64	7.91	10.75	58.06
Dirtyface Mountain	7.95	0.78	3.37	1.28	0.89	1.15	1.94	1.62	3.84	4.89	5.09	9.59	42.39
Dryden	1.44	0.35	1.00	0.55	0.20	0.17	1.10	0.87	1.20	1.66	2.96	3.92	15.42
Ellensburg	0.91	T.	0.02	0.48	0.42	0.34	0.65	0.59	0.60	0.95	1.61	2.24	8.81
Ephrata	.....	.....	.....	.....	.....	.....	1.15	0.80	0.90	0.62	1.60	1.99	.....
Everett	.....	0.83	2.56	4.53	1.23	1.49	0.94	1.54	2.95	4.93	4.47	6.36	.....
Fairfax	7.40	0.67	6.96	6.50	4.82	3.13	1.49	1.34	3.95	7.77	5.44	9.32	58.79
Forks	18.93	.....	15.43	5.66	5.60	5.99	0.30	4.28	17.94	14.79	12.54	23.73	.....
Fort Simcoe	1.08	0.75	1.14	0.96	.....	.....	0.37	0.50	1.00	0.45	3.08	.....	.....
Glacier	5.22	1.30	5.65	3.20	.....	.....	0.60	2.25	5.75	.....	.....	3.83	.....
Glenoma	7.19	0.09	7.28	6.64	2.34	2.39	1.43	1.48	7.55	.....	.....	.....	.....
Gold Creek	1.38	0.35	0.67	1.00	T.	0.85	1.90	1.40	4.20	3.10	3.83	2.41	21.09
Goldendale	2.25	0.10	0.67	1.54	0.42	1.03	T.	0.89	0.85	1.03	3.34	3.05	15.17
Granger (near)	0.91	.....	T.	0.70	0.10	0.37	0.03	0.60	0.63	0.25	0.75	1.19	.....
Granite Falls	8.48	1.60	5.46	7.55	3.40	3.05	0.63	2.40	7.79	8.94	5.70	10.20	65.20
Hanford	1.46	T.	T.	0.78	0.05	0.69	T.	1.18	0.75	0.51	0.99	1.22	7.63
Harrington	0.75	T.	0.28	1.68	0.66	0.64	0.96	0.85	1.12	0.37	2.37	2.54	12.22
Hatton	1.18	0.10	0.41	1.70	0.51	0.67	0.25	0.89	1.06	0.56	1.45	1.52	10.30
Headworks	4.81	0.41	3.99	4.69	1.90	2.26	1.42	1.24	5.94	5.88	5.61	9.56	47.71
Hunters	0.41	0.10	0.25	2.97	0.33	1.25	0.60	1.49	.....	.....	.....	.....	.....
Irene Mountain	0.20	0.31	0.27	2.65	1.06	0.86	0.83	1.46	1.48	0.75	1.22	0.87	11.96
Kahlotus	1.45	0.02	0.47	1.82	0.61	0.79	0.21	1.08	1.05	0.88	1.47	1.97	11.80
Kalama (near)	5.86	0.84	8.86	7.53	1.89	3.81	1.34	2.14	9.31	10.31	7.98	16.56	76.43
Kennewick	1.15	0.35	0.22	1.17	T.	0.56	0.09	1.53	0.33	1.08	0.74	1.25	8.47
Kent	6.24	0.60	2.86	3.48	1.37	1.47	1.28	0.98	2.03	4.74	4.74	6.95	36.76
Kettle Falls	0.49	0.22	0.83	2.72	0.73	0.98	0.93	1.30	1.61	1.06	2.97	2.58	16.42
Keystone	0.64	0.05	0.23	1.46	1.02	0.61	0.82	0.70	1.45	0.32	1.17	1.31	9.78
Kiona	0.42	0.00	0.47	1.35	0.72	0.32	0.00	1.32	1.11	0.84	1.82	1.81	10.18
La Center	4.19	0.36	6.08	5.82	1.28	1.85	2.00	2.10	5.00	6.75	4.29	11.32	51.04
La Crosse	1.80	0.22	1.14	1.82	0.72	0.58	0.71	0.85	1.27	1.11	1.25	1.84	13.31
Lake Cle Elum	5.68	1.17	3.42	2.67	0.57	0.49	0.74	2.52	4.06	3.77	4.52	9.28	38.89
Lake Kachess	8.93	1.18	5.35	4.33	1.57	1.32	0.94	2.87	4.71	5.38	4.69	12.49	53.76
Lake Keechelus	10.97	1.38	7.89	6.18	1.62	0.91	1.13	2.97	6.07	8.06	6.67	14.17	68.02
Lakeside	0.21	0.01	.....	.....	.....	T.	1.42	0.73	1.36	1.55	1.28	1.18	.....
Landsburg	8.77	0.85	6.74	7.16	2.52	2.97	1.72	1.87	6.85	6.93	5.47	9.14	60.99
Laurel	4.51	0.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Laurier	1.15	0.35	0.62	2.33	1.01	1.34	0.87	0.99	2.13	0.83	1.88	2.13	15.63
Leahy	.....	0.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leavenworth	2.20	0.43	1.81	0.48	0.19	0.51	1.56	0.66	1.60	2.36	2.84	4.80	19.44
Lind	0.54	T.	T.	1.20	0.55	0.60	0.38	0.49	0.95	0.25	1.28	1.18	7.45
Locke	1.47	0.40	1.03	3.26	2.28	1.07	1.34	0.76	3.59	1.16	2.75	3.70	22.81
Lone Tree	9.84	0.92	7.02	6.95	2.66	4.03	0.75	1.67	8.11	12.14	8.51	12.47	75.07
Longmires Springs	14.29	1.48	10.78	10.54	4.01	3.62	0.99	2.67	11.32	10.92	8.44	18.72	97.78
Lost Creek	0.28	0.13	0.58	2.53	0.61	0.74	1.01	1.36	1.84	1.06	1.82	2.06	14.02
Lowden (near)	1.64	0.10	0.77	1.64	0.10	0.83	0.10	1.37	0.82	1.14	0.45	2.03	10.99
Marietta	6.74	0.60	4.06	2.93	1.90	1.50	0.69	1.64	3.97	6.44	3.57	5.49	39.55
Maryhill	0.58	0.00	0.41	0.82	0.06	0.03	0.00	0.70	1.22	0.09	3.00	2.94	9.85
McCumbers Ranch	5.32	0.62	2.89	2.44	0.66	1.03	0.18	1.32	3.56	2.69	1.83	6.16	28.70
Mill Creek Intake	4.00	0.57	6.88	5.30	2.32	1.54	0.54	2.76	5.18	6.02	6.23	7.84	49.18
Mottinger	0.81	0.10	0.66	1.86	T.	1.05	T.	1.29	0.88	1.08	0.96	.....	.....
Mount Pleasant	6.20	0.53	6.20	8.80	2.00	3.05	1.62	1.82	7.00	6.19	7.74	10.05	61.20
Moxee	0.88	0.01	0.05	0.09	0.29	0.20	0.06	0.49	0.67	0.56	1.33	1.78	7.01
Nespelem	0.19	0.06	0.14	1.65	0.11	0.84	0.89	1.36	1.48	0.60	2.15	1.02	10.41
Newport	1.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Head	5.34	0.42	3.73	4.02	1.61	1.69	0.89	1.46	5.34	9.80	5.03	11.99	50.72
Northport	1.31	0.48	0.60	2.30	1.20	0.93	1.25	0.59	1.85	0.97	1.77	1.40	14.65
Oakville	6.64	0.63	5.84	3.81	2.23	2.23	0.77	1.85	6.03	9.28	5.68	12.18	57.17
Odessa	0.61	0.09	0.26	1.54	0.30	0.46	1.16	0.39	0.70	0.83	1.98	1.74	10.06
Olga	6.19	0.66	3.22	2.80	1.16	2.12	0.55	1.24	3.73	5.58	3.60	5.18	36.03
Olympia	10.60	0.31	4.05	.....	1.32	2.74	0.99	1.70	3.52	9.10	6.59	11.53	.....
Omak	0.13	0.15	0.18	1.30	T.	0.26	1.15	1.09	0.99	0.51	2.97	1.94	10.67
Oroville	0.32	0.08	0.31	1.30	0.13	0.66	0.52	0.78	1.97	0.75	1.57	1.79	10.20
Paradise Inn	15.67	1.45	9.00	9.22	3.71	6.49	0.64	4.31	24.10	9.95	10.05	22.05	116.64
Peola	.....	0.42	2.31	2.58	1.40	2.60	1.50	2.24	1.43	1.99	2.12	3.54	.....
Pomeroy	2.60	0.22	2.37	2.85	1.39	1.67	1.00	1.01	0.70	0.80	1.35	2.57	18.53
Port Angeles	3.48	0.44	1.54	1.26	0.80	0.82	0.68	1.03	2.21	3.69	2.67	4.73	23.35
Port Townsend	2.70	0.26	2.24	1.22	0.56	1.51	1.22	0.31	2.14	3.33	2.52	2.04	20.05
Poulsbo	.....	.....	.....	.....	.....	.....	.....	.....	3.63	5.05	7.69	7.31	.....
Prosser	0.94	0.03	0.41	1.38	0.50	0.65	0.05	1.08	1.62	0.76	0.89	1.23	8.94
Pullman	2.62	0.27	2.08	2.76	0.95	1.56	0.81	0.92	2.00	1.33	2.38	2.95	20.63

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington—Continued.													
Puyallup	6.11	0.48	2.76	3.72	2.10	1.92	1.27	1.51	3.83	5.91	4.69	8.45	42.75
Quilcene	.....	.....	.....	3.74	0.40	2.02	1.21	1.48	2.93	8.13	9.56	10.32	.....
Quiniault	25.42	2.39	16.60	5.89	6.87	12.50	.....	.....	19.47	19.19	8.94	17.60	.....
Republic	0.34	0.13	0.56	2.19	0.26	1.06	1.08	1.33	1.45	0.93	1.87	1.84	13.04
Rimrock	3.63	1.23	1.66	1.14	0.59	0.51	1.17	1.16	1.62	1.33	3.84	7.44	25.32
Ritzville	1.55	0.16	0.38	1.58	0.43	0.58	0.71	1.03	1.17	0.31	1.76	1.70	11.36
Rock Island	0.35	0.35	0.11	0.18	0.21	0.62	0.55	0.34	0.38	1.89	1.52	1.56	8.06
Rosalia	2.05	0.18	1.87	1.58	0.96	0.70	0.42	1.51	1.73	0.82	1.45	2.47	15.74
Seattle	3.92	0.34	2.82	3.46	0.96	1.93	1.00	1.15	2.34	4.19	4.42	5.68	32.21
Sedro Woolley	10.97	2.06	6.84	4.72	2.10	1.92	0.98	2.58	7.46	7.69	4.39	6.24	57.95
Sequim	1.71	0.14	0.88	1.12	0.43	0.71	1.74	0.50	1.62	2.82	1.73	2.54	15.94
Silverton	.....	.....	.....	.....	.....	.....	1.28	4.74	19.52	17.60	10.60	15.09	.....
Sixprong	1.21	0.18	0.32	0.76	0.24	0.59	T.	0.58	0.64	0.93	1.47	1.68	8.60
Snohomish	4.25	.....	2.65	4.02	.....	.....	.....	.....	.....	.....	.....	.....	.....
Snoqualmie Falls	6.89	0.69	5.51	7.73	2.02	1.98	1.28	1.87	5.26	7.04	4.49	7.80	52.56
Snoqualmie Pass	.....	.....	.....	.....	.....	8.60	0.30	6.20	15.55	12.40	10.09	22.37	.....
Snyders Ranch	3.31	0.21	0.36	0.15	0.20	0.53	1.53	0.49	1.27	2.79	2.24	3.47	16.55
South Bend	12.77	1.05	10.96	7.87	3.25	3.57	1.00	2.41	12.37	13.90	9.97	18.70	97.82
Spokane	0.96	0.09	0.81	1.43	1.02	0.65	0.66	1.25	1.06	0.36	1.30	2.59	12.18
State University	3.89	0.30	2.67	2.87	1.22	1.67	1.71	1.10	2.26	.....	4.53	5.89	.....
Stehekin (near)	6.43	0.80	2.42	0.75	0.67	0.83	1.27	0.80	2.88	4.53	5.02	8.48	34.88
Stokes Ranch	1.78	0.12	0.31	0.51	0.27	0.35	1.34	0.78	1.03	1.76	2.29	3.05	13.59
Sumner	5.97	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sunnyside	1.00	0.07	0.10	0.80	0.11	0.72	0.18	0.91	0.90	0.60	1.30	0.95	7.64
Tacoma	6.10	0.34	2.99	2.47	1.81	1.76	0.83	1.26	3.04	5.14	4.08	7.23	37.05
Tahola	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.19	.....
Tatoosh Island	13.07	1.43	9.78	3.40	4.00	4.42	0.76	3.74	12.31	9.78	12.26	14.90	89.85
Tieton Canyon	1.61	0.95	0.30	1.40	T.	0.50	0.70	0.70	1.10	0.90	3.50	4.30	15.96
Timentwa	.....	0.19	0.55	1.37	0.14	0.45	1.84	1.73	1.05	0.84	2.39	1.97	.....
Touchet Ridge	4.31	0.63	6.13	5.96	2.24	2.15	0.58	3.20	4.03	3.51	5.85	7.87	46.46
Trinidad	0.73	0.00	0.20	T.	0.00	0.51	0.15	0.45	0.60	1.25	2.05	1.40	7.34
Vancouver	4.09	0.17	3.28	5.03	0.82	2.43	1.36	1.20	3.94	3.70	5.36	6.70	38.08
Vashon Island	5.31	0.45	3.19	3.25	1.25	2.43	0.55	1.27	4.81	5.87	5.79	8.32	42.49
Wahluke	0.65	T.	T.	0.98	0.31	0.50	0.12	0.92	0.63	0.43	1.36	1.20	7.10
Wallace	0.42	0.77	0.44	1.55	0.21	0.89	0.95	0.97	3.18	2.21	2.49	2.41	16.49
Walla Walla	1.55	0.10	2.14	2.80	0.57	1.03	0.13	1.87	1.99	1.65	2.10	2.50	18.43
Wapato	0.57	0.65	0.09	0.68	0.80	0.24	0.30	0.73	0.20	0.24	1.30	1.62	7.42
Waterville	0.27	0.15	T.	0.47	T.	0.42	2.27	0.51	1.04	1.97	1.90	2.08	11.08
Wenatchee	.....	0.70	0.40	0.35	0.03	0.35	0.64	0.34	0.70	2.61	1.40	2.15	.....
Wenatchee (near)	0.98	0.55	0.42	0.44	0.24	0.21	1.10	0.36	0.50	2.63	1.44	2.02	10.89
Wheeler	0.75	0.09	0.20	1.44	0.70	0.65	0.30	0.56	0.86	0.39	1.78	1.18	8.90
White Salmon	3.95	0.16	3.04	2.61	0.49	1.17	0.52	1.30	4.02	2.26	4.79	7.64	31.95
Wilbur	0.10	0.40	0.15	1.80	0.53	0.92	0.95	1.11	1.42	0.65	2.50	1.39	11.92
Wind River	9.28	0.65	13.14	9.31	2.34	3.53	0.58	2.51	10.98	10.50	16.90	20.52	100.24
Winthrop	1.02	.....	0.19	.....	.....	.....	.....	.....	.....	.....	1.71	.....	.....
Yacolt	7.11	0.70	10.72	11.14	2.39	4.05	1.15	3.40	9.42	10.47	8.44	20.07	89.06
Yakima	0.94	0.04	0.02	0.53	0.39	0.33	0.25	0.44	1.18	0.55	1.35	1.82	7.84
West Virginia.													
Bancroft	5.62	2.18	3.20	4.54	2.08	4.35	3.32	3.39	3.08	1.22	2.02	2.20	37.20
Bayard	3.02	.....	3.47	4.46	1.57	4.65	.....	.....	.....	.....	.....	.....	.....
Beckley	.....	.....	.....	.....	.....	3.38	3.35	3.09	.....	.....	.....	.....	.....
Bens Run	3.68	2.76	2.85	4.42	2.82	6.22	5.70	3.16	3.26	1.19	1.99	2.09	40.14
Bluefield	3.73	4.06	3.38	4.05	3.15	4.25	3.35	8.39	3.80	0.44	5.35	3.84	48.29
Brandywine	2.05	2.53	2.70	3.33	1.59	4.10	3.50	5.97	1.90	0.45	3.15	2.10	33.47
Bruceton Mills	.....	.....	.....	.....	.....	.....	.....	5.03	2.59	1.50	4.32	2.83	.....
Buckhannon	5.11	3.75	4.08	5.78	3.84	6.46	7.10	3.30	2.87	0.96	4.50	3.60	51.30
Burlington	2.79	2.40	2.75	5.16	1.08	5.55	3.86	7.00	4.76	0.73	3.01	1.64	40.73
Camden-on-Gauley	7.24	3.42	3.94	5.49	4.02	6.50	6.46	5.54	3.24	1.02	5.03	3.27	55.17
Cairo	.....	.....	.....	.....	.....	.....	.....	2.99	.....	1.94	3.15	2.42	.....
Charleston	7.19	2.70	3.95	5.52	2.71	7.23	5.00	3.33	4.88	1.40	4.58	2.76	51.26
Clay	4.94	2.07	2.97	4.91	3.62	4.73	2.91	2.00	2.55	1.32	3.75	2.21	37.98
Cortland	.....	.....	.....	.....	.....	.....	4.79	5.26	2.55	1.23	1.68	3.09	.....
Creston	5.20	2.98	3.55	5.22	6.31	4.75	4.30	3.88	3.01	1.39	2.84	2.45	45.88
Cube	4.74	2.22	3.83	5.52	2.60	5.01	3.00	1.76	1.88	0.85	2.08	1.65	35.14
Dam No. 12, Ohio River	3.76	1.53	2.00	4.54	1.61	6.10	3.23	4.42	1.68	1.82	2.53	2.46	35.68
Dam No. 13, Ohio River	3.22	1.80	1.53	3.89	2.25	3.75	3.85	2.53	2.46	1.93	1.75	2.23	31.19
Dam No. 19, Ohio River	4.25	2.03	3.37	6.84	3.08	3.84	4.93	2.37	3.84	1.85	1.83	2.06	40.19
Dam No. 20, Ohio River	4.72	2.54	3.98	5.00	2.79	5.34	3.86	4.18	3.96	2.53	1.91	2.07	42.88
Dam No. 22, Ohio River	4.27	2.19	3.80	4.47	3.18	3.67	5.21	2.33	2.71	1.61	1.83	2.73	38.00
Dam No. 26, Ohio River	4.22	2.20	3.20	5.06	2.00	3.66	6.58	3.59	2.31	0.49	2.06	1.85	37.22
Davis	.....	.....	.....	.....	.....	4.58	6.52	3.96	3.69	1.88	4.50	5.13	.....
Elizabeth	3.67	2.53	3.28	4.82	2.72	5.36	5.09	4.84	2.28	1.07	2.11	1.73	39.50
Elkins	4.66	3.10	4.57	5.45	2.19	3.83	5.27	3.33	3.35	1.07	3.72	2.78	43.32
Evans	4.01	2.58	3.06	6.36	2.75	4.62	3.68	3.53	3.56	0.77	2.04	1.62	38.58
Fairmont	3.15	2.97	2.66	4.26	2.15	4.12	6.73	7.48	3.86	0.90	3.27	2.66	44.21
Gary	5.64	3.69	3.82	4.29	4.27	4.21	3.55	6.29	2.51	0.58	4.17	2.83	45.85
Gassaway	.....	2.19	3.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glenville	5.15	2.48	3.13	5.74	6.97	5.84	6.92	2.45	1.34	1.27	3.61	3.30	48.20
Grafton	4.35	3.20	3.13	5.97	1.83	2.95	4.93	2.82	3.22	0.77	2.80	2.14	38.11
Green Sulphur Springs	.....	4.39	8.67	6.84	3.91	5.81	4.25	.....	.....	.....	.....	3.76	.....
Harpers Ferry	0.40	2.47	1.40	4.30	1.85	3.80	4.54	4.90	3.69	0.60	4.52	2.76	35.32
Hinton	4.32	2.70	3.92	4.82	2.92	4.98	3.72	6.58	3.06	0.46	4.78	2.22	44.48
Holcomb	5.61	3.69	4.82	4.70	4.41	6.28	5.20	4.64	3.29	1.45	5.69	.....	.....
Huntington	5.04	2.22	2.96	5.78	2.30	2.92	4.92	2.96	2.42	1.08	2.10	1.90	37.10
Kanawha Falls	5.22	2.25	2.42	3.55	3.06	5.74	4.65	2.57	3.63	1.43	3.63	1.32	38.87
Kayford	5.76	2.76	4.00	5.48	4.07	7.62	4.16	3.12	4.05	1.42	3.89	2.77	49.10
Lewisburg	3.45	2.44	3.35	5.61	2.50	4.88	3.90	5.08	3.30	0.34	4.70	2.07	41.62
Logan	.....	2.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lost Creek	3.98	2.98	4.06	4.12	2.16	4.34	4.67	1.60	3.84	0.80	3.66	2.91	39.21
Mannington	3.65	3.49	3.12	4.85	1.64	4.78	7.74	4.55	5.38	1.08	3.26	2.91	46.45
Marlinton	4.03	2.78	5.04	5.56	3.05	5.53	5.24	8.90	.....	.....	.....	4.37	.....
Martinsburg	2.62	3.26	3.17	4.39	2.68	4.52	2.93	3.68	3.45	0.50	3.73	2.86	37.79
Miller	.....	.....	.....	.....	.....	5.44	5.70	3.89	4.41	1.14	5.02	2.73	.....
Moorefield	1.96	3.42	2.47	4.37	1.83	5.15	3.58	6.51	2.31	0.42	2.83	2.04	36.89

