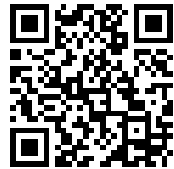
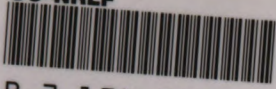

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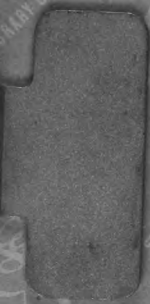
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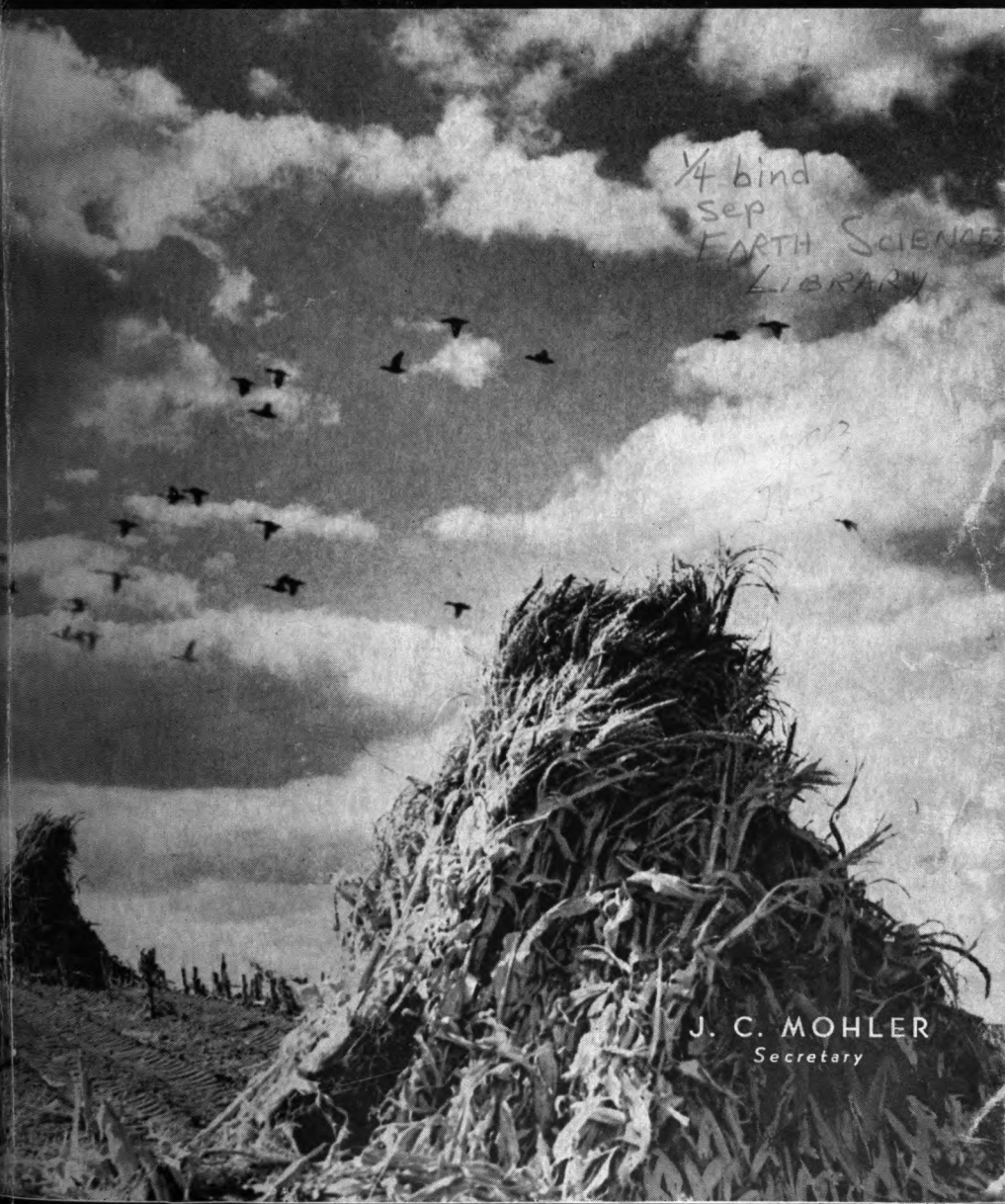
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Report of the Kansas

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Secretary

CLIMATE OF KANSAS

REPORT

OF THE

Kansas (State) Board of Agriculture

Vol. LXVII

June, 1948

No. 285

Climate of Kansas

A chronicle of Kansas climate, past and present, prepared by S. D. Flora, Meteorologist, U. S. Weather Bureau, and his associates; evidencing the dependence of bountiful agriculture upon favorable climatic environment.

The data in this volume compiled by the Kansas Climatological Section Center, Topeka, Kan., of the United States Department of Commerce, Weather Bureau. S. D. Flora, Section Director.

J. C. MOHLER, *Secretary*,
Topeka, Kansas.

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KANSAS IN ONE SENTENCE

by

Elbert Hubbard

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Kansas, a land of smiling sunshine, of winding streams, and waving corn, and happy home:

When you have but to tickle the soil to make it laugh a harvest; a land dotted with school houses, and growing towns and villages that call themselves "cities"—this by divine right, for they have the prophetic outlook, and tomorrow will be what today think they are;

A land of sensitive souls where nothing is good enough, but must be better; where nothing ever is, but all things are becoming; a land of pigs given to adipose, of sleek cattle, of strong men with individuality plus, who feel deeply and write vividly;

A land where hens lay lavishly and cackle in proportion, where miles gambol in the green and are not ashamed of their pedigree; A land whose finest products are its young men and women, with their superb physical health, their proud ambition, their high appreciation of their capacity for useful work and their right interest;

A land where there is so much that is noble and pure and true and beautiful and good that if men in Kansas occasionally lapse, God in love and pity engages Gabriel in conversation, points to the Pleiades, looks the other way and forgets it—happy, prosperous, smiling Kansas.

PREFACE

"Facts more valuable than all the gold of the Klondike lie buried in the Weather Bureau's climatological records" according to no less an authority than Dr. Isaiah Bowman, President of the American Association for the Advancement of Science, 1932.

The purpose of this bulletin is to make some of these "frozen assets" of Kansas available to the general public and to persons engaged in research work that involves the weather and climate of the State.

The earliest official weather records were begun in this State in the 1830's and the 1840's, some under supervision of the Surgeon General of the Army and some supervised by the Smithsonian Institute. The number increased very slowly until the late 1880's. At the present time 210 daily records of precipitation and 94 temperature records are made at well distributed points under supervision of the Weather Bureau. Self-registering raingages, tipping bucket or weighing, are maintained at 51 stations.

At six First Order stations of the Bureau, including Kansas City and St. Joseph, Missouri, detailed records of many additional weather elements have been compiled over a long period of years, largely from self-registering instruments. In recent years a considerable number of airway stations have also furnished valuable hourly and 6-hourly records.

The first official record of precipitation in the State was begun at Ft. Leavenworth in 1836, and the next at Ft. Scott in 1843. Another was begun at Ft. Larned in 1860, another at Ft. Hays in 1868, another at Ft. Wallace in 1870, and another at Ft. Dodge in 1874. All of these, except the ones at Dodge City and Hays, were discontinued at one time or another and in most cases resumed in later years. The longest unbroken precipitation records in the State are those for Manhattan, begun in 1858, and at Lawrence, begun in 1868.

Early temperature records, which were begun at a number of places from 1860 to 1890, are in numerous instances not comparable with those maintained after the standard instrument shelter was put into general use in the 1890's.

The present network of weather recording stations in the State dates from June 1887, when Mr. T. B. Jennings, then a sergeant in the Signal Corps, U. S. A., was assigned to Topeka for this purpose. The Weather Bureau Office at Topeka, which as Section Center has had supervision of these substations, is unique in that during all the 60 years it has been in operation but two men have been permanently assigned as Official in Charge.

By October 1898, this network of Kansas stations had increased to 66 and the publication of their records in monthly and annual bulletins was begun. This publication, now designated Climatological Data, Kansas Section, has been continued since that date, except for a break in the issue of monthly bulletins from June 1909, to January 1914.

Prior to the beginning of this bulletin monthly and annual values, and in some cases extremes, furnished by these substation observers were printed in whole or in part in annual reports of the Chief Signal Officer, U. S. A., annual reports of the Chief of the Weather Bureau, the Monthly Weather Review, and for some years in the Biennial Reports of the State Board of Agriculture.

Early records were generally made on forms that did not admit of carbon copies and consequently are not generally available, except in files in Washington, D. C. Shortly after the Weather Bureau was created and took over this work, on July 1, 1891, the present Form 1009 was devised which was adapted for carbon copies, so that the cooperative observer and section center at Topeka could each retain a copy of the original record, the latter being forwarded for file at the Central Office of the Weather Bureau, Washington, D. C. This form was continued without material change

with the result that the Weather Bureau Office at Topeka has a complete file of original records for each climatological station in the State, beginning early in the 1890's. It is from these records that much of the information that follows has been compiled.

Cooperative observers, of whom there are more than 180 in Kansas and 6,000 in the Nation, render a service entirely without monetary compensation so valuable it is impossible to estimate its worth. There is no other group of persons in the country who give so unselfishly of their time in making daily observations over long periods of years for the benefit of their respective communities and the Nation. It is their cooperation that has made possible a publication of this nature.

Men and women of every walk of life are found among these observers. In nearly every instance they are leaders in their respective communities. Some of the most representative are farmers, housewives, bankers, college professors, merchants, and newspaper men. Each is interested in weather and the betterment of his or her community.

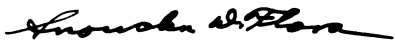
Many cooperative observers serve for 30 to 40 years, or more. The oldest in Kansas in point of service is Mr. M. A. Webb, of Toronto, who has kept an unbroken record for more than 47 years. There are a number of others whose length of record comes very close to this.

Often the work of these observers is handed down from father to son or from father to daughter. In Norton County Mr. Cale Sleffel is the third generation of his family to act as cooperative observer, continuing the record begun by his grandfather, Mr. H. A. Sleffel, in 1903. At McPherson Mr. Ed Haberlein has for 27 years carried on the weather record begun by his father over 60 years ago. At Burlington Mrs. Mabel M. Hunt has continued for almost 20 years the record her father kept, beginning with 1909. Many similar instances could be cited.

This publication was inspired by the masterly work of Dr. S. S. Visher, The Climate of Indiana, and was largely instigated through suggestions of Prof. L. E. Call, Dean of the School of Agriculture, Kansas State College, and his successor Prof. R. I. Throckmorton. Credit must also go to Dr. C. F. Sarle, Assistant Chief of Scientific Services, U. S. Weather Bureau, who took an especial interest in the matter, and last but by no means least, to Mr. J. C. Mohler, Secretary of the Kansas State Board of Agriculture, who offered many valuable suggestions and through his organization provided the funds for printing.

Among those who did much of the actual work of compiling and preparing the matter in the bulletin I would especially mention the late Mr. W. A. Mattice and his successor in the staff of this office, Mr. A. D. Robb, also Mr. P. N. Eland and Mr. Geo. B. Hummer, and others of our staff. I wish also to express my appreciation to Mr. Geo. S. Knapp, Chief Engineer, Division of Water Resources, State Board of Agriculture, who made available services of draftsmen for preparation of many of the charts and graphs that appear.

Weather Bureau Office,
Topeka, Kansas,
April, 1947.



SNOWDEN D. FLORA, Meteorologist.

PICTURE ON BACK COVER

The picture on the back cover shows the equipment at a typical cooperative station of the Weather Bureau, in this case at Lincoln, Kansas.

The white box shelter with the louvered sides, set on four posts, shelters two standard thermometers one of which, the maximum, registers the highest temperature of a 24-hour period, and the other, the minimum, registers the lowest 24-hour temperature. The shelter is especially designed to permit free circulation of the air and to prevent the readings of the thermometers from being affected by direct radiation.

The rain gage, shown at the right of the shelter, is a metal cylinder 8 inches in diameter and 24 inches high with a funnel-shaped receiver at the top that causes rain to be collected in a brass tube with a cross section one tenth that of the 8-inch can. This has the effect of magnifying the catch ten fold and permits of more accurate measurements. The concrete support firmly holds the gage upright.

There are 86 cooperative stations similar to this in Kansas and approximately 100 others equipped with rain gages only where public-spirited citizens serve without pay in keeping daily weather records of their respective communities. Many of these serve from 30 to 40 years, or more. Compilations of data, such as appear in this bulletin, would not be possible without the records of these numerous cooperative stations.

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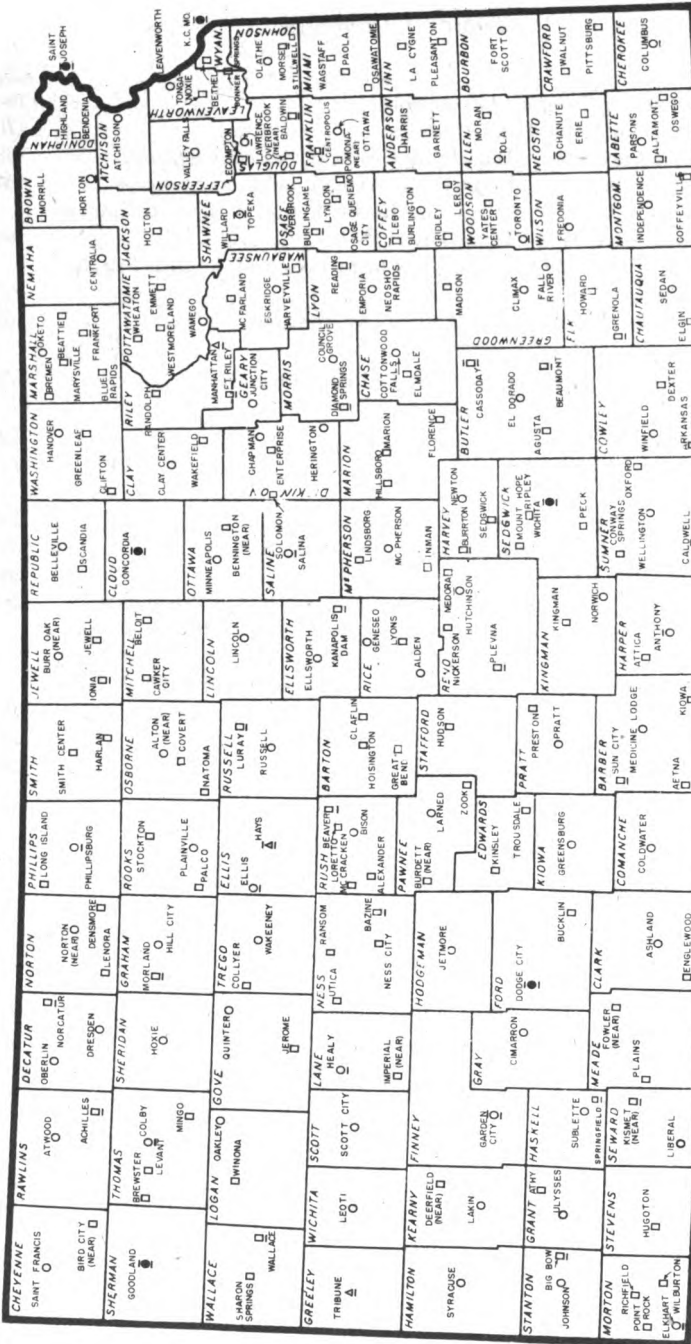
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U. S. WEATHER BUREAU STATIONS OPERATING IN 1946



NOTE: - DASH (-) ABOVE STATION SYMBOL INDICATES AVAILABILITY OF HOUR IN TEMPERATURE DATA, BELOW SYMBOL-AUTOGRAPHIC PRECIPITATION RECORDS

LEGEND -

- SECTION CENTER
- WEATHER BUREAU OFFICE
- △ SUBSTATION (TEMPERATURE, EVAPORATION AND PRECIPITATION)
- SUBSTATION (TEMPERATURE AND PRECIPITATION)
- SUBSTATION (PRECIPITATION)
- △ SUBSTATION (TEMPERATURE, EVAPORATION AND PRECIPITATION)
- ANL. PRECIPITATION

THE CLIMATE OF KANSAS

By

SNOWDEN D. FLORA

Meteorologist, U. S. Weather Bureau and State Board of Agriculture

Kansas, the premier wheat state, has an annual mean temperature almost as high as that of Virginia, more sunshine than that of any state to the east, and generous summer rains which, in the eastern counties, average heavier than those of other states, except a few along the Gulf Coast.

This favorable combination of weather elements and availability of more arable land than that in any other state, except Texas, accounts for the high rank of Kansas in crop production, finished livestock, and dairy products.

The State lies across the path of alternate masses of warm moist air moving north from the Gulf of Mexico and currents of cold, comparatively dry, air moving from the polar regions. Consequently, its weather is subject to frequent and often sharp changes, usually of short duration.

Summers are inclined to be warm—often the word "hot" describes them best—but are healthful, with low relative humidity during periods of high temperatures, and usually a good wind movement. Heat prostrations are almost unknown. Summer nights are usually cool, especially in the western counties.

Winters are drier, with more sunshine than those of eastern states. The average snowfall is less than that of other states, except those located farther south. Michigan, Pennsylvania, New York, and the New England States normally have from two to three times as much snowfall as Kansas.

The borders of Kansas extend 400 miles from the moderate elevations and rather humid conditions of the lower Missouri Basin to the high plains lying along the eastern slope of the Rockies. As a result, it has three rather distinct climates, outlined roughly by its eastern, middle, and western thirds.

The eastern third, rising gradually from an elevation less than 800 feet in the southeastern part to near 1,200 feet along its western line, has an average annual precipitation of 35.27 inches, a higher relative humidity, less sunshine, and less range between day and night temperatures than other parts of the State. Its winters are somewhat milder and its growing season longer than areas to the west and north. Fine yields of corn and alfalfa are produced in this section in normal years. Truck crops and fruit can be raised in abundance. Wheat is a comparatively minor crop, its average yield being less than fifteen per cent of the State's total. The famous native grassland pastures, known as "The Bluestem Hills," are located in this section.

The middle third, with an elevation generally between 1,200 feet and 2,000 feet, has an average annual precipitation of 26.45 inches. It has drier and more bracing air, more sunshine, a better wind movement, and a greater range between day and night temperatures than the eastern third. Spring and the advancement of crops, including harvest dates, are often earlier in the south-central counties than in the southeastern part of the State. This is the heart of the hard winter wheat belt, producing in the ten-year period ending with 1945 an average of 86,516,000 bushels annually, which is more than 50 per cent of the State's total yield. Many counties produce abundant crops of corn, alfalfa, and grain sorghums. Fruit and truck crops are grown in favorable locations.

The western third is often called "The Short Grass Country" on account of the prevalence of buffalo grass in that section. It has an elevation rising from about 2,000 feet at its eastern border to near 4,000 feet in some northwestern counties and an

average annual precipitation of 19.01 inches. The air here is almost as dry and bracing as in summer resorts of the Rocky Mountains. The amount of sunshine exceeds that of almost any part of the country except the Southwest. The wind movement is rather high. The range between day and night temperatures is considerably greater than at points farther east.

Over the ten-year period ending with 1945, this area produced an annual average of 49,200,000 bushels of hard winter wheat—approximately 31 per cent of the State's total. Large crops of grain sorghums are raised and specialized varieties of corn make good yields in favorable years. Vegetables and melons of excellent quality are raised in limited areas by irrigation, chiefly by pumping from the almost inexhaustible sources of ground water that underlie this part of the State.

A favorable feature of the rainfall of Western Kansas is pointed out by Dr. H. H. Laude, Professor of Agronomy, Kansas State College in the following:

"The comparatively low rainfall of the western part of Kansas is undoubtedly a contributing factor to the production of high protein wheat for which this region is so well known. Moderate amounts of rainfall during the latter stages of growth of the wheat plant combined with favorable temperatures favor nitrification processes in the soil and thus ample nitrogen is made available for protein synthesis at a critical time during the growth of the wheat plant. Limited rainfall frequently results in only moderate total growth of the wheat plant and thus high protein wheat is assured.

"Soils in this section of the State are seldom if ever acid or lacking in lime and do not require fertilization. This abundance of lime is very favorable for microbial activity in the soil, an additional reason why an abundance of nitrate nitrogen is made available to the wheat plant for protein production. These soils, which are not appreciably leached by rainfall, reflect this abundance of soil minerals in the chemical composition of the plants produced in this vicinity."

An article by Dr. William A. Albrecht, a specialist in soils, University of Missouri, points out that in World War I and World War II Selective Service statistics showed a "health belt" in a group of western states centering around Colorado—all in a region of light rainfall—where for every ten men examined seven were found acceptable for military service, while in some parts of the country, where the soil had been leached by heavy rains, only three out of ten were acceptable. He also points out that Navy records show men from this region of light rainfall averaged fewer cavities in their teeth than men from more humid sections of the country. Dr. Albrecht considers these favorable features of physique in the drier parts of the country were in a great measure due to the fact that soil fertility supplied the necessary elements for health.

PRECIPITATION

The amount of rain and snow that falls from year to year is the chief factor in determining the growth and yield of crops over the State.

Normal annual totals range from slightly more than 40 inches in the southeastern counties to near 30 inches in the northeastern and decrease rather uniformly to the west. At the Colorado line the average is between 16 and 17 inches. (See chart on page 26.)

The average for the State as a whole is somewhat less than that for states to the east, except Minnesota, but is greater than that of Nebraska, the Dakotas, Colorado, Wyoming, or Montana. (See chart on page 9.)

In the distribution of precipitation through the year, Kansas is especially fortunate. From 70 to 77 per cent of the annual total falls during the six crop-growing months, April to September, when it is most needed. The eastern third has an average of 24.64 inches for those months, which is greater than the average for other states, except a few along the Gulf Coast. (See chart on page 10.)

The average of the middle third for the same months, 19.49 inches, is within 14 per cent of that of either Iowa, Illinois, Indiana, or Ohio for the same period. The western third has an average fall of 14.70 inches for this period, which is almost 70 per cent of the average for the great corn-producing areas in Iowa, Illinois, Indiana, or eastern Nebraska.

The month of least precipitation is January, when only 3 per cent of the year's fall of moisture occurs. There is a steady increase in normal precipitation until June, which, on the average, receives more rain than any other month. After that, rainfall decreases until near the end of July, except in the extreme western counties, where there is little difference between the May, June, and July normals. After September, there is a steady decline in precipitation until the end of the year. (See graphs on pages 12 and 13.)

Over most of the eastern half of the State, especially the important corn-producing counties in the northeastern part, there is a decrease of 20 to 40 per cent in normal rainfall between the two-week period ending with July 15 and the following two weeks, after which the normal again rises through August and, in some cases, through September. (See chart on page 50.) This period of deficiency happens to correspond in most years with the time of the most critical period for corn, when it is silking and tasselling. It has undoubtedly been the cause of a decrease in the prospective yield of this crop on several occasions. Varieties of corn sufficiently early to pass this critical period of pollination before July 15 do much to increase the average yield of the State. There is little or no evidence of this drop in normal precipitation during the third and fourth weeks of July over the western half of the State.

The wettest year on record was 1915, when the average for the State was 40.77 inches and 19.21 inches fell in May, June, and July combined. Every month that year, except October and November, had more than the normal amount of moisture. The driest year was 1936, with a State average of only 18.31 inches. In each of five months of that year the State averaged less than an inch of precipitation. (See charts on pages 31 and 32.)

The heaviest 24-hour downpour on the State's record was 12.59 inches at Burlington on May 31-June 1, 1941, which was closely approached by a 24-hour rain of 11.39 inches, at Lindsborg on October 19-20, 1941. (See tabulation on page 46.) The greatest monthly total ever recorded was 24.56 inches at Ft. Scott during June 1845, which in later years was rather closely approached by 21.47 inches at Oswego during May 1943, and 20.10 inches at LeRoy in September 1926.

Downpours of five inches or more in 24 hours have been recorded in practically every part of the State and have been three to five times more numerous in the east-central and southeastern counties than elsewhere. More of these exceptionally heavy downpours have occurred in September than in any other month, with July second and June third in their occurrence. None of them have fallen during winter months. Approximately 25 per cent of the State's rain falls in daily amounts that total one to two inches and only about 10 per cent in downpours exceeding two inches. Almost half of it falls in daily amounts of 0.75 inch or less. (See tabulations on pages 45 and 47-49.)

Whether the average precipitation over Kansas has shown any progressive increase or decrease since the State was opened for settlement and the prairie sod broken up has been the subject of much discussion, especially in the western counties where even a small change would have an important effect on crop production.

During the rather wet period that prevailed from 1901 to 1915 a theory that "rain follows the plow" became rather widely accepted. During the dry years of the 1930's a widespread belief that the State's rainfall had decreased permanently was inevitable. Neither of these beliefs had any basis in fact. An examination of long records over the State, a number of which now cover the last 75 to 100 years, shows no significant progressive variation in the annual amount of precipitation or its distribution through the year. (See pages 32A and 32B)

In Kansas, as in other parts of the country, there have been alternately recurring wet and dry periods, with no regularity in intervals between and no apparent clues to suggest when they will occur in the future. There is reason to believe this irregular sequence of fluctuations between wet and dry conditions has prevailed since the dawn of history and that it will extend indefinitely into the future.

Snowfall in Kansas averages less than that of any state to the west of it, except Arizona and possibly California, and less than that of any other state east of the Rockies located north of the northern border of Arkansas and the Ohio River. The annual fall ranges from about 10 inches along the Oklahoma line near the central part of the State to approximately 24 inches in the northwestern counties. (See chart on page 116.) The month of heaviest snowfall is February, though March snows have averaged almost as great. During the past 58 years snow has occurred from time to time in some part of the State in every month except July and August. (See tabulation on page 117.)

On the average, the ground is snow-covered from 10 to 15 days each year in the southern counties to 30 to 35 days along the northern border. There have been occasional instances, however, when the ground remained snow-covered in some section of the State from 40 to 60 days, or more. (See tabulation on pages 119-122.)

Twenty-four hour snowfalls of 12 to 20 inches have been recorded in most parts of the State. The greatest of record was 25.0 inches at Ulysses, in one of the southwestern counties, on February 26, 1903. Snow depth does not accumulate much on account of the rather frequent sequences of mild weather, even in mid-winter months. The greatest depth of snow on record was 40 inches at Syracuse on December 31, 1918. (See tabulation on pages 119-122.)

TEMPERATURES

The annual mean temperature for Kansas, 55.0°, is within a fraction of the mean for Missouri and Virginia, from 2° to 4° higher than the mean for Illinois, Indiana, and Pennsylvania, and 5° to 6° higher than that of Iowa and Nebraska.

Over the State the annual mean ranges from 56° to 58° in the southern counties to 52° to 54° in those along the northern border. (See chart on page 149.)

In January the daily range between the high point of the afternoon and the low of night in the eastern counties averages close to 20°, while along the western border it increases to between 26° and 28°. This means that mid-winter nights in the western counties average 5° to 6° colder than in the eastern part of the State, with the lowest temperatures commonly occurring in the northwestern counties, where the mean minimum for January is 13° to 16°. (See charts on pages 154-156.)

In July the range between the high temperature of the day and the low of night averages 22° to 24° in the extreme eastern counties but increases to 30° to 32° in the extreme western counties, which means that, while summer nights are occasionally uncomfortably warm in the eastern part of the State, they are practically always cool and pleasant in the western part, where the mean minimum for July is 61° to 64°. In the northwestern counties many mid-summer nights are quite chilly. (See charts on page 152.)

Afternoon temperatures average about the same in all parts of the State, from 42° to 44° in January to near 94° in July. Readings of zero, or lower, usually occur on two to four days each winter in the southern counties and on eight to ten days in the northern counties. Readings of 100° or higher occur on an average of about ten days each summer in the eastern and western counties and fifteen to twenty days in the central portion. (See charts on pages 151, 155 and 156.)

The warmest month of the year is July, with a mean of 79° for the State, and the coldest is January, with a State mean of 30°. Lowest temperatures of the winter often occur in February. (See tabulations on pages 170-174.)

The heat, however, is usually more oppressive during the fore part of August than in July, partly because the wind movement is lighter then and partly because of lowering of body resistance to heat as the summer progresses. A welcome cooling off generally occurs the latter part of August and is often followed by a spell of "Indian summer" in October, which is undoubtedly the finest brand of weather the State experiences.

The warmest summer on record was that of 1934. In July of that year, which was the warmest month ever recorded in the State, average mean maximum temperatures of 100° to 105° occurred in many parts of the State. On some afternoons, maximum temperatures rose to 110° to 115°. The highest temperature on the State's record was 121° at Fredonia on July 18, 1936, and near Alton six days later.

The coldest winter on record was that of 1904-05, but that of 1898-99 was a close second. The coldest month since the State-wide record was begun in 1887 was January 1940, when the State average was 15.2°, which is 14.8° below normal. At Manhattan, however, January 1886 was the coldest month on a 90-year record. The lowest temperature ever recorded in the State at a station of the Weather Bureau was 40° below zero at Lebanon on February 13, 1905.

Beginning with the late 1880's, a trend towards milder winters and warmer summers began over the State and continued until the late 1930's, when a downward trend appeared. By 1945 the 10-year average of winter and summer temperatures were still well above normal. (See charts on pages 176, 177 and 178.)

In this period of rising temperatures there were some very cold winter months and abnormally cool summer months.

This trend towards warmer weather prevailed over much of the northern hemisphere and its cause is not known nor is it possible to estimate how long the downward trend in Kansas will continue. On several occasions, especially from 1900 to 1913 and in the 1930's this upward trend in temperatures seems to have been associated with a deficiency in precipitation, though occasional very wet periods were interspersed. After the downward trend in temperatures began in the late 1930's precipitation over the State tended to increase, though short dry periods occurred.

Low relative humidity that usually prevails at times of extremes in temperature does much to mitigate their discomfort. In a general way, it may be said that a reading of 100° in Kansas is no more trying than 90° in more humid eastern climates and a reading of zero often does not lead to the discomfort experienced at 10° in regions of high moisture.

Heating requirements in the cold part of the year, as determined by degree days, are about the same as in the southern parts of Illinois, Indiana, and Ohio, and are considerably less than in states to the north, including Pennsylvania, New York, and the New England States. They range from near 4,000 degree days in the southeastern counties to near 5,700 degree days in the extreme northwest, which means that, other things being equal, approximately a third more fuel will be required to keep living rooms comfortable in cold weather in the northwestern counties than in the southeastern. (See charts on pages 159 and 160.)