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
West Virginia—Continued.													
Morgantown	2.52	.....	.....	3.01	.....	3.27	4.46	6.71	2.51	0.12	3.22	.....	.....
Moundsville	3.52	1.77	2.51	4.08	1.90	3.58	6.36	2.07	3.26	1.73	1.85	2.92	35.55
New Cumberland	2.33	2.01	3.59	4.37	.....	.....	.....	3.11	1.99	1.79	1.62	2.28	.....
New Martinsville	3.20	2.55	2.75	4.25	1.75	6.10	7.15	4.30	4.35	1.40	2.08	2.08	41.96
Parkersburg	3.83	2.16	2.92	6.38	1.64	5.20	4.56	2.65	3.69	1.40	1.82	1.68	37.93
Parsons	6.39	2.37	3.65	5.29	.....	6.30	8.94	2.05	3.33	0.80	4.85	3.39	.....
Philippi	4.53	2.55	3.56	5.69	2.48	5.19	5.86	2.32	4.42	0.88	4.24	2.60	44.32
Pickens	6.41	5.49	3.33	7.26	4.66	4.89	7.73	8.42	3.18	1.92	3.99	3.12	60.40
Piedmont	2.78	3.06	2.05	4.92	2.38	6.07	3.81	6.82	2.49	2.08	3.02	1.73	41.21
Point Pleasant	4.23	2.25	3.75	6.22	2.64	4.50	5.17	2.78	2.29	1.25	1.93	1.98	38.99
Powellton	5.86	3.19	4.45	4.74	3.47	5.62	3.56	1.81	2.39	0.90	4.34	1.69	42.02
Raleigh	4.95	3.02	5.01	4.48	3.41	4.94	4.91	2.93	2.98	1.47	.....	2.54	.....
Ranick	3.31	1.59	3.86	4.88	1.89	5.19	3.25	4.18	2.82	0.35	4.60	3.03	38.95
Robertsburg	5.04	2.05	3.25	4.27	1.41	3.54	3.31	2.89	1.98	0.71	1.60	1.81	31.86
Romney	2.62	3.02	2.35	4.65	2.92	5.08	2.91	5.86	3.25	1.68	3.85	1.56	39.75
Rowlesburg	4.33	3.53	4.01	5.89	2.91	6.48	6.24	4.71	3.04	1.91	4.11	4.01	51.17
Ryan	4.79	2.99	3.12	4.59	2.99	4.67	5.62	2.97	4.49	1.27	3.38	1.71	42.59
St. Marys	3.77	2.70	3.27	4.75	3.09	5.65	4.84	2.69	3.91	1.20	2.56	2.12	40.55
Sharples	.....	.....	3.40	3.71	3.02	5.24	3.98	3.04	2.49	1.54	1.88	2.82	.....
Smithfield	3.43	3.69	2.87	5.25	2.16	5.83	8.90	3.04	3.84	1.30	3.86	3.99	48.16
Spencer	5.33	2.79	3.64	5.41	2.83	2.53	3.24	3.46	2.64	1.15	2.99	2.56	38.57
Stony River Dam	2.76	2.76	2.91	4.12	3.52	5.70	5.62	9.28	3.17	1.47	1.49	3.48	46.28
Terra Alta	.....	.....	.....	6.63	2.57	5.39	8.30	6.56	3.13	1.67	2.53	4.47	.....
Union	4.85	2.31	2.70	1.64	1.90	6.10	4.36	5.10	1.68	0.25	4.05	1.54	36.48
Upper Tract	1.30	1.85	2.30	2.16	1.35	4.40	2.75	7.00	2.65	0.10	1.77	1.36	28.99
Wardensville	1.01	1.64	2.31	.....	1.47	3.75	.....	.....	.....	.....	.....	1.47	.....
Wellsburg	3.09	1.49	2.06	4.81	1.32	9.70	4.47	5.43	3.43	1.46	3.48	2.25	42.99
Weston	4.89	3.80	3.74	5.58	3.93	5.24	4.75	3.24	2.84	0.98	3.86	3.46	46.31
Wheeling	3.50	1.81	2.30	4.39	2.11	4.47	3.38	2.98	2.32	1.77	2.18	2.30	33.51
White Sulphur Springs	.....	.....	.....	.....	.....	.....	.....	3.63	3.32	0.50	3.44	2.15	.....
Williamson	6.33	2.69	4.30	4.32	2.35	5.17	2.71	3.34	2.79	1.60	2.80	2.52	40.92
Wisconsin.													
Antigo	1.04	0.30	3.17	1.59	2.47	7.40	1.34	1.54	4.65	2.92	1.73	1.28	29.43
Ashland	0.96	0.41	1.56	2.63	2.32	6.61	5.94	3.09	1.73	4.46	1.59	1.60	32.90
Baraboo	.....	0.28	.....	1.93	2.67	6.91	1.36	4.35	1.93	1.06	4.27	.....	.....
Barron	1.37	0.54	3.08	2.43	3.36	8.19	2.07	1.98	3.17	.....	.....	1.30	.....
Beloit	0.86	0.35	4.63	2.90	1.44	4.86	1.25	2.73	1.42	1.31	1.53	2.33	25.61
Big St. Germain Dam	0.69	0.48	3.05	1.25	1.25	5.28	4.05	2.25	2.15	2.00	1.65	2.15	26.25
Brodhead	0.59	0.40	4.20	3.77	1.72	5.11	0.67	2.67	1.60	1.58	1.86	1.85	26.02
Burnett	0.93	0.43	2.83	3.16	2.37	5.86	1.94	5.71	3.94	0.97	1.70	1.74	31.58
Cecil	1.10	0.61	3.05	1.90	0.93	5.48	3.57	2.90	1.16	1.78	3.70	1.93	28.11
Cornucopia	0.91	0.28	1.62	3.13	2.38	5.58	2.80	1.35	1.54	3.71	1.70	1.11	26.11
Danbury	.....	0.34	.....	2.53	4.25	9.00	1.35	1.75	2.00	.....	.....	.....	.....
Darlington	0.70	0.38	3.71	4.20	2.24	3.82	1.23	2.81	2.66	2.55	2.61	1.42	28.33
Deerskin Dam	0.79	0.45	.....	0.84	0.98	6.55	5.88	2.18	1.20	1.90	1.92	2.75	.....
Delavan	0.87	0.42	4.10	3.52	1.61	5.07	1.62	5.05	2.27	1.51	0.84	2.53	29.41
Downing	2.01	0.89	3.00	3.70	4.40	10.25	1.00	1.36	2.70	2.30	0.90	1.10	33.61
Eau Claire	1.89	0.47	3.54	2.02	3.80	7.15	1.20	1.86	1.70	2.32	2.47	2.08	30.50
Florence	1.49	0.58	2.30	1.82	1.20	6.45	4.02	2.22	2.56	1.21	2.15	2.34	28.34
Fond du Lac	1.49	0.92	4.57	3.19	2.51	4.42	2.13	5.78	2.28	3.15	2.13	2.11	34.68
Grand River Locks	1.16	0.39	3.15	2.88	2.95	6.50	2.22	4.52	1.50	1.36	3.83	2.40	32.86
Grantsburg	2.44	0.85	1.70	1.79	3.97	10.37	1.25	1.77	2.99	5.24	2.48	0.73	35.63
Green Bay	0.98	0.47	4.12	2.11	1.43	6.00	3.49	1.80	0.91	2.27	3.48	1.70	28.76
Hancock	1.63	.....	2.32	2.11	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hatfield	1.18	0.46	2.30	1.87	3.36	4.93	1.55	2.40	0.75	2.10	2.21	1.80	24.91
Hayward	1.71	1.12	1.88	1.39	2.10	8.10	.....	0.62	1.48	.....	.....	1.47	.....
High Falls	1.60	0.34	2.76	2.19	1.08	4.47	2.60	3.98	3.45	1.93	2.22	2.54	29.18
Hillsboro	1.11	0.36	2.86	3.53	3.29	8.60	2.27	4.48	2.25	2.72	2.84	1.32	35.63
Iron River	0.73	0.35	2.05	2.21	2.85	6.34	4.92	2.84	1.47	3.75	1.46	0.92	29.89
Kewaunee	.....	.....	4.25	3.30	2.25	3.84	4.11	4.39	1.26	2.19	3.91	2.95	.....
Koepenick	1.57	0.57	2.20	1.60	2.30	6.00	1.10	.....	3.35	1.90	1.40	1.90	.....
La Crosse	1.10	0.50	2.89	3.45	1.86	8.14	1.05	2.25	0.81	2.56	2.85	1.86	29.32
Lake Mills	0.75	0.49	.....	3.22	3.93	4.77	2.72	3.60	0.79	2.06	2.45	1.97	.....
Long Lake	0.81	0.44	2.51	1.28	1.34	5.83	4.31	2.70	1.44	1.83	1.08	2.11	23.68
Madison	0.84	0.51	4.07	3.43	2.51	5.62	1.39	2.61	1.12	1.90	1.83	1.33	27.16
Manitowoc	1.87	0.73	5.06	2.75	2.41	3.22	3.92	3.16	4.17	2.41	3.53	3.13	36.36
Marinette	1.45	0.54	2.25	2.14	1.13	4.37	3.00	2.45	0.95	2.34	2.80	2.09	25.51
Marshfield	1.76	0.40	.....	2.13	3.65	4.02	1.02	1.52	1.74	3.55	2.63	2.45	.....
Mather	1.85	0.50	2.57	2.19	4.32	7.46	1.78	4.12	0.78	2.55	3.50	1.64	33.26
Meadow Valley	1.92	0.44	2.70	1.85	2.65	8.99	1.94	3.73	1.16	1.79	3.80	2.12	32.09
Medford	1.08	0.49	3.25	1.95	3.46	9.11	1.71	1.31	3.52	2.11	1.89	0.90	30.78
Menasha	2.08	0.86	4.11	2.75	1.67	4.21	2.04	3.79	1.22	0.97	3.62	2.09	29.41
Merrill	1.82	0.64	4.26	1.82	3.05	6.57	1.78	2.49	2.14	2.65	2.63	2.43	32.28
Milwaukee	1.57	0.45	4.53	1.92	2.61	5.25	0.80	2.03	2.78	1.99	0.81	3.12	27.86
Minocqua	0.95	0.49	2.61	1.27	1.53	7.15	4.49	2.41	1.65	1.79	1.30	1.65	27.29
Mondovi	2.50	0.34	5.45	2.72	4.37	10.44	1.03	1.09	1.07	2.45	1.88	2.45	35.79
Mount Horeb	0.52	.....	.....	4.03	2.35	7.51	.....	3.99	1.03	2.35	2.67	1.27	.....
Neillsville	2.10	0.39	2.87	1.81	3.77	5.62	1.40	1.67	1.47	2.43	2.39	1.49	27.41
New London	1.85	1.19	5.04	2.97	2.29	5.03	2.44	4.84	1.50	1.19	3.33	3.15	34.82
Oconto	1.76	.....	.....	2.11	1.21	4.98	3.80	1.76	0.99	1.94	3.18	.....	.....
Osceola	1.26	0.48	.....	1.45	4.32	9.72	0.84	2.40	2.52	1.60	.....	.....	.....
Oshkosh	1.61	0.62	3.37	2.51	2.77	4.75	2.14	3.52	1.34	0.97	2.28	2.20	28.08
Park Falls	1.28	0.90	4.42	2.60	1.29	8.11	2.88	1.80	1.99	2.12	1.08	3.58	32.05
Pine River	1.39	0.45	4.42	3.23	2.58	5.15	2.23	5.22	1.27	1.07	4.25	2.64	33.90
Plum Island	2.47	1.14	4.60	2.14	0.40	2.15	2.93	0.80	1.50	0.50	2.56	0.66	22.05
Plymouth	1.15	0.46	4.18	2.47	1.76	3.69	1.21	3.42	1.89	3.14	3.00	2.77	29.14
Portage	0.65	0.38	3.37	2.81	1.75	6.68	1.95	5.11	2.48	1.11	4.21	2.12	32.62
Port Washington	2.26	0.38	5.22	1.63	2.88	7.00	1.17	3.16	1.24	2.95	1.87	3.03	32.79
Prairie du Chien	0.48	0.34	3.09	3.71	2.68	4.98	0.90	5.22	3.18	2.22	3.46	1.22	31.48
Prairie du Sac	0.66	0.28	.....	1.80	3.51	8.27	1.73	3.51	1.12	0.47	1.66	0.78	.....
Prentice	1.37	0.50	2.90	1.83	2.14	7.92	1.38	1.94	1.73	2.26	1.31	2.58	28.86
Racine	0.70	0.20	4.81	2.73	1.21	3.72	0.92	1.76	3.18	1.37	0.88	3.36	24.84
Reedsburg	1.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rest Lake	1.28	0.54	2.15	0.67	1.68	6.98	3.50	1.81	2.26	2.18	1.65	3.40	28.10
Rhinelander	1.46	0.73	3.43	1.70	1.52	6.54	2.97	1.83	1.61	3.05	0.95	1.76	27.55

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wisconsin—Continued.													
Richland Center				2.96	2.95	9.56	1.12	2.35	0.65	1.17	3.61	1.82	
Ripon	0.98	0.60	2.97	2.45	2.87	3.50	1.59	3.50	1.32	1.12	3.53	2.46	27.09
River Falls	1.62	0.61	3.37	2.73	3.60	9.51	2.19	1.90	[2.03]	2.50	1.43	0.75	32.24
Sheboygan	1.74	0.49	4.33	2.33	2.06		1.32	3.81	1.70	2.76	3.17	2.65	
Solon Springs	2.13	1.12	2.63	2.58	3.80	8.40	3.60	1.65	2.10	4.40	0.90	1.75	35.06
Spooner	1.43	0.83	2.33	2.36	4.44	6.57	4.53	1.39	2.47	2.86	0.79	0.45	30.45
Stanley	2.10	0.45	2.35	2.33	3.56	10.06	2.78	1.24	1.37	2.85	2.46	1.05	32.60
Stevens Point	2.07	0.41	3.67	2.27	2.27	5.30	2.77	3.62	1.89	1.96	3.57	2.12	31.92
Sturgeon Bay	1.37	0.50	4.48	2.40	0.96	5.00	4.70	2.07	1.44	2.14	3.45	2.30	30.81
Sugar Camp Dam	1.17	0.40	3.14	1.65	1.50	7.19	4.20	3.56	1.67	1.71	1.25	2.27	29.71
Superior	1.06	0.23	1.99	2.03	4.73	6.08	3.52	1.12	1.60	5.15	1.64	1.07	30.22
Tomahawk	0.84	0.38			2.47	8.67	1.29	0.46	1.85	2.70	1.37	1.58	
Twin Lakes Dam	0.83	0.27	2.01	1.18	1.57	5.90	6.00	0.91	2.25	1.00			
Viroqua	0.91	0.38	2.59	3.31				3.27					
Watertown	1.34	0.65	3.75	2.74	3.43	4.35	2.54	4.35	0.73	1.96	2.59	2.04	30.47
Waukesha	1.53	0.38	4.71	2.30	2.12	3.58	2.17	4.23	1.75	2.17	1.86	3.75	30.55
Waupaca	1.37	0.54	3.83	2.65	2.49	6.64	2.17	4.14	1.97	1.34	4.22	2.33	33.69
Wausau	1.09	0.38	2.42	1.82	2.39	4.99	1.12	2.08	1.44	3.17	2.31	1.62	24.83
Weyerhauser	2.26	0.62	2.68	2.39	2.83	6.87	3.45	1.53	4.28	[2.95]	1.44	1.53	32.83
Whitehall	2.16	0.49	5.76	3.19	3.94	8.02	2.06	2.26	0.31	1.60	2.56	1.05	33.40
Winter	1.35	1.02	1.82	1.69	2.09	8.39	2.87	1.82	1.61	2.92	0.77	1.66	28.01
Wisconsin Rapids[1]	1.84	0.62	3.54	2.67	3.36	6.33	2.56	1.95	2.59	1.93	3.63	2.28	33.30
Wyoming.													
Afton	0.72	0.95	1.10	2.95	1.33	0.71	0.69	1.41	2.04	2.79	0.87	0.97	16.53
Alta	0.47	0.63	2.87	4.42	0.78	1.05	0.57	0.72	2.04	2.35	1.35	2.53	19.78
Archer						4.28	1.25	1.27	0.88	0.57	0.15	0.27	
Arlington					1.66	0.30	0.55	1.05	0.06				
Barnum				2.08	3.06	0.90	1.45	1.15	0.56	2.02	0.49	0.25	
Basin	0.34	0.20	0.48	0.59	1.04	1.10	0.00	0.26	0.00	0.59	0.47	0.37	5.44
Bedford	0.51	0.63	1.69	3.77	2.19	0.67	0.41	1.43	1.30	2.58	1.31	2.10	18.59
Big Creek		0.54	1.69	2.33	1.49	0.59	1.36	1.88	1.14	1.55	0.74		
Border	0.36	0.70	1.39	2.94	1.15	0.40	0.15	0.71	2.51	2.82	0.46	0.96	14.55
Bow Ranger Station											1.00	1.44	
Boyd	0.52	0.93	1.23	1.81	3.53	4.37	0.77	1.66	0.91	1.34			
Buffalo	0.40	0.10	0.25	1.47	3.61	2.24	1.24	2.50	0.30		0.20	0.28	
Burns	0.08	0.02											
Casper				2.52	3.94	0.69	0.65	1.84	0.53	1.45	1.88	0.92	
Centennial	0.98	0.85	0.66	4.53	0.90	0.45	1.22	2.51	1.67	0.74	0.93	1.80	17.24
Cheyenne	0.20	0.69	0.66	3.97	2.15	0.70	2.12	1.32	2.31	0.96	0.22	0.57	15.87
Chugwater	0.14	0.40	0.60	7.07	1.63	2.35	0.70	2.73	1.00	1.30	0.28	0.73	18.93
Clark	0.25	0.39	0.39	1.66	1.49	0.34	0.43	1.19	0.44	0.18	0.19	0.45	7.40
Clearmont	0.38	0.22	0.14	1.57	2.78	2.32				0.84			
Cody	0.09	0.17	0.10	0.95	0.79	1.58	1.16	0.59	T.	0.28	0.24	0.10	6.05
Cokeville	0.28	1.10	1.53	2.27	1.42	0.18	0.75	1.78	1.42	2.53	0.24	0.92	14.42
Colony	0.51	0.57	1.31	2.31	7.05	3.11	0.57	0.40	0.90	1.00	0.78	0.24	18.75
Crandall Creek	0.97	0.55	2.13		0.86	0.09			1.41	1.21	1.61		
Crow Hill	0.93	0.55	0.65	5.02	3.58	1.27	0.89	0.98					
Deaver	0.21	0.42	0.31	0.26	0.44	0.76	0.25	0.27	T.	0.18	0.06	0.24	3.40
Diversion Dam									0.93	2.65	0.90	0.25	
Dome Lake		1.59	2.66	5.84	4.50				0.78			1.19	
Douglas	0.16	0.76	0.15	3.44	1.81	1.54	1.73	1.46	0.75	1.14	0.59	0.55	14.08
Dubois		0.72	0.29			0.17	0.97	0.52	0.42	0.88	0.38	0.05	
Dutch Joe				2.24		0.18	0.10	2.25	2.56	2.28	1.54		
Dwyer	0.06				2.80	0.98							
Echeta	1.06	0.78	1.35	3.06	4.73	2.25	T.	1.04	T.	1.07	0.20	0.84	16.38
Eden	0.01	0.83								0.88	0.00	0.13	
Elk Mountain	1.30	1.22	1.93	4.50	5.35	0.00	2.39	2.60	1.11	0.92	T.	0.60	21.92
Emblem	0.07	0.10	0.56	0.36	0.53	0.75	0.61			0.20	0.65	0.20	
Encampment	0.24	0.79	0.41	1.29	1.50	0.62	0.20	1.72	1.12	1.59	0.87	0.48	10.92
Ervay	0.37	0.95	1.38	3.36	2.91	0.76	0.62	0.70	0.68	3.23	0.17	0.25	15.33
Evanston	1.01	1.24	1.81	1.35	1.31	0.33	0.68	0.38	1.10	2.28	1.08	0.75	13.32
Fort Laramie	0.15	0.57	0.93	3.01	2.69	0.54	2.09	1.34	1.27	0.70	0.04	0.19	13.52
Fox Park		0.60				0.40	0.26	4.04	1.34	1.17	0.80	1.09	
Gillette	2.20		0.17	1.73			0.16	0.26	0.21	0.52	0.22	0.23	
Green River	0.04	0.42	0.26	0.90	0.64	0.11			0.54	1.23	0.03	0.25	
Hecla	0.30	0.69	0.55	5.22	2.23	1.45	1.69	1.90	0.55	1.40	0.15	0.48	16.61
Hunters Station					2.83	2.39	1.15	2.22	1.23	1.29			
Hyattville	0.70	0.60		0.60	0.24	0.25	0.00	0.04	0.03	0.50		0.00	
Jackson								1.64					
Jireh													
Kendall				2.83			0.50	1.00	1.23	1.10	1.16		
Kirtley	0.21	0.63	0.58	4.20	3.29	2.94	1.24	2.28	0.83	0.62	0.36	0.10	17.28
Kirwin							0.48	2.44					
Knowles	0.57	0.56	1.09	2.78	8.17	4.41	1.25	0.78	1.05	0.98	0.59	0.62	22.85
La Grange	0.24		0.77	4.75	2.46					0.02	0.64	0.50	
Lander	1.08	1.96	0.64	3.13	1.70	0.37	0.05	0.23	1.31	4.45	1.50	0.79	17.21
Laramie	0.77	0.28	0.48	4.45	1.66	0.68	1.14	2.52	0.84	1.13	T.	0.95	14.90
Lenore				1.01									
Lovell	0.18	0.62	0.21	0.74	1.08	0.93	0.08	0.71	T.	0.20	0.08	0.09	4.92
Lusk	0.47	1.22	1.15	4.72	3.64	2.20			0.25	0.66	0.00	0.36	
Middle Fork Ranger Station	2.05	2.15	1.42	4.94	2.41	0.46		1.35	0.44				
Moran	2.87	1.48	3.60	2.94	1.25	1.04	0.65	0.87	2.40	1.47	1.82	2.37	22.76
Newcastle	0.21	0.27	0.30	0.90	3.36	2.25	0.65	1.51	0.94	0.71	0.47	0.28	11.85
Opal	0.21	0.70	1.41	0.94		0.00	0.03	0.03	0.03	1.40		0.42	
Painter	0.26			2.56		0.30	0.09	0.07					
Pathfinder	0.19	0.67	0.73	1.71	2.50	0.50	0.69	1.08	0.03	1.65	0.70	0.30	10.75
Pavillion	0.11	0.53	0.99	1.03	1.67		0.95		1.05	2.71			
Pine Bluff	0.11	0.10	0.38	4.51	1.24	2.05	1.32	2.22	0.32	0.91	0.25	0.01	13.42
Pinedale	0.40	0.71	0.67	0.81	0.56	0.58	0.53	0.81			1.01		
Pine Ridge		0.61	2.04	2.80	4.15	4.21	0.18	0.85	1.54	1.84	0.44	1.40	
Powell	0.01	T.	0.01	0.06	0.33	0.62	0.30	0.22	0.15	T.	0.01	0.16	1.87
Rawlins	0.42	0.83	2.07	2.72	2.29	0.21	0.29	1.41	0.90	1.73			

[1] Name changed from Grand Rapids.

Monthly and annual precipitation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wyoming—Continued.													
Riverton	0.14	0.80	0.30	2.22	1.25	1.08	0.07	0.48	0.63	1.96	0.85	.....	.....
Rocky Point	1.20	0.66	1.33	2.11	2.77	4.30	2.62	1.43	0.84	1.03	0.87	0.55	19.71
Saratoga	.....	.....	.....	1.82	1.94	0.15	1.05	2.72	1.71	1.07	0.39	0.50	.....
Sheridan	0.81	0.94	0.83	3.45	3.12	1.88	1.51	0.68	0.16	1.19	0.49	0.52	15.58
Sheridan Creek	0.93	1.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheridan Field Station	0.46	0.38	0.49	2.35	2.42	2.99	1.23	0.46	0.55	0.88	0.85	0.29	13.35
Shoshone Dam	0.26	0.14	0.14	0.64	1.20	0.59	1.00	1.46	T.	0.50	0.05	0.07	6.05
South Pass City	0.15	0.68	0.86	1.69	1.17	0.07	0.18	0.84	1.04	1.36	0.45	0.83	9.32
Spencer	0.21	0.36	0.25	2.75	3.89	3.12	0.98	2.19	0.23	1.35	0.25	0.40	15.98
Sundance	1.13	0.83	1.01	4.75	6.02	5.12	1.21	1.04	1.55	1.51	0.50	0.73	25.40
Thermopolis	.....	.....	.....	.....	.....	.....	.....	0.41	0.35	1.22	.....	.....	.....
Timber Creek	0.53	1.82	1.20	3.59	2.55	2.34	1.33	3.10	0.41	1.65	0.75	0.29	19.56
Upton	.....	.....	0.50	0.89	3.25	4.54	0.37	0.93	0.53	0.52	0.55	0.62	.....
Valley	0.38	0.84	0.61	2.15	.....	.....	.....	.....	.....	.....	.....	.....	.....
Verona	1.35	0.85	0.90	1.65	2.87	2.38	0.68	0.42	0.65	1.20	0.80	0.80	14.55
Wheatland	0.14	0.97	0.74	6.08	2.81	1.05	1.31	0.66	1.05	1.31	0.17	0.78	17.07
Willow Springs Ranger Station	0.77	1.07	1.61	.....	.....	.....	.....	1.43	0.22	1.42	0.70	0.88	.....
Worland	0.15	0.25	0.19	0.70	0.99	0.58	0.06	0.39	0.32	0.54	0.24	0.09	4.50
Wyncote	0.16	0.57	0.40	4.34	4.94	1.03	1.06	1.81	0.56	2.17	0.02	0.46	17.52
Yellowstone Park	0.28	1.02	1.95	1.33	2.84	1.18	0.65	0.87	1.44	1.80	1.13	1.26	15.75
Gallatin †	1.10	0.97	2.55	1.89	4.35	1.75	1.34	0.77	.....	.....	.....	.....	.....
Lake Yellowstone †	0.72	.....	.....	1.44	2.20	1.44	1.24	2.35	1.77	1.55	1.72	2.05	.....
Riverside †	0.78	0.76	2.63	1.08	.....	2.12	1.26	1.50	2.23	1.29	0.84	.....	.....
Snake River †	2.56	1.10	4.12	1.34	0.60	1.19	1.43	2.88	1.65	1.55	2.44	3.52	24.38
Soda Butte †	0.68	.....	.....	0.61	2.56	1.18	1.23	1.73	1.40	0.83	1.35	0.90	.....

† Station in Yellowstone Park.

SNOWFALL, 1920-21.

Monthly and seasonal snowfall, 1920–21.

NOTE.—Leaders under heading of months indicate no snow; under seasonal, report incomplete; T., a trace; *, no report.

[Inches and tenths.]

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Alabama.										
Anniston					0.5					0.5
Auburn										0.0
Birmingham					T.	T.				T.
Decatur					T.					T.
Evergreen										0.0
Florence					1.5	T.				1.5
Gadsden										0.0
Greensboro						T.				T.
Highland Home										0.0
Maple Grove					3.6					3.6
Mobile										0.0
Montgomery										0.0
Scottsboro					T.					T.
St. Bernard					T.					T.
Union Springs										0.0
Valley Head					3.0	T.				3.0
Alaska.										
Akiak		7.2	6.2	12.0	(*)	3.0	2.4	(*)	(*)	
Akulurak	T.	(*)	(*)	2.0	(*)	(*)	(*)	(*)	(*)	
Allakaket	(*)	11.5	(*)	11.4	23.0	14.0	22.8	(*)	(*)	
Anchorage (Ship Creek)		1.0	14.5	11.9	22.9	9.8	7.8	0.2	T.	68.1
Aniak	T.	4.8	5.0	15.8	8.9	(*)	0.6	(*)	(*)	
Annex Creek		6.0	27.5	63.5	36.5	58.5	T.	1.5		193.5
Barrow		8.1	3.9	5.7	3.7	5.4	(*)	(*)	(*)	
Calder			1.0	25.0	19.0	25.0		2.0		72.0
Chickaloon	(*)	6.0	(*)	(*)	(*)	2.0	13.0	4.0	T.	
Chitina	0.2	4.0	13.8	10.2	22.2	18.4	2.4			71.2
Cordova		14.5	10.8	27.5	29.2	20.0	23.0	10.0		135.0
Dillingham		6.8	2.8	10.2	6.5	13.0	2.5	4.5	(*)	
Eagle	13.5	12.9	6.0	9.9	6.1	6.8	7.0	4.0		66.2
Fairbanks (near)		3.2	1.1	6.9	10.3	1.6	33.1	(*)	(*)	
Fortmann Hatchery		0.5		18.0	34.0	20.0	1.0	1.0		74.5
Fort Yukon	2.0	4.2	3.2	5.0	8.0	0.5	6.2	T.	T.	29.1
Holy Cross		7.5	10.8	6.0	(*)	2.5	14.8	4.0	(*)	
Hurricane Gulch	(*)	(*)	(*)	(*)	33.0	23.0	(*)	(*)	(*)	
Igloo	0.8	13.3	4.5	5.5	9.0	3.2	(*)	(*)	(*)	
Indian River		13.0	17.0	17.0	(*)	(*)	(*)	(*)	(*)	
Juneau		T.	5.9	35.0	19.4	29.8	5.0	1.9	T.	97.0
Kake				6.2	11.8	6.8				24.8
Kennecott	6.0	21.2	11.1	(*)	(*)	(*)	(*)	(*)	(*)	
Ketchikan				4.6	13.7	6.0				24.3
Kodiak (b)			T.	7.0	12.5	25.5		2.0		47.0
Latouche		T.	9.0	31.9	60.0	20.0	8.3	9.5		138.7
Matanuska		1.0	9.5	6.8	9.0	1.0	8.8	T.		36.1
Nenana	T.	8.2	1.5	3.5	3.8	1.0	15.9	0.8	T.	34.7
Nome	4.0	11.0	15.0	3.0	22.0	4.5	16.6	(*)	(*)	
Noorvik	1.0	8.3	(*)	7.0	17.5	7.0	(*)	(*)	(*)	
Nulato	T.	28.5	5.5	14.4	25.4	2.2	41.4	4.6	(*)	
Perseverance Camp	T.	7.0	14.3	62.5	58.2	(*)	35.8	36.8	4.0	
Rampart	T.	9.2	3.8	3.9	7.9	2.6	19.1			46.5
Richardson	1.5	8.0	(*)	6.0	(*)	(*)	(*)	(*)	(*)	
Ruby	T.	(*)	14.0	16.5	17.0	11.5	29.8	5.5		
St. Paul Island	T.	T.	15.5	21.9	20.3	8.8	1.4	12.0	(*)	
Salmon Creek Beach		(*)	(*)	22.8	19.5	22.0	(*)	(*)	(*)	
Salmon River	0.1	(*)	6.8	11.5	7.1	(*)	(*)	(*)	(*)	
Seldovia		1.0	8.0	79.0	55.0	53.0	4.0	18.0	(*)	
Seward		(*)	13.0	10.0	51.0	48.0	16.0	47.0	T.	

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
***Alaska*—Continued.**										
Shaktoolik	(*)	(*)	(*)	2.9	10.9	1.5	15.8	(*)	(*)	.....
Shismaref	T.	7.0	1.5	2.0	(*)	(*)	(*)	(*)	(*)	.....
Sitka	.....	T.	2.0	29.7	23.0	23.2	18.0	0.5	T.	96.4
Skagway	.....	0.6	5.6	10.0	5.0	4.4	T.	0.5	T.	26.1
Talkeetna	.....	(*)	(*)	(*)	15.0	10.0	29.0	.....	4.0	.....
Tanana	1.0	5.7	6.5	3.2	20.2	7.3	29.2	1.2	2.8	77.1
Valdez	.....	9.2	28.5	64.7	66.7	59.2	31.2	3.0	2.0	264.5
Wrangell	.....	.....	T.	23.2	19.5	16.0	.....	T.	.....	58.7
Yakutat	.....	T.	11.0	27.0	32.0	23.0	T.	1.0	(*)	.....
Arizona.										
Alpine	.....	(*)	.....	(*)	(*)	3.0	5.0	T.	(*)	.....
Bisbee	.....	3.0	.....	0.9	.....	0.5	.....	.....	.....	4.4
Blue	.....	8.2	.....	14.6	2.0	3.0	2.0	2.0	.....	31.8
Canille	.....	1.0	.....	0.8	T.	2.0	.....	(*)	(*)	.....
Cedar Glade	.....	.....	.....	3.0	1.0	4.0	(*)	T.	2.0	.....
Chin Lee	.....	5.0	.....	0.5	2.5	T.	T.	T.	T.	8.0
Clemenceau	.....	.....	.....	.....	0.7	T.	.....	.....	.....	0.7
Cosnino	.....	8.5	.....	5.0	5.0	1.0	1.0	7.8	3.0	31.3
Crown King	.....	T.	.....	3.2	4.0	8.0	(*)	6.0	(*)	.....
Elgin	.....	T.	.....	T.	.....	.....	.....	T.	.....	T.
Fairbank	.....	0.1	.....	T.	.....	.....	.....	(*)	.....	.....
Flagstaff	.....	19.0	T.	5.2	14.0	3.7	1.6	5.7	4.1	53.3
Gisela	.....	.....	.....	T.	T.	(*)	.....	T.	.....	.....
Grand Canyon	.....	7.0	.....	6.5	12.5	6.0	(*)	10.0	1.0	.....
Greer	.....	21.5	0.5	10.5	13.0	7.0	14.0	(*)	(*)	.....
Heber	.....	8.0	.....	7.0	6.0	12.0	T.	4.0	3.0	40.0
Henry's Camp	.....	3.8	T.	7.0	3.0	2.8	0.2	5.2	.....	22.0
Holbrook	.....	0.8	.....	0.8	T.	3.0	(*)	.....	0.2	.....
Jerome	.....	T.	.....	0.5	(*)	(*)	.....	.....	(*)	.....
Kayenta	.....	T.	.....	T.	8.5	T.	2.7	T.	.....	11.2
Lakeside	.....	10.0	.....	6.5	8.5	20.0	2.0	.....	.....	47.0
Leupp	.....	3.0	.....	1.0	3.0	.....	.....	.....	.....	7.0
Lewis Springs	.....	1.0	.....	T.	.....	.....	.....	.....	.....	1.0
Moccasin	.....	.....	.....	7.5	(*)	0.9	(*)	(*)	(*)	.....
Mormon Lake Ranger Station	.....	24.5	(*)	(*)	(*)	(*)	(*)	(*)	10.0	.....
Mount Trumbull	.....	3.0	.....	6.5	(*)	1.5	.....	2.8	1.0	.....
Natural Bridge	.....	T.	.....	0.1	3.0	3.0	.....	4.0	1.0	11.1
Oracle	.....	.....	.....	.....	4.0	5.0	.....	8.0	.....	17.0
Paradise	.....	3.0	.....	(*)	(*)	1.0	.....	.....	.....	.....
Phoenix	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Pinedale	.....	8.0	T.	6.0	3.0	10.5	(*)	4.0	(*)	.....
Pinto	.....	4.0	T.	7.5	5.0	6.0	.....	5.5	1.0	29.0
Portal	.....	1.0	.....	0.8	T.	2.0	.....	1.0	.....	4.8
Prescott	.....	0.5	.....	3.5	2.0	5.5	.....	6.0	.....	17.5
Prescott Dry Farm	.....	T.	.....	1.0	(*)	1.6	(*)	1.9	T.	4.5
Rucker Canyon	.....	.....	.....	T.	.....	5.0	.....	.....	.....	5.0
Ryan	(*)	(*)	.....	7.5	14.0	5.0	(*)	22.0	3.5	.....
St. Johns	.....	2.5	.....	12.0	5.0	13.0	8.0	1.5	.....	42.0
St. Michaels	.....	9.0	(*)	(*)	3.0	5.0	T.	1.0	T.	.....
Seligman	.....	1.0	.....	2.0	(*)	(*)	(*)	0.5	0.5	.....
Show Low	.....	7.0	.....	6.0	5.5	10.0	.....	2.5	.....	31.0
Snowflake	.....	10.0	.....	3.5	2.0	6.0	(*)	2.5	2.5	.....
Spring Valley Ranger Station	(*)	(*)	(*)	11.5	6.0	1.0	2.5	13.5	14.0	.....
Sunset Ranger Station	(*)	1.0	.....	1.0	0.5	4.0	(*)	.....	.....	.....
Superior	.....	.....	.....	.....	.....	.....	.....	2.5	.....	2.5
Sycamore Ranger Station	.....	.....	.....	.....	6.0	5.0	(*)	2.0	.....	.....
Tombstone	.....	2.0	.....	.....	.....	.....	.....	0.5	.....	2.5
Tonto Ranger Station	.....	.....	.....	T.	2.5	(*)	.....	2.5	(*)	.....
Tuba City	.....	2.0	.....	0.5	2.2	0.2	(*)	.....	.....	.....
Tucson	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
University of Arizona	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Walnut Creek Ranger Station	.....	1.6	.....	4.5	16.2	.....	.....	6.0	6.2	34.5
Willcox	.....	(*)	.....	0.4	(*)	0.9	(*)	.....	.....	.....
Williams	.....	7.0	.....	16.0	(*)	5.0	3.0	.....	9.0	.....
Winslow	.....	1.0	.....	0.5	1.0	1.2	(*)	9.0	0.5	.....
Yaeger Canyon	.....	(*)	.....	2.0	(*)	4.0	(*)	5.0	8.1	.....
Young	.....	9.0	.....	7.0	5.0	3.0	(*)	.....	1.0	.....
Yuma	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Arkansas.										
Bentonville			T.	2.1	5.5	6.5		T.		14.1
Bee Branch					4.5	18.0				22.5
Calico Rock			T.	1.0	4.0	11.0				16.0
Camden						T.				T.
Dardanelle					3.0	22.0				25.0
Dodd City			(*)	6.0	8.0	11.0				
Dutton			T.		6.0	12.0				18.0
Eureka Springs				4.0	4.0	10.0	T.			18.0
Fort Smith			T.	T.	4.3	18.3				22.6
Grannis			T.	T.	5.5	7.0				12.5
Hope			T.	T.		T.				T.
Jonesboro				1.0	2.5	12.0				15.5
Junction										0.0
Little Rock			T.	T.	0.2	11.6				11.8
Malvern						6.0				6.0
Mount Ida					3.0	18.5				21.5
Nail				T.	6.0	13.0				19.0
Osceola					0.5	8.0				8.5
Pine Bluff						3.1				3.1
Pocahontas					3.0	8.0				11.0
Portland										0.0
Searcy					1.4	15.0				16.4
Texarkana			T.			T.				T.
Waldron				0.1	2.8	24.4				27.3
Warren			T.			T.				T.
California.										
Big Bar				5.5	7.0	2.0				14.5
Bishop Creek	T.	0.7	0.6	21.0	73.0	6.0	17.0	T.	10.0	128.3
Blue Canyon		8.0	3.5	67.8	88.0	32.0	14.0	2.0	4.0	[1] 221.3
Branscomb				T.	8.0	1.5	T.	T.	2.0	11.5
Camptonville (near)			5.0	19.5	31.5	5.5	1.0	2.0	0.5	65.0
Canyon Dam		5.0	1.2	47.0	66.0	16.0	21.0	2.0	4.5	[1] 163.2
Cascada		2.5	13.5	21.8	33.0	28.0	3.0	2.2		104.0
Cedarville		4.0	4.0	16.5	11.5	9.0		3.0	1.0	49.0
Chester		5.0	9.0	75.0	95.5	10.5	17.0	1.0	8.0	221.0
Colfax				1.0	13.0	2.0		0.5		16.5
Cuyamaca					6.0	5.0	0.5	2.0	2.0	15.5
Deer Creek		T.	6.0	29.0	39.0	15.0	3.0		3.0	95.0
De Sabla			1.5	8.0	21.0	10.0				40.5
Downieville		0.2	0.5	13.5	20.2	3.8	4.0	0.5	0.2	42.9
Dudleys			T.	7.0	10.0	10.5	1.0	3.0		31.5
Emigrant Gap		17.0	11.0	80.0	98.0	37.0	21.5		6.0	270.5
Eureka										0.0
Fordyce Dam	1.0	46.0	34.0	93.0	109.0	52.0	32.0	15.0	19.0	[1] 405.0
Fort Bidwell		1.0	3.0	17.5	16.0	7.0				44.5
Fresno										0.0
Glacier Point	T.	28.5	23.0	47.0	69.0	38.0	19.0		13.5	238.0
Glennville (near)				T.	10.0	8.5		1.0		19.5
Grass Valley				2.0	5.0	1.0		1.0		9.0
Happy Camp		2.5		7.0	8.5	2.5				20.5
Hayfork				25.0	19.0	3.5				47.5
Hetch Hetchy			5.0	37.0	23.0	23.0	T.	2.0		90.0
Hot Springs				1.0						1.0
Hullville (near)				4.5	17.5		0.1	T.	T.	22.1
Huntington Lake		21.5	25.5	56.0	73.0	46.0	34.0	9.0	7.0	272.0
Independence			T.		4.9	T.				4.9
Inskip		9.2	5.0	88.0	128.0	37.5	20.0	6.0	11.0	304.7
Julian			T.	1.0	6.0	5.0	T.	2.0		14.0
Kennett				2.0						2.0
Lake Eleanor		10.0	10.0	37.5	58.0	32.0	8.0	9.0		164.5
Lake Spaulding		18.0	8.5	90.8	110.2	15.5	13.0	6.8	4.0	266.8
La Porte		12.5	8.0	66.1	69.6	33.4	20.5	5.0	7.1	222.2
Lick Observatory				T.	12.8		T.	T.	T.	12.8
Los Angeles										0.0
McCloud			T.	47.5	78.5	13.0	7.5	T.	3.0	149.5

[1] Includes June, 1921: Blue Canyon, 2.0; Canyon Dam, 0.5; Fordyce Dam, 4.0.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
California—Continued.										
Madeline	3.0	6.0	4.0	32.0	24.0	20.0	11.0	8.0	2.0	[1] 114.0
Markleeville	.....	1.0	10.0	19.0	29.0	4.0	3.0	.....	.....	66.0
Mill Creek (No. 1)	.....	.....	.....	2.0	6.0	4.5	.....	1.0	.....	13.5
Mokelumne Hill	.....	.....	.....	.....	.....	1.0	.....	.....	.....	1.0
Montague	.....	.....	.....	6.5	4.0	7.0	.....	T.	T.	17.5
Mount Tamalpais	.....	.....	.....	0.1	1.1	0.1	.....	.....	(*)	.....
Mount Wilson	.....	1.0	7.0	3.0	16.0	8.0	T.	3.0	11.0	49.0
Nellie	.....	.....	1.0	1.2	10.2	6.0	0.5	.....	.....	18.9
Nevada City	.....	.....	1.0	3.5	9.5	1.0	.....	1.0	T.	16.0
North Bloomfield	.....	T.	.....	8.0	14.0	T.	.....	T.	1.8	23.8
North Fork	.....	.....	.....	.....	8.0	8.5	.....	T.	.....	16.5
Placerville	.....	T.	.....	0.5	9.0	T.	T.	T.	.....	9.5
Point Reyes Light	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Portola	T.	12.0	12.0	33.0	39.0	(*)	4.0	(*)	.....	.....
Quincy	.....	3.0	1.0	25.0	30.0	6.0	8.0	1.0	T.	74.0
Red Bluff	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Ruth	.....	.....	.....	6.0	14.5	4.0	1.0	2.0	0.5	27.5
Sacramento	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
San Diego	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
San Francisco	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
San Jose	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
San Luis Obispo	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Seven Oaks	.....	6.0	4.0	6.0	11.0	11.0	3.0	4.0	8.0	53.0
Shield's Ranch	.....	T.	8.0	7.0	28.5	T.	T.	.....	T.	43.5
Sierraville	.....	4.0	4.0	17.0	29.0	8.0	4.0	.....	11.0	77.0
Sisson	.....	.....	.....	45.0	85.0	13.0	17.0	.....	.....	160.0
Springville (near)	.....	2.0	.....	11.0	26.5	25.0	T.	9.0	1.0	74.5
Squirrel Inn	.....	10.0	4.0	5.0	56.5	10.0	2.0	7.0	22.0	116.5
Standish	.....	2.0	.....	7.0	6.5	.....	.....	.....	.....	15.5
Summit	1.0	49.0	65.0	110.0	107.0	45.0	27.0	10.0	29.0	[1] 444.0
Tahoe	0.5	22.0	19.0	59.0	55.0	18.0	6.5	.....	12.0	192.0
Tamarack	1.0	61.0	66.0	125.0	147.0	29.0	25.0	16.0	27.0	[1] 500.0
Twin Lakes	3.0	58.5	46.0	116.5	266.0	(*)	(*)	(*)	(*)	.....
Weaverville	.....	.....	.....	11.1	7.0	2.0	.....	.....	.....	20.1
West Branch	.....	.....	2.5	16.0	40.5	12.0	T.	T.	1.0	71.0
Yosemite	.....	4.0	7.0	19.0	31.0	18.1	4.0	T.	T.	83.1
Yreka	.....	.....	.....	9.0	7.0	1.0	.....	.....	.....	17.0
Colorado.										
Ashcroft	.....	16.0	(*)	20.0	23.5	(*)	34.0	29.0	.....	.....
Auldhurst	.....	7.0	1.0	10.5	7.0	4.0	12.0	45.5	.....	[2] 88.0
Boulder	.....	6.0	13.3	14.7	4.4	4.0	8.8	13.6	.....	64.8
Buena Vista (near)	.....	12.0	15.0	4.0	5.0	1.5	2.0	10.5	.....	50.0
Burlington	.....	1.0	3.0	7.0	.....	2.0	.....	2.0	.....	15.0
Calhan	.....	7.0	3.0	3.0	7.5	3.0	5.3	14.0	T.	42.8
Castle Rock	.....	5.5	1.0	6.1	14.0	3.0	7.0	16.0	.....	52.6
Cheyenne Wells	.....	.....	2.0	9.0	3.0	3.0	2.2	2.0	.....	21.2
Columbine	6.5	23.5	23.2	28.5	39.0	31.5	21.5	17.0	10.7	201.4
Crawford (near)	T.	12.5	4.0	9.0	6.0	9.0	2.0	10.0	.....	52.5
Crested Butte	2.0	19.0	19.0	29.0	26.0	29.0	19.0	20.0	24.0	187.0
Cumbres	1.0	40.0	8.2	55.2	54.5	29.0	27.5	41.5	12.0	268.9
Del Norte	.....	.....	2.6	1.6	1.4	2.5	0.4	2.0	.....	10.5
Denver	.....	4.7	5.6	7.2	12.0	4.5	6.5	16.2	.....	56.7
Dillon	2.0	7.4	18.5	22.4	17.2	9.9	32.8	43.7	.....	153.8
Dolores	.....	13.0	.....	15.0	4.0	6.0	(*)	2.0	.....	.....
Dove Creek	.....	13.0	8.0	18.0	4.0	7.0	5.0	25.0	.....	80.0
Elk Creek	T.	20.0	2.0	24.0	10.7	0.7	11.0	59.0	T.	[2] 129.4
Estes Park	.....	14.0	9.0	13.0	21.0	6.0	15.0	68.2	.....	146.2
Fort Lupton	.....	3.0	5.5	7.5	11.0	3.0	5.0	16.5	.....	51.5
Fraser	4.0	7.5	28.5	32.0	37.5	23.5	31.5	68.5	13.0	246.0
Fry's Ranch	.....	6.0	6.0	20.0	7.5	4.0	8.5	75.0	.....	127.0
Garfield	T.	25.0	11.0	31.5	22.9	22.7	35.2	22.1	3.2	173.6
Glenwood Springs	3.0	5.0	2.0	28.0	15.0	19.5	(*)	11.0	.....	.....
Grand Junction	.....	3.0	T.	3.7	T.	2.9	T.	2.4	T.	12.0
Grandlake	(*)	T.	13.0	15.5	17.5	11.0	10.0	58.0	T.	.....
Greeley	.....	2.5	1.0	4.0	12.5	3.5	2.2	6.0	.....	31.7

[1] Includes June, 1921: Madeline, 4.0; Summit, 1.0; Tamarack, 3.0.
[2] Includes June, 1921: Auldhurst, 1.0; Elk Creek, 2.0.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Colorado—Continued.										
Grover (near)	.....	6.0	T.	5.0	9.0	14.0	3.0	7.0	0.4	44.4
Gunnison	T.	T.	1.5	16.5	10.0	9.5	4.0	7.0	T.	48.5
Hartsel	T.	12.0	2.0	5.5	4.5	2.0	6.3	21.4	.....	53.7
Idaho Springs	.....	12.2	3.2	13.5	6.9	T.	12.5	61.5	.....	109.8
Julesburg	.....	5.0	0.1	7.0	4.2	5.0	T.	(*)	.....	.....
Lake Moraine	.....	34.0	1.0	13.0	12.0	11.0	19.0	48.0	T.	[1] 143.0
La Porte	.....	3.0	8.0	9.5	9.0	4.0	0.5	13.8	.....	47.8
Las Animas	.....	0.5	1.0	4.0	1.0	4.5	1.5	T.	.....	12.5
La Veta Pass	T.	76.0	0.2	37.0	10.0	33.0	30.0	49.0	3.0	238.2
Lay	4.0	13.5	9.5	13.0	9.0	13.0	10.5	17.0	.....	89.5
Meeker (near)	T.	9.0	7.5	13.0	9.5	9.0	6.0	9.4	.....	63.4
Nast	(*)	(*)	17.5	27.5	21.2	20.5	22.0	19.5	3.0	.....
Palisade Lake	.....	47.8	23.0	35.8	27.5	13.5	30.0	21.0	13.0	211.6
Paonia	.....	4.5	.....	12.0	6.3	14.8	4.0	9.0	.....	50.6
Pueblo	.....	0.3	2.6	1.5	0.5	0.7	0.8	3.6	.....	10.0
Pyramid	9.5	22.5	41.5	51.5	25.2	37.7	53.1	37.4	8.0	286.4
Redvale	.....	17.0	1.3	21.0	7.8	8.9	4.0	16.8	T.	76.8
Saguache	T.	7.5	6.0	11.0	T.	.....	0.8	7.0	.....	32.3
San Luis	.....	24.5	1.5	11.5	5.0	4.0	(*)	(*)	(*)	.....
Sedgwick	.....	6.0	.....	6.8	8.0	6.0	2.0	2.0	.....	30.8
Shoshone	.....	1.0	2.2	41.2	34.5	37.0	3.0	16.0	.....	134.9
Silver Lake	1.5	17.5	65.0	89.0	77.0	75.0	85.5	185.0	25.0	[2] 626.7
Simpson	.....	6.0	2.5	6.0	4.5	9.0	4.5	13.0	.....	45.5
Spicer (near)	3.0	13.0	7.5	18.0	15.0	9.0	17.0	11.0	1.0	94.5
Steamboat Springs	4.0	26.5	23.2	48.4	49.6	47.4	26.3	29.3	8.0	262.7
Sterling	.....	3.0	0.5	7.0	7.5	3.0	4.5	12.0	.....	37.5
Tacoma	.....	8.0	7.0	6.0	9.0	10.0	2.0	6.0	2.0	50.0
Telluride	.....	27.5	13.5	28.0	28.0	(*)	42.0	62.0	T.	.....
Trinidad	.....	16.7	2.7	11.2	0.3	10.0	11.6	12.0	.....	64.5
Trout Lake	4.0	40.0	24.7	32.5	30.0	21.5	37.5	36.0	6.0	232.2
Two Buttes Reservoir	.....	T.	2.0	1.2	(*)	5.0	4.0	T.	.....	.....
Victor (near)	2.5	4.5	0.2	7.0	8.2	6.6	12.0	26.5	T.	67.5
Wagon Wheel Gap	1.6	26.7	13.7	13.4	10.8	6.3	9.2	13.1	6.4	101.2
Westcliffe	.....	14.0	2.0	7.0	2.0	(*)	(*)	(*)	(*)	.....
Wray	.....	.....	T.	3.5	4.0	T.	4.0	3.0	.....	14.5
Connecticut.										
Bridgeport	.....	.....	0.3	3.0	6.0	15.5	T.	T.	.....	24.8
Canton	.....	.....	4.0	4.0	5.0	22.0	0.0	.....	.....	35.0
Colchester	.....	.....	2.0	3.0	2.5	21.0	T.	1.0	.....	29.5
Cream Hill	.....	T.	9.8	11.5	13.5	24.5	.....	5.0	.....	64.3
Hartford	.....	.....	T.	2.6	2.3	21.2	T.	T.	.....	26.1
New Haven	.....	.....	T.	1.6	3.7	15.7	T.	T.	.....	21.0
New London	.....	.....	T.	1.5	1.5	16.0	0.0	T.	.....	19.0
Norwalk	.....	.....	0.5	2.0	5.0	17.0	.....	.....	.....	24.5
Torrington	.....	.....	0.3	5.3	1.1	21.4	.....	.....	.....	28.1
Waterbury	.....	.....	0.5	3.0	0.8	11.8	T.	.....	.....	16.1
Delaware.										
Dover	.....	.....	.....	0.5	0.5	7.6	.....	6.0	.....	14.6
Milford	.....	.....	.....	T.	T.	7.2	.....	2.0	.....	9.2
Seaford	.....	.....	.....	T.	T.	5.2	T.	5.5	.....	10.7
District of Columbia.										
Washington (Weather Bureau)	.....	.....	T.	0.2	1.5	5.1	.....	T.	.....	6.8
Florida.[3]										
Georgia.										
Albany	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Athens	.....	.....	.....	.....	0.5	2.0	.....	.....	.....	2.5
Atlanta	.....	.....	.....	.....	0.6	T.	.....	.....	.....	0.6
Augusta	.....	.....	.....	.....	0.2	T.	.....	.....	.....	0.2
Blue Ridge	.....	.....	T.	.....	5.1	1.4	.....	.....	T.	6.5