FROSTS

The growing season in southern and eastern Kansas—the average length of time between the last killing frost in spring and the first in fall—is longer than that of most of the important corn-producing states.

The average date of the last killing frost in spring ranges from near April 9 in the extreme southeastern counties to about May 3 in the extreme northwestern. The probability of a killing frost in spring decreases to one year in ten by April 30 in the southeastern counties and by May 20 in the northwestern. Killing frosts have been known to occur as late as the second week in May in the southeastern and south-central counties and the last week in May in the western and extreme northern counties.

(See charts on pages 223, 226, 230 and 231.)

The average date of the first killing frost in fall ranges from the first week in October in the northwestern counties to between October 20 and 25 in the southern part of the State. The probability of a killing frost in the fall is one year in ten by September 25 in some extreme northern counties and by October 10 in localities along the Oklahoma border. Killing frosts have been known to occur as early as the second week in September in the northwestern part of the State and the third week in September along the Oklahoma border. (See charts on pages 224, 227, 231 and 232.)

Truck crops are occasionally damaged by late frosts or freezes in the spring and there have been times when corn has suffered and early-blooming fruit killed. In the autumn, most crops, except sometimes grain sorghums, mature in advance of frost. Corn rarely fails to mature before a killing frost. In the northwestern counties grain sorghums are frequently damaged by it.

WINDS

Wind velocities in eastern Kansas are not materially different from those over mid-western states to the east, including Missouri, Iowa, Illinois, Indiana, Ohio, and Pennsylvania, but the south-central and western parts of the State have an average wind movement that ranks close to that of western Oklahoma and the panhandle of Texas, the windiest inland area in the country except around the Great Lakes and in isolated mountain locations. (See charts on pages 242-246.)

According to the late George P. Morehouse, one of the greatest authorities in the State on Indian history, the name "Kansas" was derived from the Kansa Indians and the name of this tribe in the Indian language refers to winds, or "wind people." Evidently, this had reference to western Kansas winds.

Continuous records of wind movement in the State have been kept only at the first-order stations of the Weather Bureau—Concordia, Dodge City, Iola, Topeka and Wichita, and on the eastern border at Kansas City and St. Joseph, Missouri. These show an average hourly movement ranging from 9.2 miles at Topeka to 12.1 at Wichita and 12.9 at Dodge City, which indicates that wind movement in the south-central and western counties is approximately a third greater than in the eastern counties. (See tabulation on page 247.)

The windiest months of the year are March and April, with, as a rule, slightly higher movement in the latter month. The months of least wind are July and August, the averages for each of these months being practically the same. There is a marked variation in wind through the hours of the day, the average movement increasing near the warmest hours of the afternoon and falling off at night. (See graphs on pages 251 and 252.)

High northerly winds usually accompany the advent of cold waves and often drift snow badly, especially in the western counties. Occasionally, during the course of a heated spell in the summer the State experiences hot winds, usually from a southerly direction. These have rather high velocities, low relative humidity, and shade temperatures of 100° to 110° or higher. They have been known to kill the foliage and to destroy growing crops, especially corn, within a short time.

Thunder squalls and line squalls occur the same as in other states east of the Rockies and sometimes do considerable damage. Tornadoes occur at irregular intervals but are not as damaging as in states to the east. (See section on tornadoes.)

Maximum velocities of 50 miles per hour, or more, are rather rare, though short gusts of greater speed have often been recorded. In the more than 50 years that wind movement records have been kept at first-order stations, no maximum velocity as great as 70 miles per hour has been recorded at any of them. (See tabulation on page 250.)

The prevailing direction of the wind in all parts of the State is from the south, April to November, inclusive, except a tendency to southeast winds at Dodge City in

spring and early summer months. During January, February, and March, northerly winds prevail, though at Wichita southerly winds prevail during all months except February. (See tabulation on page 247.)

SUNSHINE AND CLOUDINESS

Kansas, as a whole, is favored with more clear and fewer cloudy days than any state to the east or north of it. (See charts on pages 237 and 238.) During the summer and early spring this favors the progress of farm work and growth of crops. During the winter, when this difference is especially marked, it results in more pleasant weather.

At Dodge City, in the western part of the State, almost half the days are clear and less than a fourth are cloudy. At Topeka, in the eastern part, the average annual number of clear days is 145, more than a third of the total, and the number classed as cloudy, 94, is slightly less than one day in four. (See tabulation on page 241.)

RELATIVE HUMIDITY

Average relative humidity over Kansas, especially during daylight hours and early evening, is less than that of any state lying entirely east of the Continental Divide of the Rockies. (See charts on pages 133 and 138.) This results in Kansas' climate being drier and more bracing, with fewer muggy, "sticky", days during the summer and less damp weather in the winter than in states of the East and South. Such a condition favors good health. It is especially advantageous in air conditioning.

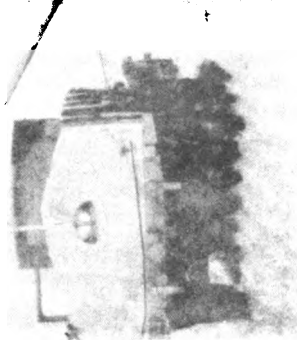
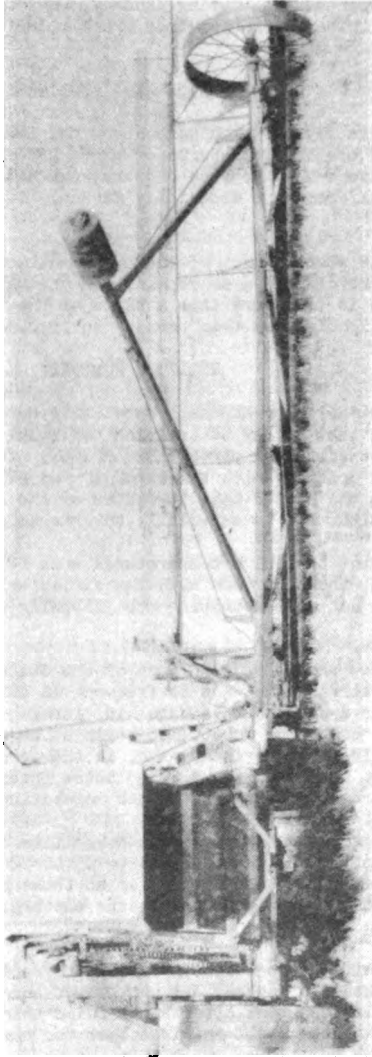
It is a well known fact that high temperatures when relative humidity is low are much less trying on the body than when the air is well charged with moisture, also that cold weather is not so penetrating to clothing when the air is comparatively dry.

The formation of dew in the western part of the State is rather rare on account of this dryness of the air and is not so frequent in other sections as in most states to the east. This is a decided advantage in farming operations as it permits harvesting, especially combining wheat, to begin at an earlier hour in the forenoon. Frost is not so likely to occur in dry air. In the western counties the dew point is generally so low that temperatures 2° to 4° below freezing have been known to occur with no deposit of frost or damage to tender vegetation.

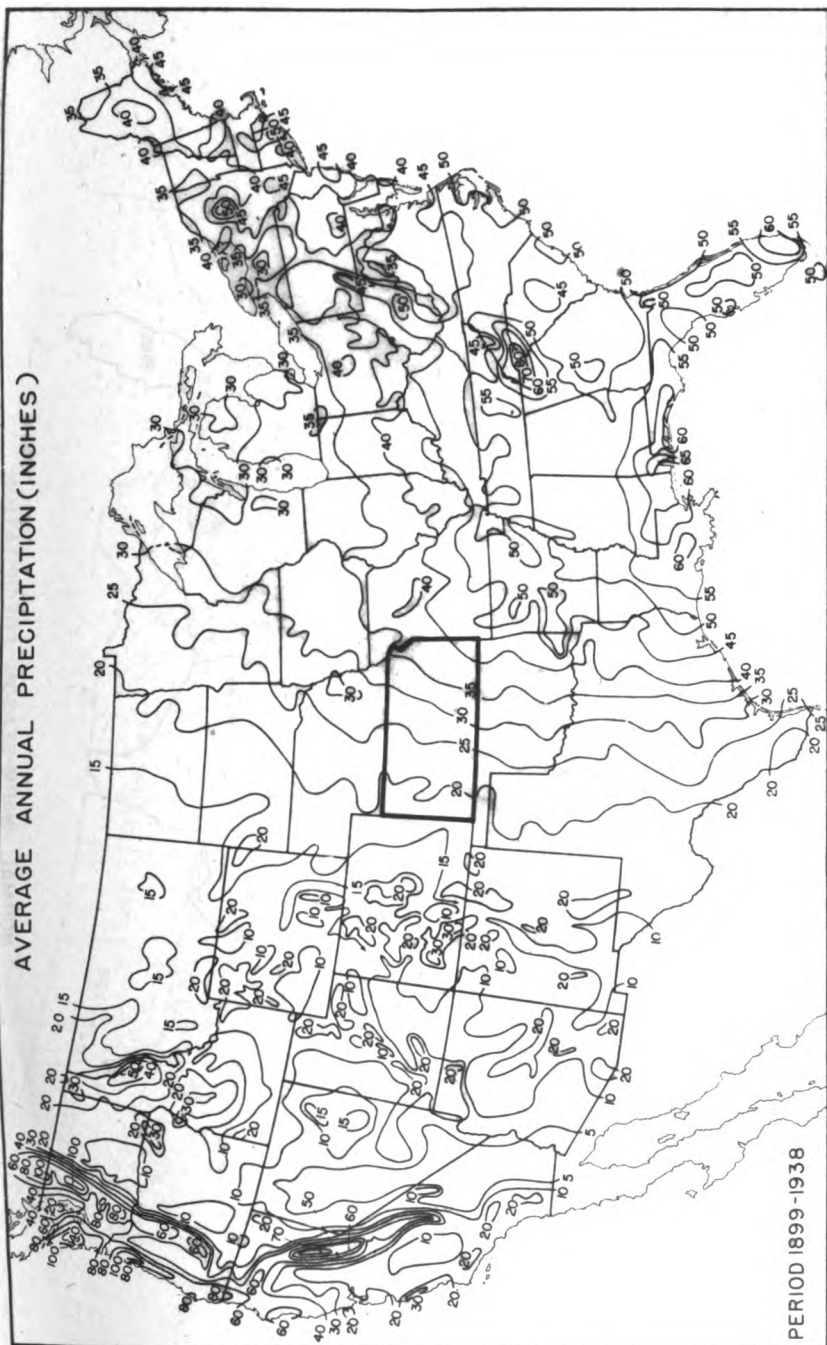
Average mid-day and early-evening relative humidities over the State in July range from 35 to 40 per cent in the western part to 45 to 50 per cent in the eastern. In the winter season they range somewhat higher at those hours, from near 60 per cent in the western part to near 70 per cent in the eastern. (See tabulations on pages 139-144.)

This low relative humidity the State enjoys favors rapid evaporation. (See tabulation on page 147.) Unsurfaced roads dry out faster and the ground is ready for plowing and cultivation in less time after heavy rains than in regions where evaporation is slower. During a heated spell in mid-summer too rapid evaporation is, of course, detrimental to growing vegetation. It happens, however, that the soil over the western part of the State, where evaporation is highest, is more retentive of moisture than in other sections.

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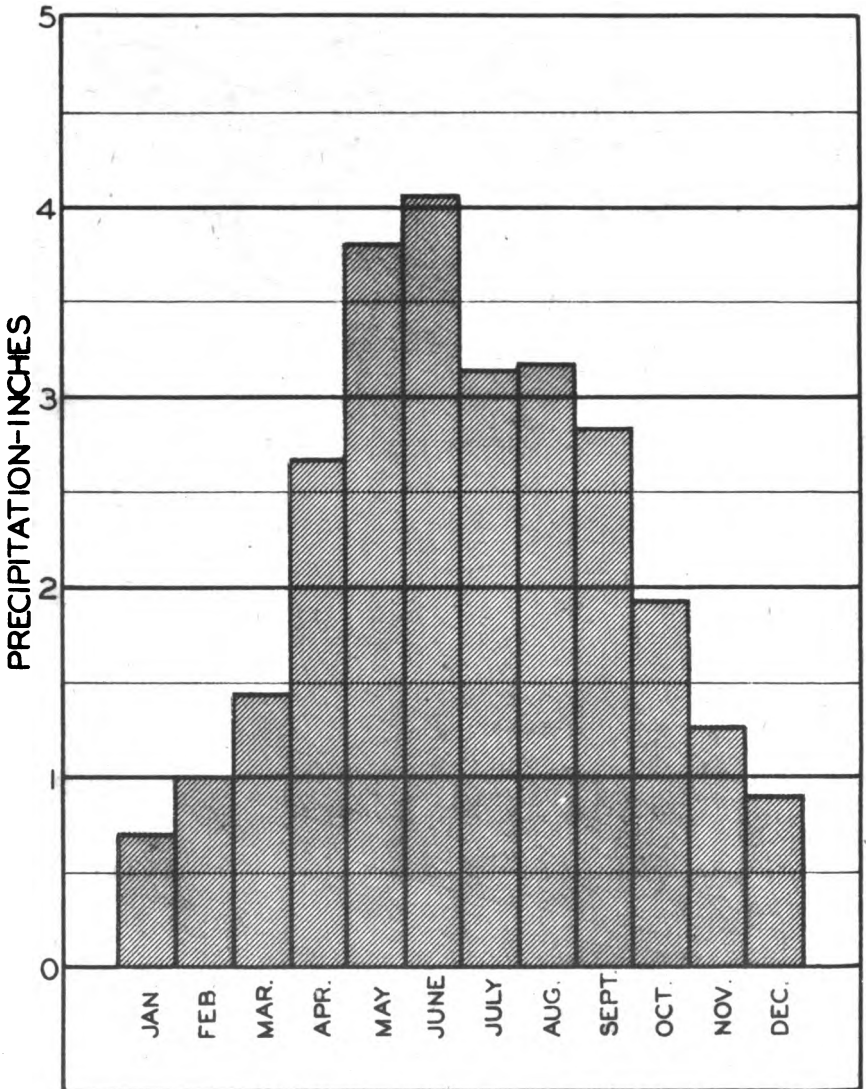
Extensive mechanization is vital in harvesting vast wheat acreages ripened by Kansas sunshine.



KANSAS

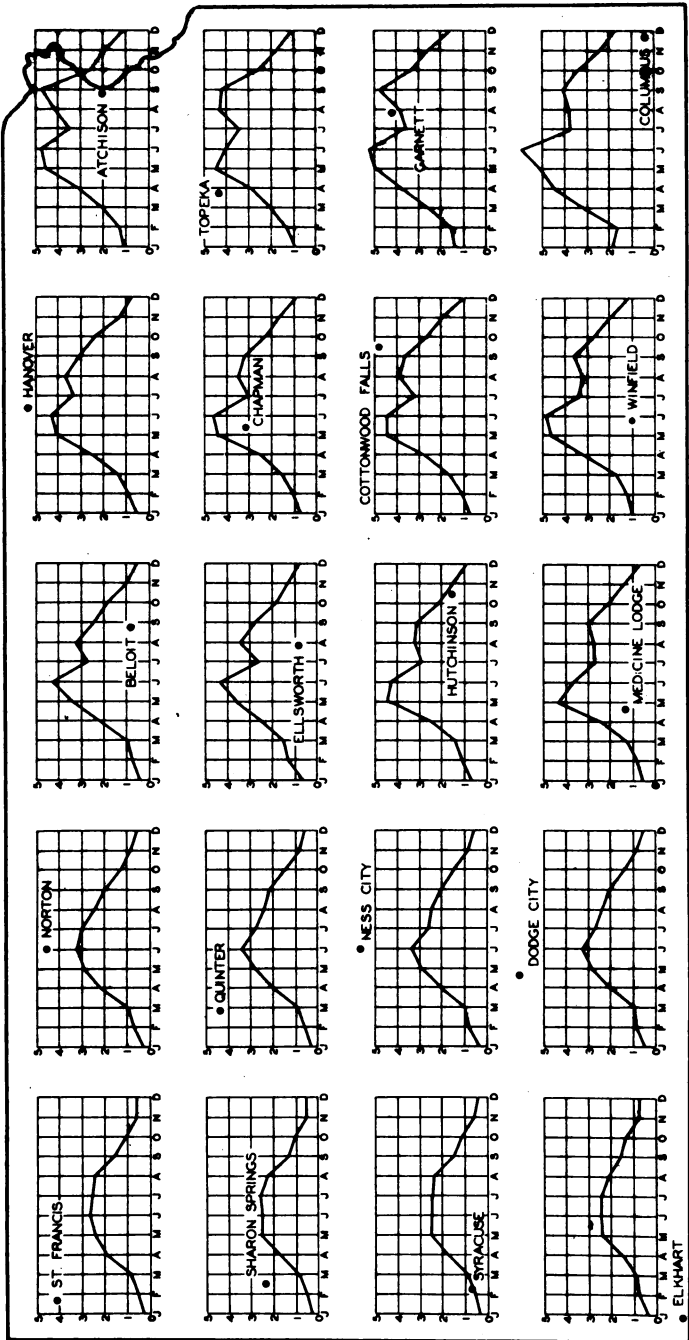
MEAN MONTHLY PRECIPITATION

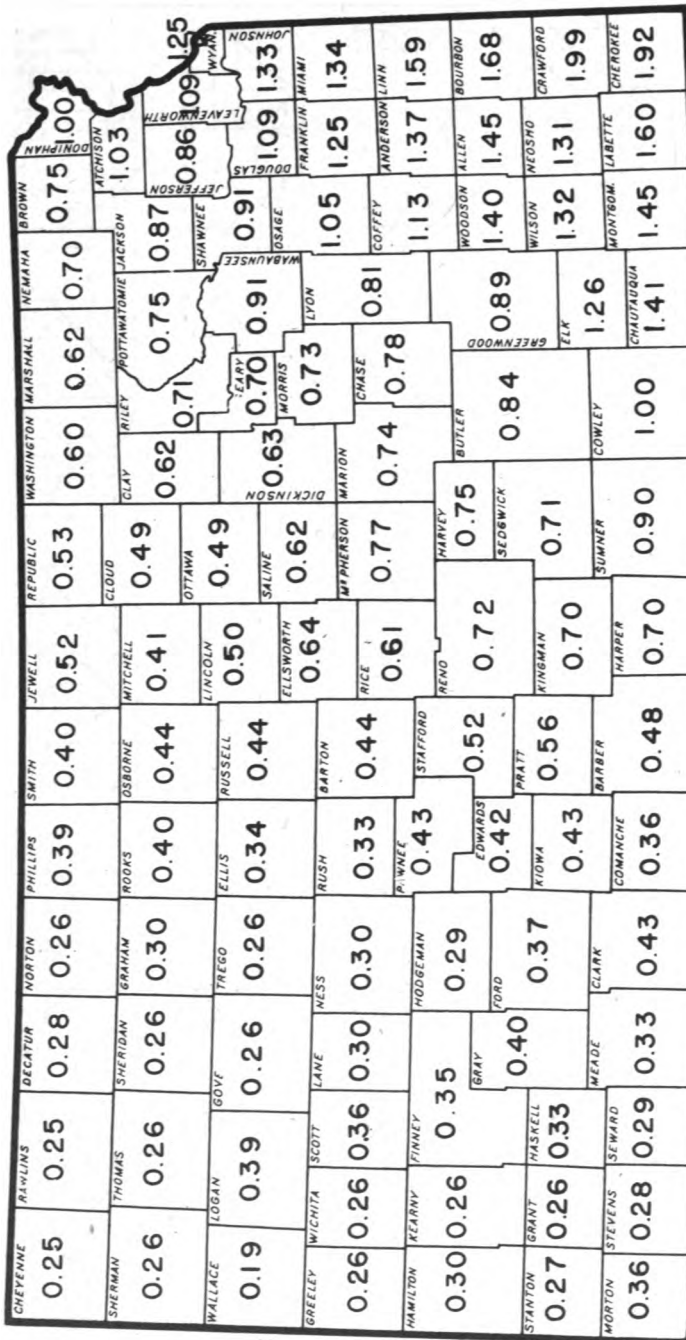
PERIOD-1887-1945



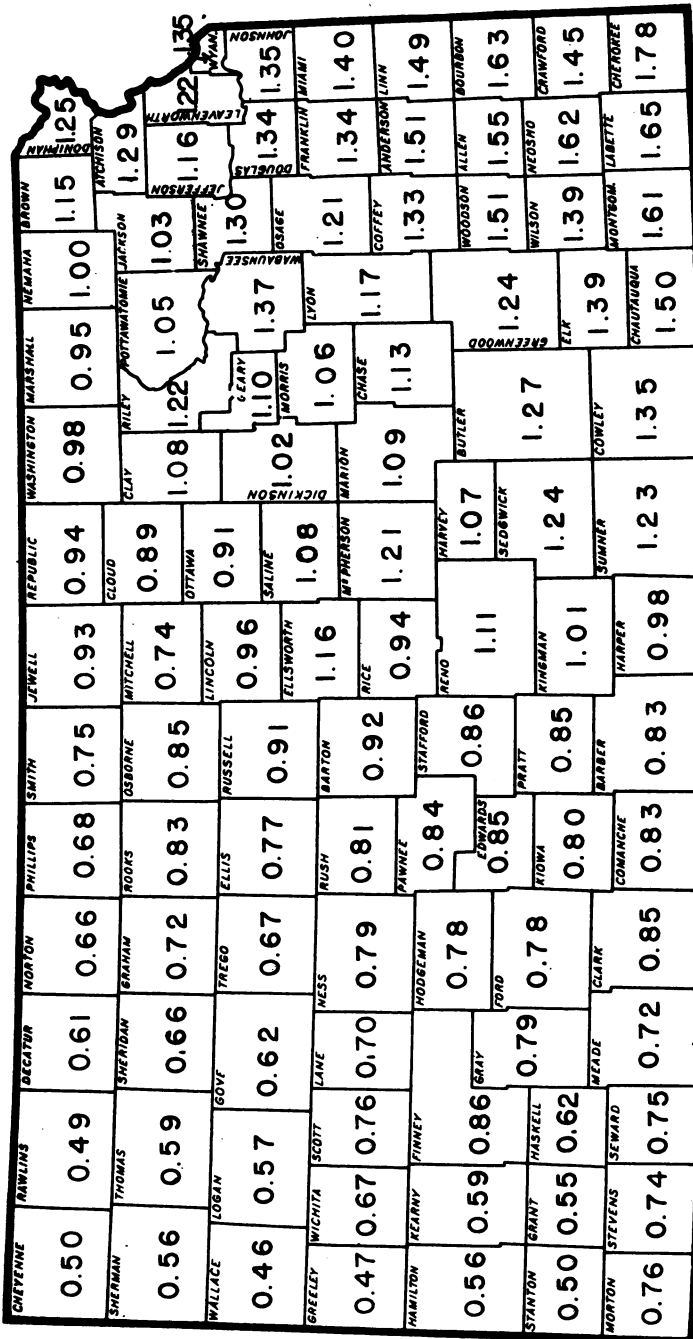
DISTRIBUTION OF NORMAL PRECIPITATION

KANSAS

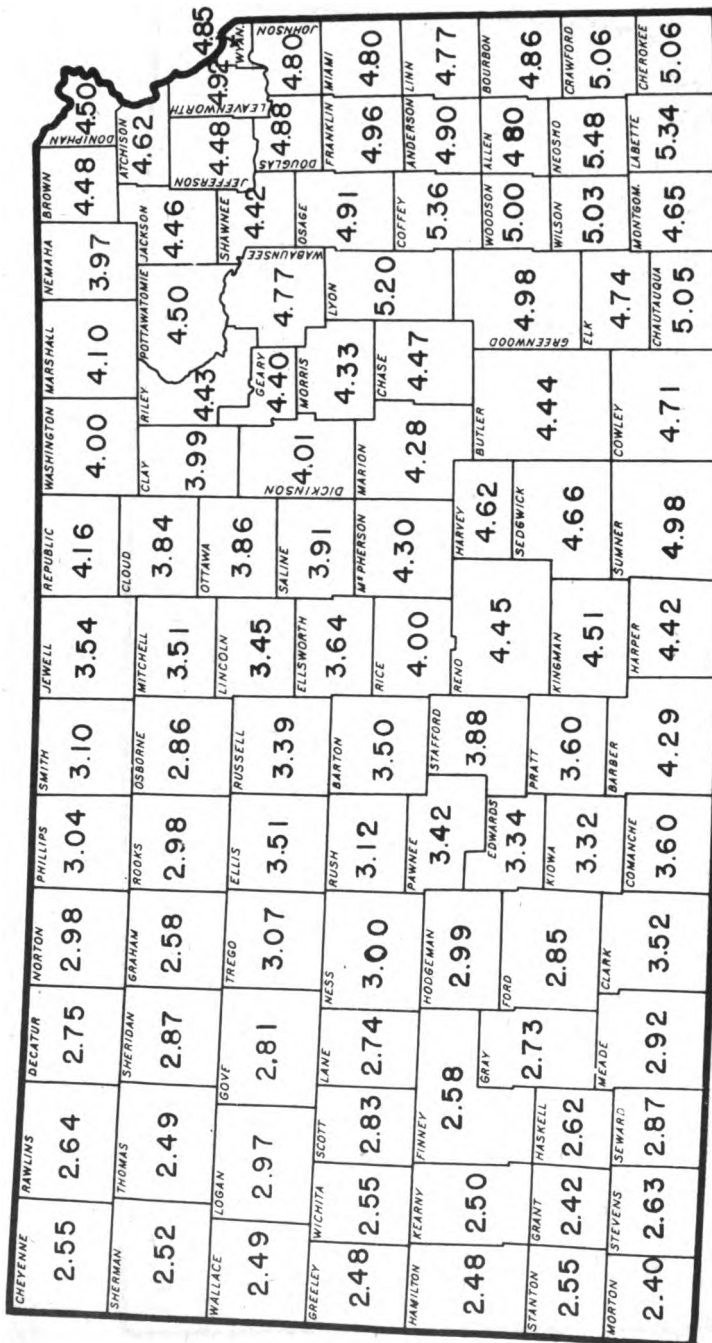




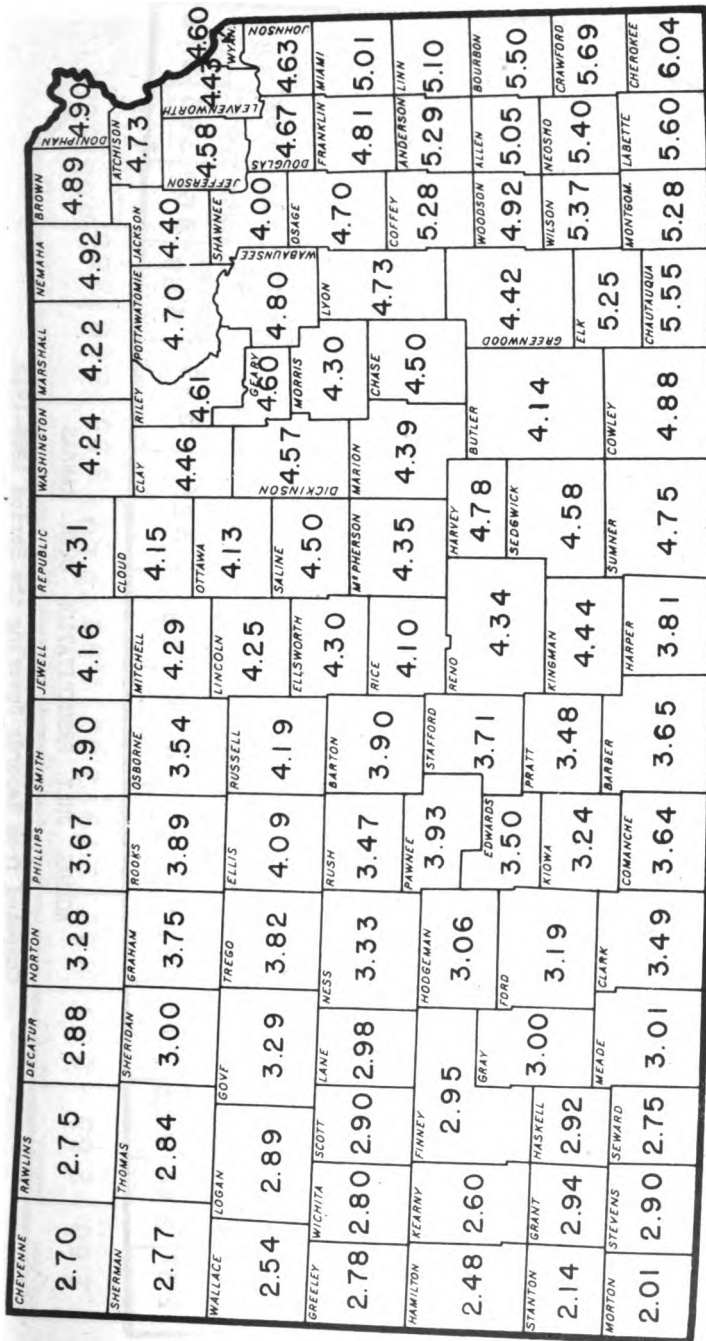
NORMAL JANUARY PRECIPITATION OVER KANSAS
 Computed from Records Covering the Period 1898-1942.



NORMAL FEBRUARY PRECIPITATION OVER KANSAS
 Computed from Records Covering the Period 1898-1942.



NORMAL MAY PRECIPITATION OVER KANSAS
 Computed from Records Covering the Period 1898-1942.

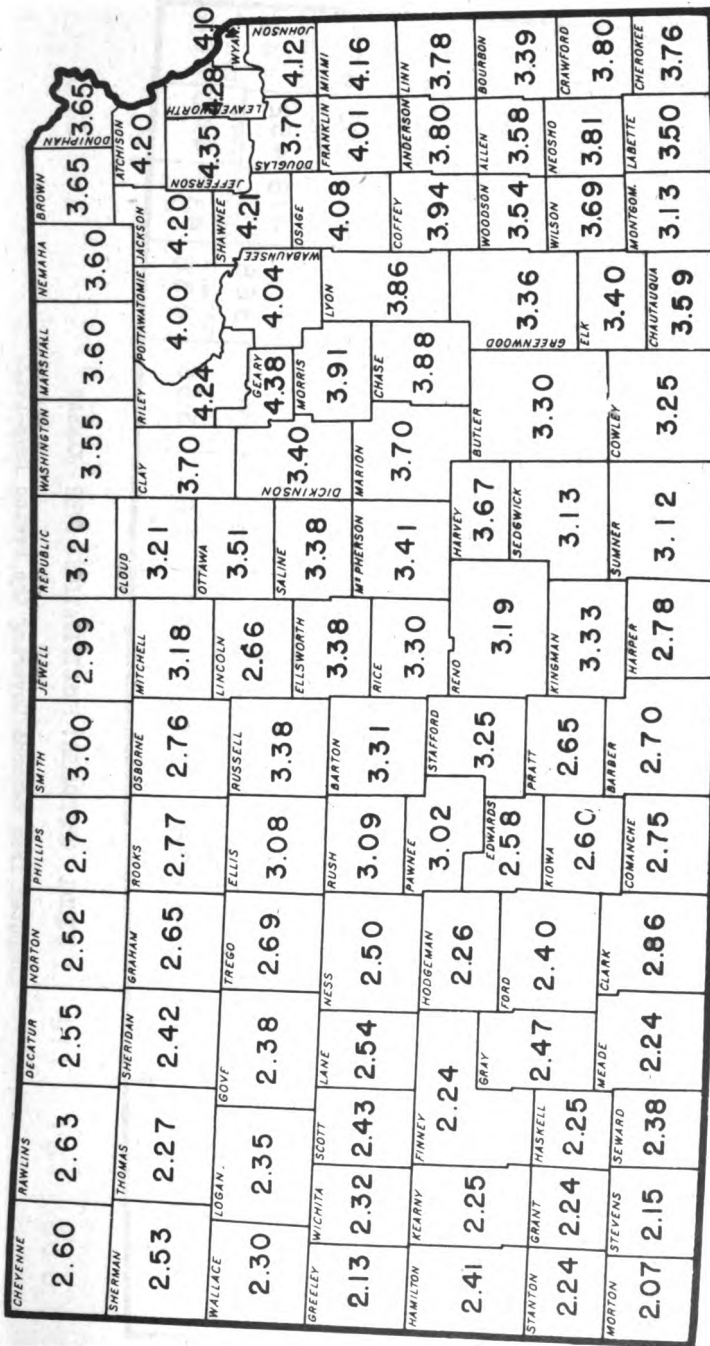


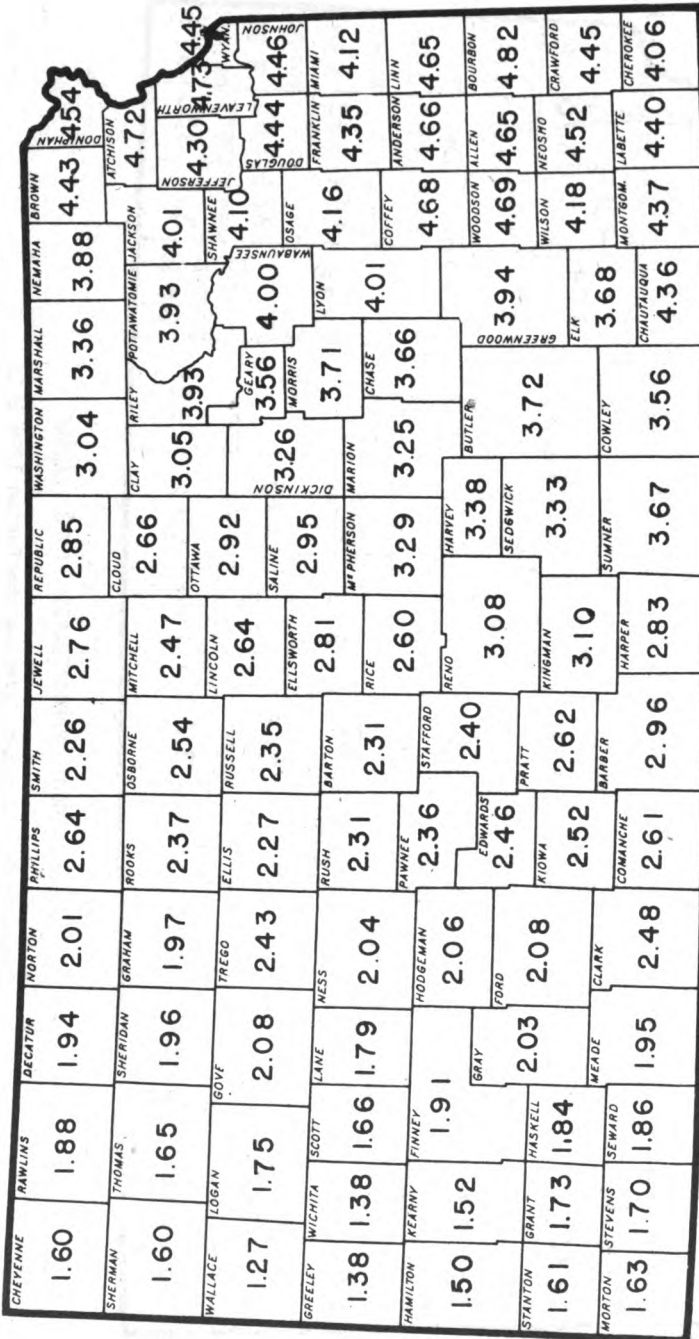
NORMAL JUNE PRECIPITATION OVER KANSAS

Computed from Records Covering the Period 1898-1942.

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|------|---------|------|----------|------|--------|------|----------|------|----------|------|-----------|------|-----------|------|------------|------|-------------|------|--------------|------|----------|------|
| CHEYENNE | 2.65 | RAWLINS | 2.75 | DECATUR | 2.85 | NORTON | 3.04 | PHILLIPS | 2.84 | SMITH | 2.84 | JEWELL | 2.84 | REPUBLIC | 3.26 | WASHINGTON | 3.20 | MARSHALL | 3.00 | NEOHA | 3.43 | BROWN | 3.06 |
| SHERMAN | 2.67 | THOMAS | 2.62 | SHERIDAN | 2.54 | GRAHAM | 2.60 | ROOKS | 2.70 | OSBORNE | 2.65 | MITCHELL | 2.84 | CLOUD | 3.10 | CLAY | 2.98 | RILEY | 3.73 | POTTAWATOMIE | 3.50 | JACKSON | 3.18 |
| WALLACE | 2.64 | LOGAN | 2.77 | GOVE | 2.80 | TREGO | 2.92 | ELLIS | 2.87 | RUSSELL | 2.89 | LINCOLN | 2.60 | OTTAWA | 2.74 | CLAY | 3.20 | GARY | 3.20 | MORRIS | 3.20 | SHAWNEE | 3.41 |
| GREELEY | 2.39 | WICHITA | 2.42 | SCOTT | 2.46 | LAWE | 2.39 | RUSH | 2.62 | BARTON | 2.90 | ELLSWORTH | 2.64 | SALINE | 2.70 | DICKINSON | 2.70 | MARION | 3.29 | LYON | 3.50 | OSAGE | 3.75 |
| HAMILTON | 2.52 | KEARNY | 2.25 | FINNEY | 2.54 | MESS | 2.57 | PAWNEE | 2.94 | STAFFORD | 2.94 | RICE | 2.75 | EMPHENSON | 2.76 | CHASE | 3.19 | SCOTTS | 3.48 | COFFEY | 3.39 | ANDERSON | 3.60 |
| STANTON | 2.19 | GRANT | 2.34 | MASKELL | 2.16 | GRAY | 2.65 | EDWARDS | 2.60 | PRATT | 2.77 | RENO | 2.95 | HARVEY | 3.26 | BUTLER | 3.00 | WOODSON | 3.53 | ALLEN | 3.60 | BOURBON | 3.76 |
| MORTON | 2.37 | STEVENS | 2.44 | SEWARD | 2.65 | CLARK | 2.65 | IOWA | 2.50 | BARBER | 2.72 | KINGMAN | 2.67 | SEDEWICK | 2.89 | WAGONER | 3.00 | WILSON | 3.33 | MEGSDO | 3.62 | CRAWFORD | 3.80 |
| | | | | WEAVER | 2.65 | CLARK | 2.81 | COMANCHE | 2.51 | 2.72 | 2.83 | HARPER | 3.21 | SUMNER | 3.48 | CHILFORD | 3.69 | MONTEGOMERY | 3.67 | TABER | 3.65 | CHEROKEE | 3.72 |

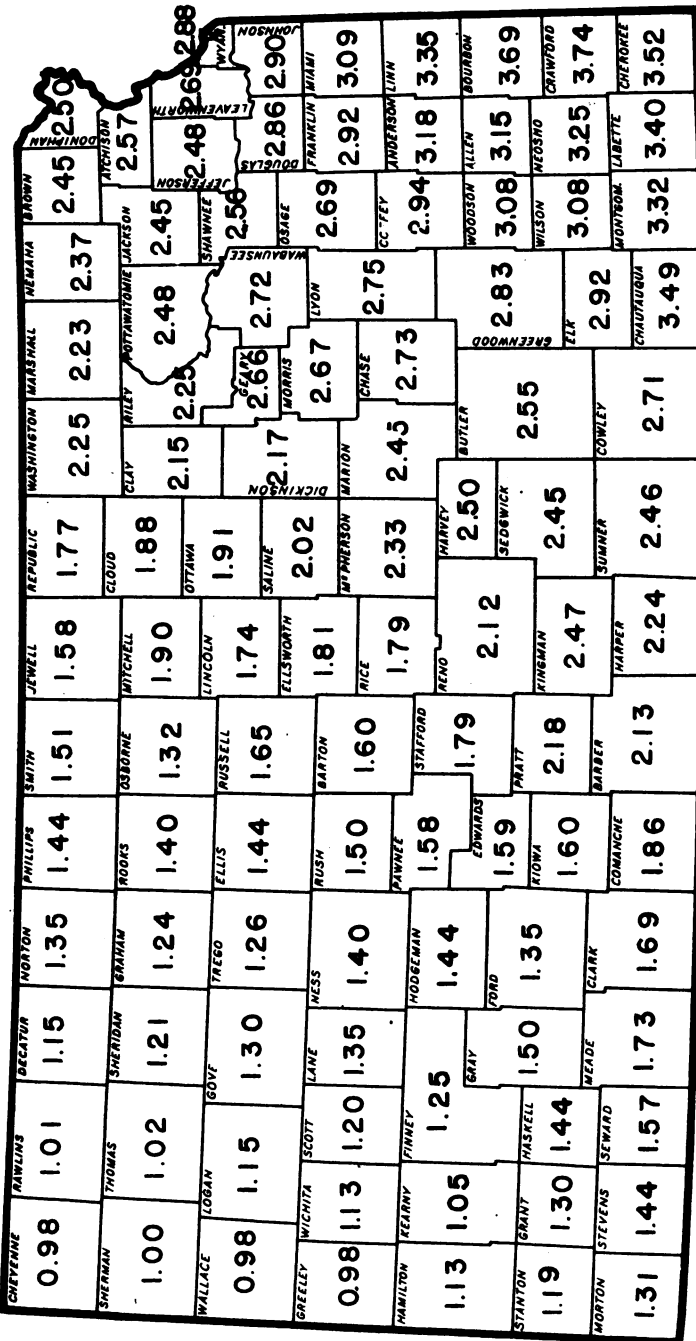
NORMAL JULY PRECIPITATION OVER KANSAS
 Computed from Records Covering the Period 1898-1942.

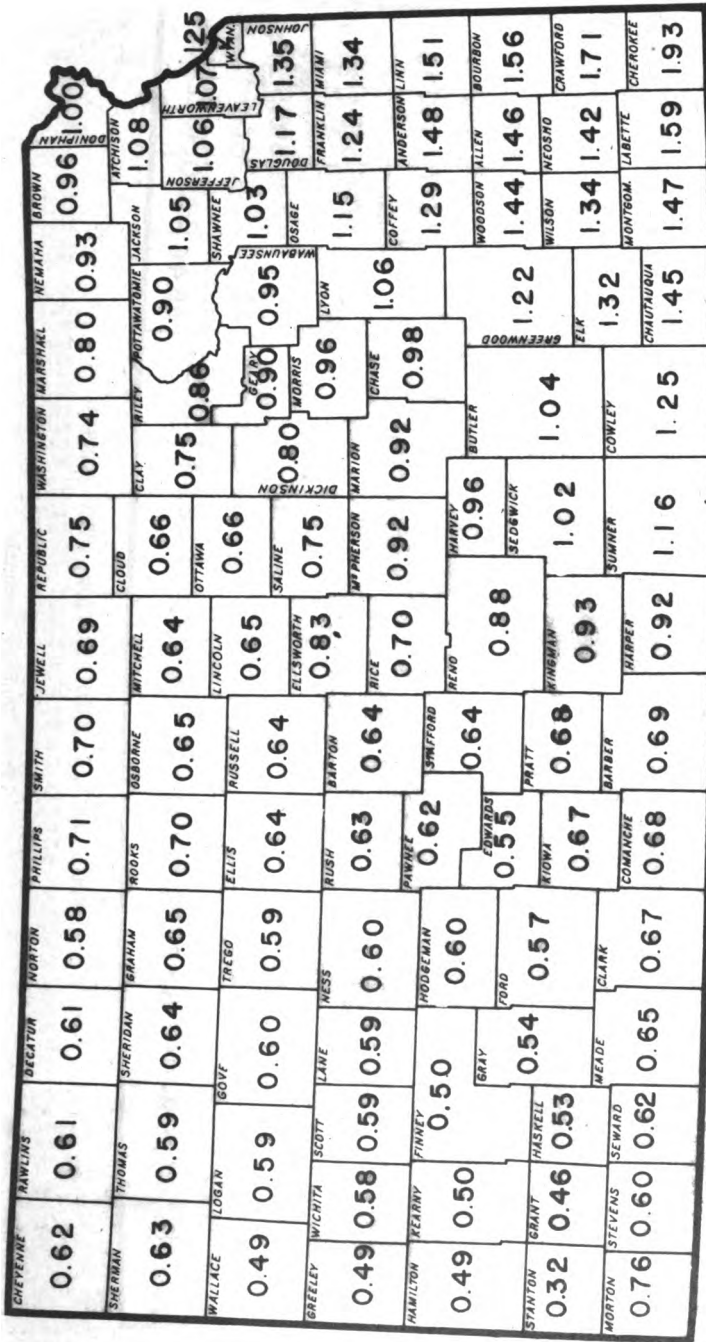




NORMAL SEPTEMBER PRECIPITATION OVER KANSAS

Computed from Records Covering the Period 1898-1942.





NORMAL DECEMBER PRECIPITATION OVER KANSAS
 Computed from Records Covering the Period 1896-1942.

| | | | | | | | | | | | | | |
|----------|---------|----------|----------|----------|----------|-----------|----------|------------|-----------|--------------|---------|-----------|-------|
| CHEYENNE | RAWLINS | DECATUR | MORTON | PHILLIPS | SMITH | JEWELL | REPUBLIC | WASHINGTON | MARSHALL | NEMAH | BROWN | 32.44 | 33.14 |
| 17.86 | 18.53 | 19.49 | 20.82 | 22.41 | 22.68 | 24.56 | 26.52 | 27.61 | 28.27 | 30.33 | 34.98 | 36.04 | |
| SHERMAN | THOMAS | SHERIDAN | GRAHAM | ROOKS | OSBORNE | MITCHELL | CLOUD | CLAY | RILEY | POTTAWATOMIE | JACKSON | JEFFERSON | 33.01 |
| 17.98 | 18.02 | 19.35 | 20.55 | 22.44 | 21.63 | 24.17 | 25.24 | 27.92 | 32.03 | 32.10 | 32.01 | 33.01 | 35.10 |
| WALLACE | LOGAN | GOVE | TREGO | ELLIS | RUSSELL | LINCOLN | OTTAWA | DICKINSON | GEARY | MORRIS | SHAWNEE | DOUGLASS | 36.04 |
| 16.32 | 18.97 | 19.76 | 21.54 | 23.05 | 24.53 | 24.24 | 25.76 | 27.92 | 31.55 | 33.31 | 32.58 | 35.40 | 36.04 |
| GREELEY | WICHITA | SCOTT | LANE | RUSH | BARTON | ELLSWORTH | SALINE | MCPHERSON | MARION | CHASE | LYON | FRANKLIN | MIAMI |
| 16.42 | 17.31 | 18.61 | 18.77 | 21.95 | 24.00 | 26.33 | 27.00 | 31.36 | 34.10 | 34.76 | 35.85 | 37.27 | |
| HAMILTON | KEARNEY | FINNEY | HODGEMAN | PAWNEE | STAFFORD | RICE | MARVEY | CHASE | COFFEY | ANDERSON | LINN | ANDERSON | LINN |
| 16.97 | 16.85 | 19.01 | 20.14 | 23.48 | 24.58 | 25.99 | 31.25 | 30.13 | 31.87 | 37.27 | 38.40 | 39.13 | |
| STANTON | GRANT | HASSELL | FORD | EDWARDS | PRATT | RENO | SEDGWICK | BUTLER | GREENWOOD | WOODSON | ALLEN | BOURBON | |
| 15.85 | 17.24 | 18.02 | 20.13 | 22.44 | 24.23 | 28.53 | 30.37 | 31.03 | 33.71 | 37.56 | 37.57 | 39.99 | |
| MORTON | STEVENS | SEWARD | CLARK | KIOWA | BARBER | KINGMAN | SUMNER | COWLEY | ELK | WILSON | NEOSHO | CRAWFORD | |
| 16.88 | 17.87 | 18.94 | 23.37 | 22.15 | 25.47 | 29.28 | 32.04 | 35.09 | 35.09 | 36.96 | 39.45 | 41.45 | |
| | | | | COMANCHE | HARPER | WARREN | 32.04 | 32.90 | 38.46 | MONTGOM. | LABETTE | CHESTER | |
| | | | | 23.31 | 27.41 | 27.41 | 32.04 | 32.90 | 38.46 | 37.70 | 40.22 | 41.86 | |

NORMAL ANNUAL PRECIPITATION OVER KANSAS

Computed from Records Covering the Period 1898-1942.
(From Monthly Amounts)

PRECIPITATION, BY MONTHS AND YEARS, FOR EASTERN DIVISION

KANSAS

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------|------|------|------|------|-------|-------|------|------|-------|-------|------|------|--------|
| 1887 | 0.39 | 1.28 | 1.19 | 2.53 | 2.81 | 4.69 | 1.79 | 4.29 | 3.89 | 2.88 | 0.83 | 1.42 | 27.99 |
| 1888 | 0.76 | 1.33 | 2.71 | 3.13 | 3.50 | 5.44 | 2.53 | 5.69 | 1.14 | 2.47 | 1.73 | 1.21 | 31.64 |
| 1889 | 1.29 | 1.34 | 2.20 | 3.25 | 7.35 | 4.69 | 6.20 | 3.41 | 3.70 | 1.84 | 2.05 | 0.17 | 37.49 |
| 1890 | 2.37 | 0.57 | 0.64 | 2.65 | 3.63 | 2.69 | 1.97 | 6.19 | 3.53 | 3.54 | 2.50 | 0.89 | 31.17 |
| 1891 | 1.74 | 1.71 | 2.66 | 3.75 | 4.97 | 8.67 | 3.64 | 1.56 | 0.99 | 1.28 | 0.83 | 1.95 | 33.75 |
| 1892 | 1.38 | 4.25 | 4.78 | 3.11 | 8.72 | 2.18 | 4.09 | 3.73 | 1.50 | 3.19 | 0.83 | 2.29 | 40.05 |
| 1893 | 0.18 | 0.96 | 2.21 | 3.89 | 5.22 | 5.48 | 3.98 | 2.59 | 3.51 | 0.43 | 1.28 | 0.50 | 30.23 |
| 1894 | 1.64 | 1.54 | 1.87 | 3.01 | 2.72 | 5.85 | 1.83 | 0.80 | 5.44 | 2.07 | 0.85 | 1.14 | 28.76 |
| 1895 | 0.72 | 0.74 | 1.51 | 1.27 | 3.35 | 5.06 | 6.45 | 8.24 | 3.85 | 0.30 | 2.26 | 4.24 | 37.99 |
| 1896 | 0.53 | 0.56 | 1.04 | 3.78 | 7.53 | 3.44 | 5.75 | 3.62 | 3.91 | 3.51 | 1.50 | 0.60 | 35.77 |
| 1897 | 1.89 | 1.50 | 3.08 | 3.49 | 2.26 | 5.45 | 3.36 | 2.73 | 1.25 | 1.41 | 0.50 | 0.64 | 27.56 |
| 1898 | 3.09 | 1.80 | 3.41 | 3.93 | 7.28 | 5.09 | 3.31 | 2.94 | 5.09 | 2.84 | 1.41 | 2.02 | 42.21 |
| 1899 | 0.43 | 1.12 | 2.97 | 2.51 | 4.25 | 5.15 | 6.86 | 2.64 | 1.75 | 1.66 | 1.24 | 1.58 | 32.16 |
| 1900 | 0.29 | 2.59 | 1.03 | 4.17 | 4.31 | 4.85 | 4.69 | 2.78 | 8.08 | 3.47 | 1.00 | 0.37 | 37.63 |
| 1901 | 0.60 | 1.54 | 2.44 | 3.65 | 1.73 | 2.40 | 2.49 | 2.72 | 3.54 | 1.94 | 1.11 | 1.15 | 25.31 |
| 1902 | 0.95 | 1.17 | 2.61 | 1.79 | 7.73 | 7.37 | 5.33 | 9.13 | 4.64 | 2.32 | 2.68 | 1.67 | 46.29 |
| 1903 | 0.49 | 2.05 | 2.41 | 3.00 | 10.23 | 2.65 | 3.90 | 6.82 | 3.61 | 4.74 | 1.18 | 0.80 | 41.88 |
| 1904 | 1.03 | 0.27 | 2.34 | 5.33 | 7.21 | 8.80 | 7.92 | 3.94 | 2.95 | 0.99 | 0.32 | 0.72 | 41.72 |
| 1905 | 0.98 | 1.43 | 3.60 | 1.85 | 5.68 | 3.55 | 5.99 | 3.03 | 7.92 | 3.10 | 2.37 | 0.35 | 39.85 |
| 1906 | 1.16 | 1.24 | 1.90 | 2.65 | 3.23 | 5.56 | 4.97 | 4.87 | 3.75 | 0.79 | 2.92 | 0.96 | 34.00 |
| 1907 | 4.24 | 1.13 | 1.94 | 2.24 | 3.44 | 6.43 | 3.41 | 3.68 | 2.05 | 4.19 | 1.46 | 1.46 | 35.67 |
| 1908 | 0.45 | 2.91 | 1.68 | 3.29 | 7.75 | 10.01 | 3.26 | 4.63 | 1.74 | 6.31 | 3.48 | 0.31 | 45.82 |
| 1909 | 0.76 | 1.34 | 2.51 | 2.57 | 5.06 | 5.41 | 8.20 | 1.23 | 4.09 | 1.83 | 5.36 | 2.00 | 40.36 |
| 1910 | 1.48 | 0.84 | 0.17 | 1.51 | 7.69 | 2.77 | 2.27 | 5.22 | 5.24 | 0.99 | 0.11 | 0.99 | 29.28 |
| 1911 | 0.43 | 5.20 | 0.77 | 2.81 | 2.41 | 0.69 | 4.58 | 4.02 | 5.20 | 1.82 | 1.31 | 2.65 | 31.89 |
| 1912 | 0.23 | 1.96 | 4.34 | 3.82 | 4.45 | 4.43 | 2.64 | 3.20 | 3.19 | 3.75 | 0.65 | 0.60 | 33.16 |
| 1913 | 0.72 | 2.63 | 1.79 | 1.97 | 4.75 | 2.10 | 1.77 | 0.55 | 3.70 | 3.97 | 1.94 | 3.81 | 29.70 |
| 1914 | 0.28 | 2.25 | 2.30 | 1.94 | 3.08 | 4.99 | 3.14 | 3.78 | 5.55 | 3.23 | 0.32 | 1.07 | 31.93 |
| 1915 | 1.77 | 3.66 | 2.05 | 4.06 | 8.59 | 8.03 | 7.41 | 4.50 | 7.41 | 1.37 | 0.74 | 1.11 | 50.70 |
| 1916 | 4.08 | 0.47 | 2.37 | 3.07 | 5.14 | 7.72 | 0.81 | 2.09 | 3.52 | 2.48 | 2.86 | 0.83 | 35.44 |
| 1917 | 0.45 | 0.04 | 1.75 | 3.88 | 4.76 | 2.99 | 1.42 | 5.54 | 3.01 | 0.80 | 0.18 | 0.34 | 25.16 |
| 1918 | 0.88 | 0.87 | 1.33 | 3.74 | 4.82 | 1.59 | 2.09 | 2.48 | 3.44 | 4.91 | 3.28 | 2.71 | 32.14 |
| 1919 | 0.11 | 1.63 | 2.40 | 4.34 | 3.83 | 5.29 | 1.75 | 3.01 | 1.98 | 3.36 | 2.49 | 0.24 | 30.43 |
| 1920 | 0.46 | 0.26 | 3.19 | 3.34 | 3.20 | 3.75 | 4.06 | 5.31 | 4.43 | 2.89 | 1.78 | 1.20 | 33.97 |
| 1921 | 1.53 | 0.25 | 2.50 | 3.44 | 4.21 | 6.30 | 3.39 | 5.21 | 5.09 | 1.07 | 0.16 | 0.47 | 33.62 |
| 1922 | 0.65 | 1.36 | 5.64 | 6.74 | 4.34 | 2.69 | 6.78 | 1.25 | 3.60 | 1.90 | 4.04 | 0.18 | 39.17 |
| 1923 | 0.36 | 0.34 | 2.68 | 2.79 | 4.41 | 6.39 | 3.88 | 2.40 | 4.96 | 4.83 | 1.42 | 0.96 | 35.42 |
| 1924 | 0.68 | 1.23 | 2.17 | 2.19 | 3.05 | 4.21 | 4.74 | 6.27 | 4.52 | 1.46 | 1.49 | 1.98 | 33.99 |
| 1925 | 0.60 | 0.62 | 1.29 | 5.00 | 2.57 | 6.25 | 3.52 | 2.12 | 5.90 | 2.46 | 1.83 | 0.46 | 32.62 |
| 1926 | 1.34 | 1.09 | 2.00 | 1.96 | 2.80 | 3.26 | 2.33 | 4.15 | 8.31 | 5.34 | 1.37 | 1.30 | 35.25 |
| 1927 | 0.88 | 0.79 | 4.41 | 7.40 | 3.34 | 6.91 | 4.71 | 7.41 | 3.90 | 3.81 | 1.00 | 1.20 | 45.76 |
| 1928 | 0.15 | 2.19 | 1.27 | 3.19 | 2.48 | 8.72 | 4.13 | 4.01 | 2.35 | 2.75 | 7.29 | 1.80 | 40.33 |
| 1929 | 2.08 | 1.12 | 1.86 | 5.33 | 6.54 | 5.44 | 3.34 | 2.28 | 1.48 | 5.46 | 1.05 | 0.35 | 36.33 |
| 1930 | 1.82 | 0.45 | 0.47 | 3.94 | 4.54 | 5.55 | 1.37 | 2.70 | 4.10 | 2.81 | 3.20 | 0.61 | 31.56 |
| 1931 | 0.59 | 1.37 | 2.19 | 2.93 | 4.03 | 2.46 | 3.27 | 3.99 | 4.52 | 2.36 | 8.08 | 1.09 | 36.88 |
| 1932 | 1.43 | 0.88 | 1.07 | 2.73 | 2.90 | 5.98 | 4.37 | 3.51 | 2.79 | 1.37 | 0.58 | 2.31 | 30.02 |
| 1933 | 0.50 | 0.44 | 2.56 | 3.10 | 5.21 | 0.98 | 3.73 | 5.26 | 3.52 | 1.57 | 0.59 | 1.58 | 29.24 |
| 1934 | 0.58 | 0.93 | 0.81 | 2.17 | 4.21 | 2.54 | 1.74 | 1.31 | 6.97 | 1.91 | 4.84 | 0.68 | 28.69 |
| 1935 | 1.15 | 1.24 | 1.10 | 2.13 | 10.22 | 7.30 | 0.47 | 4.55 | 4.18 | 4.96 | 3.86 | 0.43 | 41.59 |
| 1936 | 1.13 | 0.45 | 0.24 | 1.69 | 4.90 | 1.30 | 0.83 | 0.42 | 7.38 | 2.44 | 0.47 | 1.86 | 23.63 |
| 1937 | 2.33 | 0.95 | 2.59 | 2.04 | 4.06 | 3.59 | 3.97 | 2.93 | 2.38 | 1.49 | 1.26 | 0.96 | 28.01 |
| 1938 | 1.17 | 1.48 | 3.19 | 2.32 | 9.75 | 5.43 | 3.58 | 3.34 | 2.24 | 0.47 | 2.45 | 0.31 | 35.75 |
| 1939 | 0.99 | 1.38 | 1.99 | 3.17 | 3.45 | 5.64 | 1.31 | 4.59 | 0.50 | 1.95 | 1.68 | 0.79 | 26.54 |
| 1940 | 1.09 | 1.21 | 1.77 | 4.52 | 3.83 | 3.99 | 1.39 | 6.34 | 2.64 | 1.61 | 3.44 | 1.39 | 33.22 |
| 1941 | 3.55 | 0.54 | 0.93 | 4.36 | 3.17 | 6.46 | 2.65 | 6.05 | 6.51 | 10.29 | 1.29 | 1.48 | 47.28 |
| 1942 | 0.57 | 1.78 | 1.51 | 4.05 | 4.22 | 7.58 | 2.66 | 5.80 | 6.87 | 2.61 | 1.58 | 2.76 | 41.99 |
| 1943 | 0.23 | 0.82 | 1.38 | 1.71 | 5.23 | 9.18 | 2.79 | 2.32 | 4.19 | 2.45 | 0.30 | 2.11 | 35.71 |
| 1944 | 0.67 | 1.59 | 4.19 | 8.89 | 3.68 | 4.56 | 3.72 | 8.30 | 2.95 | 2.29 | 2.71 | 3.58 | 47.13 |
| 1945 | 0.62 | 1.25 | 4.23 | 7.68 | 5.39 | 6.80 | 4.26 | 2.55 | 7.84 | 0.97 | 0.33 | 1.11 | 43.03 |
| Average | 1.10 | 1.35 | 2.19 | 3.40 | 4.88 | 5.00 | 3.61 | 3.88 | 4.04 | 2.65 | 1.89 | 1.28 | 35.27 |