[1] Includes June, 1921: Lake Moraine, 5.0.
[2] Includes at Silver Lake: August, 1920, T.; June, 1921, 6.2.
[3] No snowfall reported in the State this season.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Georgia—Continued.										
Brunswick					T.					T.
Concord					0.1					0.1
Cornelia				T.	2.2	3.2				5.4
Dahlonega					4.1	2.0				6.1
Gainesville					3.5	3.0				6.5
Lisbon				T.	0.6	1.0				1.6
Macon					T.					T.
Norcross					0.6	1.5				2.1
Ramhurst					2.0					2.0
Rome					3.0	T.				3.0
Savannah					0.5					0.5
Statesboro					T.					T.
Thomasville										0.0
Toccoa					3.0	2.0				5.0
Waycross										0.0
Waynesboro					0.1					0.1
Idaho.										
Alpha	T.	4.0	4.5	37.0	42.0	33.5	13.0	6.5	0.5	141.0
American Falls		21.5	5.0	4.0	8.5	(*)	(*)	(*)		
Arco	T.	9.0	4.0	18.0	21.0	4.0				56.0
Ashton		7.0	6.0	21.0	29.0	11.5	2.0	T.		76.5
Avery			2.0	12.0	17.0	17.0	7.0			55.0
Blackfoot		15.5	1.5	3.0	7.5	3.5	1.0	11.0		43.0
Bogus Creek	T.	3.5	7.0	23.2	28.0	25.0	2.0	11.0		99.7
Boise		T.	2.4	4.9	6.9	2.3	T.	2.7		19.2
Boulder Mine		5.7	10.0	50.6	39.3	(*)	7.9	2.0		
Brownlee		1.0	T.	16.7	28.0	27.5		4.0		77.2
Cambridge			1.0	21.5	17.0	28.5		T.		68.0
Council		2.0	T.	15.9	21.0	21.0	T.	1.5		61.4
Cuprum		6.0	3.0	49.0	48.0	27.5	10.0	10.0	T.	153.5
Driggs	(*)	4.5	9.5	20.5	9.0	6.5	5.0	3.0		58.0
Felt			4.0	20.2	13.1	9.8	4.0			51.1
Geneva	4.0	16.0	9.0	20.0	18.0	15.0	13.0	6.0		101.0
Grace		10.2	4.0	14.9	15.5	12.7	0.5	10.5		68.3
Grimes Pass		5.5	7.8	46.1	46.0	31.3	7.2	6.7		150.6
Hailey		4.2	6.8	39.0	24.0	10.0	4.0	7.0		95.0
Idaho Falls		8.0	2.0	17.5	10.0	6.4	2.0	10.5		56.4
Irwin		5.5	5.0	20.0	12.0	11.0	5.0	T.		58.5
Kirkham		4.0	1.0	43.0	35.5	14.9	5.0	1.0		104.4
Kooskia			7.4	5.5	6.5	14.5	T.			33.9
Lewiston				0.1	1.2	0.2	T.			1.5
Lifton	T.	12.5	3.5	6.5	6.2	7.5	3.8	9.0		49.0
Little Camas	T.	4.0	14.7	37.0	(*)	(*)	2.5	6.0	T.	
Long Gulch	(*)	3.0	5.5	40.1	(*)	29.5	2.0	(*)		
Loon Creek	(*)	4.0	9.5	26.1	22.3	12.3	11.5	7.6	0.5	93.8
McCall	T.	5.0	6.9	40.0	46.0	16.0	13.0	2.0		128.9
Mackay		10.0	4.5	16.5	14.7	4.0	1.0	9.0		59.7
Malad		7.0	3.0	19.3	17.8	15.5		6.5		69.1
Montpelier		6.0	1.0	11.0	12.0	10.0		6.0		46.0
Moscow			T.	14.0	17.5	19.5	7.5	6.0		64.5
Musselshell			3.5	31.7	43.2	34.0	12.2	19.0	T.	143.6
New Meadows		4.0	4.5	32.5	50.3	22.6	6.9	1.5		122.3
Oakley		24.0	T.	5.5	5.2	3.0		24.7		62.4
Obsidian	1.0	5.0	14.0	24.5	24.9	19.7	17.7	11.5		118.3
Pine		T.	13.0	51.0	32.0	42.0	3.0	3.0		144.0
Pocatello	T.	18.1	4.9	13.1	8.7	6.4	1.6	22.5		75.3
Prichard				18.0	10.0	3.0				31.0
Priest River Experiment Station			T.	18.5	27.3	15.2	13.9	1.2		76.1
Pyle Creek		T.	1.0	21.2	27.2	29.0	4.0	T.		82.4
Rice	8.0	1.0	8.0	39.0	33.5	19.0	4.5			113.0
St. Michael's Priory		2.5	12.0	22.1	22.9	19.0	5.0	23.0	3.5	110.0
Sandpoint				13.0	20.0	5.0	6.0	2.0		46.0
Sheep Hill		T.	8.5	46.5	36.6	43.0	3.3	0.5	T.	138.4
Soldier Creek	1.0	7.6	21.4	62.1	42.0	33.2	9.5	7.2		184.0
Spencer	3.0	12.0	15.0	22.5	22.5	8.5	5.5	3.0		92.0
Stanley	3.0	14.2	4.5	17.0	21.0	6.0	6.0	8.5		80.2
Sugar	T.	3.7	T.	21.5	16.0	5.5	T.	5.4		52.1
Tripod Mountain		1.5	T.	26.1	25.9	28.4	T.	3.0		84.9
Wallace		T.	2.7	24.1	32.0	11.9	21.2	2.5		94.4

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Illinois.										
Aurora	.....	T.	T.	2.7	2.2	0.2	T.	0.6	.....	5.7
Bloomington	.....	T.	0.3	6.6	3.1	T.	.....	0.5	.....	10.5
Cairo	.....	.....	T.	0.4	4.5	9.0	.....	T.	.....	13.9
Charlestown	.....	T.	T.	4.0	2.4	0.4	.....	T.	.....	6.8
Chicago	.....	0.2	1.3	4.4	3.2	0.3	T.	0.4	.....	9.8
Danville	.....	T.	T.	6.0	4.3	T.	.....	4.0	.....	14.3
Decatur	.....	T.	0.1	5.0	3.5	1.2	T.	2.0	.....	11.8
Dixon	.....	T.	T.	6.4	2.8	0.6	T.	1.1	.....	10.9
Du Quoin	.....	.....	T.	1.0	1.8	3.2	1.0	T.	.....	7.0
Flora	.....	T.	T.	3.5	2.6	1.0	0.3	T.	.....	7.4
Freeport	.....	2.0	1.0	6.0	2.5	2.0	.....	14.0	.....	27.5
Galva	.....	.....	0.6	5.3	6.8	2.0	T.	T.	.....	14.7
Hillsboro	.....	T.	T.	3.3	2.1	0.1	.....	T.	.....	5.5
Kankakee	.....	T.	T.	5.2	1.8	T.	.....	T.	.....	7.0
La Harpe	.....	T.	T.	4.5	10.5	3.0	.....	.....	.....	18.0
La Salle	.....	.....	0.1	3.4	1.3	T.	.....	0.3	.....	5.1
McLeansboro	.....	T.	T.	3.0	1.8	4.2	0.3	T.	.....	9.3
Marengo	.....	T.	T.	3.0	2.0	4.0	1.0	6.0	T.	16.0
Mascoutah	.....	.....	T.	3.0	2.0	T.	T.	T.	.....	5.0
Mount Carmel	.....	T.	T.	2.2	2.3	4.2	T.	.....	.....	8.7
New Burnside	.....	.....	T.	1.6	3.5	9.4	.....	T.	.....	14.5
Peoria	.....	T.	0.5	4.6	3.2	0.2	T.	0.1	.....	8.6
Pontiac	.....	T.	1.0	8.5	3.0	T.	.....	0.5	.....	13.0
Rushville	.....	T.	T.	3.0	5.0	2.0	T.	0.5	.....	10.5
Springfield	.....	T.	0.4	7.5	3.6	0.7	0.2	0.8	.....	13.2
White Hall	.....	T.	T.	6.4	2.5	0.7	T.	0.8	.....	9.9
Indiana.										
Angola	.....	.....	4.0	8.0	5.0	2.5	T.	4.0	.....	23.5
Bluffton	.....	T.	5.0	5.6	4.5	4.5	T.	1.0	.....	20.6
Butlerville	.....	.....	3.9	3.0	3.3	3.1	.....	0.5	.....	13.8
Cambridge City	.....	.....	9.0	4.8	3.5	2.0	0.5	T.	.....	19.8
Evansville	.....	T.	T.	2.0	3.0	8.5	T.	T.	.....	13.5
Fort Wayne	.....	T.	4.4	4.7	6.0	2.3	T.	1.8	.....	19.2
Indianapolis (Weather Bureau)	.....	T.	2.6	5.6	4.9	3.9	0.1	0.2	.....	17.3
Kokomo	.....	T.	2.0	8.0	6.5	5.0	.....	0.1	.....	21.6
Lafayette	.....	T.	T.	6.7	5.2	T.	.....	T.	.....	11.9
Madison	.....	.....	5.5	1.4	2.8	4.0	T.	T.	.....	13.7
Marengo	.....	.....	T.	1.6	3.2	6.3	.....	.....	.....	11.1
Marion	.....	T.	6.0	5.0	3.8	1.5	.....	T.	.....	16.3
Mauzy	.....	.....	4.1	5.2	5.2	4.2	0.7	0.3	.....	19.7
Richmond	.....	T.	9.1	5.3	3.9	5.3	0.3	0.5	.....	24.4
Royal Center	.....	T.	0.1	8.7	4.4	0.3	T.	1.4	.....	14.9
Scottsburg	.....	.....	3.0	1.5	4.0	3.0	T.	T.	.....	11.5
South Bend	.....	T.	6.0	6.1	7.1	0.9	T.	0.8	.....	20.9
Terre Haute	.....	T.	T.	5.7	4.8	0.1	.....	T.	.....	10.6
Valparaiso	.....	1.6	3.6	6.1	6.4	0.8	T.	2.1	.....	20.6
Iowa.										
Alta	.....	.....	2.0	7.0	2.8	7.2	T.	.....	.....	19.0
Belle Plaine	.....	.....	3.8	5.3	3.7	5.6	0.3	10.7	.....	29.4
Britt	.....	.....	T.	6.3	1.8	5.3	T.	0.2	.....	13.6
Centerville	.....	.....	T.	2.5	5.0	1.2	1.5	3.0	.....	13.2
Charles City	.....	T.	3.7	16.1	6.6	12.0	0.3	0.5	.....	39.2
Davenport	.....	.....	0.4	6.9	3.5	0.5	T.	2.7	.....	14.0
Delaware	.....	.....	2.5	5.5	3.5	2.1	.....	4.0	.....	17.6
Denison	.....	.....	T.	2.0	1.5	10.0	T.	T.	.....	13.5
Des Moines	.....	.....	0.8	8.8	4.3	6.6	0.2	8.9	.....	29.6
Dubuque	.....	0.1	1.4	5.6	3.0	2.9	T.	10.1	.....	23.1
Greenfield	.....	.....	1.2	5.9	7.1	7.3	.....	7.0	.....	28.5
Humboldt	.....	.....	T.	10.5	2.5	14.0	T.	T.	.....	27.0
Inwood	.....	.....	3.5	13.3	2.6	1.9	3.2	T.	.....	24.5
Iowa City	.....	T.	3.5	9.0	5.0	2.0	.....	6.0	.....	25.5
Iowa Falls	.....	.....	3.7	12.7	3.7	15.0	T.	4.7	.....	39.8
Jefferson	.....	.....	T.	7.5	4.0	15.0	T.	T.	.....	26.5
Keokuk	.....	T.	T.	2.1	7.6	3.2	T.	0.9	.....	13.8
Little Sioux	.....	.....	T.	8.0	2.5	11.0	.....	.....	.....	21.5
Marshalltown	.....	T.	4.4	8.1	3.4	7.5	T.	5.6	.....	29.0
Milford (near)	.....	.....	T.	6.1	2.4	7.2	0.2	T.	.....	15.9
Mount Ayr	.....	.....	0.2	2.7	8.0	2.4	0.5	8.0	.....	21.5

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Iowa—Continued.										
Mount Pleasant	.....	T.	T.	5.6	4.0	1.0	T.	3.0	.....	13.6
Oakland	.....	.....	T.	5.5	4.5	10.5	T.	0.5	.....	21.0
Oskaloosa	.....	.....	4.3	9.8	6.5	4.6	T.	12.5	.....	37.7
Postville	.....	.....	2.5	9.1	6.1	5.7	0.5	2.7	.....	26.6
Sioux City	.....	.....	0.4	14.2	4.0	9.8	0.1	T.	.....	28.5
Thurman	.....	.....	T.	11.5	7.3	4.0	T.	4.0	.....	26.8
Waterloo	.....	.....	3.8	8.4	2.5	4.7	T.	5.3	.....	24.7
Kansas.										
Burlington	.....	.....	.....	T.	5.5	T.	T.	1.5	.....	7.0
Colby	.....	.....	2.5	11.0	T.	0.5	(*)	5.0	.....	.....
Columbus	.....	.....	T.	0.7	8.5	0.2	T.	T.	.....	9.4
Concordia	.....	.....	4.3	2.7	1.4	0.6	0.2	0.1	.....	9.3
Dalton	.....	.....	0.4	T.	3.0	0.5	.....	.....	.....	3.9
Dodge City	.....	.....	0.8	0.2	0.1	7.1	0.1	T.	.....	8.3
Garden City	.....	.....	1.5	1.0	3.0	10.0	1.2	T.	.....	16.7
Grenola	.....	.....	.....	T.	6.0	T.	.....	T.	.....	6.0
Horton	.....	.....	T.	3.5	4.0	T.	.....	7.0	.....	14.5
Hutchinson	.....	.....	1.0	0.5	1.5	.....	(*)	T.	.....	.....
Independence	.....	.....	.....	0.3	7.5	T.	.....	.....	.....	7.8
Iola	.....	.....	T.	T.	9.5	T.	T.	T.	.....	9.5
Lakin	.....	.....	2.0	T.	1.0	9.0	0.3	T.	.....	12.3
Liberal	.....	.....	0.2	0.5	T.	7.0	(*)	.....	.....	.....
McPherson	.....	.....	2.5	2.5	1.5	.....	T.	1.5	.....	8.0
Manhattan	.....	.....	T.	T.	4.0	.....	0.3	0.3	.....	4.6
Marion	.....	.....	.....	1.0	.....	T.	(*)	T.	.....	.....
Medicine Lodge	.....	.....	T.	T.	1.0	0.8	.....	T.	.....	1.8
Minneapolis	.....	.....	3.8	3.0	0.5	0.5	T.	2.0	.....	9.8
Oketo	.....	.....	T.	2.5	4.0	0.5	T.	1.5	.....	8.5
Phillipsburg	.....	.....	0.6	1.5	T.	0.5	0.3	0.5	.....	3.4
Richfield	.....	.....	1.5	5.0	1.5	6.5	4.0	T.	.....	18.5
St. Francis	.....	T.	0.5	5.8	0.5	0.2	0.2	0.2	.....	7.4
Sedan	.....	.....	.....	1.0	10.0	T.	.....	.....	.....	11.0
Topeka	.....	.....	T.	5.3	3.2	0.4	0.2	1.0	.....	10.1
Wakeeney	.....	.....	T.	T.	T.	2.0	T.	3.0	.....	5.0
Wichita	.....	.....	T.	T.	2.4	T.	0.6	T.	.....	3.0
Kentucky.										
Beattyville	.....	.....	6.6	1.0	5.3	10.4	.....	T.	.....	23.3
Berea	.....	.....	4.5	3.0	4.5	11.5	.....	T.	.....	23.5
Blandville	.....	.....	.....	0.2	4.0	12.0	.....	T.	.....	16.2
Bowling Green	.....	.....	T.	T.	4.0	11.0	.....	.....	.....	15.0
Calhoun	.....	.....	T.	3.0	1.5	11.5	T.	T.	.....	16.0
Earlington	.....	.....	.....	3.0	4.5	13.2	.....	.....	.....	20.7
Eubank	.....	.....	2.0	2.0	3.7	14.2	.....	.....	.....	21.9
Frankfort	.....	.....	4.0	2.0	6.0	8.5	T.	T.	.....	20.5
Greensburg	.....	.....	0.5	T.	5.5	11.6	.....	T.	.....	17.6
Hopkinsville	.....	.....	.....	T.	2.7	13.2	.....	.....	.....	15.9
Junction City	.....	.....	3.0	5.2	8.0	9.0	.....	0.8	.....	26.0
Leitchfield	.....	.....	0.5	2.5	3.0	9.5	.....	.....	.....	15.5
Lexington	.....	.....	5.0	2.5	9.8	8.9	.....	0.1	.....	26.3
Louisville	.....	.....	1.5	3.0	3.9	9.0	T.	T.	.....	17.4
Maysville	.....	.....	8.0	6.0	4.5	7.0	T.	.....	.....	25.5
Mount Sterling	.....	.....	6.0	3.0	5.0	10.0	.....	T.	.....	24.0
Owensboro	.....	T.	T.	2.0	2.0	8.0	.....	.....	.....	12.0
St. John	.....	.....	1.0	6.0	7.0	11.0	.....	T.	.....	25.0
Scott	.....	.....	5.0	2.3	2.1	3.5	0.5	T.	.....	13.4
Taylorsville	.....	.....	3.0	2.5	5.0	9.2	T.	T.	.....	19.7
Williamsburg	.....	.....	8.0	T.	7.0	3.8	.....	T.	.....	18.8
Louisiana.[1]										
Plain Dealing	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Maine.										
Cornish	.....	.....	14.0	10.5	8.0	21.5	2.0	T.	.....	56.0
Eastport	.....	.....	8.6	14.2	7.5	15.2	5.1	4.5	.....	55.1
Farmington	.....	.....	19.5	18.0	9.5	16.0	3.5	1.0	.....	67.5
Gardiner	.....	.....	10.0	18.0	10.0	23.0	5.0	.....	.....	66.0

[1] No snowfall reported in the State this season, except at station shown.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Maine—Continued.										
Greenville	.....	T.	14.9	30.3	13.8	15.2	6.3	1.2	0.8	82.5
Houlton	.....	.....	18.0	34.0	20.0	24.0	11.0	3.0	.....	110.0
Lewiston	.....	.....	13.3	14.2	8.0	23.8	2.0	T.	.....	61.3
Madison	.....	.....	10.0	6.0	5.5	13.0	1.0	.....	.....	35.5
Millinocket	.....	.....	9.0	36.5	10.2	11.0	6.2	0.5	.....	73.4
North Bridgton	.....	.....	15.0	11.0	10.5	13.0	3.0	T.	.....	42.5
Orono	.....	.....	10.3	15.5	4.0	10.8	2.0	.....	.....	42.6
Portland	.....	.....	15.2	12.3	4.2	26.7	T.	T.	.....	58.4
Presque Isle	.....	.....	11.0	30.0	9.0	11.0	4.0	6.0	.....	71.0
Rumford	.....	.....	14.0	18.2	6.5	18.8	2.4	T.	.....	59.9
Van Buren	.....	.....	16.5	35.3	15.8	8.0	20.5	18.0	.....	114.1
Winslow	.....	.....	8.0	9.5	3.5	11.0	2.5	.....	.....	34.5
Woodland	.....	T.	10.2	13.5	9.9	13.0	3.5	3.4	.....	53.5
Maryland.										
Baltimore (Weather Bureau)	.....	.....	T.	0.5	0.2	7.2	.....	T.	.....	7.9
Chewsville	.....	.....	2.0	0.7	3.0	16.5	T.	0.4	.....	22.6
Clear Spring	.....	.....	2.8	1.3	2.5	16.9	.....	T.	.....	23.5
Cumberland	.....	.....	2.0	4.0	(*)	18.0	T.	T.	.....	.....
Easton	.....	.....	.....	T.	T.	3.8	.....	1.0	.....	4.8
Ferry Landing	.....	.....	.....	T.	1.0	2.8	.....	T.	.....	3.8
Frederick	.....	.....	0.8	1.0	1.0	13.8	.....	T.	T.	16.6
Great Falls	.....	.....	.....	0.5	1.0	7.5	.....	T.	.....	9.0
Oakland	.....	1.6	6.2	15.2	6.7	18.2	0.6	3.2	T.	51.7
Princess Anne	.....	.....	.....	T.	T.	1.0	T.	3.0	.....	4.0
Solomons	.....	.....	.....	T.	0.5	3.2	T.	T.	.....	3.7
State Sanatorium	.....	.....	1.0	1.0	3.5	16.5	.....	T.	T.	22.0
Western Port	.....	T.	6.0	4.0	3.5	16.8	T.	T	.....	30.3
Massachusetts.										
Amherst	.....	.....	5.5	7.0	7.5	20.5	.....	1.0	.....	41.5
Blue Hill	.....	.....	5.0	6.4	10.3	27.4	T.	1.1	.....	50.2
Boston	.....	.....	1.8	5.5	3.6	23.2	T.	T.	.....	34.1
Clinton	.....	.....	2.5	5.8	4.0	24.1	.....	.....	.....	36.4
Concord	.....	.....	3.6	7.1	4.8	25.0	.....	0.1	.....	40.6
Fall River	.....	.....	.....	2.0	1.8	18.5	.....	T.	.....	22.3
Fitchburg	.....	.....	5.0	5.0	7.0	26.0	.....	1.0	.....	44.0
Framingham	.....	.....	3.0	4.8	5.2	26.5	.....	1.0	.....	40.5
Lawrence	.....	.....	4.0	6.2	5.0	21.0	0.2	.....	.....	36.4
Nantucket	.....	.....	.....	2.2	0.9	3.4	T.	T.	.....	6.5
Plymouth	.....	.....	1.0	5.0	6.5	17.0	T.	T.	.....	29.5
Provincetown	.....	.....	T.	T	5.0	14.0	.....	T.	.....	19.0
Rockport	.....	.....	.....	5.0	2.5	20.5	T.	.....	.....	28.0
Rutland	.....	.....	3.0	4.5	9.5	22.5	0.5	2.0	.....	42.0
Turners Falls	.....	.....	3.5	4.0	5.8	25.2	.....	.....	.....	38.5
Williamstown	.....	.....	6.8	9.1	9.7	23.7	T.	.....	.....	49.3
Worcester	.....	.....	1.1	5.4	7.5	18.6	T.	T.	.....	32.6
Michigan.										
Adrian	.....	.....	1.5	(*)	(*)	(*)	1.5	3.0	.....	.....
Alma	.....	T.	3.0	8.3	3.0	10.0	2.5	1.0	.....	27.8
Alpena	.....	0.9	4.6	16.6	3.7	11.1	7.9	1.2	T.	46.0
Ann Arbor	.....	T.	4.3	8.4	1.2	12.1	2.5	5.2	.....	33.7
Arbela	.....	.....	1.5	6.0	3.0	7.0	1.0	2.0	T.	20.5
Battle Creek (No. 1)	.....	T.	3.5	12.0	T.	4.0	2.0	2.0	.....	23.5
Cadillac	.....	.....	(*)	15.4	5.5	9.0	2.0	6.0	.....	.....
Charlevoix	.....	.....	4.0	26.0	(*)	(*)	(*)	T.	T.	.....
Croton	.....	.....	3.5	13.5	6.0	7.0	1.5	2.0	.....	33.5
Detroit	.....	.....	5.4	7.3	0.8	14.2	3.8	4.6	.....	36.1
Eagle Harbor	.....	T.	5.5	18.0	8.2	(*)	7.5	1.0	0.5	.....
East Tawas	.....	.....	1.0	8.2	3.5	7.0	0.5	5.5	.....	25.7
Escanaba	.....	T.	3.9	13.7	8.9	12.0	3.9	T.	0.1	42.5
Fife Lake (near)	.....	T.	6.0	15.7	10.5	7.5	4.5	5.5	T.	49.7
Flint (No. 1)	.....	.....	6.2	6.9	0.7	4.0	4.0	1.0	.....	22.8
Frankfort	.....	T.	1.9	12.3	6.8	8.0	0.5	.....	.....	29.5
Ganges	.....	.....	5.0	3.0	2.0	1.0	T.	1.0	.....	12.0
Grand Haven	.....	T.	10.4	11.5	4.2	9.5	2.2	3.2	.....	41.0
Grand Rapids	.....	T.	6.5	13.6	1.1	8.5	1.8	1.0	.....	32.5
Grayling	.....	T.	4.0	14.0	4.5	6.5	0.5	6.0	T.	35.5

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Michigan—Continued.										
Harbor Beach	.....	T.	1.0	7.5	(*)	(*)	T.	1.0	.....	.....
Harrison	.....	T.	T.	10.0	(*)	8.0	(*)	5.0	(*)	.....
Hillsdale	.....	.....	4.1	10.4	2.7	4.7	2.0	5.0	.....	28.9
Houghton	.....	0.6	20.5	39.9	6.1	32.6	14.7	0.2	2.1	116.7
Howell	.....	.....	1.4	2.5	T.	5.1	1.0	6.5	.....	16.5
Iron Mountain	.....	T.	9.5	14.0	2.0	10.5	2.0	.....	T.	38.0
Ironwood	T.	1.0	28.0	39.0	16.0	17.0	9.0	4.0	2.0	116.0
Ishpeming	T.	3.0	16.5	5.2	5.2	8.0	10.7	1.6	T.	50.2
Ivan	.....	T.	8.0	16.9	9.2	15.7	2.5	10.0	T.	62.3
Jackson (No. 1)	.....	.....	3.6	13.4	1.9	7.9	.....	4.8	.....	31.6
Johannesburg	.....	T.	(*)	20.7	4.0	12.0	2.8	0.5	0.2	.....
Kalamazoo (No 1)	.....	T.	9.0	11.0	7.2	8.0	1.5	1.5	.....	38.2
Lansing	.....	T.	4.0	9.9	1.7	10.9	2.1	4.2	.....	32.8
Ludington	.....	T.	8.1	15.0	4.0	9.4	4.3	7.6	.....	48.4
Mackinaw	.....	0.2	2.5	17.9	7.0	6.5	2.5	.....	2.0	38.6
Mancelona	.....	.....	14.0	49.0	6.0	12.5	(*)	(*)	.....	.....
Marquette	.....	1.4	17.5	14.9	24.4	13.1	16.4	0.5	0.4	88.6
Menominee	.....	.....	T.	12.5	3.7	12.5	1.0	.....	.....	29.7
Mio	.....	.....	3.0	14.0	2.2	10.5	1.7	12.0	.....	43.4
Morenci	.....	.....	5.0	8.5	3.0	2.2	2.0	T.	.....	20.7
Muskegon	.....	.....	4.0	10.0	2.0	6.5	1.6	5.5	.....	29.6
Newberry	.....	0.7	13.2	28.5	15.6	7.5	10.7	T.	5.0	81.2
Old Mission	.....	T.	2.3	12.8	(*)	8.6	2.5	.....	.....	.....
Omer	.....	.....	1.0	7.5	2.5	4.5	1.0	4.0	T	20.5
Onaway (near)	.....	T.	5.5	24.0	7.0	8.0	4.8	.....	0.7	50.0
Port Huron	.....	T.	3.2	9.2	2.1	13.9	1.2	6.0	.....	35.6
Reed City	.....	T.	9.1	9.5	5.1	5.0	0.4	8.0	T.	37.1
Saginaw (Weather Bureau)	.....	.....	0.9	7.0	0.9	10.7	1.0	0.5	.....	21.0
St. James	.....	T.	2.0	16.0	7.0	6.5	5.5	T.	T.	37.0
Sault Ste. Marie	.....	0.2	7.5	33.1	10.5	8.5	7.4	0.1	4.9	72.2
Sidnaw	.....	T.	12.5	24.2	14.2	13.3	12.0	2.2	1.6	80.0
Wasepi	.....	.....	4.0	11.0	2.5	4.0	.....	3.0	.....	24.5
Webber Dam	.....	.....	1.0	7.5	T.	6.0	3.0	2.0	.....	19.5
Whitefish Point	.....	T.	12.3	44.7	14.5	17.5	24.4	T	11.0	124.4
Ypsilanti	.....	.....	3.0	8.0	0.2	7.0	3.0	8.0	.....	29.2
Minnesota.										
Ada	.....	.....	0.5	9.5	18.5	(*)	22.0	(*)	.....	.....
Albert Lea	.....	T.	1.0	5.0	7.0	T.	3.0	T.	.....	16.0
Alexandria	.....	.....	.....	8.0	4.8	8.0	5.0	0.5	.....	26.3
Argyle	T.	T.	2.5	4.7	5.0	10.5	7.0	0.5	.....	30.2
Baudette	.....	0.5	9.0	18.5	15.7	16.0	14.0	2.0	2.5	78.2
Beardsley	.....	.....	13.0	T.	1.0	1.0	5.0	T.	.....	10.0
Cloquet	T.	T.	15.2	10.3	5.5	5.8	12.5	3.5	.....	52.8
Collegeville	.....	.....	4.0	4.6	2.0	3.0	1.7	0.3	.....	15.6
Detroit	T.	T.	3.0	13.0	8.0	12.0	17.0	1.0	.....	54.0
Duluth	T.	0.1	11.6	6.5	2.0	6.2	12.1	5.0	0.1	43.6
Fairmont	.....	.....	0.2	4.2	4.0	7.0	10.0	T.	.....	25.4
Farmington	.....	T.	1.5	21.0	6.0	6.0	3.5	T.	.....	38.0
Fergus Falls	.....	.....	10.8	9.2	7.1	9.7	13.8	0.7	.....	51.3
Fort Ripley	.....	T.	9.0	6.0	3.0	4.0	5.5	T.	T.	27.5
Glencoe	.....	T.	T.	10.0	T.	T.	T.	.....	.....	10.0
Grand Meadow	T.	T.	3.5	15.0	2.5	8.7	2.0	0.5	.....	32.2
Hallock	.....	.....	1.0	5.7	3.2	6.6	8.0	(*)	.....	.....
Hinckley	.....	.....	8.7	4.6	2.2	3.3	0.2	T.	.....	19.0
International Falls	.....	.....	1.5	13.0	16.0	8.0	10.0	(*)	2.0	.....
Itasca State Park	T.	.....	3.5	9.0	4.2	3.5	8.0	1.0	0.2	29.4
Leech Lake Dam	T.	.....	4.9	8.8	8.1	10.8	11.8	1.2	0.4	46.0
Luverne	.....	.....	0.5	8.0	2.7	1.6	4.5	.....	.....	17.3
Mankato	.....	.....	0.2	7.4	4.0	9.0	2.0	T.	.....	22.6
Meadowlands	.....	T.	10.0	3.6	4.0	4.5	8.5	1.5	0.3	32.4
Minneapolis	.....	T.	1.1	9.4	3.4	5.6	1.0	0.1	T.	20.6
Montevideo	.....	2.0	4.0	9.0	4.0	2.5	4.0	T.	.....	25.5
Moorhead	.....	T.	0.4	5.1	10.6	6.0	10.8	0.4	T.	33.3
Mora	T.	.....	8.0	6.5	2.5	5.8	4.0	0.2	0.2	27.2
Morris	.....	.....	8.0	9.5	1.0	4.0	5.0	.....	.....	27.5
New London	.....	(*)	2.0	4.5	2.0	3.5	0.5	.....	.....	.....
Pine River Dam	.....	.....	4.5	0.2	2.6	4.3	4.5	0.4	.....	16.5
Pokegama Falls	.....	T.	3.1	7.2	4.6	5.1	6.8	2.3	0.4	29.5
Red Lake	.....	.....	7.0	8.4	5.6	0.6	(*)	(*)	.....	.....