PRECIPITATION, BY MONTHS AND YEARS, FOR MIDDLE DIVISION

KANSAS

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1887 | 0.21 | 0.61 | 0.05 | 2.50 | 1.85 | 3.59 | 1.78 | 5.95 | 3.42 | 1.14 | 0.21 | 0.75 | 22.06 |
| 1888 | 0.41 | 0.53 | 1.64 | 1.17 | 3.20 | 3.04 | 2.25 | 3.96 | 0.72 | 0.68 | 0.18 | 0.18 | 17.96 |
| 1889 | 1.16 | 0.45 | 1.56 | 3.85 | 5.99 | 3.90 | 4.97 | 2.50 | 1.46 | 2.88 | 1.62 | 0.01 | 30.35 |
| 1890 | 1.58 | 0.36 | 0.11 | 2.26 | 1.83 | 3.66 | 0.47 | 4.41 | 1.55 | 1.09 | 1.19 | 0.61 | 19.12 |
| 1891 | 1.65 | 0.94 | 3.65 | 1.78 | 5.39 | 4.92 | 5.81 | 1.17 | 2.71 | 3.79 | 0.31 | 1.20 | 33.32 |
| 1892 | 0.33 | 2.94 | 3.55 | 1.31 | 6.60 | 1.86 | 3.29 | 3.27 | 1.19 | 2.05 | 0.39 | 1.56 | 28.34 |
| 1893 | 0.08 | 0.51 | 0.57 | 0.46 | 2.44 | 4.26 | 3.31 | 3.19 | 2.30 | 0.21 | 0.85 | 0.40 | 18.58 |
| 1894 | 0.40 | 0.92 | 0.51 | 2.94 | 2.17 | 6.31 | 1.43 | 0.49 | 3.80 | 1.32 | 0.11 | 0.85 | 21.25 |
| 1895 | 0.55 | 1.75 | 0.80 | 1.21 | 1.46 | 5.10 | 4.10 | 5.45 | 0.72 | 1.09 | 0.28 | 1.37 | 24.88 |
| 1896 | 0.72 | 0.21 | 0.90 | 3.76 | 4.14 | 5.71 | 5.33 | 2.15 | 3.40 | 3.13 | 1.02 | 0.35 | 30.82 |
| 1897 | 0.98 | 1.13 | 1.72 | 3.78 | 2.35 | 2.90 | 2.63 | 2.72 | 1.33 | 2.68 | 0.10 | 0.39 | 22.91 |
| 1898 | 1.47 | 1.24 | 0.86 | 3.94 | 5.86 | 4.46 | 2.72 | 2.87 | 2.94 | 1.47 | 1.01 | 1.72 | 30.56 |
| 1899 | 0.28 | 0.37 | 1.73 | 1.20 | 4.22 | 7.21 | 3.74 | 2.07 | 2.55 | 2.51 | 1.13 | 1.33 | 28.34 |
| 1900 | 0.22 | 1.46 | 0.69 | 3.68 | 3.81 | 2.78 | 2.98 | 2.12 | 5.91 | 2.98 | 0.34 | 0.42 | 27.39 |
| 1901 | 0.34 | 1.33 | 1.21 | 4.19 | 1.75 | 2.83 | 1.49 | 2.02 | 2.75 | 2.60 | 0.55 | 0.27 | 21.33 |
| 1902 | 1.01 | 0.57 | 1.50 | 0.84 | 6.92 | 6.52 | 3.95 | 5.45 | 3.43 | 2.26 | 1.30 | 0.84 | 34.59 |
| 1903 | 0.25 | 1.79 | 1.01 | 2.81 | 9.71 | 2.07 | 2.85 | 4.78 | 1.86 | 4.16 | 0.95 | 1.17 | 32.41 |
| 1904 | 0.22 | 0.03 | 1.13 | 2.74 | 5.74 | 6.75 | 6.38 | 2.98 | 2.38 | 1.13 | 0.12 | 0.51 | 30.11 |
| 1905 | 0.86 | 0.76 | 1.73 | 2.28 | 4.01 | 5.13 | 5.59 | 1.22 | 3.94 | 1.27 | 2.66 | 0.08 | 29.53 |
| 1906 | 0.49 | 0.46 | 1.53 | 3.09 | 2.56 | 2.64 | 4.41 | 4.11 | 4.71 | 2.51 | 1.51 | 0.63 | 28.65 |
| 1907 | 1.54 | 0.87 | 0.73 | 0.97 | 2.02 | 4.52 | 4.21 | 3.12 | 2.49 | 3.28 | 0.51 | 1.62 | 25.88 |
| 1908 | 0.09 | 1.36 | 0.39 | 1.62 | 5.42 | 8.73 | 3.82 | 4.32 | 2.19 | 1.92 | 1.97 | 0.05 | 31.88 |
| 1909 | 0.42 | 0.53 | 1.45 | 0.78 | 3.78 | 5.38 | 4.94 | 1.36 | 2.97 | 2.20 | 5.92 | 1.26 | 30.99 |
| 1910 | 0.87 | 0.32 | 0.02 | 1.03 | 4.51 | 1.59 | 1.98 | 4.55 | 2.18 | 0.41 | 0.06 | 0.39 | 17.91 |
| 1911 | 0.16 | 4.23 | 0.27 | 1.55 | 3.19 | 0.50 | 4.06 | 3.92 | 2.94 | 1.16 | 0.67 | 2.24 | 24.89 |
| 1912 | 0.09 | 2.38 | 2.14 | 2.18 | 2.95 | 3.46 | 3.26 | 4.89 | 2.49 | 2.20 | 0.34 | 0.29 | 25.57 |
| 1913 | 0.36 | 1.51 | 0.57 | 1.78 | 2.58 | 2.50 | 0.98 | 0.33 | 4.38 | 1.63 | 1.76 | 3.61 | 21.99 |
| 1914 | 0.09 | 0.81 | 0.84 | 1.46 | 3.33 | 3.80 | 2.23 | 3.04 | 1.73 | 1.83 | 0.02 | 0.65 | 19.83 |
| 1915 | 1.27 | 2.64 | 1.89 | 3.44 | 6.69 | 6.85 | 5.59 | 4.58 | 4.06 | 1.89 | 0.60 | 0.30 | 39.80 |
| 1916 | 1.29 | 0.20 | 0.64 | 2.49 | 3.81 | 6.90 | 0.66 | 1.63 | 2.39 | 1.49 | 1.08 | 0.66 | 23.24 |
| 1917 | 0.28 | 0.01 | 0.60 | 2.98 | 3.60 | 2.07 | 1.28 | 5.22 | 1.86 | 0.37 | 0.54 | 0.18 | 18.99 |
| 1918 | 0.67 | 0.70 | 2.17 | 3.89 | 4.43 | 1.36 | 2.49 | 2.50 | 2.56 | 4.29 | 1.44 | 2.50 | 29.00 |
| 1919 | 0.07 | 2.32 | 2.01 | 4.32 | 3.23 | 5.13 | 1.09 | 1.47 | 2.64 | 1.62 | 2.12 | 1.27 | 26.19 |
| 1920 | 0.24 | 0.59 | 0.98 | 2.74 | 3.28 | 2.34 | 3.07 | 4.70 | 2.38 | 2.78 | 1.72 | 1.08 | 25.90 |
| 1921 | 0.89 | 0.11 | 0.90 | 3.47 | 1.92 | 4.99 | 2.55 | 2.97 | 2.82 | 0.43 | 0.01 | 0.42 | 21.48 |
| 1922 | 0.35 | 1.29 | 3.94 | 4.60 | 4.74 | 2.21 | 5.19 | 1.36 | 1.81 | 1.80 | 3.30 | 0.03 | 30.62 |
| 1923 | 0.01 | 0.13 | 1.35 | 2.80 | 6.13 | 7.21 | 2.11 | 1.96 | 4.59 | 3.92 | 0.86 | 0.48 | 31.35 |
| 1924 | 0.35 | 0.47 | 2.79 | 3.23 | 2.12 | 1.36 | 3.81 | 3.49 | 1.67 | 1.18 | 0.52 | 1.37 | 22.36 |
| 1925 | 0.47 | 0.19 | 0.89 | 3.61 | 1.90 | 4.18 | 3.19 | 3.63 | 3.60 | 1.41 | 1.53 | 0.19 | 24.79 |
| 1926 | 0.87 | 0.88 | 1.68 | 1.21 | 1.91 | 2.75 | 2.74 | 2.38 | 4.58 | 2.99 | 2.09 | 0.83 | 24.91 |
| 1927 | 0.25 | 0.87 | 2.98 | 4.53 | 1.70 | 6.41 | 3.04 | 8.24 | 2.79 | 1.23 | 0.19 | 0.35 | 32.18 |
| 1928 | 0.11 | 2.03 | 1.52 | 2.65 | 2.64 | 7.62 | 5.37 | 2.88 | 0.93 | 2.19 | 4.36 | 0.76 | 33.06 |
| 1929 | 1.10 | 0.83 | 0.52 | 3.07 | 4.68 | 4.22 | 4.37 | 2.22 | 1.81 | 3.57 | 2.15 | 0.12 | 28.66 |
| 1930 | 0.70 | 0.19 | 0.26 | 2.48 | 5.09 | 3.66 | 1.96 | 3.24 | 3.19 | 2.62 | 2.48 | 0.32 | 26.19 |
| 1931 | 0.18 | 0.57 | 2.79 | 2.69 | 2.95 | 2.54 | 1.71 | 3.19 | 2.34 | 1.49 | 4.11 | 0.98 | 25.14 |
| 1932 | 1.50 | 0.82 | 0.78 | 1.55 | 2.63 | 5.66 | 3.20 | 3.72 | 2.38 | 0.99 | 0.17 | 0.88 | 24.28 |
| 1933 | 0.12 | 0.17 | 1.28 | 2.00 | 2.71 | 0.74 | 2.82 | 5.45 | 1.90 | 0.52 | 0.50 | 1.18 | 19.39 |
| 1934 | 0.60 | 1.16 | 0.74 | 1.24 | 3.00 | 3.27 | 0.91 | 1.22 | 4.12 | 1.30 | 2.24 | 0.43 | 20.23 |
| 1935 | 0.38 | 0.89 | 0.76 | 1.02 | 8.46 | 5.05 | 0.76 | 2.79 | 3.04 | 2.22 | 2.07 | 0.23 | 27.67 |
| 1936 | 0.66 | 0.17 | 0.06 | 1.01 | 4.44 | 1.42 | 0.83 | 0.95 | 4.93 | 2.07 | 0.04 | 0.99 | 17.57 |
| 1937 | 1.47 | 0.71 | 1.50 | 0.57 | 3.76 | 3.18 | 3.76 | 2.17 | 2.05 | 1.59 | 0.60 | 0.38 | 21.94 |
| 1938 | 0.10 | 1.50 | 1.71 | 2.56 | 8.26 | 4.39 | 2.71 | 3.19 | 1.88 | 0.15 | 1.57 | 0.11 | 28.13 |
| 1939 | 0.73 | 1.25 | 1.53 | 1.59 | 1.95 | 5.52 | 1.49 | 4.57 | 0.27 | 0.64 | 0.66 | 0.71 | 20.91 |
| 1940 | 0.75 | 1.15 | 0.87 | 3.16 | 3.66 | 2.25 | 1.89 | 3.44 | 3.06 | 1.07 | 2.96 | 1.09 | 25.35 |
| 1941 | 1.40 | 0.98 | 0.99 | 2.49 | 3.35 | 6.78 | 2.25 | 3.19 | 4.72 | 6.57 | 0.88 | 1.08 | 34.68 |
| 1942 | 0.32 | 1.07 | 1.65 | 4.32 | 2.52 | 7.34 | 1.93 | 4.74 | 4.82 | 2.97 | 0.45 | 1.74 | 33.87 |
| 1943 | 0.17 | 0.70 | 0.75 | 2.11 | 3.84 | 4.46 | 3.62 | 1.83 | 2.42 | 1.96 | 0.20 | 1.59 | 23.65 |
| 1944 | 0.89 | 1.27 | 3.15 | 6.85 | 3.45 | 2.69 | 4.94 | 6.75 | 2.12 | 1.65 | 2.01 | 2.02 | 37.79 |
| 1945 | 0.93 | 1.06 | 1.43 | 6.03 | 3.38 | 4.22 | 4.25 | 1.90 | 5.04 | 0.87 | 0.06 | 0.88 | 30.05 |
| Average | 0.61 | 0.97 | 1.31 | 2.57 | 3.83 | 4.15 | 3.04 | 3.22 | 2.77 | 1.96 | 1.21 | 0.81 | 26.45 |

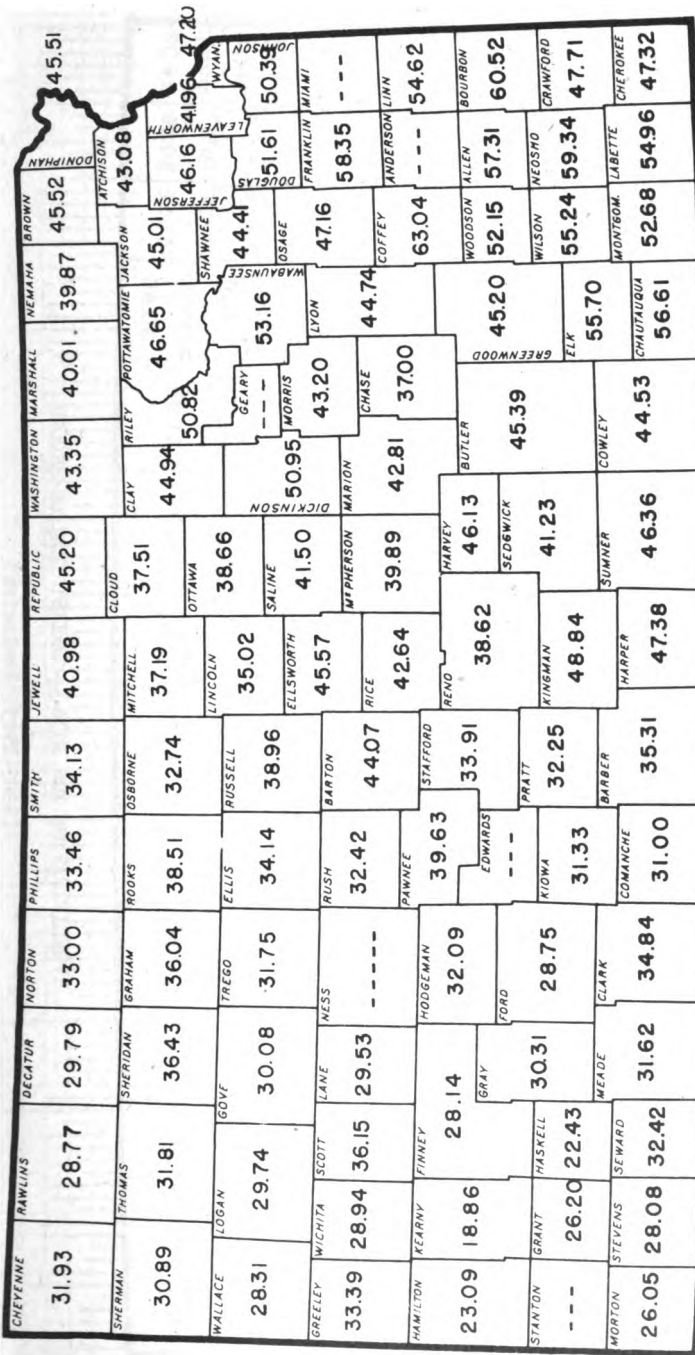
PRECIPITATION, BY MONTHS AND YEARS, FOR WESTERN DIVISION

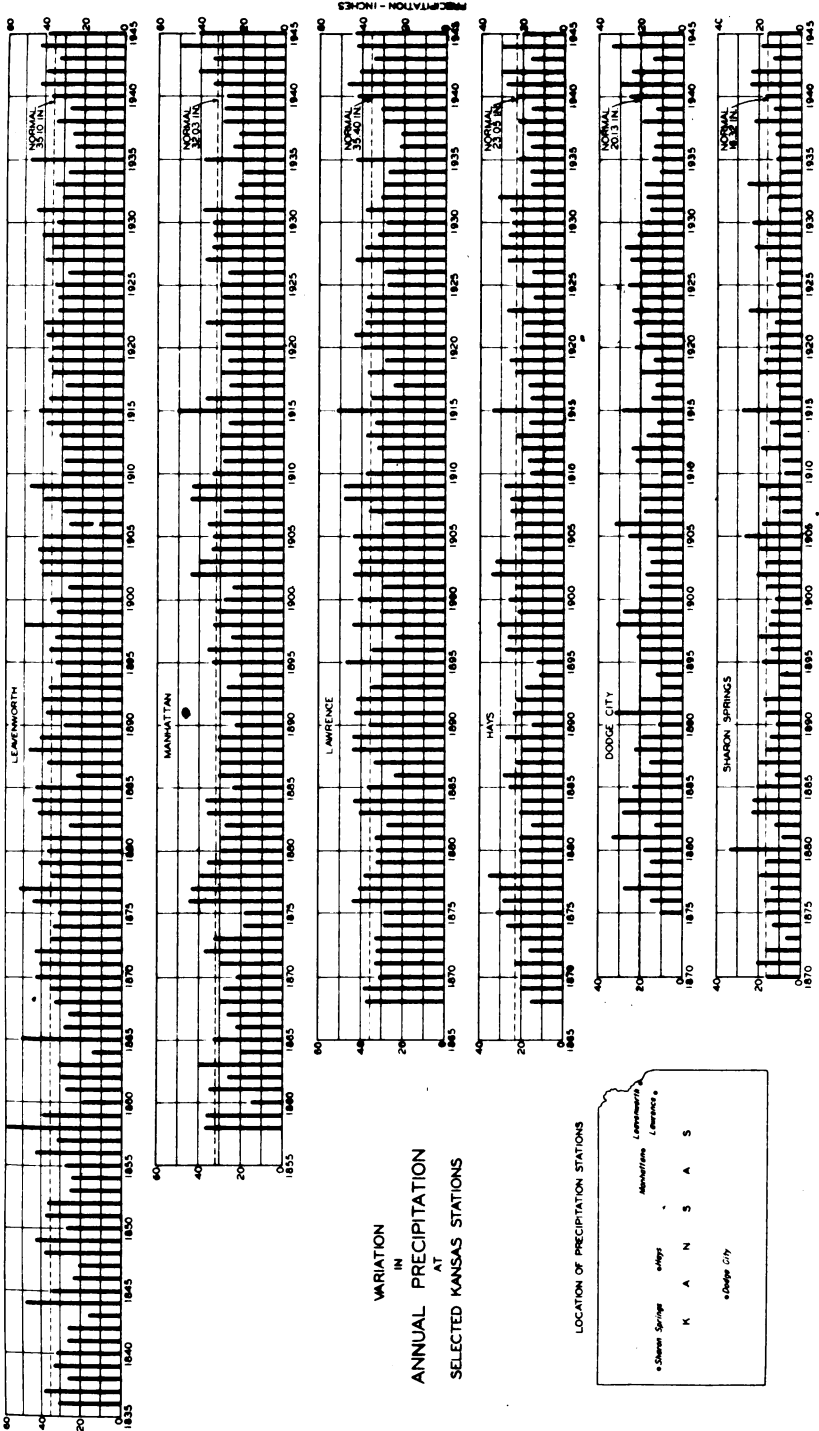
KANSAS

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1887 | 0.17 | 0.55 | 0.04 | 4.22 | 2.64 | 2.47 | 2.49 | 4.03 | 1.64 | 1.02 | 0.39 | 0.40 | 20.06 |
| 1888 | 0.16 | 1.09 | 1.17 | 4.37 | 3.03 | 2.04 | 3.14 | 3.51 | 0.36 | 1.47 | 0.20 | 0.16 | 20.70 |
| 1889 | 1.13 | 0.41 | 1.22 | 2.33 | 3.13 | 3.35 | 2.77 | 2.60 | 0.53 | 2.39 | 0.63 | T | 20.49 |
| 1890 | 0.51 | 0.36 | 0.04 | 3.96 | 0.99 | 1.76 | 1.45 | 1.87 | 0.90 | 0.68 | 0.61 | 0.06 | 13.19 |
| 1891 | 1.15 | 0.22 | 2.33 | 1.60 | 3.99 | 5.24 | 4.23 | 1.08 | 3.77 | 1.32 | 0.12 | 1.30 | 26.35 |
| 1892 | 0.24 | 1.11 | 1.88 | 0.74 | 5.27 | 1.58 | 2.63 | 3.30 | 0.41 | 0.61 | 0.31 | 0.62 | 18.70 |
| 1893 | 0.07 | 0.24 | 0.06 | 0.19 | 1.45 | 2.00 | 3.28 | 2.30 | 1.69 | 0.22 | 0.20 | 0.23 | 11.93 |
| 1894 | 0.21 | 1.14 | 0.34 | 1.16 | 1.72 | 2.67 | 1.61 | 0.71 | 1.62 | 0.25 | 0.04 | 0.72 | 12.19 |
| 1895 | 0.45 | 1.16 | 0.25 | 1.40 | 2.89 | 4.87 | 5.98 | 1.90 | 0.60 | 0.72 | 0.74 | 0.43 | 21.39 |
| 1896 | 0.87 | 0.03 | 0.42 | 3.99 | 1.81 | 3.51 | 2.74 | 2.29 | 1.67 | 1.74 | 0.25 | 0.26 | 19.58 |
| 1897 | 0.43 | 0.95 | 1.10 | 3.81 | 1.52 | 2.57 | 3.39 | 3.72 | 1.48 | 3.38 | 0.10 | 0.46 | 22.91 |
| 1898 | 0.61 | 0.14 | 0.29 | 1.44 | 5.70 | 3.64 | 2.98 | 1.58 | 3.51 | 0.92 | 0.67 | 1.16 | 22.64 |
| 1899 | 0.30 | 0.37 | 0.62 | 0.51 | 1.69 | 3.76 | 5.55 | 1.07 | 1.32 | 0.71 | 1.82 | 0.54 | 18.26 |
| 1900 | 0.08 | 0.93 | 0.64 | 4.66 | 1.41 | 3.14 | 2.25 | 1.36 | 3.23 | 0.53 | 0.09 | 0.19 | 18.51 |
| 1901 | 0.24 | 0.69 | 1.32 | 3.01 | 1.37 | 1.60 | 1.55 | 3.20 | 2.97 | 0.97 | 0.10 | 0.32 | 17.34 |
| 1902 | 0.47 | 0.43 | 1.35 | 0.75 | 4.60 | 3.51 | 3.32 | 2.87 | 2.26 | 2.13 | 0.18 | 0.53 | 22.40 |
| 1903 | 0.14 | 2.67 | 0.52 | 2.77 | 3.84 | 2.42 | 2.32 | 2.95 | 0.40 | 0.98 | 0.64 | 0.13 | 19.78 |
| 1904 | 0.05 | T | 0.38 | 1.93 | 3.35 | 4.17 | 3.60 | 2.96 | 2.37 | 1.59 | 0.07 | 0.75 | 21.22 |
| 1905 | 0.74 | 0.97 | 1.08 | 3.92 | 3.57 | 2.56 | 4.76 | 1.06 | 1.90 | 0.67 | 2.11 | T | 22.94 |
| 1906 | 0.34 | 0.42 | 1.22 | 3.34 | 1.69 | 2.81 | 4.46 | 2.49 | 2.55 | 2.68 | 0.80 | 0.36 | 23.16 |
| 1907 | 0.33 | 0.19 | 0.45 | 0.81 | 1.66 | 3.54 | 3.70 | 2.88 | 1.52 | 1.22 | 0.26 | 1.27 | 17.83 |
| 1908 | 0.05 | 1.01 | 0.07 | 0.68 | 2.03 | 4.94 | 3.22 | 2.60 | 0.79 | 1.62 | 2.10 | 0.06 | 19.22 |
| 1909 | 0.21 | 0.28 | 1.46 | 0.43 | 2.15 | 5.59 | 3.16 | 1.04 | 2.11 | 1.06 | 3.73 | 0.87 | 22.09 |
| 1910 | 0.39 | 0.22 | 0.01 | 0.92 | 2.29 | 1.28 | 1.77 | 3.34 | 1.16 | 0.24 | 0.06 | 0.13 | 11.81 |
| 1911 | 0.11 | 2.00 | 0.15 | 1.13 | 2.39 | 0.72 | 3.34 | 2.84 | 1.01 | 1.14 | 0.50 | 1.49 | 16.82 |
| 1912 | 0.11 | 1.95 | 1.66 | 1.73 | 1.20 | 4.17 | 2.78 | 4.77 | 1.76 | 0.54 | 0.60 | 0.06 | 21.33 |
| 1913 | 0.28 | 0.94 | 0.36 | 1.95 | 1.36 | 2.76 | 1.21 | 0.53 | 3.34 | 0.25 | 1.25 | 3.14 | 17.37 |
| 1914 | 0.09 | 0.35 | 0.14 | 1.87 | 3.77 | 3.08 | 2.62 | 2.99 | 0.69 | 1.40 | 0.01 | 0.46 | 17.47 |
| 1915 | 0.49 | 1.56 | 1.10 | 3.70 | 5.28 | 4.50 | 4.69 | 4.80 | 1.89 | 1.34 | 0.23 | 0.25 | 29.83 |
| 1916 | 0.62 | 0.03 | 0.31 | 2.04 | 1.01 | 3.40 | 0.87 | 2.50 | 0.68 | 0.92 | 0.09 | 0.38 | 12.85 |
| 1917 | 0.22 | 0.07 | 0.35 | 1.86 | 2.14 | 1.27 | 1.90 | 3.83 | 2.21 | 0.20 | 0.43 | 0.18 | 14.66 |
| 1918 | 0.47 | 0.79 | 1.75 | 1.51 | 3.14 | 0.97 | 3.20 | 1.88 | 2.19 | 2.27 | 0.45 | 3.11 | 21.73 |
| 1919 | 0.03 | 1.50 | 1.24 | 2.89 | 1.85 | 2.67 | 2.88 | 0.96 | 3.57 | 1.28 | 1.29 | 0.17 | 20.33 |
| 1920 | 0.12 | 0.15 | 0.28 | 2.05 | 2.74 | 2.70 | 2.62 | 3.00 | 2.66 | 2.79 | 0.53 | 0.56 | 20.20 |
| 1921 | 0.77 | 0.43 | 0.41 | 2.29 | 1.70 | 3.70 | 3.46 | 1.85 | 1.94 | 0.36 | 0.04 | 0.54 | 17.49 |
| 1922 | 0.18 | 0.63 | 1.87 | 3.24 | 2.83 | 2.10 | 2.69 | 1.91 | 0.70 | 0.12 | 0.96 | 0.01 | 17.24 |
| 1923 | 0.01 | 0.10 | 0.59 | 2.08 | 6.70 | 4.71 | 3.47 | 2.90 | 3.07 | 4.20 | 0.44 | 0.58 | 28.85 |
| 1924 | 0.13 | 0.76 | 2.72 | 1.24 | 1.18 | 0.93 | 2.53 | 2.50 | 1.75 | 1.17 | 0.15 | 1.25 | 16.31 |
| 1925 | 0.08 | 0.38 | 0.37 | 1.94 | 2.02 | 1.67 | 2.74 | 3.78 | 2.89 | 0.76 | 1.06 | 0.15 | 17.84 |
| 1926 | 0.18 | 0.36 | 1.20 | 1.01 | 1.88 | 2.05 | 2.47 | 1.98 | 1.53 | 0.15 | 0.81 | 0.57 | 14.19 |
| 1927 | 0.11 | 0.67 | 1.52 | 2.52 | 0.70 | 4.41 | 3.37 | 3.73 | 1.63 | 0.31 | 0.13 | 0.16 | 19.26 |
| 1928 | 0.02 | 1.38 | 1.45 | 1.17 | 5.47 | 5.70 | 3.65 | 2.44 | 0.81 | 2.78 | 1.59 | 0.38 | 26.84 |
| 1929 | 0.22 | 0.49 | 0.43 | 1.58 | 3.06 | 2.30 | 2.92 | 1.93 | 2.43 | 1.73 | 1.62 | 0.09 | 18.80 |
| 1930 | 0.27 | 0.28 | 0.15 | 2.04 | 3.46 | 2.54 | 2.65 | 2.49 | 1.72 | 5.47 | 1.62 | 0.22 | 22.91 |
| 1931 | 0.01 | 1.00 | 2.25 | 1.61 | 1.68 | 1.45 | 1.97 | 2.63 | 0.64 | 0.96 | 1.19 | 0.27 | 15.66 |
| 1932 | 1.06 | 0.43 | 0.83 | 2.34 | 1.23 | 5.56 | 1.78 | 1.53 | 1.28 | 0.62 | 0.10 | 0.24 | 17.00 |
| 1933 | 0.02 | 0.18 | 0.58 | 2.17 | 3.48 | 0.88 | 1.84 | 4.91 | 1.33 | 0.50 | 0.97 | 1.04 | 17.90 |
| 1934 | 0.11 | 1.36 | 0.55 | 0.39 | 1.24 | 2.39 | 0.74 | 1.44 | 1.45 | 0.66 | 0.66 | 0.15 | 11.14 |
| 1935 | 0.31 | 0.25 | 0.61 | 0.25 | 4.65 | 2.90 | 0.80 | 1.50 | 2.29 | 0.58 | 0.99 | 0.16 | 15.29 |
| 1936 | 0.34 | 0.08 | 0.11 | 0.81 | 5.29 | 1.07 | 0.93 | 1.32 | 2.21 | 0.94 | 0.02 | 0.62 | 13.74 |
| 1937 | 0.39 | 0.37 | 0.86 | 0.39 | 1.44 | 3.03 | 1.70 | 1.57 | 1.27 | 1.22 | 0.15 | 0.29 | 12.68 |
| 1938 | 0.09 | 0.51 | 1.28 | 2.36 | 4.66 | 2.41 | 2.42 | 1.05 | 2.45 | 0.35 | 0.17 | 0.17 | 17.92 |
| 1939 | 0.63 | 1.03 | 1.63 | 1.13 | 1.66 | 2.60 | 1.39 | 1.35 | 0.19 | 0.10 | 0.14 | 0.94 | 12.79 |
| 1940 | 0.62 | 0.43 | 1.29 | 1.22 | 3.78 | 1.81 | 1.46 | 3.39 | 1.81 | 0.46 | 1.57 | 0.58 | 18.42 |
| 1941 | 1.02 | 0.80 | 0.78 | 2.82 | 4.11 | 5.81 | 4.24 | 2.35 | 3.05 | 2.66 | 0.47 | 0.71 | 28.82 |
| 1942 | 0.22 | 0.65 | 1.18 | 5.03 | 0.85 | 4.54 | 2.15 | 3.18 | 1.74 | 2.83 | 0.21 | 0.97 | 23.55 |
| 1943 | 0.15 | 0.24 | 0.42 | 2.07 | 1.77 | 2.97 | 2.13 | 2.64 | 0.74 | 0.59 | 0.15 | 0.81 | 14.51 |
| 1944 | 1.70 | 0.80 | 1.55 | 6.02 | 4.58 | 1.55 | 5.54 | 1.85 | 0.69 | 1.25 | 1.15 | 0.86 | 27.54 |
| 1945 | 1.10 | 0.43 | 0.23 | 3.03 | 1.73 | 3.14 | 2.40 | 2.60 | 1.79 | 0.60 | 0.06 | 0.45 | 17.56 |
| Average | 0.37 | 0.65 | 0.86 | 2.11 | 2.71 | 2.94 | 2.78 | 2.43 | 1.73 | 1.23 | 0.64 | 0.56 | 19.01 |