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Minnesota—Continued.										
Red Lake Falls	T.		4.0	6.5	6.2	16.5	16.0	T.		49.2
Redwood Falls		2.0	T.	10.0	2.0	2.5	0.2	T.		16.7
Roseau			8.5	7.5	1.5	11.0	2.5	T.	T.	31.0
St. Paul		T.	2.3	10.8	4.4	5.8	4.3	T.	T.	27.6
Two Harbors		T.	3.0	11.5	10.0	8.0	12.5			45.0
Virginia	T.	0.8	10.3	9.1	7.3	9.7	10.0	5.8		53.0
Winona			1.7	15.6	3.0	2.5	0.2	T.		23.0
Worthington			T.	8.0	3.0	4.5	3.0			18.5
Mississippi.										
Aberdeen					T.					T.
Austin					T.	3.0				3.0
Booneville					T.	T.				T.
Canton										0.0
Columbus					T.					T.
Corinth					T.	2.0				2.0
Edinburg					T.					T.
Fulton					1.0					1.0
Grenada						T.				T.
Hattiesburg										0.0
Hazlehurst						T.				T.
Hernando					0.1	3.0				3.1
Holly Bluff					T.					T.
Holly Springs					T.	1.0				1.0
Jackson										0.0
Kosciusko					T.					T.
Macon					T.					T.
Meridian						T.				T.
Moorhead					T.					T.
Pearlington										0.0
Pontotoc					T.					T.
Rosedale						T.				T.
Swan Lake						T.				T.
Tupelo					T.					T.
University					T.	T.				T.
Vicksburg										0.0
Water Valley					0.7	T.				0.7
Woodville										0.0
Missouri.										
Arcadia			0.1	2.0	2.7	2.2	2.0	T.		9.0
Bethany			T.	0.4	11.0	0.5	T.	6.0		17.9
Caruthersville			T.	T.	3.0	9.0		T.		12.0
Columbia			0.3	2.2	8.4	T.	0.5	T.		11.4
Dean				T.	6.0	5.0				11.0
Doniphan			T.	T.	4.0	9.0				13.0
Eldon				T.	7.0		3.0	0.2		10.2
Gorin				3.0	5.4	T.		T.		8.4
Hannibal		0.1	T.	1.6	6.5	T.	T.	T.		8.2
Harrisonville			0.1	0.4	6.2	0.5				7.2
Hollister				1.0	3.0	6.0				10.0
Houston			T.	4.5	3.0	5.5	2.0			15.0
Jackson			T.	1.0	2.5	6.5				10.0
Kansas City			T.	0.7	4.8	0.4	0.8	0.6		7.3
Kidder				4.0	5.0			1.2		10.2
Koshkonong			T.	2.0	4.5	6.0				12.5
Lebanon			T.	3.2	4.5	T.	0.8			8.5
Lexington				T.	4.5		1.0	0.7		6.2
Macon				2.3	4.0	T.		0.2		6.5
Marshall			T.	0.7	6.5	T.	T.	0.5		7.7
Mexico			0.5	2.2	8.0	0.5	T.	T.		11.2
Nevada				1.0	8.5		T.	T.		9.5
Rolla			T.	4.5	3.2	0.2	0.2	0.2		8.3
St. Joseph			T.	1.2	3.5	0.1	T.	7.0		11.8
St. Louis		T.	T.	3.4	2.2	T.		T.		5.6
Springfield			T.	1.6	4.6	4.7		T.		10.9
Tarkio			T.	6.0	8.0			12.0		26.0
Unionville			1.0	7.0	5.5	3.0	T.	4.0		20.5
Warrenton			T.	2.0	4.0	T.	3.0	0.5		9.5
Warsaw			T.	4.0	10.0	T.	3.0	T.		17.0

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Montana.										
Adel	8.0	26.0	13.0	4.0	7.0	4.0	33.0	54.0	2.5	151.5
Agricultural College	.....	(*)	10.5	15.5	10.9	4.5	9.7	3.0	(*)	.....
Anaconda	T.	3.1	5.8	5.1	6.7	2.5	(*)	15.3	T.	.....
Belton	.....	1.8	1.4	13.8	30.0	17.0	27.3	2.0	.....	93.3
Big Ox	.....	.....	4.0	3.0	3.0	2.0	21.0	3.0	.....	36.0
Big Timber	.....	0.1	6.0	5.0	.....	3.0	23.0	6.0	.....	43.1
Brenner	3.0	11.6	16.1	18.8	26.3	9.8	5.4	(*)	T.	(1)
Bridger	.....	1.3	T.	2.5	1.0	3.5	7.5	7.0	.....	22.8
Browning	.....	T.	T.	T.	5.5	9.0	18.0	2.0	1.5	36.0
Busby	.....	1.5	3.0	6.2	3.2	1.2	2.0	3.8	.....	20.9
Busteed	.....	6.0	4.0	3.5	3.0	1.8	16.2	6.0	4.0	44.5
Butte	7.0	6.2	3.5	6.1	12.5	6.0	18.0	(*)	.....	.....
Columbia Falls	.....	1.0	(*)	19.5	16.0	20.5	13.0	3.0	.....	.....
Como	.....	T.	2.0	7.4	5.1	6.5	(*)	(*)	.....	.....
Copper	1.0	6.0	7.0	9.5	17.9	5.5	14.0	8.5	T.	69.4
Crow Agency	.....	1.0	2.0	7.5	5.0	8.0	12.5	6.0	.....	42.0
Cut Bank	.....	1.0	0.7	1.9	3.5	2.0	7.5	(*)	.....	.....
Dell	.....	12.0	6.7	4.0	2.0	(*)	(*)	(*)	(*)	.....
Denton	.....	5.0	2.5	3.2	0.5	2.9	10.7	11.0	T.	35.8
Dillon	3.0	2.0	5.0	3.5	3.0	8.0	4.1	11.0	T.	39.6
Dunkirk	.....	T.	1.0	3.5	2.0	2.2	6.7	(*)	(*)	.....
Findon	T.	2.7	6.5	4.5	7.7	9.3	16.3	3.6	T.	50.6
Flathead Creek	(*)	(*)	(*)	(*)	26.0	13.4	38.6	13.5	3.0	.....
Flatwillow	.....	T.	T.	8.0	1.0	1.5	9.7	7.0	T.	27.2
Fort Shaw	.....	0.7	1.2	3.5	0.8	T.	10.5	T.	.....	16.7
Geraldine	.....	.....	(*)	6.0	4.0	2.5	13.3	10.0	.....	.....
Glasgow	.....	.....	0.3	1.0	0.5	6.0	12.8	7.0	.....	27.6
Great Falls	.....	T.	2.6	2.6	0.3	2.0	13.2	4.3	.....	25.0
Haugan	.....	T.	2.2	33.0	42.8	6.3	21.9	T.	.....	106.2
Havre	.....	T.	0.7	10.1	1.2	1.5	13.0	6.0	T.	32.5
Hebgen Dam	1.0	18.0	15.0	(*)	52.0	25.0	(*)	8.0	10.0	.....
Helena	T.	2.5	4.8	2.6	2.5	3.1	20.0	5.5	T.	41.0
Hobson	.....	T.	4.5	(*)	3.0	T.	16.0	(*)	0.2	.....
Holter	.....	2.0	4.0	1.5	.....	2.0	8.0	4.5	.....	22.0
Kalispell	.....	T.	0.1	10.3	10.7	4.9	10.5	3.5	T.	40.0
Knobles Ranch	.....	7.0	3.0	7.0	5.0	8.0	8.0	10.0	T.	48.0
Knowlton	.....	4.5	6.6	4.5	1.0	3.5	10.5	10.0	.....	40.6
Lewistown	.....	0.3	4.5	7.4	4.3	3.0	14.6	16.5	0.5	51.1
Lytle	.....	6.0	0.8	5.0	0.5	1.0	10.3	4.5	0.8	28.9
Malta	.....	.....	T.	3.2	1.1	1.5	11.0	7.0	.....	23.8
Mildred	.....	T.	3.0	0.5	T.	3.0	1.0	2.0	.....	9.5
Miles City	.....	0.3	1.7	5.2	1.2	4.3	8.9	4.5	.....	26.1
Missoula	.....	.....	4.1	3.2	4.6	1.5	9.8	13.8	.....	37.0
Norris	.....	9.0	5.5	5.7	7.9	4.2	7.5	21.5	.....	61.3
Ovando	.....	(*)	4.5	8.2	17.6	(*)	(*)	(*)	(*)	.....
Philipsburg	2.0	2.7	3.1	6.3	7.9	3.0	15.5	7.7	.....	48.2
Plevna	.....	3.9	5.0	5.8	4.0	4.5	7.5	4.0	.....	34.7
Poplar	.....	.....	2.0	1.7	3.0	3.5	13.0	11.0	0.5	34.7
Red Lodge	.....	13.0	10.0	11.5	7.0	2.0	30.0	11.0	3.0	87.5
Renova	.....	1.0	3.0	0.5	1.0	2.0	2.0	2.0	.....	11.5
Rock Springs	.....	0.2	3.5	1.1	2.0	3.2	10.4	11.0	.....	31.4
Roundup	.....	0.8	1.0	4.0	(*)	2.0	2.0	(*)	.....	.....
St. Ignatius	.....	.....	0.5	0.6	5.0	5.0	9.6	(*)	.....	.....
Savage	.....	T.	1.0	1.5	0.5	3.0	12.5	5.5	.....	24.0
Snowbelt	.....	T.	1.5	5.1	1.1	2.2	10.5	(*)	T.	.....
Springbrook	.....	(*)	3.0	2.5	2.0	1.0	12.2	6.5	.....	.....
Sun River Canyon	(*)	(*)	1.5	1.0	1.0	1.5	(*)	(*)	(*)	.....
Three Forks	.....	T.	11.0	0.5	1.3	(*)	0.5	3.5	.....	.....
Trout Creek	(*)	(*)	(*)	14.0	(*)	2.0	(*)	(*)	.....	.....
Upper Yaak River	.....	T.	T.	14.4	24.1	1.0	12.8	2.0	.....	54.3
Utica	.....	1.0	12.0	(*)	4.0	1.0	17.0	6.0	T.	.....
Valier	.....	1.0	0.8	1.0	3.0	2.5	11.8	6.0	T.	26.1
Vananda	.....	0.2	3.0	4.5	0.0	1.0	(*)	(*)	(*)	.....
Victor	.....	(*)	1.0	9.0	5.2	4.2	(*)	(*)	.....	.....
Virginia City	T.	5.0	3.0	10.0	16.0	9.0	11.0	5.0	.....	59.0
White Sulphur Springs	.....	2.0	2.0	(*)	7.0	0.1	6.0	7.0	.....	.....
White Water	.....	T.	1.5	2.0	1.5	3.0	8.0	10.0	T.	26.0

[1] A trace at Brenner in June, 1921.

Monthly and seasonal snowfall, 1920-21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nebraska.										
Ainsworth	.....	3.0	12.0	18.0	10.0	8.0	7.0	4.0	.....	62.0
Albion	.....	.....	6.0	17.0	8.0	7.0	T.	T.	T.	38.0
Alma	.....	.....	.....	1.5	1.0	1.0	.....	.....	.....	3.5
Auburn	.....	.....	.....	8.0	8.0	3.0	T.	8.0	.....	27.0
Beatrice	.....	.....	.....	4.5	2.5	1.0	.....	3.0	.....	11.0
Brewster	.....	4.0	3.0	11.5	5.0	16.0	2.0	4.0	.....	45.5
Broken Bow	.....	.....	3.0	13.0	9.0	7.0	1.0	.....	3.0	36.0
Canton	.....	1.0	.....	6.0	11.5	4.0	4.0	1.0	.....	36.5
Chadron	.....	1.0	13.0	5.2	18.6	4.0	0.5	0.8	.....	43.1
Columbus	.....	.....	4.5	11.0	3.0	7.0	.....	.....	T.	25.5
Culbertson	.....	.....	.....	6.5	1.0	2.0	.....	.....	.....	9.5
David City	.....	.....	8.4	9.1	2.0	7.0	T.	.....	.....	26.5
Drexel	.....	.....	1.9	8.3	2.7	7.6	T.	0.8	.....	21.3
Fremont	.....	.....	T.	7.2	3.0	8.5	.....	.....	.....	18.7
Gosper	.....	.....	T.	3.5	2.0	1.5	T.	.....	T.	7.0
Hartington	.....	T.	3.0	12.5	3.0	4.5	1.0	.....	.....	24.0
Hastings	.....	.....	2.5	7.2	5.0	T.	1.0	1.0	.....	16.7
Hay Springs	.....	10.0	3.0	3.5	15.0	11.0	1.0	0.5	.....	44.0
Hebron	.....	.....	3.4	3.1	1.2	1.1	T.	2.0	.....	10.8
Hillside	.....	7.0	.....	10.0	8.0	4.0	12.5	8.5	T.	50.0
Kimball	.....	4.0	1.0	3.0	13.0	2.0	5.5	5.0	.....	33.5
Lincoln	.....	.....	2.0	3.3	1.2	4.0	T.	3.0	.....	13.5
Nenzel	.....	5.0	6.5	8.0	11.5	3.5	11.5	5.0	(*)	.....
North Loup	.....	.....	1.5	9.1	3.0	4.5	0.5	T.	T.	18.6
North Platte	.....	0.5	0.4	5.3	3.5	3.6	0.8	1.4	T.	15.5
Oakdale	.....	.....	4.2	6.5	4.5	6.4	0.2	T.	.....	21.8
Omaha	.....	.....	0.4	7.3	5.2	7.5	T.	0.5	.....	20.9
O'Neill	.....	T.	4.0	11.0	1.0	4.5	1.0	T.	.....	21.5
Oshkosh	.....	7.0	.....	9.0	8.0	8.0	4.5	T.	.....	36.5
Ravenna	.....	.....	1.5	10.6	9.4	7.5	0.4	.....	.....	29.4
Scottsbluff	.....	7.0	2.5	4.6	9.4	2.2	T.	0.1	.....	25.8
Stanton	.....	.....	5.0	8.9	2.7	3.2	T.	T.	.....	19.8
Valentine	.....	5.5	4.4	13.1	5.6	4.1	4.6	6.5	.....	43.8
Wakefield	.....	.....	2.0	12.0	2.4	7.2	T.	T.	.....	23.6
West Point	.....	.....	8.0	13.0	3.0	10.0	T.	T.	.....	34.0
York	.....	.....	7.0	8.0	3.5	6.0	0.8	T.	.....	25.3
Nevada.										
Arthur	.....	4.1	8.0	17.3	24.2	17.5	1.6	6.7	8.2	87.6
Austin	.....	11.5	7.0	18.0	5.0	8.5	2.0	23.0	5.0	80.0
Beowawe	.....	6.0	.....	7.0	3.0	2.0	.....	2.0	.....	20.0
Clover Valley	.....	4.8	(*)	12.0	7.5	16.0	T.	8.0	10.0	.....
Elko	.....	9.0	3.0	13.0	11.0	15.0	.....	T.	.....	51.0
Fallon	.....	.....	.....	2.5	.....	.....	.....	.....	.....	2.5
Gerlach	T.	1.0	(*)	5.0	1.0	.....	.....	T.	.....	.....
Golconda	.....	(*)	2.0	(*)	4.0	2.0	.....	1.0	.....	.....
Gold Creek (near)	4.5	31.0	10.0	38.0	30.0	22.0	T.	12.2	T.	147.7
Goldfield	.....	1.0	0.5	1.0	4.0	T.	T.	.....	.....	6.5
Hylton	T.	10.0	4.0	25.0	14.0	11.0	T.	10.0	2.0	76.0
Imlay	.....	.....	.....	2.0	3.0	T.	.....	.....	.....	5.0
Jungo	.....	.....	(*)	(*)	1.0	T.	.....	3.0	.....	.....
Lahontan	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Lamoille	T.	14.0	3.2	43.2	29.5	28.7	6.0	.....	.....	124.6
Las Vegas	.....	.....	.....	.....	.....	.....	.....	T.	.....	T.
Lovelock	.....	4.0	.....	4.0	2.0	.....	.....	.....	.....	10.0
McGill	T.	10.5	4.7	12.5	6.9	3.2	T.	14.5	.....	52.3
Marlette Lake	.....	18.0	29.0	54.0	50.0	21.0	15.0	2.0	21.0	210.0
Metropolis	(*)	19.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Millett	.....	2.2	8.5	7.5	.....	3.0	.....	0.5	.....	21.7
Minden	.....	1.0	3.5	3.5	3.0	2.0	.....	.....	.....	13.0
North Fork	5.0	8.0	14.0	14.5	13.0	19.0	.....	3.0	5.0	81.5
Owyhee	4.0	(*)	(*)	27.0	22.0	19.0	(*)	12.0	.....	.....
Rebel Creek	.....	6.0	5.0	23.0	8.0	5.0	.....	0.2	.....	47.2
Reno	.....	2.0	3.3	7.7	4.4	0.9	0.1	T.	T.	18.4
Sand Pass	.....	T.	.....	5.5	T.	3.2	.....	T.	.....	8.7
San Jacinto	T.	11.4	0.7	3.0	3.2	T.	T.	10.0	2.0	30.3
Searchlight	.....	.....	.....	T.	T.	.....	.....	.....	.....	T.
Sharp	.....	5.5	2.0	13.8	21.0	4.0	.....	10.5	4.0	60.8
Smith	.....	.....	.....	6.0	8.5	.....	1.0	T.	T.	15.5

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Nevada—Continued.										
Sulphur	.....	2.0	1.8	9.5	T.	T.	.....	T.	.....	13.3
Tecoma	.....	15.0	1.0	5.0	2.5	4.5	.....	4.0	.....	32.0
Thorne	.....	.....	T.	.....	T.	T.	.....	.....	.....	T.
Tonopah	T.	4.5	2.3	3.2	3.5	3.3	0.5	1.5	5.0	23.8
Tuscarora (near)	4.5	13.2	7.2	34.0	16.0	23.5	4.5	11.5	.....	114.4
Vya	.....	3.0	3.1	(*)	8.5	15.0	1.3	(*)	.....	.....
Winnemucca	T.	1.0	1.4	10.3	4.4	2.4	.....	0.2	.....	[1] 19.9
Yerington	.....	T.	1.0	T.	(*)	(*)	.....	T.	.....	.....
New Hampshire.										
Alstead Center	.....	T.	14.0	15.0	10.0	43.0	T.	2.0	.....	84.0
Berlin	.....	0.1	15.5	16.1	8.9	19.7	2.1	T.	.....	62.4
Bethlehem	.....	.....	10.4	18.0	6.8	17.8	5.7	0.5	.....	59.2
Concord	.....	.....	10.0	8.0	5.9	22.6	0.0	0.3	.....	46.8
Durham	.....	.....	10.0	7.0	5.0	22.0	.....	.....	.....	44.0
Franklin	.....	.....	6.8	7.2	7.3	22.0	.....	.....	.....	43.3
Hanover	.....	.....	16.3	14.8	8.4	20.0	0.2	T.	.....	59.7
Keene	.....	.....	5.3	10.0	8.5	18.8	0.2	1.0	.....	43.8
Pittsburg (a)	.....	2.3	13.1	43.2	23.0	23.4	6.5	1.9	.....	113.4
Plymouth	.....	.....	7.0	9.0	5.5	21.8	1.0	T.	.....	44.3
New Jersey.										
Atlantic City	.....	.....	.....	0.1	0.7	2.7	.....	1.4	.....	4.9
Bridgeton	.....	.....	.....	T.	1.0	10.0	T.	.....	.....	11.0
Cape May	.....	.....	.....	T.	T.	2.6	.....	2.1	.....	4.7
Dover	.....	.....	0.5	1.8	5.5	19.5	.....	T.	.....	27.3
Flemington	.....	.....	0.5	1.0	2.5	15.0	T.	T.	.....	19.0
Indian Mills	.....	.....	.....	T.	1.5	12.0	.....	0.8	.....	14.3
Lakewood	.....	.....	T.	T.	1.0	8.5	T.	1.5	.....	11.0
Layton	.....	.....	1.0	3.4	5.5	29.3	.....	.....	.....	39.2
Newton	.....	.....	1.0	2.8	5.5	23.5	.....	T.	.....	32.8
Plainfield	.....	.....	0.3	1.2	3.2	17.8	T.	T.	.....	22.5
Ridgefield	.....	.....	0.2	2.0	4.4	18.2	T.	0.1	.....	24.9
Sandy Hook	.....	.....	T.	0.5	3.3	9.1	T.	T.	.....	12.9
South Orange	.....	.....	T.	1.4	4.0	19.2	.....	T.	.....	24.6
Trenton	.....	.....	T.	1.0	2.2	14.0	0.2	0.2	.....	17.6
Tuckerton	.....	.....	.....	T.	1.7	4.5	.....	1.8	.....	8.0
New Mexico.										
Abbott	.....	2.0	T.	0.5	2.4	7.0	10.0	T.	.....	21.9
Albuquerque	.....	.....	0.6	2.0	0.2	2.5	4.0	T.	.....	9.3
Alma	.....	.....	.....	T.	T.	T.	2.5	1.0	.....	3.5
Aragon	.....	5.0	6.0	10.0	3.0	10.0	17.0	.....	.....	51.0
Aspen Grove Ranch	.....	12.0	12.0	18.0	17.5	21.7	5.5	9.5	2.0	98.2
Aurora	.....	16.5	1.0	9.5	7.0	5.0	17.5	8.5	.....	65.0
Baldwin Ranger Station	.....	19.8	.....	11.0	6.2	9.0	8.0	T.	.....	54.0
Barton	.....	.....	2.0	18.0	6.5	20.0	18.5	2.0	.....	67.0
Bell Ranch	.....	.....	1.0	T.	4.5	2.5	6.5	.....	.....	14.5
Bellview	.....	.....	3.1	5.6	0.9	4.7	0.7	(*)	.....	15.0
Black Lake	.....	8.8	1.0	5.0	3.0	4.0	11.0	8.4	.....	41.2
Blackrock	.....	T.	T.	8.0	2.0	6.0	T.	2.0	T.	18.0
Bloomfield	.....	1.5	0.1	0.5	3.5	0.5	0.5	4.5	T.	11.1
Buchanan (near)	.....	2.0	1.0	T.	2.0	T.	5.0	.....	.....	10.0
Cambray	.....	T.	.....	.....	.....	0.2	.....	.....	.....	0.2
Carlsbad	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Chacon	.....	12.0	3.0	12.0	5.5	5.0	8.0	9.5	(*)	.....
Cimarron (near)	.....	9.0	1.5	2.0	5.5	4.0	11.0	1.0	.....	34.0
Clayton	.....	T.	0.8	4.0	1.0	4.2	4.5	1.0	.....	15.5
Cloudcroft	.....	19.0	T.	3.5	3.0	8.0	5.5	T.	.....	39.0
Cloverdale	.....	.....	.....	0.6	T.	4.0	.....	.....	.....	4.6
Corona	.....	0.3	T.	0.2	6.0	2.0	7.0	T.	.....	15.5
Crownpoint	.....	3.0	T.	7.8	6.0	7.0	2.0	(*)	T.	.....
Cuervo	.....	.....	0.5	0.8	3.0	2.0	6.5	.....	.....	12.8
Des Moines	.....	9.0	4.0	6.0	2.0	7.0	17.0	10.0	.....	55.0
Dulce	.....	10.5	T.	9.0	12.5	12.0	5.5	6.2	T.	55.7
Elephant Butte Dam	.....	T.	.....	.....	.....	.....	.....	.....	.....	T.