PRECIPITATION, BY MONTHS AND YEARS, FOR KANSAS

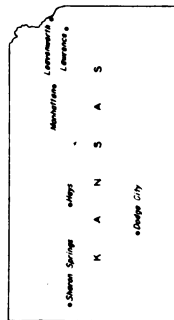
| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1887 | 0.26 | 0.81 | 0.43 | 3.08 | 2.43 | 3.58 | 2.02 | 4.76 | 2.98 | 1.68 | 0.48 | 0.86 | 23.37 |
| 1888 | 0.44 | 0.98 | 1.84 | 2.89 | 3.24 | 3.51 | 2.64 | 4.39 | 0.74 | 1.54 | 0.70 | 0.52 | 23.43 |
| 1889 | 1.19 | 0.73 | 1.66 | 3.14 | 5.49 | 3.98 | 4.65 | 2.84 | 1.90 | 2.37 | 1.43 | 0.06 | 29.44 |
| 1890 | 1.49 | 0.43 | 0.26 | 2.96 | 2.15 | 2.70 | 1.30 | 4.16 | 1.99 | 1.77 | 1.43 | 0.52 | 21.16 |
| 1891 | 1.51 | 0.96 | 2.88 | 2.38 | 4.78 | 6.28 | 4.56 | 1.27 | 2.49 | 2.13 | 0.42 | 1.48 | 31.14 |
| 1892 | 0.65 | 2.77 | 3.40 | 1.72 | 6.86 | 1.87 | 3.34 | 3.43 | 1.03 | 1.95 | 0.51 | 1.49 | 29.02 |
| 1893 | 0.11 | 0.57 | 0.95 | 1.51 | 3.04 | 3.91 | 3.52 | 2.69 | 2.50 | 0.29 | 0.78 | 0.38 | 20.25 |
| 1894 | 0.75 | 1.20 | 0.91 | 2.37 | 2.20 | 4.94 | 1.62 | 0.67 | 3.62 | 1.21 | 0.33 | 0.90 | 20.72 |
| 1895 | 0.57 | 1.22 | 0.85 | 1.29 | 2.57 | 5.01 | 5.51 | 5.20 | 1.72 | 0.70 | 1.43 | 2.01 | 28.08 |
| 1896 | 0.71 | 0.27 | 0.79 | 3.84 | 4.49 | 4.22 | 4.61 | 2.69 | 2.99 | 2.79 | 0.92 | 0.40 | 28.72 |
| 1897 | 1.10 | 1.19 | 1.97 | 3.69 | 2.04 | 3.64 | 3.13 | 3.06 | 1.35 | 2.49 | 0.23 | 0.56 | 24.45 |
| 1898 | 1.72 | 1.06 | 1.52 | 3.10 | 6.28 | 4.40 | 3.00 | 2.46 | 3.85 | 1.74 | 1.03 | 1.63 | 31.79 |
| 1899 | 0.34 | 0.62 | 1.77 | 1.41 | 3.39 | 5.37 | 5.38 | 1.93 | 1.87 | 1.63 | 1.40 | 1.15 | 26.26 |
| 1900 | 0.20 | 1.66 | 0.79 | 4.17 | 3.18 | 3.59 | 3.31 | 2.09 | 5.74 | 2.42 | 0.48 | 0.33 | 27.96 |
| 1901 | 0.39 | 1.19 | 1.66 | 3.62 | 1.62 | 2.28 | 1.84 | 2.65 | 3.09 | 1.84 | 0.59 | 0.58 | 21.35 |
| 1902 | 0.81 | 0.72 | 1.82 | 1.13 | 6.42 | 5.80 | 4.20 | 5.48 | 3.44 | 2.20 | 1.39 | 1.01 | 34.42 |
| 1903 | 0.29 | 2.17 | 1.31 | 2.86 | 7.93 | 2.38 | 3.02 | 4.85 | 1.96 | 3.29 | 0.92 | 0.37 | 31.35 |
| 1904 | 0.43 | 0.10 | 1.28 | 3.33 | 5.43 | 6.57 | 5.97 | 3.29 | 2.57 | 1.24 | 0.14 | 0.66 | 31.01 |
| 1905 | 0.85 | 0.92 | 2.14 | 2.68 | 4.42 | 3.75 | 5.45 | 1.77 | 4.59 | 1.68 | 2.38 | 1.14 | 30.77 |
| 1906 | 0.66 | 0.71 | 1.55 | 3.03 | 2.49 | 3.67 | 4.61 | 3.81 | 3.67 | 1.99 | 1.74 | 0.65 | 28.58 |
| 1907 | 2.04 | 0.73 | 1.04 | 1.34 | 2.37 | 4.83 | 3.77 | 3.23 | 2.02 | 2.90 | 0.74 | 1.45 | 26.46 |
| 1908 | 0.20 | 1.76 | 0.71 | 1.86 | 5.07 | 7.91 | 3.43 | 3.85 | 1.57 | 3.28 | 2.52 | 0.14 | 32.30 |
| 1909 | 0.46 | 0.72 | 1.81 | 1.26 | 3.66 | 5.46 | 5.43 | 1.21 | 3.06 | 1.70 | 5.00 | 1.38 | 31.15 |
| 1910 | 0.91 | 0.46 | 0.07 | 1.15 | 4.83 | 1.88 | 2.01 | 4.37 | 2.86 | 0.55 | 0.08 | 0.50 | 19.67 |
| 1911 | 0.23 | 3.81 | 0.40 | 1.83 | 2.66 | 0.64 | 3.99 | 3.59 | 3.05 | 1.37 | 0.83 | 2.13 | 24.53 |
| 1912 | 0.14 | 2.06 | 2.68 | 2.58 | 2.87 | 4.02 | 2.56 | 4.29 | 2.48 | 2.16 | 0.53 | 0.32 | 26.69 |
| 1913 | 0.45 | 1.69 | 0.91 | 1.90 | 2.90 | 2.45 | 1.32 | 0.47 | 3.81 | 1.95 | 1.65 | 3.52 | 23.02 |
| 1914 | 0.15 | 1.14 | 1.09 | 1.76 | 3.39 | 3.96 | 2.66 | 3.27 | 2.66 | 2.15 | 0.12 | 0.73 | 23.08 |
| 1915 | 1.18 | 2.62 | 1.68 | 3.73 | 6.85 | 6.46 | 5.90 | 4.63 | 4.45 | 1.53 | 0.52 | 1.22 | 40.77 |
| 1916 | 2.00 | 0.23 | 1.11 | 2.53 | 3.32 | 6.01 | 0.78 | 2.07 | 2.20 | 1.63 | 1.34 | 0.62 | 23.84 |
| 1917 | 0.32 | 0.04 | 0.90 | 2.91 | 3.50 | 2.11 | 1.53 | 4.86 | 2.36 | 0.46 | 0.38 | 0.23 | 19.60 |
| 1918 | 0.67 | 0.79 | 1.75 | 3.05 | 4.13 | 1.31 | 2.59 | 2.27 | 2.79 | 3.82 | 1.72 | 2.77 | 27.60 |
| 1919 | 0.07 | 1.82 | 1.88 | 3.85 | 2.97 | 4.36 | 1.91 | 1.81 | 2.73 | 2.09 | 1.97 | 0.19 | 25.65 |
| 1920 | 0.27 | 0.33 | 1.48 | 2.71 | 3.07 | 2.93 | 3.25 | 4.34 | 3.16 | 2.82 | 1.34 | 0.95 | 26.65 |
| 1921 | 1.06 | 0.26 | 1.27 | 3.07 | 2.61 | 5.00 | 3.13 | 3.34 | 3.28 | 0.62 | 0.07 | 0.48 | 24.19 |
| 1922 | 0.39 | 1.09 | 3.82 | 4.86 | 3.97 | 2.33 | 4.89 | 1.51 | 2.04 | 1.27 | 2.77 | 0.07 | 29.01 |
| 1923 | 0.13 | 0.19 | 1.54 | 2.49 | 5.75 | 6.10 | 3.15 | 2.42 | 4.21 | 4.32 | 0.91 | 0.67 | 31.88 |
| 1924 | 0.39 | 0.82 | 2.56 | 2.22 | 2.12 | 2.17 | 3.69 | 4.09 | 2.65 | 1.27 | 0.72 | 1.53 | 24.23 |
| 1925 | 0.36 | 0.40 | 0.85 | 3.52 | 2.16 | 4.03 | 3.15 | 3.18 | 4.13 | 1.54 | 1.47 | 0.27 | 25.08 |
| 1926 | 0.80 | 0.78 | 1.63 | 1.39 | 2.20 | 2.69 | 2.51 | 2.84 | 4.81 | 2.83 | 1.42 | 0.90 | 24.80 |
| 1927 | 0.41 | 0.78 | 2.84 | 4.82 | 1.91 | 5.91 | 3.71 | 6.46 | 2.77 | 1.78 | 0.44 | 0.57 | 32.40 |
| 1928 | 0.09 | 1.87 | 1.41 | 2.34 | 3.53 | 7.35 | 4.38 | 3.11 | 1.36 | 2.57 | 4.41 | 0.98 | 33.40 |
| 1929 | 1.13 | 0.83 | 0.94 | 3.33 | 4.76 | 3.99 | 3.54 | 2.14 | 1.91 | 3.59 | 1.61 | 0.19 | 27.96 |
| 1930 | 0.93 | 0.31 | 0.29 | 2.82 | 4.36 | 3.92 | 1.99 | 2.81 | 3.00 | 3.63 | 2.43 | 0.38 | 26.87 |
| 1931 | 0.26 | 0.98 | 2.41 | 2.41 | 2.89 | 2.15 | 2.32 | 3.27 | 2.50 | 1.60 | 4.46 | 0.65 | 25.90 |
| 1932 | 1.33 | 0.71 | 0.89 | 2.21 | 2.25 | 5.73 | 3.12 | 2.92 | 2.15 | 0.99 | 0.32 | 1.14 | 23.76 |
| 1933 | 0.25 | 0.26 | 1.47 | 2.42 | 3.80 | 0.87 | 2.80 | 5.21 | 2.25 | 0.86 | 0.72 | 1.27 | 22.18 |
| 1934 | 0.43 | 1.15 | 0.70 | 1.27 | 2.82 | 2.73 | 1.13 | 1.32 | 4.18 | 1.29 | 2.58 | 0.42 | 20.02 |
| 1935 | 0.61 | 0.79 | 0.82 | 1.13 | 7.78 | 5.08 | 0.68 | 2.95 | 3.17 | 2.88 | 2.31 | 0.27 | 28.47 |
| 1936 | 0.71 | 0.23 | 0.14 | 1.17 | 4.88 | 1.26 | 0.86 | 1.06 | 4.84 | 1.82 | 0.18 | 1.16 | 18.31 |
| 1937 | 1.40 | 0.68 | 1.65 | 1.00 | 3.15 | 3.27 | 3.14 | 2.06 | 1.90 | 1.43 | 0.67 | 0.53 | 20.88 |
| 1938 | 0.45 | 1.16 | 2.06 | 3.41 | 7.56 | 4.08 | 2.90 | 2.53 | 2.19 | 0.33 | 1.40 | 0.20 | 27.27 |
| 1939 | 0.78 | 1.22 | 1.72 | 1.96 | 2.35 | 4.59 | 1.40 | 3.50 | 0.32 | 0.60 | 0.83 | 0.81 | 20.08 |
| 1940 | 0.82 | 0.93 | 1.31 | 2.97 | 3.76 | 2.68 | 1.58 | 4.39 | 2.50 | 1.05 | 2.66 | 1.02 | 25.67 |
| 1941 | 1.99 | 0.77 | 0.90 | 3.22 | 3.54 | 6.35 | 3.05 | 3.86 | 4.76 | 6.51 | 0.98 | 1.09 | 36.92 |
| 1942 | 0.37 | 1.17 | 1.45 | 4.47 | 2.53 | 6.49 | 2.25 | 4.57 | 4.48 | 2.80 | 0.75 | 1.82 | 33.15 |
| 1943 | 0.18 | 0.59 | 0.25 | 1.96 | 4.61 | 5.54 | 2.85 | 2.36 | 2.37 | 1.67 | 0.22 | 1.50 | 24.62 |
| 1944 | 1.09 | 1.22 | 2.96 | 7.25 | 3.90 | 2.93 | 4.73 | 5.63 | 1.92 | 1.73 | 1.96 | 2.15 | 37.47 |
| 1945 | 0.88 | 0.91 | 1.96 | 5.58 | 3.50 | 4.72 | 3.64 | 2.35 | 4.89 | 0.81 | 0.15 | 0.81 | 30.20 |
| Average | 0.69 | 0.99 | 1.45 | 2.69 | 3.81 | 4.03 | 3.14 | 3.18 | 2.84 | 1.95 | 1.25 | 0.89 | 26.91 |

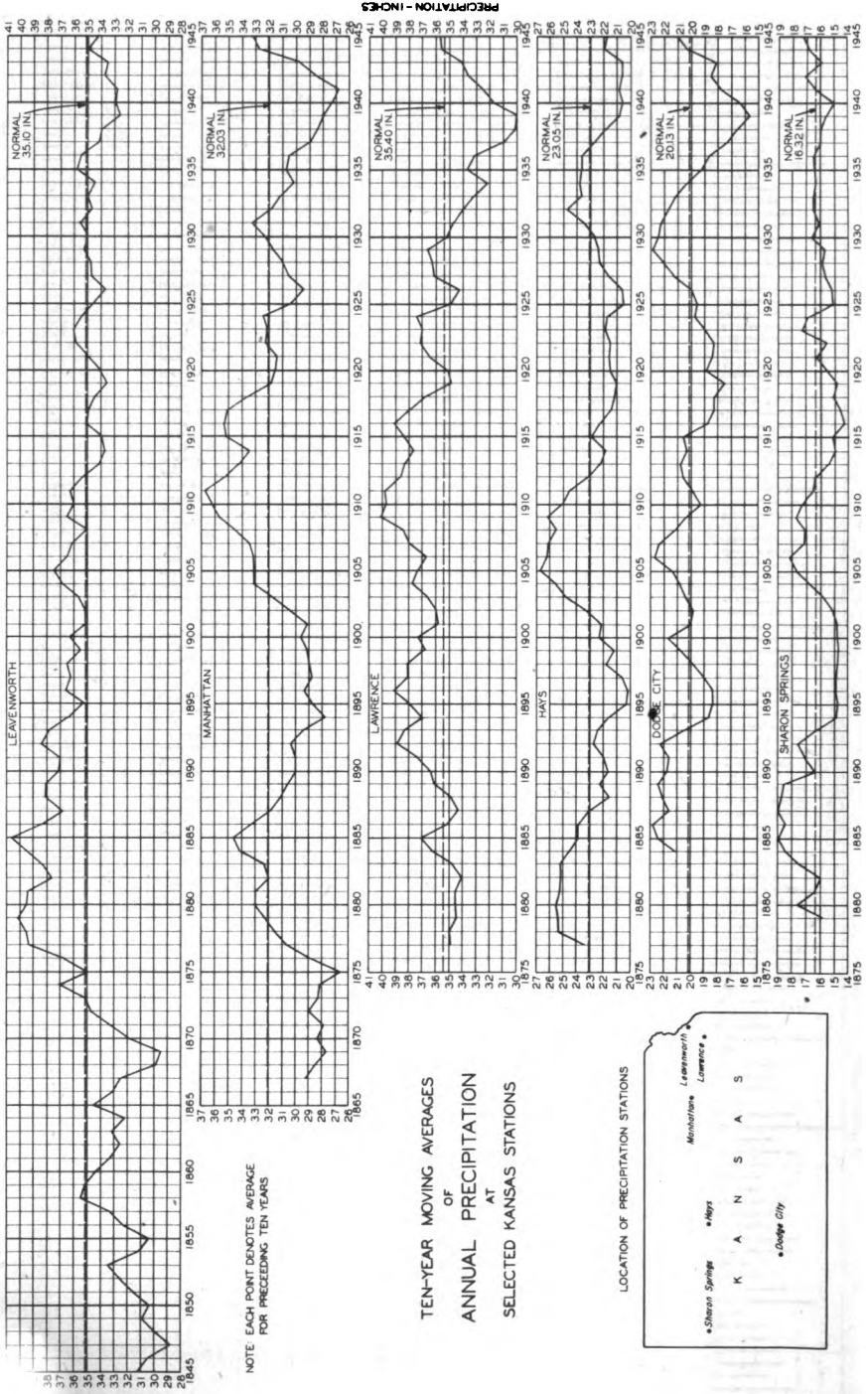




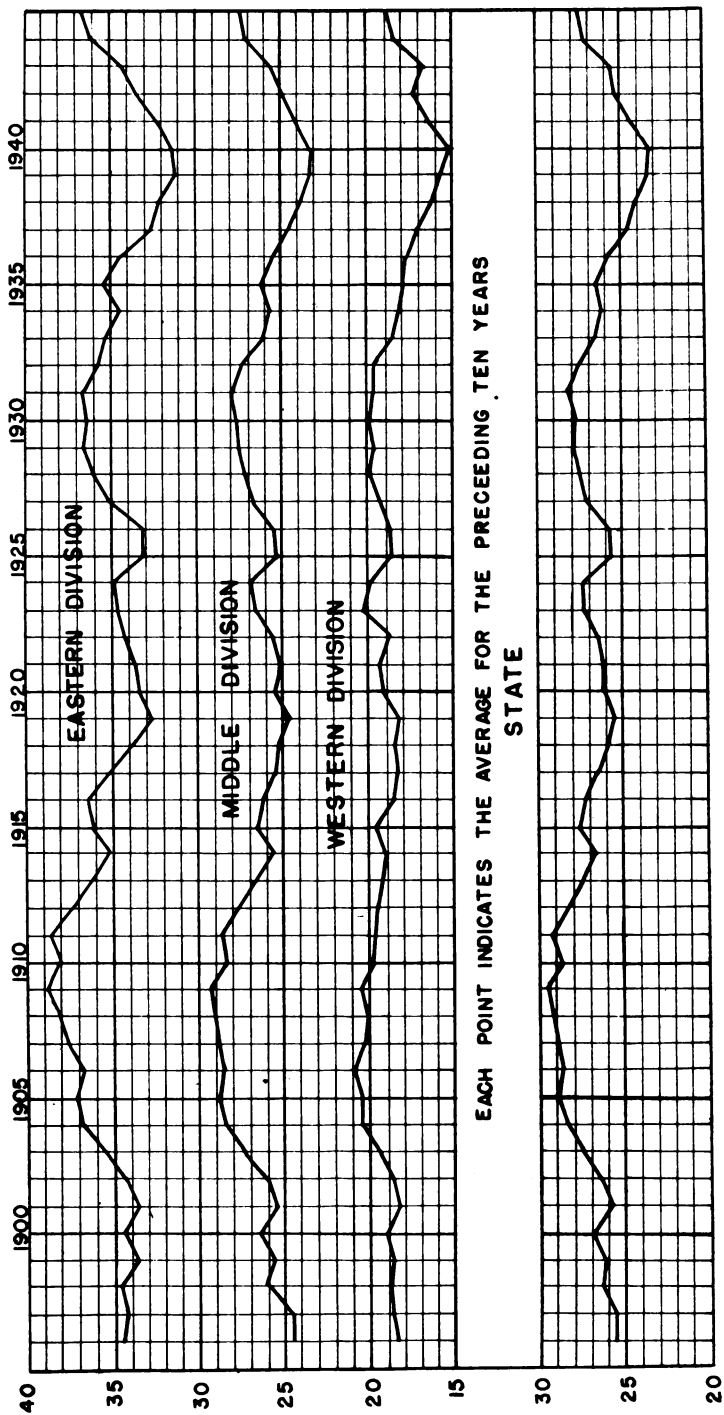
VARIATION
IN
ANNUAL PRECIPITATION
AT
SELECTED KANSAS STATIONS

LOCATION OF PRECIPITATION STATIONS

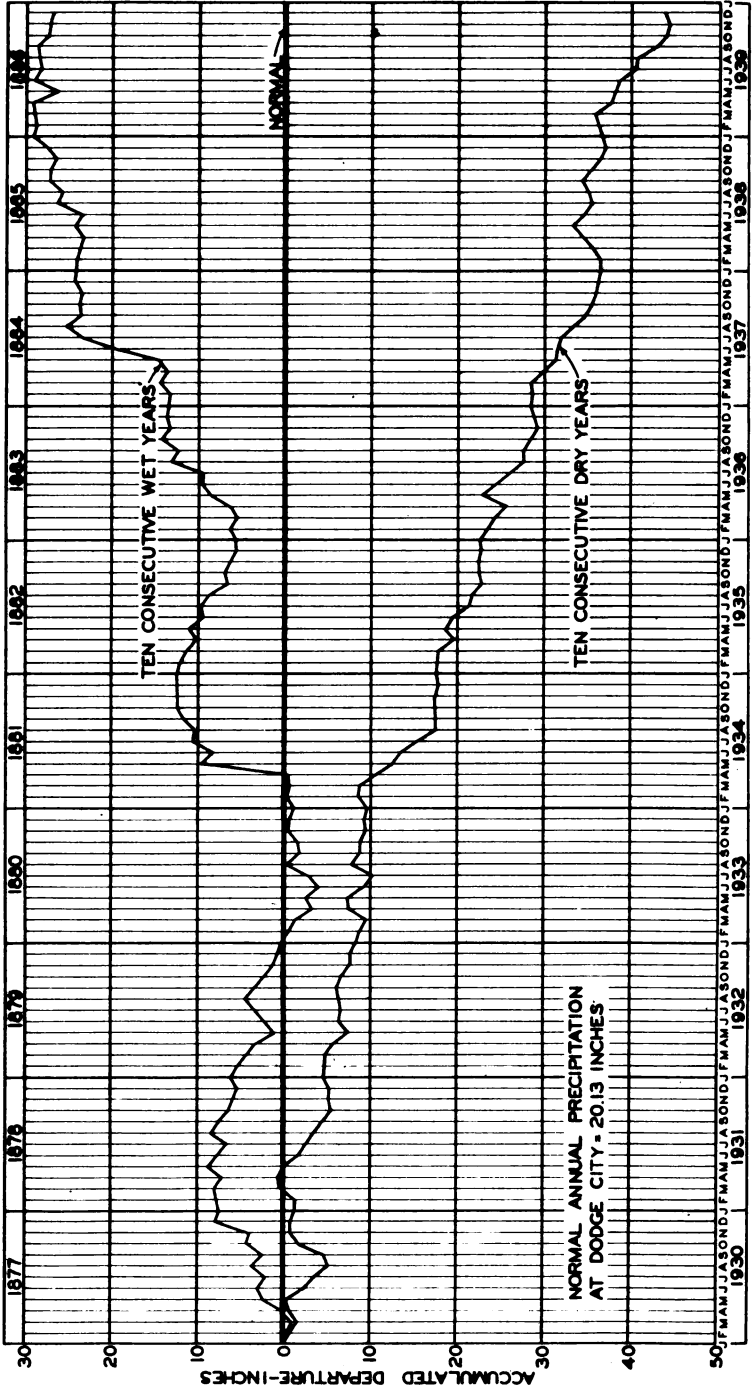




IO-YEAR MOVING AVERAGE OF ANNUAL PRECIPITATION
K A N S A S



ACCUMULATED DEPARTURES
OF
MONTHLY PRECIPITATION FROM NORMAL
DODGE CITY, KANSAS



NOTE - These 10 consecutive wet or dry years are the ten-year periods of greatest accumulated excess or deficiency of precipitation.

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

ASHLAND, CLARK COUNTY. — 1888-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 40 | 32 | 28 | 7 | 0 | 2 | 5 | 0 | 9 | 12 | 36 | 38 | 17 |
| Over 0.25 | 60 | 68 | 72 | 93 | 100 | 98 | 95 | 100 | 91 | 88 | 64 | 62 | 83 |
| 0.50 | 37 | 51 | 56 | 86 | 98 | 95 | 91 | 93 | 86 | 74 | 50 | 43 | 72 |
| 0.75 | 28 | 39 | 49 | 82 | 91 | 92 | 84 | 90 | 81 | 62 | 41 | 31 | 64 |
| 1.00 | 12 | 30 | 44 | 79 | 88 | 92 | 81 | 84 | 78 | 57 | 36 | 26 | 59 |
| 1.50 | 0 | 18 | 24 | 62 | 79 | 85 | 74 | 74 | 59 | 45 | 22 | 12 | 46 |
| 2.00 | 0 | 11 | 12 | 44 | 67 | 76 | 64 | 59 | 57 | 33 | 17 | 9 | 37 |
| 3.00 | 0 | 4 | 5 | 23 | 44 | 48 | 41 | 41 | 29 | 10 | 10 | 2 | 22 |
| 4.00 | 0 | 2 | 4 | 7 | 37 | 33 | 24 | 17 | 14 | 8 | 3 | 0 | 12 |
| 5.00 | 0 | 2 | 0 | 2 | 32 | 17 | 16 | 10 | 9 | 5 | 2 | 0 | 8 |
| 6.00 | 0 | 0 | 0 | 2 | 12 | 7 | 12 | 5 | 2 | 5 | 2 | 0 | 4 |
| 8.00 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 10.00 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |

ALTON, OSBORNE COUNTY. — 1878-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|-----|----|----|----|----|----|----|----|
| 0.25 and under | 40 | 18 | 24 | 2 | 0 | 0 | 3 | 2 | 2 | 13 | 24 | 39 | 14 |
| Over 0.25 | 60 | 82 | 76 | 98 | 100 | 100 | 97 | 98 | 98 | 87 | 76 | 61 | 86 |
| 0.50 | 40 | 66 | 69 | 90 | 98 | 94 | 93 | 92 | 88 | 76 | 58 | 45 | 76 |
| 0.75 | 27 | 51 | 54 | 84 | 96 | 86 | 85 | 90 | 82 | 66 | 48 | 34 | 67 |
| 1.00 | 16 | 33 | 43 | 76 | 94 | 83 | 81 | 86 | 73 | 54 | 39 | 27 | 59 |
| 1.50 | 9 | 15 | 22 | 63 | 85 | 82 | 72 | 72 | 55 | 36 | 22 | 12 | 45 |
| 2.00 | 6 | 9 | 16 | 52 | 61 | 72 | 61 | 55 | 46 | 27 | 13 | 4 | 35 |
| 3.00 | 2 | 2 | 3 | 37 | 43 | 61 | 45 | 34 | 31 | 9 | 2 | 0 | 22 |
| 4.00 | 0 | 2 | 2 | 18 | 25 | 43 | 28 | 14 | 15 | 6 | 2 | 0 | 13 |
| 5.00 | 0 | 0 | 2 | 9 | 15 | 30 | 18 | 9 | 9 | 4 | 2 | 0 | 8 |
| 6.00 | 0 | 0 | 0 | 2 | 6 | 16 | 12 | 6 | 6 | 2 | 0 | 0 | 4 |
| 8.00 | 0 | 0 | 0 | 0 | 2 | 3 | 6 | 4 | 3 | 0 | 0 | 0 | 0 |
| 10.00 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |

ANTHONY, HARPER COUNTY. — 1896-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|----|----|----|----|----|----|----|----|
| 0.25 and under | 26 | 22 | 10 | 2 | 0 | 2 | 2 | 4 | 6 | 8 | 22 | 26 | 11 |
| Over 0.25 | 74 | 78 | 90 | 98 | 100 | 98 | 98 | 96 | 94 | 92 | 78 | 74 | 89 |
| 0.50 | 52 | 64 | 84 | 98 | 98 | 96 | 96 | 92 | 90 | 90 | 68 | 66 | 89 |
| 0.75 | 44 | 50 | 68 | 92 | 96 | 92 | 90 | 86 | 88 | 90 | 56 | 44 | 75 |
| 1.00 | 30 | 38 | 60 | 86 | 90 | 92 | 84 | 76 | 78 | 82 | 52 | 36 | 67 |
| 1.50 | 10 | 22 | 48 | 74 | 78 | 86 | 72 | 68 | 74 | 60 | 42 | 20 | 54 |
| 2.00 | 0 | 8 | 28 | 60 | 74 | 76 | 62 | 62 | 64 | 44 | 36 | 14 | 44 |
| 3.00 | 0 | 4 | 8 | 44 | 62 | 56 | 38 | 44 | 42 | 18 | 12 | 6 | 28 |
| 4.00 | 0 | 2 | 4 | 16 | 46 | 36 | 22 | 18 | 28 | 14 | 10 | 0 | 16 |
| 5.00 | 0 | 0 | 0 | 8 | 32 | 26 | 12 | 10 | 16 | 10 | 8 | 0 | 10 |
| 6.00 | 0 | 0 | 0 | 8 | 24 | 16 | 6 | 10 | 6 | 4 | 6 | 0 | 7 |
| 8.00 | 0 | 0 | 0 | 0 | 16 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 2 |
| 10.00 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |

BURR OAK, JEWELL COUNTY. — 1888-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|----|-----|----|----|----|----|----|----|----|
| 0.25 and under | 43 | 26 | 12 | 6 | 2 | 0 | 10 | 2 | 6 | 2 | 41 | 38 | 16 |
| Over 0.25 | 57 | 74 | 88 | 94 | 98 | 100 | 90 | 98 | 94 | 98 | 59 | 62 | 84 |
| 0.50 | 45 | 63 | 74 | 90 | 98 | 96 | 86 | 92 | 90 | 80 | 51 | 44 | 76 |
| 0.75 | 29 | 49 | 59 | 86 | 98 | 96 | 84 | 92 | 84 | 61 | 47 | 36 | 68 |
| 1.00 | 14 | 33 | 51 | 78 | 92 | 92 | 80 | 90 | 76 | 59 | 41 | 22 | 61 |
| 1.50 | 6 | 20 | 31 | 65 | 86 | 88 | 74 | 78 | 60 | 51 | 26 | 12 | 50 |
| 2.00 | 4 | 10 | 18 | 59 | 74 | 76 | 57 | 64 | 54 | 31 | 14 | 6 | 39 |
| 3.00 | 0 | 4 | 4 | 35 | 53 | 61 | 43 | 40 | 32 | 12 | 8 | 2 | 25 |
| 4.00 | 0 | 0 | 0 | 20 | 35 | 45 | 31 | 26 | 22 | 6 | 2 | 2 | 16 |
| 5.00 | 0 | 0 | 0 | 4 | 26 | 29 | 16 | 16 | 14 | 2 | 0 | 0 | 9 |
| 6.00 | 0 | 0 | 0 | 0 | 12 | 22 | 14 | 8 | 6 | 2 | 0 | 0 | 5 |
| 8.00 | 0 | 0 | 0 | 0 | 4 | 12 | 4 | 2 | 2 | 0 | 0 | 0 | 2 |
| 10.00 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 1 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

CLIMAX, GREENWOOD COUNTY. — 1895-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 16 | 16 | 6 | 0 | 0 | 0 | 2 | 0 | 4 | 2 | 20 | 14 | 6 |
| Over 0.25 | 84 | 84 | 94 | 100 | 100 | 100 | 98 | 100 | 96 | 98 | 80 | 86 | 94 |
| " 0.50 | 67 | 74 | 94 | 100 | 98 | 100 | 94 | 96 | 96 | 92 | 74 | 71 | 88 |
| " 0.75 | 45 | 65 | 88 | 100 | 98 | 96 | 90 | 94 | 96 | 92 | 72 | 59 | 83 |
| " 1.00 | 33 | 51 | 84 | 94 | 98 | 88 | 86 | 88 | 92 | 80 | 65 | 45 | 76 |
| " 1.50 | 14 | 28 | 65 | 90 | 90 | 84 | 80 | 78 | 84 | 72 | 51 | 31 | 64 |
| " 2.00 | 6 | 20 | 47 | 65 | 88 | 84 | 69 | 67 | 73 | 59 | 31 | 24 | 53 |
| " 3.00 | 2 | 8 | 20 | 45 | 76 | 65 | 57 | 43 | 61 | 35 | 20 | 10 | 37 |
| " 4.00 | 2 | 2 | 8 | 29 | 55 | 61 | 35 | 31 | 41 | 25 | 14 | 4 | 26 |
| " 5.00 | 0 | 0 | 4 | 18 | 39 | 43 | 26 | 20 | 25 | 8 | 4 | 0 | 16 |
| " 6.00 | 0 | 0 | 0 | 10 | 27 | 22 | 10 | 12 | 16 | 4 | 4 | 0 | 9 |
| " 8.00 | 0 | 0 | 0 | 6 | 16 | 6 | 4 | 6 | 6 | 0 | 2 | 0 | 4 |
| " 10.00 | 0 | 0 | 0 | 2 | 8 | 2 | 0 | 2 | 3 | 0 | 0 | 0 | 2 |

COLBY, THOMAS COUNTY. — 1888-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 0.25 and under | 55 | 36 | 20 | 2 | 2 | 2 | 2 | 4 | 5 | 20 | 45 | 36 | 19 |
| Over 0.25 | 45 | 64 | 80 | 98 | 98 | 98 | 98 | 96 | 95 | 80 | 55 | 64 | 81 |
| " 0.50 | 16 | 43 | 59 | 89 | 96 | 96 | 93 | 93 | 84 | 62 | 39 | 30 | 67 |
| " 0.75 | 11 | 27 | 45 | 82 | 96 | 91 | 89 | 86 | 70 | 52 | 27 | 22 | 58 |
| " 1.00 | 4 | 18 | 36 | 75 | 89 | 89 | 84 | 82 | 61 | 34 | 22 | 11 | 50 |
| " 1.50 | 2 | 9 | 25 | 54 | 77 | 86 | 75 | 61 | 45 | 23 | 11 | 5 | 39 |
| " 2.00 | 0 | 0 | 9 | 47 | 56 | 73 | 52 | 50 | 30 | 12 | 5 | 5 | 28 |
| " 3.00 | 0 | 0 | 0 | 32 | 32 | 48 | 32 | 27 | 7 | 7 | 0 | 2 | 16 |
| " 4.00 | 0 | 0 | 0 | 14 | 16 | 25 | 18 | 16 | 0 | 4 | 0 | 2 | 8 |
| " 5.00 | 0 | 0 | 0 | 7 | 5 | 12 | 12 | 7 | 0 | 4 | 0 | 0 | 4 |
| " 6.00 | 0 | 0 | 0 | 2 | 2 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 1 |
| " 8.00 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

COLUMBUS, CHEROKEE COUNTY. — 1890-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|-----|-----|-----|-----|----|----|----|-----|----|-----|----|
| 0.25 and under | 4 | 7 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 5 | 0 | 2 |
| Over 0.25 | 96 | 93 | 100 | 100 | 100 | 100 | 98 | 98 | 98 | 100 | 95 | 100 | 98 |
| " 0.50 | 87 | 87 | 100 | 98 | 100 | 98 | 96 | 98 | 95 | 95 | 95 | 96 | 96 |
| " 0.75 | 78 | 85 | 98 | 98 | 100 | 95 | 95 | 95 | 93 | 97 | 89 | 91 | 92 |
| " 1.00 | 71 | 69 | 93 | 98 | 100 | 91 | 91 | 93 | 91 | 86 | 87 | 80 | 88 |
| " 1.50 | 53 | 51 | 82 | 96 | 96 | 91 | 86 | 86 | 80 | 78 | 66 | 59 | 77 |
| " 2.00 | 33 | 38 | 71 | 95 | 91 | 87 | 73 | 79 | 75 | 68 | 48 | 34 | 66 |
| " 3.00 | 16 | 16 | 42 | 69 | 76 | 78 | 53 | 50 | 59 | 45 | 20 | 20 | 45 |
| " 4.00 | 9 | 4 | 31 | 53 | 58 | 73 | 38 | 36 | 46 | 30 | 13 | 7 | 33 |
| " 5.00 | 4 | 4 | 18 | 33 | 47 | 66 | 27 | 30 | 36 | 18 | 9 | 4 | 24 |
| " 6.00 | 4 | 2 | 4 | 24 | 36 | 56 | 18 | 14 | 28 | 11 | 5 | 2 | 17 |
| " 8.00 | 2 | 0 | 2 | 9 | 20 | 24 | 11 | 7 | 11 | 4 | 0 | 2 | 8 |
| " 10.00 | 0 | 0 | 0 | 4 | 7 | 11 | 4 | 2 | 7 | 4 | 0 | 2 | 3 |

CONCORDIA, CLOUD COUNTY. — 1885-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|-----|-----|-----|----|-----|-----|----|----|----|----|
| 0.25 and under | 33 | 17 | 12 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 23 | 38 | 11 |
| Over 0.25 | 67 | 83 | 88 | 100 | 100 | 100 | 95 | 100 | 100 | 95 | 77 | 62 | 89 |
| " 0.50 | 55 | 65 | 70 | 95 | 100 | 100 | 94 | 95 | 98 | 87 | 64 | 49 | 81 |
| " 0.75 | 25 | 50 | 67 | 85 | 100 | 98 | 90 | 88 | 94 | 77 | 52 | 31 | 72 |
| " 1.00 | 15 | 33 | 53 | 78 | 100 | 94 | 85 | 85 | 85 | 67 | 44 | 21 | 64 |
| " 1.50 | 5 | 13 | 32 | 68 | 95 | 85 | 77 | 76 | 77 | 49 | 23 | 8 | 51 |
| " 2.00 | 3 | 10 | 20 | 53 | 80 | 79 | 64 | 59 | 55 | 34 | 13 | 3 | 40 |
| " 3.00 | 0 | 2 | 7 | 30 | 59 | 62 | 51 | 48 | 38 | 20 | 5 | 2 | 27 |
| " 4.00 | 0 | 0 | 0 | 12 | 36 | 43 | 36 | 31 | 13 | 8 | 2 | 0 | 15 |
| " 5.00 | 0 | 0 | 0 | 3 | 29 | 33 | 21 | 20 | 5 | 7 | 0 | 0 | 10 |
| " 6.00 | 0 | 0 | 0 | 0 | 16 | 26 | 10 | 8 | 3 | 0 | 0 | 0 | 5 |
| " 8.00 | 0 | 0 | 0 | 0 | 6 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| " 10.00 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

DODGE CITY, FORD COUNTY. — 1874-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 49 | 28 | 28 | 85 | 0 | 0 | 4 | 3 | 8 | 15 | 36 | 46 | 19 |
| Over 0.25 | 51 | 72 | 72 | 92 | 100 | 100 | 96 | 97 | 92 | 85 | 64 | 54 | 81 |
| " 0.50 | 31 | 55 | 56 | 86 | 97 | 99 | 93 | 96 | 84 | 72 | 46 | 43 | 72 |
| " 0.75 | 20 | 37 | 45 | 79 | 94 | 96 | 89 | 89 | 78 | 65 | 39 | 31 | 63 |
| " 1.00 | 10 | 28 | 35 | 73 | 86 | 92 | 85 | 86 | 69 | 51 | 25 | 17 | 55 |
| " 1.50 | 4 | 13 | 18 | 58 | 69 | 79 | 82 | 75 | 52 | 33 | 14 | 8 | 42 |
| " 2.00 | 0 | 7 | 11 | 45 | 59 | 70 | 59 | 61 | 37 | 24 | 11 | 3 | 32 |
| " 3.00 | 0 | 0 | 4 | 23 | 41 | 44 | 42 | 32 | 16 | 14 | 1 | 3 | 18 |
| " 4.00 | 0 | 0 | 0 | 11 | 22 | 30 | 23 | 22 | 7 | 1 | 1 | 3 | 10 |
| " 5.00 | 0 | 0 | 0 | 3 | 11 | 17 | 16 | 10 | 3 | 0 | 1 | 0 | 5 |
| " 6.00 | 0 | 0 | 0 | 0 | 6 | 10 | 7 | 1 | 1 | 0 | 0 | 0 | 2 |
| " 8.00 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| " 10.00 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ELIHART, MORTON COUNTY. — 1918-1945, incl.
(Richfield, Merton County. — 1891-1917, incl.)

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|----|-----|----|----|----|----|----|----|----|
| 0.25 and under | 46 | 32 | 24 | 12 | 4 | 0 | 2 | 8 | 16 | 14 | 48 | 34 | 20 |
| Over 0.25 | 54 | 68 | 76 | 88 | 96 | 100 | 98 | 92 | 84 | 86 | 52 | 66 | 80 |
| " 0.50 | 28 | 48 | 56 | 86 | 90 | 98 | 94 | 86 | 76 | 64 | 32 | 44 | 66 |
| " 0.75 | 22 | 28 | 34 | 72 | 80 | 90 | 90 | 78 | 72 | 52 | 28 | 32 | 56 |
| " 1.00 | 8 | 20 | 26 | 62 | 74 | 78 | 84 | 74 | 60 | 38 | 18 | 26 | 47 |
| " 1.50 | 2 | 12 | 16 | 42 | 64 | 62 | 72 | 58 | 46 | 26 | 14 | 16 | 35 |
| " 2.00 | 0 | 8 | 12 | 24 | 52 | 54 | 52 | 40 | 34 | 18 | 6 | 12 | 25 |
| " 3.00 | 0 | 4 | 2 | 12 | 28 | 24 | 32 | 22 | 14 | 10 | 4 | 0 | 12 |
| " 4.00 | 0 | 2 | 0 | 8 | 18 | 18 | 22 | 12 | 12 | 6 | 0 | 0 | 8 |
| " 5.00 | 0 | 0 | 0 | 8 | 10 | 10 | 12 | 0 | 6 | 2 | 0 | 0 | 3 |
| " 6.00 | 0 | 0 | 0 | 4 | 8 | 4 | 8 | 0 | 6 | 2 | 0 | 0 | 2 |
| " 8.00 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

EMFORIA, LYON COUNTY. — 1881-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|-----|----|----|-----|----|----|----|----|
| 0.25 and under | 26 | 16 | 6 | 2 | 0 | 0 | 3 | 5 | 0 | 5 | 15 | 17 | 8 |
| Over 0.25 | 74 | 85 | 94 | 98 | 100 | 100 | 97 | 95 | 100 | 95 | 85 | 83 | 92 |
| " 0.50 | 51 | 74 | 94 | 98 | 100 | 98 | 94 | 91 | 98 | 91 | 74 | 75 | 87 |
| " 0.75 | 38 | 68 | 88 | 98 | 100 | 95 | 92 | 89 | 97 | 88 | 68 | 60 | 82 |
| " 1.00 | 28 | 51 | 80 | 95 | 100 | 95 | 88 | 89 | 92 | 77 | 57 | 49 | 75 |
| " 1.50 | 12 | 28 | 55 | 88 | 94 | 88 | 77 | 89 | 86 | 68 | 38 | 28 | 63 |
| " 2.00 | 6 | 11 | 42 | 74 | 91 | 83 | 68 | 85 | 78 | 46 | 29 | 15 | 52 |
| " 3.00 | 3 | 5 | 17 | 43 | 72 | 72 | 55 | 57 | 58 | 31 | 15 | 6 | 36 |
| " 4.00 | 0 | 3 | 8 | 20 | 62 | 54 | 29 | 40 | 37 | 25 | 9 | 5 | 24 |
| " 5.00 | 0 | 0 | 2 | 11 | 43 | 44 | 20 | 26 | 26 | 17 | 4 | 2 | 16 |
| " 6.00 | 0 | 0 | 2 | 8 | 32 | 32 | 11 | 15 | 18 | 6 | 3 | 0 | 11 |
| " 8.00 | 0 | 0 | 0 | 3 | 15 | 18 | 6 | 8 | 6 | 3 | 2 | 0 | 5 |
| " 10.00 | 0 | 0 | 0 | 2 | 3 | 5 | 2 | 5 | 2 | 0 | 2 | 0 | 2 |

FORT SCOTT, BOURBON COUNTY. — 1843-1853, incl.
1880-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|-----|-----|----|-----|-----|----|-----|----|----|----|
| 0.25 and under | 5 | 10 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 6 | 1 | 2 |
| Over 0.25 | 95 | 90 | 99 | 100 | 100 | 99 | 100 | 100 | 97 | 100 | 94 | 99 | 98 |
| " 0.50 | 88 | 86 | 96 | 100 | 100 | 97 | 96 | 97 | 97 | 99 | 92 | 87 | 95 |
| " 0.75 | 80 | 78 | 90 | 99 | 100 | 96 | 94 | 92 | 90 | 94 | 89 | 79 | 90 |
| " 1.00 | 68 | 65 | 85 | 99 | 99 | 96 | 94 | 86 | 89 | 88 | 81 | 67 | 84 |
| " 1.50 | 45 | 45 | 75 | 90 | 97 | 93 | 83 | 82 | 78 | 75 | 62 | 47 | 73 |
| " 2.00 | 31 | 31 | 60 | 86 | 94 | 86 | 79 | 71 | 7 | 64 | 48 | 32 | 63 |
| " 3.00 | 12 | 18 | 32 | 68 | 79 | 80 | 54 | 52 | 58 | 44 | 29 | 12 | 45 |
| " 4.00 | 7 | 7 | 12 | 44 | 61 | 69 | 39 | 32 | 44 | 35 | 15 | 4 | 31 |
| " 5.00 | 3 | 4 | 7 | 27 | 46 | 54 | 27 | 18 | 35 | 18 | 10 | 1 | 21 |
| " 6.00 | 1 | 3 | 3 | 21 | 35 | 48 | 14 | 12 | 24 | 10 | 4 | 1 | 15 |
| " 8.00 | 0 | 0 | 1 | 8 | 17 | 28 | 10 | 6 | 14 | 1 | 0 | 1 | 7 |
| " 10.00 | 0 | 0 | 0 | 1 | 11 | 10 | 7 | 6 | 7 | 1 | 0 | 0 | 4 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

GARDEN CITY, FINNEY COUNTY. — 1889-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 52 | 30 | 29 | 11 | 4 | 0 | 2 | 2 | 10 | 25 | 44 | 40 | 21 |
| Over 0.25 | 48 | 70 | 71 | 89 | 96 | 100 | 98 | 98 | 90 | 75 | 56 | 60 | 79 |
| " 0.50 | 20 | 54 | 59 | 80 | 91 | 98 | 96 | 96 | 77 | 67 | 40 | 39 | 68 |
| " 0.75 | 14 | 30 | 48 | 75 | 84 | 95 | 89 | 84 | 72 | 47 | 33 | 30 | 58 |
| " 1.00 | 12 | 23 | 39 | 64 | 77 | 90 | 79 | 75 | 63 | 46 | 23 | 18 | 51 |
| " 1.50 | 4 | 14 | 21 | 57 | 61 | 71 | 72 | 58 | 49 | 26 | 12 | 11 | 38 |
| " 2.00 | 2 | 9 | 12 | 46 | 50 | 64 | 59 | 47 | 32 | 18 | 7 | 4 | 29 |
| " 3.00 | 0 | 5 | 2 | 27 | 30 | 39 | 32 | 28 | 19 | 9 | 4 | 2 | 16 |
| " 4.00 | 0 | 2 | 0 | 13 | 22 | 23 | 21 | 11 | 10 | 4 | 0 | 2 | 9 |
| " 5.00 | 0 | 0 | 0 | 7 | 11 | 14 | 14 | 7 | 4 | 2 | 0 | 0 | 5 |
| " 6.00 | 0 | 0 | 0 | 2 | 5 | 9 | 9 | 2 | 0 | 2 | 0 | 0 | 2 |
| " 8.00 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GOODLAND, SHERMAN COUNTY. — 1906-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|
| 0.25 and under | 59 | 38 | 20 | 3 | 0 | 0 | 0 | 2 | 8 | 20 | 42 | 48 | 20 |
| Over 0.25 | 41 | 62 | 80 | 97 | 100 | 100 | 100 | 98 | 92 | 80 | 58 | 52 | 80 |
| " 0.50 | 20 | 33 | 59 | 85 | 97 | 95 | 95 | 95 | 85 | 70 | 38 | 32 | 67 |
| " 0.75 | 8 | 28 | 44 | 74 | 92 | 95 | 87 | 90 | 75 | 50 | 28 | 28 | 58 |
| " 1.00 | 5 | 20 | 36 | 69 | 80 | 92 | 82 | 85 | 65 | 40 | 20 | 18 | 51 |
| " 1.50 | 0 | 8 | 23 | 59 | 59 | 80 | 69 | 80 | 78 | 22 | 10 | 12 | 39 |
| " 2.00 | 0 | 3 | 13 | 38 | 56 | 62 | 62 | 60 | 35 | 18 | 5 | 8 | 30 |
| " 3.00 | 0 | 0 | 3 | 20 | 33 | 36 | 33 | 38 | 10 | 12 | 2 | 0 | 16 |
| " 4.00 | 0 | 0 | 0 | 13 | 21 | 21 | 26 | 15 | 2 | 5 | 0 | 0 | 8 |
| " 5.00 | 0 | 0 | 0 | 5 | 8 | 10 | 13 | 8 | 0 | 0 | 0 | 0 | 3 |
| " 6.00 | 0 | 0 | 0 | 0 | 5 | 3 | 8 | 2 | 0 | 0 | 0 | 0 | 1 |
| " 8.00 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

HANOVER, WASHINGTON COUNTY. — 1893-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|----|----|-----|-----|----|----|----|----|
| 0.25 and under | 36 | 18 | 8 | 2 | 0 | 2 | 6 | 0 | 0 | 2 | 23 | 26 | 10 |
| Over 0.25 | 64 | 82 | 92 | 98 | 100 | 98 | 94 | 100 | 100 | 98 | 77 | 74 | 90 |
| " 0.50 | 40 | 74 | 84 | 96 | 100 | 96 | 90 | 96 | 98 | 92 | 63 | 53 | 82 |
| " 0.75 | 32 | 58 | 70 | 96 | 100 | 96 | 88 | 94 | 92 | 92 | 50 | 45 | 76 |
| " 1.00 | 20 | 42 | 62 | 90 | 100 | 94 | 84 | 90 | 90 | 83 | 40 | 26 | 69 |
| " 1.50 | 6 | 18 | 42 | 74 | 92 | 92 | 76 | 83 | 77 | 60 | 33 | 10 | 56 |
| " 2.00 | 0 | 10 | 26 | 58 | 76 | 86 | 71 | 75 | 63 | 44 | 23 | 8 | 45 |
| " 3.00 | 0 | 2 | 6 | 38 | 57 | 72 | 55 | 54 | 42 | 25 | 13 | 2 | 31 |
| " 4.00 | 0 | 0 | 0 | 20 | 41 | 53 | 37 | 36 | 23 | 13 | 2 | 0 | 19 |
| " 5.00 | 0 | 0 | 0 | 6 | 24 | 35 | 24 | 33 | 14 | 10 | 2 | 0 | 12 |
| " 6.00 | 0 | 0 | 0 | 4 | 18 | 22 | 16 | 21 | 8 | 6 | 2 | 0 | 8 |
| " 8.00 | 0 | 0 | 0 | 2 | 12 | 10 | 6 | 6 | 2 | 0 | 0 | 0 | 3 |
| " 10.00 | 0 | 0 | 0 | 0 | 4 | 4 | 2 | 6 | 0 | 0 | 0 | 0 | 1 |

HAYS, ELLIS COUNTY. — 1868-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|----|-----|----|----|----|----|----|----|----|
| 0.25 and under | 49 | 28 | 27 | 3 | 1 | 0 | 1 | 3 | 3 | 13 | 37 | 33 | 16 |
| Over 0.25 | 51 | 72 | 73 | 97 | 99 | 100 | 99 | 97 | 97 | 87 | 63 | 67 | 84 |
| " 0.50 | 32 | 51 | 55 | 88 | 97 | 100 | 95 | 97 | 86 | 77 | 51 | 52 | 74 |
| " 0.75 | 22 | 37 | 45 | 87 | 96 | 94 | 86 | 96 | 80 | 60 | 37 | 31 | 64 |
| " 1.00 | 17 | 27 | 36 | 76 | 94 | 88 | 85 | 88 | 72 | 54 | 33 | 26 | 58 |
| " 1.50 | 6 | 18 | 26 | 67 | 86 | 80 | 74 | 81 | 60 | 41 | 19 | 14 | 47 |
| " 2.00 | 3 | 8 | 12 | 55 | 73 | 72 | 67 | 70 | 51 | 24 | 10 | 9 | 38 |
| " 3.00 | 0 | 3 | 5 | 28 | 50 | 54 | 40 | 46 | 26 | 9 | 4 | 4 | 22 |
| " 4.00 | 0 | 1 | 3 | 14 | 22 | 37 | 30 | 27 | 15 | 4 | 0 | 0 | 12 |
| " 5.00 | 0 | 0 | 1 | 4 | 14 | 23 | 14 | 15 | 6 | 1 | 0 | 0 | 6 |
| " 6.00 | 0 | 0 | 1 | 3 | 10 | 14 | 12 | 1 | 3 | 0 | 0 | 0 | 3 |
| " 8.00 | 0 | 0 | 0 | 0 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

HORTON, BROWN COUNTY. — 1888-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 32 | 9 | 7 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 12 | 23 | 7 |
| Over 0.25 | 68 | 91 | 93 | 100 | 100 | 100 | 100 | 98 | 100 | 96 | 88 | 77 | 93 |
| " 0.50 | 61 | 75 | 90 | 100 | 100 | 100 | 95 | 97 | 98 | 93 | 79 | 70 | 88 |
| " 0.75 | 42 | 65 | 76 | 96 | 100 | 100 | 86 | 97 | 96 | 90 | 67 | 49 | 80 |
| " 1.00 | 30 | 49 | 67 | 93 | 98 | 98 | 86 | 93 | 86 | 79 | 56 | 44 | 73 |
| " 1.50 | 18 | 19 | 51 | 86 | 93 | 95 | 83 | 86 | 84 | 63 | 35 | 28 | 62 |
| " 2.00 | 7 | 9 | 33 | 70 | 82 | 92 | 69 | 76 | 81 | 47 | 26 | 14 | 51 |
| " 3.00 | 0 | 2 | 14 | 42 | 68 | 78 | 52 | 62 | 65 | 21 | 14 | 4 | 35 |
| " 4.00 | 0 | 2 | 5 | 28 | 47 | 59 | 34 | 40 | 53 | 11 | 7 | 0 | 24 |
| " 5.00 | 0 | 0 | 2 | 16 | 33 | 36 | 19 | 21 | 40 | 5 | 5 | 0 | 15 |
| " 6.00 | 0 | 0 | 0 | 5 | 28 | 29 | 14 | 16 | 14 | 2 | 4 | 0 | 9 |
| " 8.00 | 0 | 0 | 0 | 2 | 12 | 14 | 3 | 5 | 4 | 2 | 0 | 0 | 4 |
| " 10.00 | 0 | 0 | 0 | 0 | 7 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 1 |

HUTCHINSON, RENO COUNTY. — 1891-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|-----|----|----|----|----|
| 0.25 and under | 33 | 16 | 14 | 4 | 2 | 2 | 2 | 2 | 0 | 7 | 24 | 24 | 11 |
| Over 0.25 | 67 | 84 | 86 | 96 | 98 | 98 | 98 | 98 | 100 | 93 | 76 | 76 | 89 |
| " 0.50 | 53 | 67 | 78 | 95 | 98 | 98 | 95 | 95 | 100 | 85 | 66 | 60 | 82 |
| " 0.75 | 36 | 58 | 73 | 91 | 96 | 95 | 91 | 89 | 91 | 82 | 56 | 47 | 75 |
| " 1.00 | 26 | 56 | 64 | 85 | 95 | 91 | 87 | 84 | 82 | 76 | 47 | 42 | 70 |
| " 1.50 | 18 | 22 | 44 | 71 | 84 | 80 | 80 | 74 | 71 | 64 | 36 | 22 | 56 |
| " 2.00 | 6 | 13 | 27 | 56 | 82 | 75 | 71 | 64 | 62 | 45 | 27 | 14 | 45 |
| " 3.00 | 0 | 5 | 14 | 31 | 67 | 62 | 53 | 45 | 45 | 27 | 14 | 4 | 31 |
| " 4.00 | 0 | 2 | 2 | 18 | 42 | 42 | 29 | 27 | 22 | 9 | 5 | 0 | 17 |
| " 5.00 | 0 | 2 | 2 | 15 | 33 | 36 | 16 | 18 | 18 | 5 | 5 | 0 | 13 |
| " 6.00 | 0 | 2 | 0 | 5 | 20 | 27 | 13 | 9 | 13 | 4 | 2 | 0 | 8 |
| " 8.00 | 0 | 0 | 0 | 2 | 9 | 11 | 4 | 5 | 4 | 0 | 0 | 0 | 3 |
| " 10.00 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |

INDEPENDENCE, MONTGOMERY COUNTY. — 1872-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| 0.25 and under | 7 | 8 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 3 | 7 | 1 | 3 |
| Over 0.25 | 93 | 92 | 100 | 100 | 100 | 100 | 99 | 97 | 99 | 97 | 93 | 99 | 97 |
| " 0.50 | 84 | 82 | 95 | 100 | 100 | 100 | 97 | 93 | 94 | 93 | 93 | 88 | 93 |
| " 0.75 | 73 | 76 | 89 | 100 | 100 | 97 | 96 | 82 | 92 | 90 | 88 | 74 | 88 |
| " 1.00 | 58 | 65 | 81 | 100 | 97 | 97 | 93 | 77 | 88 | 85 | 80 | 60 | 82 |
| " 1.50 | 43 | 44 | 70 | 95 | 92 | 95 | 85 | 76 | 80 | 70 | 51 | 47 | 71 |
| " 2.00 | 27 | 28 | 53 | 88 | 88 | 88 | 81 | 70 | 72 | 58 | 46 | 34 | 61 |
| " 3.00 | 8 | 12 | 26 | 58 | 74 | 74 | 57 | 54 | 59 | 38 | 22 | 19 | 42 |
| " 4.00 | 3 | 7 | 15 | 43 | 58 | 60 | 35 | 31 | 43 | 31 | 10 | 4 | 28 |
| " 5.00 | 1 | 6 | 8 | 20 | 39 | 47 | 26 | 19 | 36 | 16 | 4 | 3 | 19 |
| " 6.00 | 0 | 1 | 3 | 15 | 27 | 30 | 14 | 8 | 28 | 12 | 3 | 1 | 12 |
| " 8.00 | 0 | 0 | 0 | 5 | 8 | 18 | 7 | 0 | 14 | 3 | 1 | 1 | 5 |
| " 10.00 | 0 | 0 | 0 | 0 | 4 | 7 | 3 | 0 | 3 | 3 | 0 | 0 | 2 |