[1] Includes June, 1921: Winnemucca, 0.2.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New Mexico—Continued.										
Elizabethtown	.....	21.5	1.2	8.5	1.0	5.5	10.0	25.0	.....	72.7
Espanola	.....	T.	T.	6.0	1.0	3.2	T.	T.	.....	10.2
Fort Stanton	.....	5.0	T.	1.0	1.5	T.	4.5	.....	.....	12.0
Gallup	.....	6.0	T.	1.5	5.0	6.0	0.4	0.3	T.	19.2
Glorieta Ranch	.....	14.0	.....	0.2	1.0	.....	2.0	.....	.....	17.2
Harvey's Upper Ranch	T.	24.0	2.2	16.0	18.0	24.0	20.0	7.0	.....	111.2
Haynes	.....	2.0	2.0	2.5	10.0	7.0	(*)	7.5	T.	.....
Hermosa	.....	48.0	.....	T.	.....	.....	1.0	T.	.....	49.0
Hobbs	.....	.....	.....	.....	1.0	0.5	.....	.....	.....	1.5
Hope	.....	8.0	T.	.....	3.0	0.5	T.	.....	.....	11.5
Jemez Springs	.....	T.	3.0	7.2	6.0	8.0	T.	2.0	.....	26.2
Laguna	.....	T.	T.	0.6	5.0	2.2	.....	.....	.....	7.8
Las Vegas	.....	2.0	1.0	2.5	6.0	3.8	5.0	T.	.....	20.3
Lordsburg	.....	.....	.....	1.0	.....	1.0	.....	.....	.....	2.0
Los Lunas	.....	.....	.....	T.	5.0	3.0	6.0	.....	.....	14.0
Maxwell	.....	T.	1.5	4.0	1.5	4.0	3.0	.....	.....	14.0
Meek	.....	24.0	2.0	T.	3.0	4.0	11.0	.....	.....	44.0
Mineral Hill	.....	1.5	1.0	10.5	9.0	6.0	14.2	2.0	.....	44.2
Mosquero	.....	2.0	T.	2.0	4.0	5.0	6.0	.....	.....	19.0
Mountainair (near)	.....	3.9	1.2	6.7	7.5	4.2	8.4	0.5	.....	32.4
Nara Visa	.....	.....	0.5	T.	2.0	T.	3.5	.....	.....	6.0
Newman	.....	T.	.....	T.	1.0	.....	.....	.....	.....	1.0
Nogal	.....	23.0	4.0	12.0	5.0	4.0	12.0	T.	.....	60.0
Palma	.....	T.	T.	3.0	4.0	T.	17.0	T.	.....	24.0
Pastura	.....	.....	1.0	1.0	3.0	1.0	7.0	.....	.....	13.0
Pinon (near)	.....	18.0	T.	1.0	1.0	T.	3.2	T.	.....	23.2
Pinos Altos (near)	.....	7.5	.....	8.0	3.0	9.5	(*)	2.2	.....	.....
Plainview	.....	.....	T.	.....	1.8	2.5	.....	.....	.....	4.3
Raton (near)	.....	20.0	4.0	10.0	3.5	5.5	3.0	.....	.....	46.0
Red River Canyon	T.	23.0	7.0	19.0	17.0	16.0	26.0	48.0	7.0	163.0
Richland	.....	.....	1.0	.....	3.0	2.5	T.	.....	.....	6.5
Rociada	.....	9.0	2.0	4.0	8.0	8.2	12.0	0.5	(*)	.....
Roswell	.....	.....	T.	.....	1.5	T.	.....	.....	.....	1.5
Santa Fe	.....	1.5	1.4	12.2	8.2	4.2	9.0	0.2	.....	36.7
Schuster Springs Ranger Station	.....	18.5	T.	12.5	21.0	12.0	3.0	10.0	T.	77.0
Senorito (near)	.....	6.0	6.0	26.0	20.0	17.0	11.0	10.0	4.0	100.0
Silver City	.....	T.	T.	2.0	0.4	1.1	0.6	1.1	.....	5.2
Tajique (near)	.....	6.6	0.8	8.0	18.8	19.0	16.8	2.8	T.	72.8
Taos Canyon	.....	8.5	4.0	31.5	12.8	12.5	15.5	23.8	.....	[1] 109.4
Tres Piedras	.....	5.0	T.	12.0	19.0	11.5	T.	3.0	1.0	51.5
Truchas	.....	7.5	5.0	21.5	10.0	4.5	6.0	7.5	T.	62.0
Tucumcari (near)	.....	.....	2.1	1.0	2.3	3.0	10.5	.....	.....	18.9
Tularosa	.....	.....	.....	T.	4.0	.....	.....	.....	.....	4.0
Winsor's Ranch	.....	10.0	1.0	16.0	10.0	5.0	14.8	12.0	(*)	.....
New York.										
Adams Center	.....	1.0	12.0	53.0	17.5	17.0	9.0	3.0	.....	112.5
Addison	.....	.....	2.1	2.7	3.5	14.2	T.	T.	.....	22.5
Albany	.....	.....	2.6	5.9	1.3	19.7	T.	T.	.....	29.5
Bedford Hills	.....	.....	T.	0.7	3.9	6.2	.....	T.	.....	10.8
Binghamton	.....	T.	5.3	2.5	6.0	24.4	0.2	6.4	.....	44.8
Bolivar	.....	T.	12.0	16.0	11.0	10.0	T.	T.	T.	49.0
Brockport	.....	.....	12.5	11.0	2.5	25.0	1.0	2.0	.....	54.0
Buffalo	.....	T.	15.8	14.4	2.5	18.1	0.7	2.0	.....	53.5
Canton	.....	T.	19.5	24.3	6.3	10.0	3.8	2.3	.....	66.2
Chazy	.....	.....	6.0	19.0	1.0	13.0	1.0	3.5	.....	43.5
Cooperstown	.....	.....	3.5	3.5	5.7	19.0	0.5	.....	.....	32.2
De Ruyter	.....	T.	12.0	11.9	10.3	20.3	2.2	1.5	.....	58.2
Elmira	.....	T.	2.9	6.5	2.8	17.4	1.0	T.	.....	30.6
Geneva	.....	T.	6.0	5.0	1.5	28.0	2.0	0.5	.....	43.0
Glens Falls	.....	.....	6.7	7.4	9.0	24.7	.....	T.	.....	47.8
Gloversville	.....	T.	3.3	8.0	3.3	19.0	T.	T.	.....	36.6
Hudson	.....	.....	3.0	9.0	4.0	28.0	.....	.....	.....	44.0
Ithaca	.....	T.	7.3	6.3	5.2	14.5	2.0	1.8	.....	37.1
Jeffersonville	.....	.....	3.0	4.0	7.0	24.0	T.	T.	.....	38.0
Lake Placid Club	.....	0.4	22.7	25.7	11.5	30.5	5.0	5.2	.....	100.6
Lauterbrunnen	.....	T.	11.0	17.5	9.5	31.8	0.8	T.	.....	70.6
Lockport	.....	T.	14.5	7.5	0.5	15.5	T.	2.0	.....	40.0

[1] Includes June, 1921: Taos Canyon, 0.8.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
New York—Continued.										
Lowville		0.3	10.3	36.8	15.8	25.3	1.5			90.0
Medford			T.	0.5	4.8	10.0		1.0		16.3
Moira		T.	18.0	40.0	7.0	20.0	5.0			90.0
New York City			T.	1.5	2.6	13.5	T.	0.1		17.7
North Lake			11.0	29.0	19.5	34.0	4.0	1.0		98.5
North Rose		T.	4.0	7.9	2.6	16.5	0.7	T.		31.7
Norwich		T.	5.5	5.0	6.5	21.5	T.	T.		38.5
Oswego		T.	8.0	30.2	3.9	17.4	1.6	0.2		61.3
Perrysburg		0.2	20.0	45.0	17.5	17.5	1.2	T.		101.4
Port Jervis			1.7	3.0	4.3	22.2	T.			31.2
Raquette Lake		T.	16.0	32.0	17.3	39.5	6.9	0.5		112.2
Rhinebeck			2.5	4.9	4.2	24.8		T.		36.4
Rochester		T.	12.4	18.0	1.5	27.5	1.4	0.5		61.3
Roxbury		T.	12.5	6.0	11.0	32.0	T.	4.0		65.5
Setauket			T.	1.0	4.0	18.5	T.	1.6		25.1
Syracuse		T.	5.4	14.0	3.0	17.8	3.1	0.4		43.7
Walton			3.5	6.8	4.5	27.5	2.0	2.0		46.3
Warwick			1.0	4.0	3.0	22.0	T.	T.		30.0
West Berne			17.0	8.0	3.0	29.0	1.0	1.0		59.0
York		T.	10.5	8.8	5.3	29.6	1.5	2.0		57.7
North Carolina.										
Asheville			T.	2.0	10.6	0.8				13.4
Banners Elk			1.5	4.5	24.0	1.0		T.	T.	31.0
Beaufort					2.0					2.0
Brewers			T.	5.0	24.0	2.0				31.0
Charlotte					4.7	2.9				7.6
Elizabeth City					T.					T.
Fayetteville					4.5	T.				4.5
Goldsboro					5.0					5.0
Greensboro					7.0	1.5				8.5
Hatteras					T.					T.
Henderson					5.0	2.2				7.2
Hendersonville				T.	12.0	T.				12.0
Hickory				3.5	15.5	0.8				19.8
Highlands			T.	T.	9.0	3.5				12.5
Hot Springs			1.0	T.	8.2	7.1		0.2		16.5
Jefferson		T.	T.	3.0	22.7	0.8		T.		26.5
Lenoir				3.0	22.0	1.0				26.0
Lumberton					2.0	T.				2.0
Marion				2.5	18.5	2.5				23.5
Montreat			T.	1.2	15.7	1.2		T.		18.1
Mount Airy				3.0	12.0	0.5				15.5
Newbern					5.0					5.0
Pinehurst				T.	5.0	5.8				10.8
Raleigh					7.0	4.6				11.6
Rockingham				T.	4.5	1.8				6.3
Salisbury					12.0	3.5				15.5
Siler City				T.	10.0	3.0				13.0
Sloan					2.0					2.0
Tarboro					3.5					3.5
Tryon				(*)	8.5	T.	(*)			
Waynesville				T.	9.0	T.				9.0
Weldon					4.5	2.0		T.		6.5
Wenona					2.0					2.0
Wilmington										0.0
Winston-Salem				0.2	9.6	0.6				10.4
North Dakota.										
Amenia			T.	13.0	2.0	3.0	4.5		T.	22.5
Arnegard			2.0	3.5	2.0	3.0	11.0	10.0		31.5
Ashley			T.	2.0	4.0	2.0	10.0	3.0		21.0
Berthold Agency		T.	0.3	3.0	0.8	1.2	9.4	2.5		17.2
Bismarck	T.	T.	T.	3.2	2.5	2.3	9.9	1.0	T.	18.9
Carson			1.0	2.2	3.0	1.0	7.0	4.0		18.2
Cooperstown			3.0	3.0	1.0	3.0	7.5	T.		17.5
Crosby			1.8	0.5	1.1	3.4	2.7	9.2		18.7
Devils Lake	T.	T.	5.8	3.2	2.0	5.1	7.5	1.9		25.5

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
North Dakota—Continued.										
Dunn Center			T.	1.0	T.	2.0	15.0	1.0		19.0
Dunseith			2.0	2.0	0.4	0.4	0.7	3.3		8.8
Ellendale	T.	T.	0.2	1.7	1.4	2.3	9.7	0.9		16.2
Fessenden			2.5	2.0	0.2	2.0	6.5	1.5		14.7
Fryburg		T.	2.0	1.0	1.0	3.0	11.5	4.5		23.0
Fullerton		T.	T.	4.7	3.7	4.9	22.7	1.0		37.0
Grafton			3.4	4.0	4.1	4.7	7.9	0.2		24.3
Grand Forks		T.	1.3	3.5	3.7	7.5	7.3	1.2	T.	24.5
Hannah			4.0	0.5	7.0	11.0	9.0	4.0		35.5
Hillsboro		T.	0.5	4.5	3.0	3.0	8.5	T.		19.5
Howard			2.0	1.0	2.1	3.4	4.8	21.0		34.3
Jamestown			2.0	5.0	3.5	1.8	10.2	0.5		23.0
Lisbon			1.2	1.2	2.0	2.5	7.0			13.9
McClusky			3.0	7.5	2.0	6.0	22.0	2.5		43.0
McKinney	T.		0.5	2.0	1.5	5.5	4.5	1.0		15.0
Marmarth		4.7	4.9	4.2	1.5	1.6	10.1	6.1	T.	33.1
Minot			1.0	2.0	3.0	5.0	9.0	7.0		27.0
Mott			2.0	4.0	4.5	1.5	(*)	(*)		
Napoleon			1.0	2.0	3.0	2.0	7.0	2.0		17.0
New Salem			0.5	0.8	2.0	2.0	11.0	5.0		21.3
Pembina			10.0	4.0	2.0	11.0	10.0			37.0
Pettibone			2.0	3.5	1.5	3.5	18.0	5.0		33.5
Powers Lake			1.0	1.0	2.0	5.5	8.8	13.2		31.5
Valley City	T.	T.	1.2	2.0	1.8	4.8	19.2	1.5	0.5	31.0
Wahpeton			1.5	5.5	2.5	8.0	4.5	T.		22.0
Williston			0.5	1.3	0.7	2.9	7.7	6.5		19.6
Ohio.										
Amesville		T.	5.0	2.3	2.0	3.0		T.		12.3
Ashland		T.	8.0	4.5	1.5	7.0	1.0	T.		22.0
Cadiz		1.0	11.3	6.0	1.3	8.4	0.3	T.		28.3
Canton			8.5	4.4	3.0	4.9	0.5	1.0		22.3
Cincinnati			5.4	0.9	1.9	2.8	T.	T.		11.0
Cleveland		T.	3.5	5.3	4.2	10.6	0.6	1.7		25.9
Columbus			8.2	3.3	1.3	4.2	T.	0.3		17.3
Dayton		T.	8.6	2.5	4.1	4.1	0.7	0.2		20.2
Hiram		0.5	13.5	14.5	7.0	19.5	1.0	5.5		61.5
Ironton			8.5	1.6	1.7	6.5	T.	T.		18.3
Kenton		T.	3.0	5.0	4.0	4.0	T.	T.		16.0
Marietta Experiment Farm		T.	4.0	3.0	2.5	4.0	T.	T.		13.5
Marion			9.0	4.0	1.7	8.0	1.0	T.		23.7
Millersburg			7.0	3.2	2.0	4.5	T.	T.		16.7
Millport		T.	8.5	3.1	1.0	6.2	T.	T.		18.8
Ottawa		T.	6.0	4.0	4.0	5.2	T.	1.0		20.2
Sandusky		T.	3.6	3.2	2.2	7.5	1.7	0.6		18.8
Sidney			9.2	4.6	1.7	3.2	T.	0.2		18.9
Summerfield			7.2	2.8	5.0	4.0	0.7	1.5		21.2
Tiffin			9.0	5.0	1.0	8.5	1.0	2.0		26.5
Toledo		T.	6.1	6.0	2.8	6.8	2.0	7.5		31.2
Wapakoneta		0.3	11.2	7.3	5.0	6.5	0.5	0.5		31.3
Wauseon			6.0	6.0	3.0	3.2	1.5	3.4		23.1
Waverly		0.3	8.0	2.0	2.3	5.5		T.		18.1
Wilmington			7.0	2.0	5.0	4.0	T.	T.		18.0
Zanesville			4.2	2.9	0.9	3.8	T.	2.5		14.3
Oklahoma.										
Ada					9.0	18.0				27.0
Altus			T.	0.2	2.8	12.2	T.			15.2
Alva			0.5		1.0	6.0		T.		7.5
Antlers					(*)	4.5				
Ardmore			T.	T.	4.0	4.0				8.0
Beaver			0.5			7.5	T.			8.0
Blackwell					5.0	T.				5.0
Broken Arrow				T.	4.5	9.3	T.	T.		13.8
Broken Bow					(*)	3.0				
Buffalo			T.	T.	T.	6.0		T.		6.0
Carnegie					6.0	6.0				12.0
Chandler					4.0	7.0				11.0

Monthly and seasonal snowfall, 1920-21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oklahoma—Continued.										
Chickasha					4.3	12.5				16.8
Durant					2.5	3.0				5.5
Enid			T.	T.	3.0	4.3				7.3
Erick			T.	T.	T.	7.0				7.0
Hammon			0.5	T.	0.2	10.5	0.5			11.7
Healdton				T.	6.0	5.0				11.0
Holdenville			T.		7.0	13.0				20.0
Hugo					3.0	3.0				6.0
Kenton			1.4	3.7	2.2	7.3	5.9	0.9		21.4
Kingfisher				T.	3.5	7.7				11.2
Lawton				0.2	7.0	16.6				23.8
McAlester					14.0	18.0				32.0
Muskogee					5.3	12.5				17.8
Okeene			T.	T.	2.0	9.0				11.0
Oklahoma City			0.2	T.	5.1	8.0				13.3
Okmulgee					3.0	12.5				15.5
Pauls Valley					6.0	15.0				21.0
Pawhuska				T.	6.0	1.0				7.0
Poteau			T.	T.	2.5	18.0				20.5
Sallisaw					(*)	13.0				
Shawnee					3.5	12.0				15.5
Stillwater			T.	T.	4.5	6.0				10.5
Tulsa					4.0	5.0				9.0
Tuskahoma					5.0	12.0				17.0
Vinita			T.	T.	6.0	2.0		T.		8.0
Waurika			T.	0.5	8.0	5.5				14.0
Weatherford			T.	T.	3.0	7.0				10.0
Woodward			T.	T.	T.	10.0	T.			10.0
Oregon.										
Albany					1.5					1.5
Andrews		T.	3.1	8.0	6.0	5.2		T.		22.3
Anna Spring	15.5	43.0	50.5	(*)	106.5	59.1	43.2	23.3	21.5	
Ashland				T.	6.0	5.0		1.5		12.5
Astoria					(*)	(*)				
Baker		T.	T.	6.3	14.2	17.9	1.2	2.0		41.6
Bear Creek	T.	5.8	5.0	24.1	25.9	22.0	5.5	3.5	T.	91.8
Bear Valley		4.0	2.5	24.8	36.0	26.5	3.8	7.5		105.1
Beech Creek		T.	T.	27.0	35.5	24.0	5.0	2.0	T.	93.5
Bend	T.	1.5	8.0	17.6	13.0	9.0	2.0			51.1
Blitzen	T.	5.0	T.	11.0	20.0	(*)	1.0	1.0		
Burns		(*)	4.0	18.5	26.5	17.5	8.0	(*)	(*)	
Cascade Locks				3.0	12.2	5.5	5.0			25.7
Chiloquin		4.0	4.5	27.0	15.9	20.0	3.5	2.0	2.0	76.9
Condon		2.0	3.0	13.0	8.0	15.5	3.0	T.		44.5
Cornucopia	2.0	15.4	24.0	108.8	97.4	66.7	20.7	13.4		348.4
Cove		3.0	4.0	10.3	24.1	32.8	1.5	6.1		81.8
Dayville			1.0	8.8	3.8	3.8	3.0	T.		16.6
Detroit			3.0	4.5	22.0	12.5	0.5	2.5		44.0
Doraville				T.	9.2	10.4	3.6	T.		23.2
Dufur		T.	3.0	10.9	18.3	22.3	2.0	0.2		56.7
Eugene					T.	1.0		T.		1.0
Fergusons Ranch			T.	7.0	5.0	6.5	0.5	1.0		20.0
Fish Lake	2.0	16.0	(*)	73.4	67.0	41.0	15.3	14.5	25.0	
Fremont		2.6	3.5	6.5	8.8	12.0	1.0	0.2	1.1	35.7
Government Camp	T.	9.5	12.0	79.0	74.0	43.0	30.0	23.0		270.5
Gumboot		3.0	3.2	39.0	46.0	23.0	2.5	14.0	T.	130.7
Harper			T.	9.1	11.1	11.5	T.	T.		31.7
Heppner			1.5	13.0	7.0	6.5	1.0	0.8		29.8
Hilgard		2.0		10.0	17.0	21.0	5.0	2.0		57.0
Hood River			1.0	14.0	19.5	27.5	11.0			73.0
Howardville	(*)	7.8	9.5	47.9	61.2	50.5	19.5	12.2	1.0	
Ibex Mine	1.0	16.5	28.3	79.2	87.2	61.2	20.4	9.3	T.	303.1
Joseph		6.0	3.0	17.0	28.0	18.5	7.0	25.2	2.0	106.7
Kingman			0.5	5.0	7.0	5.0		T.		17.5
Klamath Falls		2.6	0.5	16.2	14.5	10.5	T.	T.	T.	44.3
La Grande	T.	T.	2.5	7.5	16.5	26.5	3.0	T.		56.0
Lake Creek				2.0	4.5	15.0		1.0	1.0	23.5
Lakeview	T.	4.3	2.3	16.6	14.9	5.7	T.	1.8	0.2	45.8

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Oregon—Continued.										
Lapine	.....	2.6	6.5	19.7	23.9	20.0	2.9	2.0	5.0	82.6
Madras	(*)	.....	3.0	3.0	3.0	3.0	.....	.....	.....	12.0
Marshfield	.....	.....	.....	.....	T.	T.	.....	T.	.....	T.
Medford	.....	.....	.....	T.	1.5	4.0	.....	T.	.....	5.5
Merrill	.....	3.0	2.5	12.2	9.5	3.2	0.2	0.4	0.3	31.3
Mikkalo	.....	.....	3.0	8.0	6.0	14.0	T.	.....	.....	31.0
Newport	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Ochoco	.....	0.5	18.5	31.0	28.0	25.5	16.5	2.0	.....	122.0
Olive Lake	.....	6.0	11.5	41.0	54.0	30.0	18.5	22.0	1.0	184.0
Ortley	.....	.....	2.0	22.0	26.0	41.0	4.5	.....	.....	95.5
Pendleton	.....	.....	T.	12.0	5.5	5.5	2.0	.....	.....	25.0
Pilot Rock	.....	.....	.....	10.0	1.0	2.0	1.0	T.	.....	14.0
Portland	.....	.....	T.	0.1	0.7	2.4	T.	T.	.....	3.2
Prairie City	.....	2.0	0.8	19.3	23.6	23.1	3.5	7.0	0.5	79.8
Prospect	.....	T.	T.	16.5	25.4	13.5	T.	2.5	T.	57.9
Reservoir No. 3	.....	.....	2.5	22.6	25.5	19.1	0.6	0.3	.....	70.6
Riverside	.....	.....	T.	12.0	9.5	8.5	T.	T.	.....	30.0
Rock Creek	.....	0.5	1.5	25.0	39.0	37.5	7.8	1.0	.....	112.3
Roseburg	.....	.....	.....	.....	.....	1.0	.....	T.	.....	1.0
Round Grove	1.0	5.0	0.7	13.5	10.0	15.0	T.	2.0	T.	47.2
Silver Lake	.....	2.5	3.0	9.6	14.3	7.3	.....	.....	8.0	44.7
Siskiyou	.....	9.0	2.2	49.0	46.0	24.0	5.0	10.0	11.5	110.7
Sparta	T.	2.5	1.0	47.0	4.0	30.0	3.0	11.0	T.	95.5
Starkey	.....	1.0	2.0	10.9	16.5	21.1	T.	0.5	T.	52.0
Sunrise Valley	.....	T.	2.2	13.2	10.2	10.0	.....	0.2	.....	35.8
The Dalles	.....	.....	0.5	4.0	3.8	5.0	.....	.....	.....	13.3
Tule Lake	.....	2.0	1.0	13.5	11.0	2.0	.....	.....	.....	29.5
Union	.....	2.0	1.2	5.2	12.0	5.2	5.0	1.0	.....	31.6
Valley Falls	.....	.....	T.	9.5	10.0	4.0	.....	1.0	.....	24.5
Waldo	.....	.....	.....	1.8	10.2	4.0	.....	2.0	.....	18.0
Wallowa	.....	.....	1.5	6.9	20.1	41.3	3.2	0.2	.....	73.2
Warmspring	.....	.....	2.0	(*)	2.0	5.0	.....	.....	.....	.....
Wasco	.....	.....	2.5	9.0	13.0	14.0	.....	.....	.....	38.5
Weston	.....	T.	3.0	4.5	4.0	12.5	2.0	1.5	.....	27.5
Wolf Creek	.....	T.	.....	1.0	5.0	2.0	T.	2.0	.....	10.0
Yonna	.....	T.	0.8	19.8	17.5	4.7	T.	0.2	0.3	43.3
Pennsylania.										
Altoona	.....	2.0	10.0	10.0	8.0	23.0	2.0	2.0	.....	57.0
Beaver Dam	.....	T.	5.9	2.8	1.6	7.1	0.3	0.9	.....	18.6
Bradford	.....	T.	9.2	13.5	7.3	17.8	0.2	T.	.....	48.0
Brookville	.....	.....	3.0	0.4	3.5	7.5	T.	T.	.....	14.4
Catawissa	.....	.....	T.	0.4	3.5	18.2	0.5	0.2	.....	22.8
Clearfield	.....	T.	8.0	15.0	12.0	20.0	6.0	1.0	.....	62.0
Coatesville	.....	.....	0.4	0.7	3.8	15.1	2.0	2.0	.....	24.0
Emporium	.....	.....	4.3	3.5	3.6	13.5	1.0	0.5	.....	26.4
Erie	.....	0.2	8.7	7.3	10.7	17.6	2.2	0.9	.....	47.6
Franklin	.....	T.	5.0	3.7	4.0	10.5	5.0	0.5	.....	28.7
Gettysburg	.....	.....	0.8	2.0	2.2	18.0	.....	.....	.....	23.0
Greensburg	.....	0.7	3.6	6.0	5.8	10.7	0.3	0.8	.....	27.9
Harrisburg	.....	.....	T.	2.0	3.1	16.6	2.0	T.	.....	23.7
Indiana	.....	.....	4.0	8.5	11.5	17.7	T.	4.0	.....	45.7
Johnstown	.....	T.	5.6	8.6	5.1	18.2	0.5	T.	.....	38.0
Lancaster	.....	.....	1.0	2.9	1.0	14.0	3.0	(*)	.....	.....
Lock Haven	.....	.....	1.0	2.0	7.0	20.7	2.0	T.	.....	32.7
Mifflintown	.....	.....	1.5	1.5	2.5	16.4	4.0	T.	.....	25.9
Mount Pocono	.....	.....	1.0	2.0	10.0	29.9	T.	1.0	.....	43.9
Muncy Valley	.....	.....	T.	2.0	7.0	10.0	T.	T.	.....	19.0
Philadelphia (Weather Bureau)	.....	.....	.....	0.8	2.2	10.2	0.1	0.4	.....	13.7
Pittsburgh	.....	T.	3.4	1.2	2.4	5.4	1.4	T.	.....	13.8
Quakertown	.....	T.	0.9	1.6	2.6	16.2	0.7	T.	.....	22.0
Reading	.....	.....	0.8	1.3	2.5	14.5	1.3	0.1	.....	20.5
Scranton	.....	.....	3.8	2.0	3.6	16.0	T.	3.0	.....	28.4
Somerset	.....	.....	10.1	12.2	14.3	27.7	T.	3.3	.....	67.6
State College	.....	T.	2.8	1.1	5.5	14.8	5.0	1.0	.....	30.2
Towanda	.....	T.	6.2	2.0	5.7	20.6	0.2	3.0	.....	37.7
Uniontown	.....	T.	3.2	2.5	4.5	9.0	T.	1.5	.....	20.7
Wellsboro	.....	T.	2.8	3.9	9.7	24.1	T.	0.2	.....	40.7
Williamsport	.....	.....	0.7	1.3	7.5	17.5	0.3	0.1	.....	27.4