IOLA, ALLEN COUNTY. — 1905-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|-----|-----|-----|----|----|-----|-----|----|----|----|
| 0.25 and under | 8 | 12 | 5 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 12 | 7 | 4 |
| Over 0.25 | 92 | 88 | 95 | 100 | 100 | 100 | 98 | 98 | 100 | 100 | 88 | 93 | 96 |
| " 0.50 | 82 | 78 | 92 | 98 | 100 | 98 | 95 | 98 | 98 | 100 | 80 | 85 | 92 |
| " 0.75 | 70 | 72 | 88 | 98 | 100 | 95 | 88 | 92 | 98 | 95 | 80 | 66 | 87 |
| " 1.00 | 55 | 60 | 88 | 98 | 100 | 90 | 80 | 88 | 98 | 85 | 78 | 49 | 81 |
| " 1.50 | 28 | 30 | 78 | 92 | 100 | 90 | 80 | 80 | 80 | 73 | 61 | 37 | 69 |
| " 2.00 | 15 | 22 | 52 | 90 | 95 | 88 | 75 | 70 | 73 | 61 | 49 | 24 | 60 |
| " 3.00 | 8 | 8 | 30 | 62 | 80 | 82 | 45 | 60 | 66 | 39 | 27 | 7 | 43 |
| " 4.00 | 8 | 5 | 18 | 42 | 68 | 70 | 35 | 30 | 56 | 32 | 15 | 0 | 31 |
| " 5.00 | 5 | 0 | 10 | 25 | 38 | 58 | 18 | 28 | 42 | 20 | 12 | 0 | 21 |
| " 6.00 | 2 | 0 | 2 | 18 | 15 | 40 | 5 | 20 | 34 | 12 | 10 | 0 | 13 |
| " 8.00 | 0 | 0 | 0 | 5 | 12 | 15 | 0 | 5 | 17 | 2 | 5 | 0 | 5 |
| " 10.00 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 0 | 7 | 0 | 0 | 0 | 1 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

KANSAS CITY, MISSOURI. — 1888-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 10 | 4 | 4 | 0 | 0 | 0 | 0 | 3 | 5 | 5 | 9 | 9 | 4 |
| Over 0.25 | 90 | 96 | 96 | 100 | 100 | 100 | 100 | 97 | 95 | 95 | 91 | 91 | 96 |
| " 0.50 | 70 | 93 | 93 | 100 | 100 | 98 | 97 | 93 | 93 | 91 | 86 | 81 | 91 |
| " 0.75 | 58 | 79 | 88 | 100 | 96 | 96 | 93 | 93 | 91 | 86 | 83 | 69 | 86 |
| " 1.00 | 49 | 58 | 82 | 100 | 96 | 96 | 92 | 90 | 91 | 76 | 78 | 59 | 81 |
| " 1.50 | 26 | 46 | 67 | 93 | 93 | 89 | 81 | 88 | 83 | 67 | 57 | 38 | 69 |
| " 2.00 | 21 | 25 | 58 | 79 | 90 | 82 | 74 | 81 | 72 | 55 | 41 | 19 | 58 |
| " 3.00 | 11 | 9 | 33 | 44 | 77 | 72 | 54 | 69 | 62 | 34 | 15 | 5 | 40 |
| " 4.00 | 7 | 4 | 19 | 30 | 58 | 56 | 33 | 45 | 54 | 24 | 7 | 2 | 28 |
| " 5.00 | 2 | 2 | 7 | 12 | 46 | 49 | 21 | 29 | 34 | 12 | 5 | 2 | 18 |
| " 6.00 | 0 | 2 | 0 | 9 | 25 | 35 | 17 | 22 | 24 | 5 | 3 | 0 | 12 |
| " 8.00 | 0 | 0 | 0 | 2 | 11 | 9 | 7 | 7 | 5 | 3 | 3 | 0 | 4 |
| " 10.00 | 0 | 0 | 0 | 2 | 5 | 2 | 0 | 0 | 3 | 2 | 0 | 0 | 1 |

LARNED, PAWNEE COUNTY. — 1860-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|----|----|-----|----|----|----|----|----|
| 0.25 and under | 52 | 29 | 36 | 8 | 0 | 2 | 2 | 0 | 2 | 16 | 42 | 33 | 18 |
| Over 0.25 | 48 | 71 | 64 | 92 | 100 | 98 | 98 | 100 | 98 | 84 | 58 | 67 | 82 |
| " 0.50 | 33 | 48 | 56 | 87 | 98 | 95 | 93 | 98 | 98 | 75 | 52 | 44 | 73 |
| " 0.75 | 17 | 39 | 48 | 78 | 97 | 94 | 88 | 88 | 92 | 56 | 43 | 33 | 64 |
| " 1.00 | 8 | 29 | 38 | 77 | 90 | 94 | 88 | 87 | 88 | 44 | 38 | 20 | 58 |
| " 1.50 | 3 | 17 | 20 | 63 | 85 | 75 | 78 | 75 | 72 | 36 | 27 | 11 | 47 |
| " 2.00 | 0 | 7 | 13 | 48 | 72 | 72 | 65 | 57 | 52 | 23 | 18 | 6 | 36 |
| " 3.00 | 0 | 2 | 8 | 22 | 47 | 56 | 48 | 42 | 23 | 16 | 7 | 5 | 22 |
| " 4.00 | 0 | 2 | 0 | 12 | 38 | 43 | 33 | 38 | 17 | 8 | 3 | 0 | 15 |
| " 5.00 | 0 | 0 | 0 | 3 | 17 | 30 | 18 | 18 | 7 | 5 | 2 | 0 | 8 |
| " 6.00 | 0 | 0 | 0 | 0 | 10 | 14 | 7 | 8 | 2 | 0 | 0 | 0 | 4 |
| " 8.00 | 0 | 0 | 0 | 0 | 5 | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 1 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

LIBERAL, SEWARD COUNTY. — 1892-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|----|----|-----|-----|----|----|----|----|----|
| 0.25 and under | 55 | 38 | 36 | 12 | 5 | 2 | 0 | 0 | 12 | 12 | 43 | 43 | 21 |
| Over 0.25 | 45 | 62 | 64 | 88 | 95 | 98 | 100 | 100 | 88 | 88 | 57 | 57 | 79 |
| " 0.50 | 19 | 48 | 52 | 81 | 93 | 95 | 93 | 95 | 83 | 67 | 36 | 45 | 67 |
| " 0.75 | 10 | 36 | 48 | 74 | 88 | 93 | 86 | 86 | 74 | 55 | 31 | 28 | 59 |
| " 1.00 | 7 | 26 | 36 | 64 | 81 | 88 | 81 | 83 | 67 | 52 | 26 | 19 | 53 |
| " 1.50 | 2 | 17 | 19 | 41 | 64 | 69 | 74 | 57 | 48 | 36 | 19 | 10 | 38 |
| " 2.00 | 0 | 7 | 10 | 24 | 57 | 62 | 62 | 43 | 36 | 22 | 7 | 10 | 28 |
| " 3.00 | 0 | 2 | 2 | 7 | 40 | 40 | 43 | 31 | 14 | 14 | 5 | 2 | 17 |
| " 4.00 | 0 | 0 | 0 | 7 | 22 | 21 | 17 | 19 | 12 | 10 | 2 | 0 | 9 |
| " 5.00 | 0 | 0 | 0 | 5 | 17 | 10 | 7 | 14 | 2 | 7 | 0 | 0 | 5 |
| " 6.00 | 0 | 0 | 0 | 2 | 10 | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 2 |
| " 8.00 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

MC PHERSON, MC PHERSON COUNTY. — 1876-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|-----|----|-----|----|----|----|----|----|----|----|
| 0.25 and under | 24 | 12 | 8 | 0 | 2 | 0 | 2 | 2 | 2 | 5 | 28 | 24 | 9 |
| Over 0.25 | 76 | 88 | 92 | 100 | 98 | 100 | 98 | 98 | 98 | 95 | 72 | 76 | 91 |
| " 0.50 | 53 | 71 | 85 | 98 | 98 | 100 | 93 | 77 | 97 | 93 | 69 | 64 | 85 |
| " 0.75 | 42 | 56 | 71 | 88 | 98 | 95 | 86 | 88 | 95 | 86 | 57 | 52 | 76 |
| " 1.00 | 36 | 49 | 58 | 85 | 98 | 92 | 53 | 88 | 92 | 80 | 50 | 36 | 70 |
| " 1.50 | 14 | 26 | 44 | 68 | 93 | 85 | 76 | 78 | 83 | 66 | 34 | 22 | 58 |
| " 2.00 | 5 | 19 | 29 | 59 | 86 | 81 | 70 | 71 | 66 | 52 | 26 | 14 | 48 |
| " 3.00 | 0 | 7 | 8 | 37 | 63 | 71 | 46 | 46 | 48 | 34 | 10 | 2 | 31 |
| " 4.00 | 0 | 2 | 3 | 19 | 47 | 58 | 24 | 32 | 31 | 17 | 3 | 2 | 20 |
| " 5.00 | 0 | 2 | 2 | 10 | 36 | 44 | 15 | 15 | 15 | 7 | 2 | 0 | 12 |
| " 6.00 | 0 | 2 | 0 | 8 | 24 | 27 | 12 | 10 | 8 | 3 | 2 | 0 | 8 |
| " 8.00 | 0 | 0 | 0 | 2 | 8 | 12 | 3 | 2 | 2 | 0 | 0 | 0 | 2 |
| " 10.00 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 1 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

MANHATTAN, RILEY COUNTY. — 1858-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 25 | 15 | 12 | 1 | 0 | 1 | 3 | 3 | 0 | 1 | 18 | 12 | 8 |
| Over 0.25 | 75 | 85 | 88 | 99 | 100 | 99 | 97 | 97 | 100 | 99 | 82 | 88 | 92 |
| " 0.50 | 57 | 70 | 80 | 98 | 100 | 98 | 96 | 94 | 99 | 94 | 72 | 64 | 85 |
| " 0.75 | 36 | 61 | 68 | 93 | 100 | 96 | 93 | 91 | 96 | 85 | 65 | 45 | 77 |
| " 1.00 | 27 | 48 | 58 | 90 | 99 | 94 | 91 | 84 | 92 | 78 | 57 | 39 | 71 |
| " 1.50 | 14 | 25 | 41 | 74 | 93 | 92 | 88 | 80 | 83 | 65 | 40 | 16 | 59 |
| " 2.00 | 7 | 14 | 28 | 57 | 83 | 82 | 81 | 69 | 72 | 51 | 24 | 11 | 48 |
| " 3.00 | 0 | 2 | 10 | 33 | 65 | 72 | 67 | 49 | 57 | 17 | 10 | 1 | 32 |
| " 4.00 | 0 | 2 | 6 | 23 | 47 | 56 | 52 | 41 | 42 | 12 | 6 | 0 | 24 |
| " 5.00 | 0 | 1 | 2 | 10 | 35 | 40 | 33 | 31 | 20 | 7 | 6 | 0 | 15 |
| " 6.00 | 0 | 0 | 1 | 6 | 23 | 31 | 24 | 23 | 10 | 3 | 2 | 0 | 10 |
| " 8.00 | 0 | 0 | 0 | 2 | 8 | 8 | 7 | 11 | 2 | 2 | 0 | 0 | 3 |
| " 10.00 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 7 | 0 | 1 | 0 | 0 | 1 |

OBERLIN, DECATUR COUNTY. — 1867-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|----|----|----|----|----|----|----|----|
| 0.25 and under | 52 | 36 | 25 | 2 | 0 | 2 | 2 | 5 | 15 | 15 | 41 | 42 | 19 |
| Over 0.25 | 48 | 64 | 75 | 98 | 100 | 98 | 98 | 95 | 85 | 85 | 59 | 58 | 81 |
| " 0.50 | 22 | 48 | 61 | 93 | 98 | 98 | 93 | 88 | 61 | 61 | 42 | 34 | 70 |
| " 0.75 | 15 | 32 | 56 | 83 | 92 | 92 | 90 | 80 | 54 | 54 | 30 | 24 | 62 |
| " 1.00 | 2 | 20 | 41 | 75 | 85 | 86 | 83 | 74 | 42 | 42 | 26 | 19 | 53 |
| " 1.50 | 2 | 12 | 17 | 66 | 69 | 80 | 73 | 56 | 29 | 29 | 12 | 8 | 42 |
| " 2.00 | 0 | 3 | 10 | 54 | 51 | 75 | 63 | 34 | 17 | 17 | 10 | 5 | 32 |
| " 3.00 | 0 | 0 | 7 | 37 | 39 | 42 | 44 | 10 | 7 | 7 | 2 | 2 | 19 |
| " 4.00 | 0 | 0 | 2 | 19 | 25 | 29 | 29 | 8 | 3 | 3 | 0 | 2 | 12 |
| " 5.00 | 0 | 0 | 2 | 8 | 15 | 17 | 22 | 5 | 2 | 2 | 0 | 2 | 7 |
| " 6.00 | 0 | 0 | 2 | 7 | 7 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 3 |
| " 8.00 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

OTTAWA, FRANKLIN COUNTY. — 1895-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|-----|-----|-----|----|-----|----|----|----|----|----|
| 0.25 and under | 14 | 8 | 4 | 0 | 0 | 0 | 6 | 0 | 2 | 4 | 14 | 6 | 5 |
| Over 0.25 | 86 | 92 | 96 | 100 | 100 | 100 | 94 | 100 | 98 | 96 | 86 | 94 | 95 |
| " 0.50 | 76 | 80 | 96 | 100 | 100 | 96 | 94 | 98 | 96 | 92 | 80 | 84 | 91 |
| " 0.75 | 52 | 72 | 88 | 100 | 100 | 96 | 94 | 94 | 96 | 82 | 78 | 63 | 85 |
| " 1.00 | 46 | 56 | 82 | 100 | 100 | 94 | 90 | 88 | 96 | 76 | 65 | 51 | 79 |
| " 1.50 | 28 | 34 | 66 | 86 | 98 | 92 | 86 | 84 | 90 | 67 | 45 | 39 | 68 |
| " 2.00 | 16 | 14 | 64 | 72 | 94 | 84 | 67 | 80 | 78 | 57 | 35 | 22 | 57 |
| " 3.00 | 6 | 6 | 20 | 54 | 80 | 76 | 51 | 61 | 61 | 33 | 20 | 6 | 40 |
| " 4.00 | 4 | 2 | 10 | 20 | 60 | 67 | 31 | 49 | 47 | 22 | 12 | 2 | 27 |
| " 5.00 | 2 | 0 | 4 | 12 | 36 | 49 | 24 | 35 | 33 | 12 | 6 | 0 | 18 |
| " 6.00 | 0 | 0 | 0 | 8 | 32 | 28 | 16 | 26 | 18 | 10 | 4 | 0 | 12 |
| " 8.00 | 0 | 0 | 0 | 6 | 12 | 14 | 10 | 6 | 8 | 2 | 4 | 0 | 5 |
| " 10.00 | 0 | 0 | 0 | 2 | 6 | 10 | 4 | 0 | 6 | 2 | 2 | 0 | 3 |

NORTON, NORTON COUNTY. — 1890-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|----|-----|----|----|----|----|----|----|
| 0.25 and under | 52 | 36 | 29 | 4 | 0 | 4 | 0 | 2 | 8 | 21 | 42 | 44 | 20 |
| Over 0.25 | 48 | 64 | 71 | 96 | 100 | 96 | 100 | 98 | 92 | 79 | 58 | 56 | 80 |
| " 0.50 | 23 | 44 | 50 | 87 | 98 | 94 | 98 | 92 | 81 | 67 | 50 | 36 | 68 |
| " 0.75 | 12 | 31 | 40 | 85 | 90 | 94 | 92 | 86 | 77 | 52 | 38 | 27 | 60 |
| " 1.00 | 8 | 27 | 36 | 77 | 84 | 87 | 88 | 85 | 71 | 42 | 35 | 17 | 55 |
| " 1.50 | 2 | 10 | 27 | 67 | 81 | 79 | 75 | 69 | 54 | 27 | 19 | 4 | 43 |
| " 2.00 | 0 | 6 | 15 | 60 | 65 | 69 | 58 | 48 | 29 | 21 | 6 | 4 | 32 |
| " 3.00 | 0 | 0 | 8 | 40 | 38 | 54 | 35 | 35 | 13 | 15 | 2 | 2 | 20 |
| " 4.00 | 0 | 0 | 4 | 19 | 27 | 33 | 21 | 13 | 6 | 8 | 0 | 2 | 11 |
| " 5.00 | 0 | 0 | 0 | 10 | 17 | 19 | 15 | 11 | 6 | 0 | 0 | 0 | 6 |
| " 6.00 | 0 | 0 | 0 | 4 | 6 | 12 | 13 | 0 | 4 | 0 | 0 | 0 | 3 |
| " 8.00 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 0 | 2 | 0 | 0 | 0 | 1 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

PRATT, PRATT COUNTY. — 1896-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 38 | 34 | 18 | 4 | 0 | 4 | 6 | 4 | 2 | 6 | 28 | 32 | 15 |
| Over 0.25 | 62 | 66 | 82 | 96 | 100 | 96 | 94 | 96 | 98 | 94 | 72 | 68 | 85 |
| " 0.50 | 48 | 56 | 66 | 94 | 98 | 96 | 90 | 90 | 94 | 86 | 54 | 44 | 76 |
| " 0.75 | 38 | 42 | 58 | 92 | 98 | 90 | 88 | 88 | 92 | 80 | 46 | 28 | 70 |
| " 1.00 | 24 | 32 | 44 | 86 | 94 | 90 | 80 | 80 | 90 | 72 | 44 | 24 | 63 |
| " 1.50 | 8 | 18 | 28 | 72 | 74 | 76 | 68 | 70 | 82 | 54 | 36 | 18 | 50 |
| " 2.00 | 4 | 8 | 18 | 56 | 62 | 70 | 58 | 54 | 62 | 30 | 20 | 10 | 38 |
| " 3.00 | 0 | 2 | 6 | 28 | 50 | 52 | 40 | 36 | 28 | 20 | 10 | 2 | 23 |
| " 4.00 | 0 | 2 | 2 | 16 | 40 | 36 | 20 | 22 | 14 | 14 | 6 | 0 | 14 |
| " 5.00 | 0 | 2 | 2 | 8 | 20 | 18 | 14 | 14 | 10 | 6 | 2 | 0 | 8 |
| " 6.00 | 0 | 0 | 0 | 4 | 14 | 12 | 6 | 8 | 6 | 6 | 2 | 0 | 5 |
| " 8.00 | 0 | 0 | 0 | 0 | 8 | 4 | 2 | 0 | 2 | 2 | 0 | 0 | 2 |
| " 10.00 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ST. FRANCIS, CHEYENNE COUNTY. — 1908-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|----|-----|----|----|----|----|----|----|
| 0.25 and under | 60 | 37 | 21 | 3 | 0 | 5 | 0 | 3 | 5 | 24 | 45 | 40 | 20 |
| Over 0.25 | 40 | 63 | 79 | 97 | 100 | 95 | 100 | 97 | 95 | 76 | 55 | 60 | 80 |
| " 0.50 | 21 | 34 | 66 | 90 | 97 | 89 | 95 | 90 | 84 | 63 | 34 | 34 | 66 |
| " 0.75 | 11 | 26 | 42 | 79 | 95 | 87 | 89 | 87 | 74 | 58 | 26 | 24 | 58 |
| " 1.00 | 3 | 8 | 29 | 79 | 90 | 84 | 87 | 79 | 68 | 47 | 18 | 18 | 51 |
| " 1.50 | 3 | 0 | 18 | 68 | 82 | 76 | 82 | 76 | 55 | 32 | 10 | 10 | 43 |
| " 2.00 | 0 | 0 | 5 | 42 | 60 | 66 | 71 | 63 | 42 | 21 | 3 | 5 | 32 |
| " 3.00 | 0 | 0 | 0 | 24 | 26 | 45 | 42 | 40 | 16 | 13 | 0 | 3 | 17 |
| " 4.00 | 0 | 0 | 0 | 18 | 24 | 34 | 32 | 16 | 8 | 8 | 0 | 0 | 12 |
| " 5.00 | 0 | 0 | 0 | 3 | 13 | 16 | 18 | 3 | 3 | 0 | 0 | 0 | 4 |
| " 6.00 | 0 | 0 | 0 | 0 | 8 | 8 | 5 | 3 | 0 | 0 | 0 | 0 | 2 |
| " 8.00 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |

ST. JOSEPH, MISSOURI. — 1910-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|-----|-----|-----|----|-----|-----|----|----|----|----|
| 0.25 and under | 11 | 8 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 14 | 14 | 5 |
| Over 0.25 | 89 | 92 | 94 | 100 | 100 | 100 | 97 | 100 | 100 | 97 | 86 | 86 | 95 |
| " 0.50 | 67 | 72 | 89 | 100 | 100 | 97 | 94 | 97 | 97 | 92 | 80 | 72 | 88 |
| " 0.75 | 44 | 70 | 86 | 97 | 97 | 97 | 94 | 97 | 97 | 86 | 67 | 58 | 83 |
| " 1.00 | 36 | 53 | 75 | 97 | 94 | 97 | 89 | 97 | 89 | 78 | 61 | 47 | 76 |
| " 1.50 | 25 | 36 | 61 | 94 | 92 | 92 | 72 | 92 | 86 | 69 | 47 | 33 | 67 |
| " 2.00 | 17 | 14 | 44 | 80 | 89 | 86 | 64 | 78 | 80 | 53 | 36 | 22 | 55 |
| " 3.00 | 3 | 3 | 22 | 44 | 75 | 78 | 36 | 64 | 73 | 33 | 17 | 6 | 38 |
| " 4.00 | 0 | 3 | 14 | 22 | 50 | 64 | 19 | 47 | 58 | 17 | 11 | 3 | 26 |
| " 5.00 | 0 | 3 | 6 | 17 | 28 | 50 | 6 | 20 | 44 | 8 | 8 | 0 | 16 |
| " 6.00 | 0 | 3 | 0 | 11 | 22 | 36 | 6 | 8 | 28 | 6 | 6 | 0 | 10 |
| " 8.00 | 0 | 0 | 0 | 3 | 3 | 17 | 3 | 3 | 11 | 0 | 3 | 0 | 4 |
| " 10.00 | 0 | 0 | 0 | 3 | 0 | 14 | 3 | 3 | 0 | 0 | 0 | 0 | 2 |

SALINA, SALINE COUNTY. — 1883-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|-----|-----|----|----|-----|----|----|----|----|
| 0.25 and under | 33 | 14 | 11 | 3 | 0 | 0 | 5 | 5 | 0 | 8 | 25 | 29 | 11 |
| Over 0.25 | 67 | 86 | 89 | 97 | 100 | 100 | 95 | 95 | 100 | 92 | 75 | 71 | 89 |
| " 0.50 | 43 | 64 | 76 | 92 | 100 | 98 | 89 | 94 | 97 | 86 | 64 | 57 | 80 |
| " 0.75 | 33 | 51 | 67 | 90 | 100 | 97 | 87 | 89 | 94 | 84 | 52 | 43 | 74 |
| " 1.00 | 27 | 40 | 57 | 84 | 98 | 95 | 84 | 86 | 84 | 78 | 38 | 25 | 66 |
| " 1.50 | 14 | 24 | 35 | 71 | 92 | 87 | 75 | 79 | 70 | 54 | 29 | 16 | 54 |
| " 2.00 | 2 | 13 | 25 | 60 | 79 | 81 | 67 | 71 | 59 | 37 | 22 | 10 | 44 |
| " 3.00 | 0 | 2 | 8 | 33 | 57 | 59 | 46 | 54 | 38 | 19 | 10 | 2 | 27 |
| " 4.00 | 0 | 2 | 0 | 13 | 33 | 46 | 26 | 30 | 21 | 8 | 5 | 0 | 15 |
| " 5.00 | 0 | 0 | 0 | 6 | 25 | 38 | 18 | 18 | 11 | 3 | 2 | 0 | 10 |
| " 6.00 | 0 | 0 | 0 | 3 | 16 | 25 | 13 | 14 | 3 | 3 | 0 | 0 | 6 |
| " 8.00 | 0 | 0 | 0 | 0 | 5 | 10 | 3 | 2 | 2 | 2 | 0 | 0 | 2 |
| " 10.00 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

SCOTT CITY, SCOTT COUNTY. — 1889-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 60 | 26 | 22 | 4 | 0 | 2 | 0 | 2 | 10 | 18 | 33 | 37 | 18 |
| Over 0.25 | 40 | 74 | 78 | 96 | 100 | 98 | 100 | 98 | 90 | 82 | 67 | 63 | 82 |
| " 0.50 | 32 | 46 | 62 | 90 | 96 | 94 | 92 | 88 | 82 | 71 | 41 | 37 | 69 |
| " 0.75 | 20 | 30 | 40 | 82 | 90 | 92 | 90 | 84 | 76 | 61 | 33 | 27 | 61 |
| " 1.00 | 14 | 22 | 32 | 74 | 82 | 88 | 88 | 74 | 65 | 49 | 24 | 20 | 53 |
| " 1.50 | 2 | 16 | 22 | 60 | 78 | 70 | 74 | 59 | 45 | 30 | 10 | 8 | 40 |
| " 2.00 | 2 | 10 | 12 | 50 | 60 | 64 | 57 | 43 | 26 | 18 | 8 | 6 | 30 |
| " 3.00 | 0 | 2 | 4 | 20 | 32 | 46 | 31 | 26 | 10 | 8 | 2 | 2 | 15 |
| " 4.00 | 0 | 0 | 2 | 10 | 22 | 32 | 12 | 14 | 4 | 4 | 0 | 2 | 8 |
| " 5.00 | 0 | 0 | 2 | 4 | 16 | 16 | 10 | 12 | 2 | 4 | 0 | 2 | 6 |
| " 6.00 | 0 | 0 | 2 | 2 | 8 | 10 | 10 | 8 | 0 | 2 | 0 | 2 | 4 |
| " 8.00 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 0 | 2 | 0 | 0 | 1 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |

SYRACUSE, HAMILTON COUNTY. — 1894-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|----|----|-----|----|----|----|----|----|----|
| 0.25 and under | 62 | 34 | 32 | 8 | 4 | 2 | 0 | 4 | 12 | 22 | 46 | 44 | 22 |
| Over 0.25 | 38 | 66 | 68 | 92 | 96 | 98 | 100 | 96 | 88 | 78 | 54 | 56 | 78 |
| " 0.50 | 20 | 38 | 48 | 82 | 90 | 98 | 96 | 90 | 74 | 54 | 40 | 32 | 64 |
| " 0.75 | 18 | 24 | 36 | 70 | 88 | 88 | 92 | 82 | 66 | 50 | 28 | 20 | 55 |
| " 1.00 | 10 | 12 | 24 | 58 | 78 | 84 | 80 | 76 | 60 | 38 | 24 | 14 | 46 |
| " 1.50 | 8 | 8 | 12 | 48 | 62 | 62 | 72 | 70 | 52 | 28 | 12 | 4 | 36 |
| " 2.00 | 0 | 2 | 8 | 30 | 50 | 52 | 56 | 52 | 30 | 18 | 2 | 2 | 25 |
| " 3.00 | 0 | 0 | 2 | 16 | 36 | 30 | 26 | 28 | 12 | 8 | 0 | 0 | 13 |
| " 4.00 | 0 | 0 | 2 | 8 | 16 | 18 | 16 | 2 | 2 | 0 | 0 | 0 | 7 |
| " 5.00 | 0 | 0 | 2 | 6 | 10 | 4 | 12 | 8 | 2 | 0 | 0 | 0 | 4 |
| " 6.00 | 0 | 0 | 0 | 4 | 2 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 1 |
| " 8.00 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TOPEKA, SHAWNEE COUNTY. — 1878-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|-----|-----|-----|----|-----|----|----|----|----|----|
| 0.25 and under | 19 | 7 | 4 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 10 | 15 | 5 |
| Over 0.25 | 81 | 93 | 96 | 100 | 100 | 100 | 97 | 100 | 98 | 97 | 90 | 85 | 95 |
| " 0.50 | 65 | 82 | 93 | 100 | 100 | 100 | 94 | 97 | 94 | 91 | 84 | 68 | 89 |
| " 0.75 | 43 | 68 | 84 | 98 | 98 | 97 | 93 | 91 | 91 | 85 | 68 | 59 | 81 |
| " 1.00 | 35 | 57 | 78 | 94 | 96 | 96 | 91 | 85 | 87 | 76 | 59 | 44 | 75 |
| " 1.50 | 21 | 35 | 56 | 84 | 94 | 93 | 84 | 85 | 81 | 63 | 37 | 25 | 63 |
| " 2.00 | 13 | 19 | 44 | 74 | 87 | 87 | 76 | 79 | 74 | 57 | 28 | 13 | 54 |
| " 3.00 | 3 | 7 | 20 | 43 | 69 | 68 | 53 | 60 | 59 | 30 | 10 | 3 | 35 |
| " 4.00 | 0 | 2 | 12 | 24 | 48 | 50 | 35 | 44 | 44 | 15 | 7 | 2 | 24 |
| " 5.00 | 0 | 2 | 3 | 12 | 32 | 38 | 25 | 34 | 25 | 9 | 6 | 2 | 16 |
| " 6.00 | 0 | 0 | 0 | 3 | 25 | 19 | 21 | 26 | 15 | 6 | 4 | 0 | 10 |
| " 8.00 | 0 | 0 | 0 | 3 | 10 | 12 | 7 | 4 | 3 | 2 | 0 | 0 | 3 |
| " 10.00 | 0 | 0 | 0 | 0 | 4 | 3 | 2 | 2 | 2 | 2 | 0 | 0 | 1 |

TRIBUNE, GREELEY COUNTY. — 1888-1945, incl.

| | | | | | | | | | | | | | |
|----------------|----|----|----|----|----|-----|-----|----|----|----|----|----|----|
| 0.25 and under | 64 | 40 | 32 | 6 | 6 | 0 | 0 | 6 | 21 | 28 | 49 | 53 | 26 |
| Over 0.25 | 36 | 60 | 68 | 94 | 94 | 100 | 100 | 94 | 79 | 72 | 51 | 47 | 74 |
| " 0.50 | 23 | 34 | 51 | 85 | 89 | 100 | 100 | 83 | 74 | 53 | 32 | 34 | 63 |
| " 0.75 | 15 | 19 | 43 | 70 | 87 | 87 | 85 | 81 | 60 | 38 | 17 | 30 | 53 |
| " 1.00 | 13 | 11 | 30 | 60 | 83 | 85 | 74 | 70 | 57 | 28 | 11 | 15 | 45 |
| " 1.50 | 2 | 4 | 19 | 49 | 64 | 68 | 64 | 55 | 38 | 17 | 4 | 4 | 33 |
| " 2.00 | 0 | 2 | 11 | 34 | 51 | 55 | 53 | 45 | 21 | 13 | 4 | 2 | 24 |
| " 3.00 | 0 | 0 | 4 | 17 | 26 | 32 | 30 | 17 | 6 | 6 | 0 | 0 | 12 |
| " 4.00 | 0 | 0 | 4 | 13 | 15 | 19 | 17 | 8 | 0 | 4 | 0 | 0 | 7 |
| " 5.00 | 0 | 0 | 2 | 4 | 8 | 19 | 6 | 6 | 0 | 2 | 1 | 1 | 4 |
| " 6.00 | 0 | 0 | 0 | 4 | 2 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 2 |
| " 8.00 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