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Porto Rico.[1]										
Rhode Island.										
Block Island	.....	.....	T.	0.1	1.9	4.4	T.	0.5	.....	6.9
Bristol	.....	.....	1.5	1.5	0.7	14.2	.....	0.8	.....	18.7
Kingston	.....	.....	1.0	3.0	3.0	13.0	T.	2.0	.....	22.0
Providence	.....	.....	0.7	3.0	1.6	17.4	T.	T.	.....	22.7
South Carolina.										
Blackville	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Catawba	.....	.....	.....	.....	4.0	4.0	.....	.....	.....	8.0
Charleston	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Clemson College	.....	.....	.....	T.	4.0	2.4	.....	.....	.....	6.4
Columbia	.....	.....	.....	.....	.....	0.2	.....	.....	.....	0.2
Conway	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Darlington	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Due West	(*)	(*)	(*)	(*)	0.8	1.7	.....	.....	.....	.....
Florence (No. 1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Garnett	.....	.....	.....	.....	0.5	.....	.....	.....	.....	0.5
Gaston Shoals	.....	.....	.....	.....	8.0	0.5	.....	.....	.....	1.3
Georgetown	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Greenville	.....	.....	.....	.....	2.0	0.2	.....	.....	.....	2.2
Kershaw	.....	.....	.....	.....	4.0	0.2	.....	.....	.....	4.2
Kingstree	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Landrum	.....	.....	.....	T.	2.4	T.	.....	.....	.....	2.4
Monetta	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Newberry	.....	.....	.....	.....	T.	0.2	.....	.....	.....	0.2
Orangeburg (No. 1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Parris Island	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Pinopolis	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Santuck	.....	.....	.....	.....	4.0	2.5	.....	.....	.....	6.5
Spartanburg	.....	.....	.....	.....	2.5	1.3	.....	.....	.....	3.8
Trenton	.....	.....	.....	.....	1.0	T.	.....	.....	.....	1.0
South Dakota.										
Aberdeen	.....	.....	3.5	3.0	1.0	4.0	3.4	2.7	T.	17.6
Academy	.....	1.0	11.0	1.5	0.5	T.	6.0	1.0	.....	21.0
Ardmore	.....	10.0	1.2	5.5	20.0	3.5	2.0	3.0	.....	45.2
Bellefourche	.....	3.0	7.0	2.3	3.0	T.	0.5	0.7	.....	16.5
Brookings	.....	0.2	5.7	3.0	0.9	0.5	0.7	T.	.....	11.0
Camp Crook	.....	1.0	1.0	2.0	1.0	T.	4.0	0.1	.....	9.1
Centerville	.....	.....	3.0	9.5	3.3	4.0	3.3	T.	.....	23.1
Colome	.....	2.0	9.0	8.6	2.4	T.	3.7	2.0	.....	27.7
Cottonwood	.....	3.2	4.7	3.0	3.4	1.5	0.1	0.4	.....	16.3
Custer	T.	8.5	T.	2.0	12.5	T.	3.2	3.0	.....	29.2
Deadwood	.....	8.5	10.5	9.5	9.0	3.0	16.0	12.0	.....	68.5
Deerfield	.....	8.0	4.8	4.0	9.6	2.5	1.7	7.4	.....	38.0
Dumont	.....	11.2	7.8	4.3	9.5	4.7	6.6	7.2	T.	51.3
Eales	.....	.....	0.5	0.6	2.5	0.4	1.3	1.6	.....	6.9
Elk Mountain	.....	10.0	4.0	6.0	11.0	3.0	1.0	3.0	.....	38.0
Fairfax	.....	2.0	8.0	19.5	2.5	T.	3.0	1.0	.....	36.0
Faulkton	.....	.....	7.2	T.	1.4	0.5	0.5	T.	.....	9.6
Forestburg	.....	1.2	12.0	7.4	2.1	.....	8.5	.....	.....	31.6
Gannvalley	.....	5.0	10.0	10.0	3.2	.....	2.0	T.	.....	30.2
Greenmont	.....	12.0	21.0	8.0	11.0	4.0	8.0	6.0	.....	70.0
Hardy Ranger Station	.....	15.0	10.0	15.0	18.5	5.5	9.5	(*)	(*)	.....
Harveys Ranch	.....	14.1	8.0	9.0	12.0	10.0	8.0	6.5	.....	67.6
Hermosa	.....	2.5	2.0	2.5	7.5	1.5	T.	1.5	.....	17.5
Highmore	.....	T.	4.0	2.0	2.5	T.	0.7	1.0	.....	10.2
Hopewell	.....	0.5	5.0	3.0	3.2	T.	5.5	5.0	.....	22.2
Hot Springs	.....	3.0	.....	6.5	21.0	3.0	3.0	3.0	.....	39.5
Huron	.....	T.	6.5	7.3	2.3	0.4	5.1	0.3	.....	21.9
Jefferson	.....	T.	2.0	1.2	2.0	T.	8.0	T.	.....	13.2
Lead	.....	13.4	5.9	7.8	6.6	4.3	10.3	10.2	.....	58.5
Lemmon	.....	.....	0.2	1.7	6.2	T.	4.0	3.0	.....	15.1
McIntosh	.....	.....	.....	1.0	0.5	.....	0.2	4.0	.....	5.7
Marion	.....	1.0	1.5	14.5	0.2	0.2	3.0	T.	.....	20.4
Meadow	.....	T.	2.0	3.0	1.0	T.	5.0	1.0	.....	12.0

[1] No snowfall.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
South Dakota—Continued.										
Milbank			9.5	8.1	1.3	0.5	12.9	T.		32.3
Oelrichs		4.0	8.0	6.0	13.8	6.0	0.4	1.0		39.2
Onida		T.	6.0	2.0	2.5		4.9	0.9		16.3
Orman		3.3	4.0	6.0	4.0	T.	0.5	T.		17.8
Ottumwa		2.0	5.0	4.0	2.7	2.0	5.0	4.0		24.7
Pierre		3.6	4.2	3.3	2.5	0.6	1.5	4.0		19.7
Rapid City		7.6	4.2	3.2	7.9	2.5	0.5	2.1		28.0
Redfield			10.0	T.	1.5	0.2	2.0			13.7
Redig		2.5	7.8	4.0	4.5	T.	5.0	1.0		24.8
Rochford	T.	13.8	4.6	6.9	15.3	6.5	4.4	15.8	0.1	67.4
Sioux Falls		3.0		16.0	1.7	2.0	4.5			27.2
Spearfish		5.0	13.0	12.5	5.4	1.6	4.2	2.1		43.8
Vale		3.5	10.0	5.1	7.0	0.5	1.0	T.		27.1
Vermilion			5.0	14.0	3.9	5.5	T.	T.		28.4
Vivian		1.0	T.	2.5	1.2	0.1	T.	3.6		8.4
Waters Ranch		6.3	2.4	9.8	8.6	0.8	1.7	0.9		30.5
Watertown			4.0	4.0	T.	1.0	6.0	T.		15.0
Wentworth		0.5	7.0	4.4	2.0	T.	0.5	T.		14.4
Wood		2.0	18.0	15.5	2.5	1.0	1.9			40.9
Yankton			1.5	11.8	4.6	5.7	3.5	T.		27.1
Tennessee.										
Ashwood			0.5		8.0	2.0				10.5
Bolivar			T.		T.	0.4		(*)		
Celina			T.		5.0	3.5				8.5
Chattanooga			0.1		9.8	1.6				11.5
Clarksville			T.	0.2	8.0	5.5		T.		13.7
Decatur			T.		8.0	2.0				10.0
Florence	(*)	(*)	(*)	T.	6.5	1.0				
Huntingdon					3.0	3.5				6.5
Johnson City			2.0	2.0	11.5	1.0				16.5
Knoxville			T.		5.3	1.0				6.3
McMinnville			0.2		3.0	2.0				5.2
Memphis					0.1	8.0				8.1
Nashville			T.	T.	7.8	2.2				10.0
Palmetto			1.0		6.0	2.0				9.0
Rogersville			T.	T.	5.5	T.				5.5
Rugby			7.0		8.5	4.0				19.5
Union City					2.0	10.5				12.5
Walling			T.		3.0	0.5				3.5
Waynesboro			T.	T.	3.0	2.0				5.0
Yukon					5.0	T.				5.0
Texas.										
Abilene			0.4		2.8	1.0				4.2
Albany			T.		2.0	2.5				4.5
Amarillo			2.6	5.7	3.2	11.9	5.3	T.		28.7
Aspermont				1.0	4.3					5.3
Austin										0.0
Ballinger			T.							
Beaumont										0.0
Bonham				0.2	4.0	3.0				7.2
Bowie			T.	0.5	4.0	2.0				6.5
Bridgeport			T.		2.6	T.				2.6
Brownsville										0.0
Brownwood										0.0
Canadian			0.1	0.5	0.5	9.0	1.5			11.6
Chillicothe					3.5	11.0				14.5
Clint					0.5					0.5
Colorado				T.	2.2	2.7				4.9
Corpus Christi										0.0
Crosbyton			0.5		1.5	7.0				9.0
Dalhart			T.	4.5	0.5	4.0	6.0			15.0
Dallas			0.3		2.1	T.				2.4
Del Rio										0.0
Eagle Pass										0.0
Eastland			0.5		T.					0.5
El Paso		T.		T.	0.4	T.	T.	T.		0.4
Flint			T.	T.						T.

Monthly and seasonal snowfall, 1920-21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Texas—Continued.										
Fort Davis										0.0
Fort Stockton					T.	T.				T.
Fort Worth			0.5		0.2	T.				0.7
Galveston										0.0
Garden City			0.5	T.	0.2	0.7				1.4
Greenville					0.5					0.5
Groesbeck			0.6							0.6
Henrietta				2.0	2.0	1.5				5.5
Houston										0.0
Huntsville										0.0
Kerrville										0.0
Knickerbocker										0.0
Lampasas										0.0
Longview			0.1							0.1
Lubbock					1.2	4.0				5.2
Marshall						T.				T.
Memphis			T.	T.	4.0	6.0	T.			10.0
Miami			1.0	6.4		12.0	5.0			24.4
Midland										0.0
O 2 Ranch				T.		T.				T.
Palestine										0.0
Paris					T.	T.				T.
Plainview			1.5	2.0	3.0	8.0	0.5			15.0
Port Arthur										0.0
Quanah			T.		1.0	12.0				13.0
Romero			0.3	5.0	4.2	4.0	7.0			20.5
San Antonio										0.0
Sherman			T.	1.0	2.0	2.0				5.0
Taylor			T.							T.
Waco			T.							T.
Waxahachie			0.5		2.0					2.5
Weatherford			T.		2.0	T.				2.0
Utah.										
Alpine			(*)	27.9	20.0	31.0	2.2			
Alton		26.0	(*)	8.0	26.3	8.0	(*)	9.0	3.0	
Beaver		21.1	12.0	27.0	10.2	17.0	12.0	31.5	(*)	
Black Rock		9.0	T.	13.0	T.	T.	2.0	12.0		36.0
Black's Fork	7.0	37.5	31.0	42.5	21.0	27.0	38.5	29.0	13.5	247.0
Blanding		5.0	7.0	7.0	2.5	T.	2.0	6.5		30.0
Bluff				2.0	(*)	T.	T.	3.0		
Corinne		0.1	3.9	7.0	6.1	8.0		3.7		28.8
Cottonwood Weir		8.0	3.5	42.5	14.0	20.5	4.0	15.0		107.5
Delle		7.0		2.0	1.8	0.2		5.0		16.0
Deseret		2.0		11.0	5.0	3.0		17.0		38.0
Duchesne		4.4	1.0	5.0	8.0	2.0			T.	20.4
East Portal	2.0	22.0	12.0	35.2	37.0	22.0	11.0	14.0	10.0	165.2
Emery		7.0		5.0	1.0		T.		1.0	14.0
Farmington		2.0	T.	17.1	11.8	9.0		16.0		55.9
Fillmore		25.0	2.0	37.0	11.5	12.5	1.0	26.5		115.5
Garland		T.	T.	7.0	10.0	9.0	T.	3.0		29.0
Government Creek		15.5	0.9	20.9	8.1	7.8	2.0	13.0		68.2
Great Basin Experiment Station	4.0	56.0	17.0	30.0	(*)	30.0	35.0	(*)		
Great Basin Experiment Station, Alpine	6.0	42.0	39.0	35.0	(*)	38.0	40.0	(*)		(1)
Green River		T.		4.2	T.			2.5		6.7
Hanksville				5.0	1.0			2.0		8.0
Hatch	0.2	16.0	3.0	2.0	18.0	6.0	3.0	11.0	2.5	61.7
Heber		12.0	11.0	27.0	34.5	28.5	6.5	2.0	T.	121.5
High Line City Creek	1.0	11.0	12.0	52.5	29.5	34.0	12.0	20.0	2.0	174.0
Hole-in-the-Rock		29.5	15.0	13.0	7.8	7.0	12.0	18.8	7.0	110.1
Huntsville		5.0	6.0	22.0	25.0	34.0	1.0	10.0		103.0
Ibapah		17.5	5.0	9.5	4.8	4.5	3.2	24.5		69.0
Kelton		9.5	T.	6.5	7.0	6.2	T.	(*)		
Laketown	T.	16.0	3.0	9.0	4.0	12.0	2.0	12.5		58.5
La Sal		(*)	1.0	12.5	7.0	7.5	2.0	17.0		
Lehi		2.0	0.7	18.0	14.0	8.0	1.0	5.0		48.7
Levan	T.	23.0	3.0	24.5	12.5	12.5	4.0	30.0		109.5
Lower American Fork		6.0		33.2	8.8	13.5	0.8	4.0		66.3

[1] Great Basin Experiment Station, Alpine, 3.0 in August, 1920.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Utah—Continued.										
Lower Mill Creek	.....	4.0	2.2	15.0	12.0	21.5	6.0	11.0	.....	71.7
Lucin	.....	T.	2.0	4.0	T.	7.0	T.	3.0	.....	16.0
Manila	.....	15.0	8.0	3.0	.....	3.0	1.0	8.0	5.0	43.0
Manti	.....	8.2	T.	13.5	13.1	12.6	T.	15.2	1.0	63.6
Midlake	.....	0.1	T.	1.1	0.9	0.8	.....	0.5	.....	3.4
Milford	.....	1.0	T.	18.5	3.5	2.2	3.5	22.5	0.9	52.1
Moab	.....	T.	.....	3.0	.....	.....	1.0	11.0	.....	15.0
Modena	.....	17.2	0.1	2.3	6.3	1.1	T.	5.6	0.4	33.0
Morgan	4.0	10.0	15.0	31.0	17.0	24.0	3.0	1.3	.....	105.3
Moroni	T.	1.0	T.	14.8	5.1	7.5	T.	7.5	T.	35.9
Mosida	.....	T.	.....	2.8	2.0	4.0	1.0	0.5	.....	10.3
Mountain Dell	T.	8.7	12.2	29.0	19.0	21.0	17.5	19.5	.....	126.9
Nada	.....	12.0	.....	11.0	11.3	0.5	T.	12.5	T.	47.3
Ogden	.....	T.	0.8	13.8	11.0	5.0	T.	6.5	.....	37.1
Park City	2.0	31.5	18.0	24.0	39.0	19.0	12.5	16.5	2.0	164.5
Pine View	7.0	29.0	22.0	9.0	17.0	20.0	30.0	22.0	6.0	162.0
Pinto	.....	20.4	2.0	17.0	14.0	13.0	4.0	10.0	.....	80.4
Piute Dam	.....	1.0	3.0	6.6	4.0	(*)	2.2	(*)	(*)	.....
Price	.....	0.8	2.0	6.0	1.0	5.5	.....	.....	.....	15.3
Provo	.....	8.5	3.0	29.0	21.0	24.0	9.0	4.0	.....	98.5
Richmond	.....	7.0	3.5	20.1	17.6	14.7	2.1	23.5	.....	88.5
Saltair	.....	0.5	4.5	5.6	4.7	3.4	0.5	3.5	.....	22.7
Salt Creek	.....	16.0	3.0	20.0	20.0	31.5	4.0	2.0	.....	96.5
Salt Lake City	.....	5.4	3.0	17.8	5.9	5.5	1.7	8.6	.....	47.9
Santaquin	.....	11.5	3.0	36.0	16.0	26.2	5.2	20.0	.....	117.9
Snake Creek	T.	17.4	9.5	40.2	45.5	40.4	16.0	5.5	.....	174.5
Sunnyside	.....	8.0	2.2	8.6	12.9	4.5	T.	13.0	2.0	51.2
Thistle	.....	8.0	4.0	32.0	37.0	35.0	8.0	14.0	T.	138.0
Tooele	.....	8.1	2.5	30.5	11.4	19.0	2.0	18.0	.....	91.5
Vernal	.....	T.	4.0	2.0	6.0	0.5	T.	4.0	.....	16.5
Wendover	.....	.....	T.	6.0	2.5	T.	.....	.....	.....	8.5
Winter Quarters	T.	21.0	12.2	22.7	36.7	19.9	3.5	17.0	6.0	139.0
Vermont.										
Bloomfield	.....	2.0	6.0	19.2	5.5	15.0	1.5	T.	.....	49.2
Burlington	.....	T.	12.7	24.3	2.8	16.0	3.9	0.3	.....	60.0
Chelsea	.....	.....	18.0	17.0	9.0	22.0	.....	.....	.....	66.0
Cornwall	.....	.....	13.0	15.0	6.0	15.0	2.0	1.0	.....	52.0
Enosburg Falls	.....	0.5	11.5	28.0	9.5	13.5	4.1	2.0	.....	69.1
Garfield	.....	.....	14.5	31.5	14.5	27.0	3.0	.....	.....	90.5
Northfield	.....	T.	22.5	16.6	7.2	25.4	4.2	0.3	.....	76.2
Somerset	.....	.....	32.5	10.8	8.0	30.2	1.2	3.0	.....	85.7
St. Johnsbury	.....	T.	12.0	16.3	6.2	16.4	2.2	T.	.....	53.1
Woodstock	.....	.....	19.0	14.0	7.5	22.5	.....	T.	.....	63.0
Virginia.										
Arcola	.....	.....	T.	0.5	2.1	6.5	.....	1.0	.....	10.1
Blacksburg	.....	T.	T.	T.	33.7	4.5	.....	.....	.....	38.2
Burkes Garden	.....	T.	.....	3.0	22.0	6.0	.....	T.	.....	31.0
Callaville	.....	.....	.....	.....	3.0	1.5	.....	T.	.....	4.5
Cape Henry	.....	.....	.....	.....	T.	T.	.....	.....	.....	T.
Charlottesville (near)	.....	.....	.....	.....	11.0	5.0	.....	.....	.....	16.0
Culpeper	.....	.....	.....	T.	9.0	3.5	.....	.....	.....	12.5
Dahlgren	.....	.....	.....	T.	T.	3.0	.....	.....	.....	3.0
Dale Enterprise	.....	.....	2.0	1.0	7.0	9.0	.....	.....	.....	19.0
Dante	.....	T.	4.0	T.	12.0	4.0	.....	T.	.....	20.0
Danville	.....	.....	.....	2.0	6.5	1.5	.....	.....	.....	10.0
Franklin	.....	.....	.....	.....	0.2	T.	.....	.....	.....	0.2
Fredericksburg	.....	.....	.....	T.	1.0	3.5	T.	T.	.....	4.5
Hot Springs	.....	T.	1.0	1.0	9.8	6.5	.....	.....	.....	18.3
Lexington	.....	.....	.....	1.2	15.2	6.5	.....	.....	.....	22.9
Lynchburg	.....	.....	.....	.....	11.9	1.3	.....	.....	.....	13.2
Mendota	.....	.....	T.	.....	6.6	2.5	.....	.....	.....	9.1
Mount Weather	.....	.....	2.0	.....	1.0	12.0	.....	T.	.....	15.0
New Canton	.....	.....	T.	.....	4.0	1.7	.....	.....	.....	5.7
Newport News	.....	.....	.....	.....	.....	1.0	.....	.....	.....	1.0
Norfolk	.....	.....	.....	.....	T.	T.	.....	.....	.....	T.
Radford	.....	T.	.....	T.	30.0	2.0	.....	.....	.....	32.0

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Virginia—Continued.										
Richmond					T.	1.0		T.		1.0
Rocky Mount				1.0	35.0	1.0				37.0
Runnymede					T.	T.	T.			T.
Staunton			T.	0.9	15.5	7.5				23.9
West Point					T.	T.				T.
Winchester			1.0	T.	T.	14.0				15.0
Woodstock			T.	T.	T.	10.0				10.0
Wytheville		T.	0.1	1.9	29.1	7.0		T.		38.1
Washington.										
Aberdeen					1.0	T.	1.0			2.0
Anatone		7.5	3.0	35.0	38.5	22.0	6.5	7.0		119.5
Bellingham					1.5	2.5	10.5			14.5
Blewett	(*)	(*)	11.0	30.0	52.0	14.0	13.0	4.0	(*)	
Brewster			1.5	19.0	28.1	2.0	T.			50.6
Buckley					2.3	12.3	2.2	T.		16.8
Bumping Lake		4.0	24.0	92.0	82.0	33.5	24.0	2.5	0.5	262.5
Cedar Lake				8.0	21.0	17.5	18.0	T.		64.5
Centralia					1.5	4.0	0.2			5.7
Clearbrook					5.0	3.0	9.0			17.0
Cle Elum			T.	39.0	45.0	7.5	4.0	T.		95.5
Colfax		T.	T.	1.0	10.5	4.0	2.0			17.5
Colville			T.	10.8	26.0	7.5	3.0			47.3
Conconully		T.	5.0	20.3	35.3	10.8	11.0	T.		82.4
Davenport				8.1	13.6	2.1	1.5			25.3
Davis Ranch		0.5	T.	22.0	50.0	8.0	18.2	1.2		99.9
Dayton				3.2	2.0	T.	1.9			7.1
Detroit					3.8	2.0	T.			5.8
Dirtyface Mountain		1.8	6.8	81.5	96.5	17.8	36.8	5.2		246.4
Dryden			5.0	47.0	57.5	15.0	(*)	(*)	(*)	
Ellensburg			0.5	18.5	28.0	6.5	T.	T.		53.5
Ephrata			0.5	11.0	10.2	5.5	T.			27.2
Forks		T.		T.	(*)	0.2	4.5			
Gold Creek			2.0	32.0	52.0	16.5	4.5	T.		107.0
Hatton			T.	3.5	1.0	T.	T.			4.5
Headworks				T.	5.2	19.5	3.0			27.7
Irene Mountain		T.	1.2	9.5	16.0	7.0	9.7	3.5		46.9
Kennewick				0.5	T.	T.				0.5
La Crosse				1.0	5.3	1.5	2.9	T.		10.7
Lake Kachess	T.		3.0	63.0	68.0	24.0	34.0	6.0	T.	198.0
Lake Keechelus		T.	5.0	93.0	98.0	37.0	48.0	15.0	T.	296.0
Laurier				10.7	35.2	14.2	6.8			66.9
Leavenworth		3.0	3.0	43.5	56.5	10.5	7.5	0.5		124.5
Locke			2.6	36.3	40.8	15.2	8.1	8.5		111.5
Longmires Springs		5.0	7.5	76.0	84.0	40.0	30.5	32.5	3.0	278.5
Lost Creek		T.	2.0	17.0	23.0	T.	4.0	4.0		50.0
McCumbers Ranch			1.0	32.0	36.9	32.0	5.0	0.1		107.0
Mill Creek Intake		T.	T.	14.0	16.0	19.0	5.0	5.0	T.	59.0
Mount Pleasant			T.	3.0	9.0	6.0	3.0			21.0
Nespelem				8.9	14.5	2.2	(*)			
North Head				T.	T.	4.7	T.	T.		4.7
Odessa		T.	T.	4.5	8.5	2.0	0.5			15.5
Oroville				4.5	16.5	3.5	1.5			26.0
Paradise Inn	26.0	39.0	65.0	167.5	156.0	62.0	71.0	54.0	26.0	[1] 671.0
Pomeroy		T.		4.0	7.5	6.0				17.5
Port Angeles				T.	1.7	1.5	1.0			4.2
Port Townsend					1.0		4.0			5.0
Prosser			T.	6.5	5.0	3.5	T.			15.0
Pullman				7.5	15.5	13.5	3.0			39.5
Republic			2.2	14.8	24.3	6.3	7.0	2.5		57.1
Rimrock		0.5	3.0	49.0	82.5	36.0	11.0	2.0		184.0
Rosalia			0.4	2.5	12.5	7.2	5.3	T.		27.9
Seattle					3.1	5.0	0.4	0.5		9.0
Silverton		1.7		(*)	25.5	17.7	27.3	(*)		
Sixprong				4.0	4.5	4.0				12.5
Snoqualmie Pass		8.0	22.7	116.5	124.0	42.0	63.0	14.6		390.8
Snyders Ranch		10.0	12.0	38.6	49.0	18.8	13.7			142.1
Spokane		T.	T.	5.3	11.1	3.4	5.0	T.	T.	24.8

[1] Includes June, 1921: Paradise Inn, 4.5.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Washington—Continued.										
Stehekin (near)	.....	T.	2.5	39.0	76.0	23.0	20.5	1.0	.....	162.0
Stokes Ranch	.....	2.7	10.5	30.0	39.2	15.2	14.7	.....	.....	112.3
Tacoma	.....	.....	.....	.....	2.5	8.0	1.0	T.	.....	11.5
Tatoosh Island	.....	.....	.....	.....	T.	T.	T.	.....	.....	T.
Touchet Ridge	.....	7.0	T.	34.0	40.5	28.0	10.0	6.0	1.0	126.5
Upper Clealum Valley	(*)	(*)	27.0	113.0	126.0	62.0	74.0	11.0	(*)	.....
Wahluke	.....	.....	.....	5.0	3.5	2.0	.....	.....	.....	10.5
Wallace	.....	.....	4.3	18.7	36.8	8.6	14.3	5.9	.....	88.6
Walla Walla	.....	.....	0.1	5.2	3.3	5.8	3.5	2.3	.....	20.2
Waterville	.....	T.	3.8	20.8	26.1	7.6	5.2	0.5	.....	64.0
Wenatchee (near)	.....	2.0	4.0	18.0	26.0	12.0	5.5	.....	.....	67.5
Wilbur	.....	.....	.....	6.5	14.2	1.0	2.0	.....	.....	23.7
Wind River	.....	T.	0.4	19.2	54.5	27.5	24.0	T.	.....	125.6
Yacolt	.....	.....	.....	.....	4.0	4.0	1.5	.....	.....	9.5
Yakima	.....	.....	T.	9.8	15.1	5.5	T.	T.	.....	30.4
West Virginia.										
Bancroft	.....	T.	7.0	1.6	2.9	11.2	.....	T.	.....	22.7
Bens Run	.....	.....	10.0	4.0	4.0	10.0	.....	0.5	.....	28.5
Bluefield	.....	0.5	3.1	3.5	14.5	6.0	T.	T.	.....	27.6
Brandywine	.....	T.	5.0	.....	3.0	9.5	.....	.....	.....	17.5
Buckhannon	.....	T.	5.0	11.5	3.7	15.0	T.	0.5	.....	35.7
Burlington	.....	.....	8.0	T.	3.0	15.0	.....	T.	.....	26.0
Camden-on-Gauley	.....	T.	6.0	3.0	2.0	3.0	.....	T.	.....	14.0
Charleston	.....	T.	1.2	T.	T.	9.0	.....	T.	.....	10.2
Creston	.....	T.	2.5	1.2	1.5	9.0	.....	T.	.....	14.2
Elkins	.....	0.3	3.9	8.2	5.9	11.3	T.	0.8	.....	30.4
Fairmont	.....	T.	2.0	5.0	3.0	10.0	T.	T.	.....	20.0
Glenville	.....	T.	4.2	4.5	1.5	13.5	.....	T.	.....	23.7
Hinton	.....	T.	0.5	2.5	12.0	5.0	.....	T.	.....	20.0
Huntington	.....	.....	6.1	0.4	0.8	8.5	.....	.....	.....	15.8
Lewisburg	.....	T.	3.0	2.0	16.5	7.0	.....	T.	.....	28.5
Lost Creek	.....	T.	3.5	4.0	3.5	10.8	.....	1.0	.....	22.8
Mannington	.....	T.	4.3	3.9	3.3	12.6	T.	2.2	.....	26.3
Martinsburg	.....	.....	1.0	1.2	1.0	14.5	.....	.....	.....	17.7
Parkersburg	.....	T.	2.7	1.8	2.7	6.5	T.	T.	.....	13.7
Pickens	.....	T.	13.0	23.0	13.0	25.0	1.0	8.0	.....	83.0
Point Pleasant	.....	.....	5.0	T.	1.0	7.0	.....	.....	.....	13.0
Robertsburg	.....	.....	3.0	0.5	1.0	7.5	.....	.....	.....	12.0
Romney	.....	.....	3.0	1.0	1.0	11.0	.....	T.	.....	16.0
Ryan	.....	T.	4.9	2.4	2.8	14.5	.....	0.6	.....	25.2
Smithfield	.....	T.	5.4	7.5	6.5	10.0	T.	T.	.....	29.4
Wellsburg	.....	.....	3.0	T.	1.0	4.2	T.	T.	.....	8.2
Weston	.....	T.	5.4	9.4	3.7	13.8	T.	T.	.....	32.3
Wheeling	.....	T.	4.4	4.8	0.8	6.1	T.	0.2	.....	16.3
Wisconsin.										
Ashland	.....	T.	5.0	18.0	6.0	12.0	11.7	T.	0.2	52.9
Baraboo	.....	.....	1.0	(*)	0.1	8.0	T.	4.2	.....	.....
Brodhead	.....	.....	2.0	7.0	2.8	1.5	(*)	13.0	.....	.....
Burnett	.....	T.	0.7	14.5	2.8	7.2	0.7	11.3	T.	37.2
Cornucopia	.....	1.8	7.0	10.0	(*)	9.7	11.3	T.	1.1	.....
Deerskin Dam	T.	T.	4.7	16.6	8.2	11.0	5.6	T.	1.0	47.1
Delavan	.....	T.	T.	7.0	4.0	3.0	T.	9.5	T.	23.5
Eau Claire	.....	0.8	5.7	17.9	2.5	5.7	0.5	T.	T.	33.1
Florence	.....	T.	11.0	11.5	7.0	12.0	3.0	(*)	T.	.....
Fond du Lac	.....	T.	T.	13.0	4.0	10.0	4.0	10.0	T.	41.0
Grand River Locks	.....	.....	0.5	17.2	2.0	6.4	0.2	T.	.....	26.3
Grantsburg	.....	T.	1.0	7.0	1.2	5.0	0.5	(*)	.....	.....
Green Bay	.....	T.	0.7	12.4	4.4	9.1	2.7	.....	.....	29.3
Hayward	.....	0.5	(*)	12.5	3.2	9.7	1.5	4.5	T.	.....
High Falls	.....	.....	4.5	12.5	4.0	17.5	3.0	(*)	T.	.....
Hillsboro	.....	T.	2.0	10.0	2.0	6.0	T.	T.	.....	20.0
Koepenick	.....	T.	5.0	16.0	4.0	13.0	2.0	1.0	(*)	.....
La Crosse	.....	0.8	3.2	16.2	5.2	5.2	1.2	0.4	.....	32.2
Madison	.....	T.	0.5	8.0	3.0	3.1	T.	13.0	.....	27.6
Manitowoc	.....	T.	0.5	15.5	3.8	6.5	1.7	T.	T.	28.0
Medford	.....	.....	9.0	9.0	9.0	9.0	3.0	3.0	T.	42.0
Milwaukee	.....	T.	0.4	8.7	1.8	3.7	T.	15.0	T.	29.6
Minocqua	T.	T.	6.5	13.5	5.0	9.9	5.5	T.	T.	40.4

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Wisconsin—Continued.										
Mondovi	.....	0.1	4.0	16.0	4.1	5.8	(*)	(*)	.....	.....
Prentice	T.	T.	7.5	18.8	8.8	4.4	7.7	6.5	T.	53.7
River Falls	.....	T.	1.0	7.2	3.3	4.5	2.5	T.	T.	18.5
Sheboygan	.....	.....	T.	8.0	1.5	4.5	T.	9.5	.....	23.5
Solon Springs	T.	1.5	7.0	12.5	2.5	9.0	6.0	8.0	0.2	46.7
Sturgeon Bay	.....	T.	T.	11.3	4.0	8.7	3.0	(*)	T.	.....
Superior	.....	.....	4.3	6.9	4.1	5.0	10.5	1.5	T.	32.3
Wausau	.....	T.	6.3	15.1	4.5	10.3	5.1	2.8	T.	44.1
Weyerhauser	T.	1.5	5.0	13.5	6.0	5.0	4.5	2.5	0.5	38.5
Wisconsin Rapids †	.....	.....	5.8	22.8	2.8	8.8	0.8	2.7	.....	43.7
Wyoming.										
Afton (near)	9.0	(*)	(*)	(*)	21.7	13.1	11.2	16.0	.....	.....
Alta	1.0	6.0	12.7	30.2	17.5	11.4	5.8	4.0	.....	88.6
Barnum	.....	7.5	5.1	4.0	5.5	T.	11.0	9.0	.....	42.1
Basin	.....	T.	3.5	1.0	4.8	0.8	1.5	8.0	.....	19.6
Bedford	3.0	8.0	9.0	30.5	29.0	27.5	13.7	19.0	.....	139.7
Big Creek	3.0	13.0	15.1	(*)	(*)	15.5	15.0	37.5	T.	.....
Bow Ranger Station	(*)	(*)	14.0	18.0	18.0	14.0	11.0	48.0	12.0	.....
Casper	T.	6.0	18.0	9.8	15.5	8.5	8.5	13.0	.....	79.3
Centennial	T.	7.1	10.9	23.0	26.0	11.5	10.3	21.5	5.0	115.3
Cheyenne	.....	7.3	4.1	6.2	18.4	4.9	4.0	9.9	T.	54.8
Chugwater	.....	7.0	3.0	7.5	13.0	2.0	6.0	1.0	.....	39.5
Clark	.....	1.3	1.4	4.9	5.5	0.5	2.0	T.	.....	15.6
Cody	.....	1.0	3.0	1.0	2.5	1.0	7.5	5.0	.....	21.0
Cokeville	2.5	6.0	3.0	(*)	18.0	(*)	(*)	10.0	(*)	.....
Colony	.....	4.2	9.5	3.5	4.0	0.7	4.0	4.0	.....	29.9
Deaver	.....	T.	0.6	2.0	3.0	T.	.....	T.	.....	5.6
Diversion Dam	.....	29.0	8.0	3.7	1.0	0.5	4.5	T.	.....	46.7
Dome Lake	T.	(*)	(*)	14.8	20.0	4.0	19.0	15.0	13.0	.....
Douglas	.....	4.5	3.5	12.0	13.0	3.5	0.5	0.5	.....	37.5
Echeta	.....	6.0	2.0	10.0	8.0	1.0	7.0	3.0	.....	37.0
Elk Mountain	.....	9.0	T.	6.0	5.0	4.0	13.0	19.0	3.4	59.4
Emblem	(*)	1.5	3.5	2.0	1.0	T.	1.0	4.0	.....	.....
Encampment	2.5	4.9	8.5	9.3	6.0	5.0	2.0	14.8	T.	53.0
Ervay	.....	27.5	5.0	7.0	(*)	6.0	23.0	15.0	T.	.....
Evanston	3.0	8.0	9.0	6.5	3.0	3.0	6.0	8.0	3.0	49.5
Fort Laramie	.....	(*)	0.6	2.7	18.9	2.1	.....	.....	.....	.....
Foxpark	2.4	15.5	10.0	13.0	26.0	15.5	12.0	39.0	11.1	144.5
Hecla	.....	4.0	2.0	7.0	14.5	4.5	6.5	18.0	.....	56.5
Hyattville	.....	6.0	(*)	.....	T.	4.0	.....	.....	.....	.....
Kirtley	.....	.....	4.0	2.0	15.0	5.0	.....	7.0	.....	33.0
Knowles	.....	17.5	6.5	9.6	4.6	2.3	13.5	9.7	.....	63.7
Lagrange	(*)	(*)	8.0	6.0	18.0	4.0	3.0	(*)	.....	.....
Lander	.....	34.5	16.7	9.3	3.0	2.0	7.3	21.0	T.	93.8
Laramie	T.	11.5	.....	9.3	10.5	6.0	3.3	20.5	5.0	66.1
Lovell	.....	T.	T.	2.3	1.1	2.1	0.4	T.	.....	5.9
Lusk	.....	8.2	.....	4.5	12.7	3.2	0.1	5.0	.....	33.7
Moran	4.0	6.0	12.0	29.0	(*)	(*)	(*)	(*)	.....	.....
Newcastle	.....	2.0	5.0	5.5	5.5	4.5	1.0	1.5	.....	25.0
Opal	T.	18.0	(*)	6.0	6.0	9.0	10.0	14.0	3.0	.....
Pathfinder	.....	3.7	1.5	6.3	6.8	4.5	2.0	4.7	T.	29.5
Pine Ridge	.....	12.0	5.5	14.0	21.0	1.0	4.5	4.5	.....	62.5
Powell	.....	T.	.....	2.0	0.2	T.	T.	T.	.....	2.2
Rawlins	T.	9.5	(*)	(*)	(*)	1.0	1.0	9.0	.....	.....
Riverton	.....	15.0	17.0	(*)	(*)	1.0	1.1	3.8	.....	.....
Rocky Point	T.	5.5	8.5	5.0	5.5	2.5	9.0	3.0	.....	39.0
Saratoga	T.	(*)	2.0	8.0	3.8	5.0	6.0	12.0	T.	.....
Sheridan	.....	5.3	5.4	5.1	6.7	1.3	3.3	0.6	.....	27.7
Shoshone Dam	T.	0.3	T.	2.2	1.5	3.0	1.4	1.0	T.	9.4
South Pass City	T.	22.8	8.0	11.2	9.1	3.5	7.8	10.2	2.0	74.6
Spencer (near)	.....	5.5	3.0	3.8	11.5	4.5	T.	T.	.....	28.3
Sundance	T.	8.0	4.5	7.5	7.0	2.5	4.8	4.5	T.	38.8
Timber Creek	.....	24.0	18.0	6.5	8.3	5.0	29.5	39.0	10.0	140.3
Upton	.....	3.0	4.0	9.0	8.0	4.0	.....	9.0	.....	37.0
Verona	.....	6.0	11.0	8.0	8.0	3.0	9.0	7.0	.....	52.0
Wheatland	.....	5.0	2.8	6.2	11.6	T.	.....	(*)	.....	.....

† Formerly Grand Rapids.

Monthly and seasonal snowfall, 1920–21—Continued.

Stations.	1920				1921					Seasonal.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Wyoming—Continued.										
Willow Springs Ranger Station	.....	22.0	8.0	12.0	(*)	(*)	14.0	8.5	.....	.....
Worland	.....	2.0	1.1	2.2	2.8	1.5	0.7	2.5	.....	12.8
Wyncote	.....	4.5	T.	6.0	13.0	1.0	.....	.....	.....	24.5
Yellowstone Park	2.0	17.1	10.4	14.4	14.6	6.3	12.4	11.1	11.3	99.6
Gallatin †	(*)	(*)	(*)	(*)	(*)	15.1	27.6	14.1	(*)	.....
Lake Yellowstone †	7.0	9.5	21.0	31.0	24.5	10.0	27.0	10.5	T.	140.5
Riverside †	T.	2.0	(*)	(*)	(*)	5.0	(*)	21.0	.....	.....
Snake River †	T.	11.0	32.0	36.0	49.0	27.0	20.0	14.0	T.	189.0
Canadian stations.										
St. Johns, Newfoundland	.....	.....	4.0	24.0	24.0	74.0	8.0	2.0	T.	136.0
Port aux Basques, Newfoundland	.....	.....	7.1	23.8	35.5	21.3	14.5	5.0	0.7	107.9
Sydney, Cape Breton Island	.....	.....	11.5	11.5	27.5	46.0	18.0	7.0	.....	121.5
Halifax, Nova Scotia	.....	.....	1.4	4.6	24.2	18.7	6.9	2.6	T.	58.4
Yarmouth, Nova Scotia	.....	.....	3.3	13.0	14.5	31.2	1.5	.....	.....	63.5
Charlottetown, Prince Edward Island	.....	.....	9.9	11.5	23.9	20.9	12.2	9.5	.....	87.9
Chatham, New Brunswick	.....	.....	9.2	36.0	18.8	16.3	13.7	12.4	0.4	106.8
Father Point, Quebec	.....	.....	12.1	42.4	21.5	7.2	16.7	1.9	.....	101.8
Quebec, Quebec	.....	T.	12.1	23.9	15.9	11.4	7.4	3.7	.....	74.4
Montreal, Quebec	.....	0.2	10.9	21.4	12.6	9.1	6.1	2.5	.....	62.8
Stonecliffe, Ontario	.....	0.3	9.9	6.4	6.7	16.2	3.3	0.7	.....	43.5
Ottawa, Ontario	.....	.....	15.5	15.6	14.3	11.5	10.4	3.4	.....	70.7
Kingston, Ontario	.....	.....	23.5	6.1	2.8	9.4	5.6	.....	.....	47.4
Toronto, Ontario	.....	0.3	10.9	11.5	4.0	11.6	1.0	3.6	.....	42.9
Cochrane, Ontario	T.	4.5	12.5	10.0	13.5	6.0	3.5	6.0	4.0	60.0
White River, Ontario	.....	0.5	6.7	13.5	8.0	11.8	6.0	2.4	5.5	54.4
Port Stanley, Ontario	.....	.....	19.1	9.7	(*)	(*)	(*)	(*)	(*)	.....
Southampton, Ontario	.....	T.	12.2	23.5	14.5	10.9	3.0	1.7	.....	65.8
Parry Sound, Ontario	.....	4.7	4.1	51.0	16.5	19.1	6.0	0.5	.....	101.9
Port Arthur, Ontario	.....	.....	1.6	11.2	6.4	9.8	10.4	.....	T.	39.4
Winnipeg, Manitoba	.....	.....	11.3	7.8	11.0	25.2	10.8	1.4	0.1	67.6
Minnedosa, Manitoba	.....	.....	6.8	5.5	6.8	3.2	7.4	10.3	T.	40.0
Le Pas, Manitoba	(*)	(*)	(*)	(*)	(*)	21.7	5.4	11.2	0.5	.....
Port Nelson, Manitoba	.....	T.	7.0	15.0	7.0	11.0	11.8	22.5	2.0	76.3
Qu'Appelle, Saskatchewan	.....	T.	3.4	5.2	3.4	11.0	12.0	20.3	1.2	56.5
Moose Jaw, Saskatchewan	T.	0.1	3.1	1.5	2.9	5.3	7.5	4.3	.....	24.7
Swift Current, Saskatchewan	.....	0.6	0.9	1.8	1.3	0.8	5.6	2.2	.....	13.2
Medicine Hat, Alberta	.....	T.	0.1	8.4	0.9	5.5	16.4	14.9	.....	46.2
Calgary, Alberta	.....	5.2	1.0	5.5	8.9	6.0	19.3	10.0	2.0	57.9
Banff, Alberta	.....	4.7	1.3	10.3	27.8	13.0	17.3	6.7	3.2	84.3
Prince Albert, Saskatchewan	.....	0.4	6.5	4.5	10.8	16.3	23.5	26.5	4.0	92.5
Battleford, Saskatchewan	.....	.....	T.	2.0	8.0	14.4	6.4	16.6	1.0	48.4
Edmonton, Alberta	.....	1.6	1.7	2.5	7.9	13.6	15.8	2.5	2.4	48.0
Kamloops, British Columbia	.....	.....	T.	8.0	6.5	2.0	2.2	T.	.....	18.7
Victoria, British Columbia	.....	.....	.....	.....	2.4	0.6	1.9	.....	.....	4.9
Barkerville, British Columbia	22.5	26.7	21.0	36.5	48.0	26.0	30.0	27.0	21.3	259.0
Triangle Island, British Columbia	.....	.....	.....	T.	1.0	0.5	1.5	.....	.....	3.0
Prince Rupert, British Columbia	.....	0.5	.....	3.5	20.2	17.7	7.1	1.5	0.5	51.0
Atlin, British Columbia	3.3	9.2	3.5	17.7	4.7	8.2	5.0	0.6	4.5	[1] 57.4
Dawson, Yukon	0.6	17.6	9.8	3.1	5.8	7.5	8.5	0.6	.....	53.5
Prospect Point, Bermuda	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0

† Station in Yellowstone Park.

[1] Includes July, 1920: Atlin, 0.7.

EVAPORATION, 1920.

Monthly and annual evaporation (in inches and hundredths) for 1920.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alabama.													
Silverhill		3.46	4.53		5.97	7.45	6.75	5.72	6.30	4.72	3.57	2.37	
Arizona.													
Mesa	2.15	2.39	5.57	8.87	11.38	12.04	11.31	9.23	7.91	6.05	3.37	2.98	83.25
Roosevelt	2.08	2.54	4.87	7.16	10.61	12.40	13.21	10.18	8.53	5.72	2.77	2.40	82.47
Willcox	2.84	3.75	6.43	8.92	10.91	10.76	11.40	9.45	7.85	5.68	3.45	3.55	84.99
Yuma	2.73	2.98	5.23	6.79	7.31	8.12	9.55	9.25	7.49	5.43	2.75	2.66	70.29
Yuma (Citrus)										8.86	6.10	5.07	
California.													
Chula Vista	2.64	2.92	4.92	6.18	6.35	7.39	7.36	7.41	6.16	4.97	3.53	3.05	62.88
Dodgeland	1.23	2.04	3.14	5.82	9.24	10.21	10.48	8.41	6.19	3.53	1.34	1.02	62.65
Oakdale	1.47	2.30	3.25	5.93	10.95	12.38	14.21	13.99	9.74	4.56	2.22	1.13	82.13
Tahoe				4.69	4.88	4.08	6.22	7.09	4.69	3.20			
Hawaii.													
Hoaeae Upper	3.73	4.81	4.81	5.46	5.96	5.97	6.97	7.55	6.48	6.73	3.90	3.77	66.14
Maunawili	2.69	3.38	3.61	3.57	3.80	3.89	4.04	4.29	3.85	3.54	3.21	3.05	42.92
Idaho.													
Arrowrock					6.44	7.62	10.62	9.47	4.69				
Deer Flat							7.45	6.65	4.21	2.42			
Jerome				4.31	6.34	6.97	9.90	6.42	2.73	1.83			
Kansas.													
Tribune				6.41	7.86	11.09		9.23	7.10	7.29			
Wichita					5.88	8.65	8.69	7.20	7.20	5.94			
Maine.													
Gardiner (land pan)					4.73	4.89	6.18	4.36					
Gardiner (floating pan)					3.12	3.99	4.88	3.87	1.97				
Minnesota.													
Centerville					6.07	5.71	7.17	6.07	4.64	3.85			
Missouri.													
Columbia				3.52	4.49	6.92	7.01	5.02	3.33	2.25			
Columbia (substation 1)				4.79	5.17	8.42	9.08	6.19	4.87	3.74			
Montana.													
Agricultural College				1.07	5.20	5.45	7.78	6.88	4.23	2.21			
Sun River Canyon					5.45	3.54	5.05	5.05	4.67	2.38			
Valier						5.67	7.83	6.85	5.31	2.57			
Willow Creek Reservoir						6.10	4.07	4.14	3.99	2.08			
Nebraska.													
Lincoln				5.06	5.51	8.28		6.19					
Nevada.													
Marlette Lake							8.63	8.39	6.34				
Pahrump			6.04	8.59	10.38	12.54	12.13	11.90	8.53	5.40	2.24	1.71	
New Mexico.													
Agricultural College	2.23	4.05	7.47	10.36	11.99	11.62	12.90	9.89	8.95	6.10	3.01	3.13	91.70
Elephant Butte Dam	1.92	3.91	8.37	10.47	14.17	12.47	13.51	10.66	9.95	8.63	3.66	3.47	101.19
Santa Fe	1.59	2.10	3.91	5.56	8.51	9.04	8.61	7.51	6.53	4.65	2.01	1.71	61.71
New York.													
Albany					4.49	4.49	5.27	4.79	3.77	2.48			
Ithaca					4.93	4.78	5.02	4.45	4.07	2.93			
Ohio.													
Ohio State University					4.87	5.12	6.02	3.58	3.63	2.80			
Wooster					4.44	5.02	5.81	3.97	3.79	2.24			
Oregon.													
Corvallis					5.22			7.16	3.06				
Porto Rico.													
San Juan	5.55	4.37	7.21	8.41	7.82	7.76	8.98	8.88	7.58	5.96	5.28	5.42	83.22

Monthly and annual evaporation (in inches and hundredths) for 1920—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Dakota.													
Rapid City	.....	.....	.....	2.81	4.31	5.82	6.81	7.63	4.77	3.65	.....	.....	.....
Texas.													
Austin	.....	2.73	6.15	6.78	6.32	6.39	8.47	6.15	6.88	4.28	2.81	3.03	.....
Utah.													
Myton	.....	.....	.....	5.70	.....	5.48	9.92	7.51	5.67	3.83	.....	.....	.....
Piute Dam	.....	.....	.....	.....	9.65	13.85	12.75	9.61	7.60	5.14	2.47	.....	.....
Provo	.....	.....	.....	2.58	6.39	7.54	6.70	5.95	3.98	.....	.....	.....	.....
Virgin Islands.													
St. Croix	4.49	4.92	6.37	7.26	.....	7.34	7.96	.....	6.34	.....	3.97	4.47	.....
Washington.													
Lake Kachess	.....	.....	.....	.....	.....	.....	6.26	4.68	1.70	.....	.....	.....	.....
Walla Walla	.....	.....	2.84	3.72	.....	6.70	10.03	7.71	3.88	1.74	.....	.....	.....