ULYSSES, GRANT COUNTY. — 1891-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 58 | 38 | 40 | 13 | 4 | 2 | 0 | 7 | 11 | 22 | 49 | 47 | 24 |
| Over 0.25 | 42 | 62 | 60 | 87 | 93 | 98 | 100 | 93 | 89 | 78 | 51 | 53 | 76 |
| " 0.50 | 31 | 36 | 51 | 86 | 91 | 96 | 89 | 89 | 80 | 60 | 36 | 36 | 65 |
| " 0.75 | 9 | 24 | 34 | 71 | 89 | 93 | 86 | 84 | 67 | 44 | 27 | 22 | 54 |
| " 1.00 | 6 | 16 | 20 | 65 | 78 | 87 | 75 | 69 | 58 | 33 | 20 | 16 | 45 |
| " 1.50 | 0 | 9 | 7 | 33 | 56 | 78 | 66 | 58 | 42 | 22 | 7 | 5 | 32 |
| " 2.00 | 0 | 4 | 4 | 22 | 44 | 66 | 51 | 44 | 33 | 16 | 6 | 2 | 24 |
| " 3.00 | 0 | 2 | 0 | 11 | 33 | 35 | 31 | 31 | 16 | 4 | 0 | 0 | 14 |
| " 4.00 | 0 | 0 | 0 | 7 | 18 | 18 | 15 | 18 | 5 | 4 | 0 | 0 | 7 |
| " 5.00 | 0 | 0 | 0 | 5 | 13 | 13 | 9 | 9 | 4 | 2 | 0 | 0 | 5 |
| " 6.00 | 0 | 0 | 0 | 2 | 11 | 6 | 7 | 0 | 0 | 2 | 0 | 0 | 2 |
| " 8.00 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

VALLEY FALLS, JEFFERSON COUNTY. — 1899-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 26 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 13 | 15 | 6 |
| Over 0.25 | 74 | 92 | 96 | 100 | 100 | 100 | 100 | 100 | 98 | 98 | 87 | 85 | 94 |
| " 0.50 | 60 | 79 | 85 | 100 | 100 | 100 | 96 | 100 | 98 | 96 | 81 | 68 | 88 |
| " 0.75 | 36 | 62 | 74 | 96 | 100 | 98 | 96 | 100 | 94 | 83 | 66 | 53 | 80 |
| " 1.00 | 30 | 47 | 72 | 91 | 96 | 98 | 83 | 96 | 94 | 74 | 60 | 43 | 74 |
| " 1.50 | 13 | 23 | 51 | 85 | 87 | 89 | 76 | 96 | 89 | 60 | 42 | 30 | 62 |
| " 2.00 | 8 | 13 | 38 | 68 | 81 | 83 | 66 | 87 | 85 | 42 | 38 | 19 | 52 |
| " 3.00 | 2 | 4 | 15 | 42 | 66 | 77 | 53 | 64 | 64 | 23 | 17 | 6 | 36 |
| " 4.00 | 2 | 2 | 8 | 24 | 45 | 51 | 28 | 45 | 47 | 19 | 11 | 4 | 24 |
| " 5.00 | 0 | 0 | 2 | 11 | 36 | 36 | 19 | 32 | 34 | 8 | 8 | 0 | 16 |
| " 6.00 | 0 | 0 | 0 | 6 | 21 | 26 | 11 | 21 | 21 | 2 | 2 | 0 | 9 |
| " 8.00 | 0 | 0 | 0 | 2 | 13 | 13 | 4 | 6 | 9 | 2 | 2 | 0 | 4 |
| " 10.00 | 0 | 0 | 0 | 0 | 2 | 6 | 4 | 4 | 4 | 2 | 0 | 0 | 2 |

WAKEENEY, TREGO COUNTY. — 1883-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 52 | 27 | 29 | 3 | 0 | 2 | 3 | 2 | 6 | 13 | 43 | 36 | 18 |
| Over 0.25 | 48 | 73 | 71 | 97 | 100 | 98 | 97 | 98 | 94 | 87 | 57 | 64 | 82 |
| " 0.50 | 29 | 51 | 56 | 90 | 100 | 95 | 97 | 95 | 89 | 67 | 43 | 48 | 72 |
| " 0.75 | 16 | 36 | 40 | 79 | 97 | 95 | 92 | 89 | 79 | 56 | 36 | 25 | 62 |
| " 1.00 | 14 | 24 | 32 | 73 | 90 | 92 | 90 | 83 | 65 | 48 | 29 | 19 | 55 |
| " 1.50 | 3 | 16 | 19 | 65 | 78 | 84 | 82 | 70 | 54 | 32 | 14 | 6 | 44 |
| " 2.00 | 2 | 6 | 13 | 54 | 60 | 71 | 70 | 59 | 40 | 21 | 6 | 3 | 34 |
| " 3.00 | 0 | 0 | 3 | 29 | 40 | 52 | 43 | 33 | 24 | 10 | 2 | 3 | 20 |
| " 4.00 | 0 | 0 | 0 | 13 | 25 | 40 | 25 | 18 | 14 | 6 | 0 | 2 | 12 |
| " 5.00 | 0 | 0 | 0 | 8 | 16 | 18 | 16 | 5 | 10 | 0 | 0 | 2 | 6 |
| " 6.00 | 0 | 0 | 0 | 2 | 5 | 13 | 10 | 3 | 5 | 0 | 0 | 0 | 3 |
| " 8.00 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| " 10.00 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

WICHITA, SEDGWICK COUNTY. — 1889-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 26 | 16 | 9 | 2 | 0 | 2 | 4 | 4 | 2 | 5 | 23 | 18 | 9 |
| Over 0.25 | 74 | 84 | 91 | 98 | 100 | 98 | 96 | 96 | 98 | 95 | 77 | 82 | 91 |
| " 0.50 | 54 | 75 | 89 | 96 | 100 | 95 | 95 | 90 | 96 | 91 | 70 | 76 | 86 |
| " 0.75 | 44 | 58 | 82 | 93 | 100 | 95 | 89 | 88 | 93 | 84 | 65 | 49 | 78 |
| " 1.00 | 30 | 51 | 68 | 86 | 98 | 93 | 82 | 86 | 86 | 81 | 53 | 37 | 71 |
| " 1.50 | 14 | 32 | 54 | 84 | 93 | 86 | 70 | 79 | 81 | 68 | 42 | 26 | 61 |
| " 2.00 | 7 | 18 | 35 | 65 | 89 | 75 | 63 | 65 | 67 | 56 | 26 | 11 | 48 |
| " 3.00 | 0 | 5 | 16 | 46 | 63 | 72 | 46 | 46 | 53 | 25 | 12 | 9 | 33 |
| " 4.00 | 0 | 4 | 5 | 28 | 53 | 49 | 30 | 37 | 33 | 16 | 7 | 0 | 22 |
| " 5.00 | 0 | 0 | 0 | 16 | 39 | 38 | 21 | 16 | 16 | 9 | 7 | 0 | 14 |
| " 6.00 | 0 | 0 | 0 | 9 | 18 | 24 | 9 | 5 | 11 | 0 | 4 | 0 | 7 |
| " 8.00 | 0 | 0 | 0 | 2 | 12 | 10 | 2 | 2 | 5 | 0 | 0 | 0 | 3 |
| " 10.00 | 0 | 0 | 0 | 2 | 4 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 1 |

FREQUENCY OF MONTHLY TOTALS OF PRECIPITATION OF VARYING AMOUNTS
Expressed in percentages of number of occurrences.

WINFIELD, COWLEY COUNTY. — 1889-1945, incl.

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.25 and under | 14 | 19 | 4 | 0 | 0 | 0 | 0 | 6 | 4 | 6 | 19 | 17 | 7 |
| Over 0.25 | 86 | 81 | 96 | 100 | 100 | 100 | 100 | 94 | 96 | 94 | 81 | 83 | 93 |
| " 0.50 | 65 | 69 | 86 | 100 | 100 | 98 | 92 | 92 | 94 | 86 | 73 | 67 | 85 |
| " 0.75 | 50 | 66 | 80 | 98 | 98 | 96 | 90 | 86 | 92 | 83 | 69 | 54 | 80 |
| " 1.00 | 36 | 54 | 74 | 96 | 98 | 96 | 90 | 83 | 89 | 75 | 65 | 42 | 75 |
| " 1.50 | 21 | 33 | 51 | 87 | 92 | 88 | 87 | 71 | 83 | 64 | 46 | 33 | 63 |
| " 2.00 | 8 | 17 | 37 | 69 | 83 | 81 | 75 | 62 | 77 | 54 | 36 | 23 | 52 |
| " 3.00 | 4 | 8 | 14 | 46 | 65 | 73 | 42 | 48 | 64 | 33 | 21 | 8 | 36 |
| " 4.00 | 2 | 6 | 4 | 29 | 48 | 58 | 29 | 35 | 42 | 21 | 12 | 4 | 24 |
| " 5.00 | 0 | 0 | 2 | 17 | 35 | 40 | 17 | 15 | 27 | 12 | 6 | 0 | 14 |
| " 6.00 | 0 | 0 | 0 | 12 | 29 | 27 | 10 | 13 | 12 | 8 | 4 | 0 | 10 |
| " 8.00 | 0 | 0 | 0 | 2 | 13 | 14 | 8 | 4 | 2 | 2 | 0 | 0 | 4 |
| " 10.00 | 0 | 0 | 0 | 2 | 4 | 8 | 2 | 2 | 2 | 0 | 0 | 0 | 2 |

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RAINFALL FOR THREE SUMMER MONTHS FOR FIVE WETTEST AND FIVE DRIEST SUMMERS
Computations give totals for June, July, and August of each year.

| EASTERN DIVISION | | | | MIDDLE DIVISION | | | | WESTERN DIVISION | | | |
|------------------|------|----------------|------|-----------------|------|----------------|------|------------------|------|----------------|------|
| Wettest Summers | | Driest Summers | | Wettest Summers | | Driest Summers | | Wettest Summers | | Driest Summers | |
| Amount | Year | Amount | Year | Amount | Year | Amount | Year | Amount | Year | Amount | Year |
| 20.83 | 1902 | 3.05 | 1936 | 17.69 | 1927 | 3.20 | 1936 | 13.99 | 1915 | 3.32 | 1936 |
| 20.66 | 1904 | 4.42 | 1913 | 17.02 | 1915 | 3.81 | 1913 | 12.75 | 1895 | 4.50 | 1913 |
| 19.94 | 1915 | 5.59 | 1934 | 16.87 | 1908 | 5.40 | 1934 | 12.40 | 1941 | 4.57 | 1934 |
| 19.75 | 1895 | 6.16 | 1918 | 16.11 | 1904 | 6.34 | 1901 | 11.79 | 1928 | 4.99 | 1894 |
| 19.09 | 1927 | 7.61 | 1901 | 15.92 | 1902 | 6.35 | 1918 | 11.72 | 1912 | 5.08 | 1890 |

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PERCENTAGE OF THE TOTAL RAINFALL THAT OCCURS IN DAILY AMOUNTS SHOWN

| Station | Trace to 0.25 in. | 0.26 to 0.50 in. | 0.51 to 0.75 in. | 0.76 to 1.00 in. | 1.01 to 2.00 in. | 2.01 in. and over |
|----------------------|-------------------|------------------|------------------|------------------|------------------|-------------------|
| Alton | 18 | 22 | 18 | 14 | 21 | 7 |
| Ashland | 15 | 16 | 16 | 10 | 27 | 16 |
| Burlington | 10 | 15 | 14 | 11 | 35 | 15 |
| Chapman | 12 | 20 | 13 | 13 | 30 | 12 |
| Concordia | 18 | 21 | 15 | 13 | 24 | 9 |
| Dresden | 19 | 21 | 16 | 13 | 25 | 6 |
| Elberade | 13 | 17 | 13 | 14 | 30 | 13 |
| Horton | 14 | 18 | 16 | 11 | 30 | 11 |
| Independence | 13 | 15 | 16 | 13 | 28 | 15 |
| Jetmore | 16 | 21 | 13 | 14 | 28 | 8 |
| McPherson | 15 | 18 | 16 | 13 | 28 | 10 |
| Medicine Lodge | 14 | 19 | 15 | 10 | 29 | 13 |
| Ottawa | 13 | 18 | 15 | 13 | 27 | 14 |
| Russell | 15 | 20 | 15 | 13 | 24 | 13 |
| Scott City | 20 | 20 | 15 | 17 | 19 | 9 |
| Sharon Springs | 24 | 23 | 18 | 10 | 18 | 7 |
| Tepeka | 15 | 18 | 15 | 11 | 26 | 15 |
| Ulysses | 16 | 21 | 15 | 12 | 27 | 9 |
| Wakeeney | 20 | 19 | 14 | 13 | 26 | 8 |
| Winfield | 11 | 15 | 15 | 12 | 32 | 15 |

GREATEST PRECIPITATION IN 24-HOURS

| Station | Amount (Inches) | Date | Period of Record | Station | Amount (Inches) | Date | Period of Record |
|------------------|--------------------|--------------------|------------------------|---------------------|--------------------|------------------|------------------------|
| Abilene | 7.25 | July 17-18, 1896 | 1893-1928 | Larned | 4.58 | July 20, 1925 | 1904-1945 |
| Alden | 4.91 | Aug. 6-7, 1944 | 1910-1945 | Lawrence | 7.49 | Sep. 6-7, 1909 | 1894-1945 |
| Alton | 4.87 | Aug. 14, 1912 | 1902-1945 | Leavenworth | 4.75 | July 17, 1938 | 1901-1905 1911-1945 |
| Anthony | 6.98 | Aug. 20, 1920 | 1896-1945 | Lebo | 9.90 | Nov. 16, 1928 | 1893-1945 |
| Ashland | 6.52 | Oct. 21, 1920 | 1893-1945 | Leoti | 5.25 | Sep. 17, 1919 | 1893-1945 |
| Atchison | 5.96 | Mar. 15-16, 1919 | 1893-1945 | LeRoy | 8.72 | Sep. 12, 1926 | 1908-1945 |
| Atwood | 4.25 | Sep. 7-8, 1901 | 1893-1945 | Liberal | 5.50 | May 22-23, 1941 | 1893-1945 |
| Beloit | 6.34 | July 4, 1895 | 1893-1945 | Lincoln | 4.95 | July 8, 1928 | 1912-1945 |
| Belleville | 5.19 | July 26, 1945 | 1902-1945 | Lindsborg | 11.39 | Oct. 19-20, 1941 | 1911-1945 |
| Bird City | 3.90 | Aug. 21, 1945 | 1916-1945 | Lyndon | 6.15 | Nov. 16, 1928 | 1924-1945 |
| Bison | 6.15 | Aug. 13, 1927 | 1893-1945 | McFarland | 6.77 | Aug. 25-26, 1935 | 1918-1945 |
| Blus Rapids | 6.36 | Aug. 25, 1944 | 1911-1945 | McPherson | 4.52 | July 4, 1897 | 1893-1945 |
| Bucklin | 4.06 | Aug. 11, 1924 | 1920-1945 | Madisonville | 5.50 | Sep. 16-17, 1906 | 1893-1931 |
| Burlington | 12.59 | May 31-Jun 1, 1941 | 1894-1945 | Mackinac | 6.63 | Sep. 18, 1905 | 1900-1919 |
| Burr Oak | 7.86 | Sep. 18, 1919 | 1901-1945 | Manhattan | 6.65 | Aug. 25-26, 1944 | 1893-1945 |
| Carbondale | 4.00 | Nov. 16, 1928 | 1922-1942 | Manhattan (Blachly) | 5.98 | Aug. 19-20, 1895 | 1893-1921 |
| Cawker City | 6.63 | Sep. 17-18, 1919 | 1913-1945 | Marion | 5.80 | May 4, 1938 | 1893-1945 |
| Centralia | 4.05 | Mar. 15-16, 1919 | 1909-1945 | Medicine Lodge | 9.00 | Sep. 29-30, 1923 | 1893-1945 |
| Chanute | 8.92 | Apr. 7-8, 1927 | 1898-1945 | Minneapolis | 6.34 | Sep. 2-3, 1942 | 1893-1945 |
| Chapman | 8.10 | Sep. 12, 1933 | 1904-1945 | Minneola | 5.01 | May 2, 1914 | 1912-1945 |
| Cimarron | 4.97 | July 24, 1944 | 1911-1945 | Moran | 10.33 | Sep. 7, 1915 | 1896-1917 1937-1945 |
| Clay Center | 5.75 | July 25-26, 1945 | 1902-1945 | Neosho Rapids | 5.61 | Nov. 16-17, 1928 | 1908-1945 |
| Clinax | 5.44 | Sep. 8, 1895 | 1895-1945 | Ness City | 8.30 | Sep. 5, 1901 | 1893-1945 |
| Colby | 5.01 | July 25-26, 1941 | 1893-1945 | Newton | 6.10 | Sep. 27, 1923 | 1897-1945 |
| Coldwater | 4.80 | Sep. 17, 1906 | 1893-1945 | Norton | 6.10 | July 23-24, 1929 | 1893-1898 1903-1945 |
| Columbus | 6.96 | June 16-17, 1912 | 1893-1945 | Norwich | 5.77 | Apr. 8, 1927 | 1895-1945 |
| Concordia | 5.69 | July 27-28, 1907 | 1885-1945 | Oakley | 4.52 | Apr. 17-18, 1942 | 1920-1945 |
| Cottonwood Falls | 6.27 | June 1, 1941 | 1902-1945 | Oberlin | 5.57 | July 27, 1893 | 1892-1945 |
| Council Grove | 7.18 | July 5, 1932 | 1908-1945 | Oketo | 5.62 | Oct. 1, 1911 | 1908-1945 |
| Cunningham | 6.00 | Sep. 16-17, 1906 | 1893-1917 | Olathe | 7.00 | Sep. 7, 1914 | 1894-1945 |
| Dalton | 5.83 | July 11, 1922 | 1893-1922 | Osage City | 9.65 | July 7, 1909 | 1896-1945 |
| Deerfield | 3.66 | Oct. 11, 1930 | 1915-1945 | Oswego | 6.32 | May 19, 1943 | 1893-1945 |
| Dodge City | 6.03 | June 8-9, 1899 | 1873-1945 | Ottawa | 6.95 | Nov. 16, 1928 | 1895-1945 |
| Dresden | 3.85 | Sep. 17, 1923 | 1895-1945 | Overbrook (near) | 5.71 | Nov. 16, 1928 | 1922-1945 |
| Eldorado | 8.20 | July 2, 1905 | 1893-1945 | Paola | 8.23 | Nov. 16, 1928 | 1918-1945 |
| Elkhart | 6.12 | Sep. 15, 1923 | 1918-1945 | Parsons | 6.60 | June 9, 1937 | 1925-1945 |
| Elliswood | 3.96 | Sep. 17-18, 1906 | 1895-1925 | Phillipsburg | 7.50 | Sep. 18, 1919 | 1893-1945 |
| Ellsworth | 5.56 | Sep. 1-2, 1941 | 1904-1945 | Pittsburg | 5.44 | May 19, 1943 | 1913-1945 |
| Elmdale | 6.03 | Sep. 12, 1926 | 1924-1945 | Plains | 5.10 | July 25, 1921 | 1910-1945 |
| Emmett | 4.70 | June 26, 1922 | 1912-1945 | Plainville | 4.60 | Sep. 2, 1941 | 1905-1945 |
| Emporia | 8.15 | Sep. 8-9, 1895 | 1893-1945 | Pleasanton | 6.42 | June 29, 1908 | 1903-1945 |
| Enterprise | 4.32 | Oct. 19-20, 1941 | 1903-1913 1934-1945 | Pomona | 5.55 | Nov. 16, 1928 | 1922-1945 |
| Eskridge | 6.18 | Aug. 11, 1941 | 1897-1945 | Pratt | 6.65 | July 30, 1928 | 1895-1945 |
| Fall River | 4.25 | Sep. 15, 1915 | 1896-1918 | Quenemo | 8.25 | Nov. 16, 1928 | 1912-1945 |
| Florence | 5.95 | Aug. 14-15, 1938 | 1925-1945 | Quinter | 5.40 | June 25, 1935 | 1893-1945 |
| Fort Scott | 8.00 | Sep. 16, 1911 | 1895-1945 | Reading | 6.50 | Nov. 16, 1928 | 1919-1945 |
| Frankfort | 5.60 | July 16, 1900 | 1894-1914 | Richfield | 8.90 | July 29-30, 1911 | 1889-1945 |
| Fredonia | 5.49 | Sep. 23-24, 1945 | 1902-1945 | Russell | 4.50 | July 29, 1928 | 1895-1945 |
| Garden City | 5.13 | Aug. 8-9, 1915 | 1893-1945 | St. Francis | 4.52 | May 26-27, 1915 | 1908-1945 |
| Garnett | 6.68 | Nov. 16, 1928 | 1906-1945 | Salina | 5.48 | June 4, 1896 | 1894-1945 |
| Goodland | 3.84 | June 5-6, 1943 | 1895-1945 | Scott City | 4.31 | Sep. 17, 1919 | 1895-1945 |
| Greensburg | 4.25 | May 27, 1937 | 1893-1945 | Sedan | 7.62 | Oct. 17, 1934 | 1893-1945 |
| Greenola | 5.23 | Nov. 7, 1918 | 1893-1927 | Sharon Springs | 6.13 | May 24, 1905 | 1893-1945 |
| Hanover | 4.28 | May 21, 1908 | 1901-1945 | Smith Center | 6.44 | Aug. 2, 1911 | 1910-1945 |
| Hays | 4.56 | Sep. 11, 1932 | 1893-1945 | Sublette | 5.31 | Sep. 3, 1920 | 1913-1945 |
| Healy | 5.25 | Sep. 17, 1919 | 1901-1945 | Syracuse | 6.25 | June 5, 1932 | 1893-1945 |
| Herrington | 5.85 | May 11, 1929 | 1918-1945 | Topeka | 8.08 | Sep. 6-7, 1909 | 1887-1945 |
| Hill City | 7.43 | Sep. 17, 1919 | 1907-1945 | Toronto | 6.90 | Sep. 15, 1915 | 1897-1945 |
| Holton | 6.92 | Sep. 14, 1930 | 1902-1945 | Tribune | 6.46 | June 4, 1932 | 1893-1945 |
| Horton | 6.00 | Aug. 13, 1900 | 1893-1945 | Trousdale | 4.86 | Sep. 10-11, 1916 | 1916-1945 |
| Howard | 5.51 | Sep. 16, 1936 | 1907-1922 1928-1945 | Ulysses | 4.10 | June 6, 1903 | 1893-1945 |
| Hoxie | 4.10 | May 22, 1923 | 1897-1945 | Valley Falls | 6.21 | July 14-15, 1907 | 1899-1945 |
| Hudson | 3.97 | Oct. 2-3, 1942 | 1922-1945 | Vinland | 5.57 | Oct. 1, 1927 | 1909-1936 |
| Hupton | 3.88 | June 7-8, 1941 | 1904-1945 | Wakeeney | 7.40 | July 29, 1928 | 1893-1945 |
| Hutchinson | 4.75 | July 4, 1895 | 1893-1945 | Walnut | 8.55 | July 22-23, 1940 | 1903-1945 |
| Independence | 5.55 | May 6-7, 1943 | 1893-1945 | Wamego | 6.10 | Nov. 13, 1909 | 1893-1945 |
| Iola (1) | 6.80 | Sep. 6-7, 1915 | 1906-1945 | Wellington | 6.52 | June 20-21, 1942 | 1894-1899 1908-1945 |
| Iola (2) | 5.49 | Nov. 17, 1928 | 1922-1945 | Wheaton | 6.30 | Oct. 9, 1941 | 1918-1945 |
| Jetmore | 4.25 | June 22, 1909 | 1901-1945 | Wichita | 7.99 | Sep. 6-7, 1911 | 1889-1945 |
| Johnson | 4.25 | Apr. 9-10, 1944 | 1894-1895 1917-1945 | Winfield | 7.60 | July 11-12, 1922 | 1894-1945 |
| Junction City | 6.15 | Sep. 12, 1926 | 1893-1899 1918-1945 | Yates Center | 7.32 | May 31, 1906 | 1893-1945 |
| Kismet | 3.80 | May 14, 1923 | 1909-1945 | Kansas City, Mo. | 7.03 | Sep. 6-7, 1914 | 1889-1945 |
| Lakin | 4.55 | Aug. 15, 1927 | 1893-1945 | St. Joseph, Mo. | 6.89 | June 15-16, 1943 | 1909-1945 |

PRECIPITATION OF 5.00 INCHES OR MORE IN 24 HOURS

(Based on records from beginning of station through 1946.)

| Station | Date | Amount | Station | Date | Amount |
|------------------|---------------------|--------|---------------|------------------|--------|
| Abilene | July 17-18, 1896 | 7.25 | Council Grove | July 7, 1909 | 5.02 |
| Anthony | Aug. 20, 1920 | 6.98 | | Nov. 13, 1909 | 5.00 |
| | Nov. 3, 1938 | 6.29 | | July 5, 1932 | 7.18 |
| Arkansas City | Mar. 6, 1918 | 7.25 | | May 4, 1938 | 5.38 |
| | Sep. 27-28, 1944 | 5.24 | | June 11, 1938 | 5.33 |
| Ashland | Sep. 28-29, 1904 | 5.00 | | June 1, 1941 | 5.04 |
| | Oct. 21, 1920 | 6.52 | | June 18-19, 1946 | 6.85 |
| Atchison | July 6-7, 1909 | 5.30 | Cunningham | Sep. 17, 1906 | 6.00 |
| | Mar. 15-16, 1919 | 5.96 | | Sep. 11, 1916 | 5.50 |
| Baker | Aug. 24, 1906 | 6.60 | Dalton | Aug. 14, 1912 | 5.50 |
| Beaver | July 11, 1929 | 5.70 | | June 5, 1916 | 5.00 |
| Belleville | July 26, 1945 | 5.19 | | July 11, 1922 | 5.83 |
| Beloit | July 4, 1895 | 6.34 | Delphos | June 3, 1899 | 5.55 |
| | June 18, 1915 | 5.78 | Dodge City | May 25-26, 1898 | 5.32 |
| Bison | Aug. 13, 1927 | 8.05 | | June 8-9, 1899 | 6.03 |
| Blue Rapids | Aug. 25, 1944 | 6.36 | | Sep. 16-17, 1906 | 5.89 |
| | July 15-16, 1946 | 6.35 | El Dorado | July 2, 1905 | 8.20 |
| Burlington | Mar. 23, 1922 | 7.50 | | Nov. 16, 1928 | 8.10 |
| | Sep. 12, 1926 | 7.00 | | Sep. 3, 1942 | 5.75 |
| | Nov. 16, 1928 | 6.07 | Elkhart | Sep. 15, 1923 | 6.12 |
| | May 31-June 1, 1941 | 12.59* | Ellsworth | Sep. 1-2, 1941 | 5.56 |
| Burr Oak | Sep. 18, 1919 | 7.86 | Elmdale | Sep. 12, 1926 | 6.03 |
| | Aug. 35, 1920 | 6.00 | | June 20, 1927 | 5.00 |
| | June 8, 1941 | 5.12 | | June 1, 1941 | 5.95 |
| Carbondale | Nov. 16, 1928 | 6.00 | | June 18-19, 1946 | 6.74 |
| Centralia | Sep. 4, 1946 | 5.90 | Emporia | Sep. 8-9, 1895 | 8.15 |
| Chanute | Sep. 11-12, 1898 | 6.06 | | Sep. 11-12, 1926 | 7.00 |
| | Sep. 27, 1900 | 5.10 | | Nov. 16, 1928 | 7.03 |
| | Aug. 4, 1911 | 5.30 | | Aug. 25-26, 1941 | 5.63 |
| | Apr. 8, 1927 | 8.92 | Eske ridge | July 6-7, 1909 | 5.22 |
| Chapman | Sep. 12, 1933 | 8.10 | | Oct. 11, 1912 | 6.00 |
| | Aug. 15, 1938 | 5.65 | | Aug. 11, 1941 | 6.18 |
| Cimarron | July 24, 1944 | 5.97 | | June 19, 1946 | 6.83 |
| Climax (Eureka) | Sep. 8, 1895 | 5.44 | Florence | Sep. 12, 1926 | 5.12 |
| Coffeyville | June 9, 1941 | 5.58 | | Aug. 14-15, 1938 | 5.95 |
| Colby | July 25-26, 1941 | 5.01 | | June 19, 1946 | 6.98 |
| Columbus | July 2, 1905 | 5.49 | Fort Riley | Apr. 8-9, 1944 | 5.41 |
| | May 14, 1907 | 5.32 | Fort Scott | June 25, 1897 | 6.34 |
| | June 16-17, 1912 | 6.96 | | Apr. 24, 1904 | 6.54 |
| | Sep. 4, 1926 | 5.80 | | Sep. 16, 1911 | 8.00 |
| | May 18-19, 1943 | 6.20 | | Sep. 7, 1915 | 6.10 |
| Concordia | July 22-23, 1899 | 5.14 | | June 11, 1916 | 5.00 |
| | July 27-28, 1907 | 5.69 | | July 12, 1924 | 6.30 |
| Cottonwood Falls | Nov. 16, 1928 | 5.07 | Frankfort | July 16, 1900 | 5.60 |
| | June 1, 1941 | 6.27 | Frederia | Sep. 23-24, 1945 | 5.49 |
| | Sep. 3, 1942 | 5.30 | Garden City | Aug. 8-9, 1915 | 5.13 |
| | June 19, 1946 | 7.15 | Garnett | Oct. 1, 1927 | 5.50 |
| | | | | Nov. 16, 1928 | 6.68 |
| | | | | May 21-22, 1937 | 5.06 |
| | | | | Aug. 12-13, 1946 | 5.75 |
| | | | Geneseo | Oct. 19-20, 1941 | 5.88 |
| | | | Greenleaf | July 15-16, 1946 | 7.25 |

* Greatest 24-hour precipitation recorded in Kansas.

(Continued on next page)

PRECIPITATION OF 5.00 INCHES OR MORE IN 24 HOURS - Continued

(Based on records from beginning of station through 1946.)

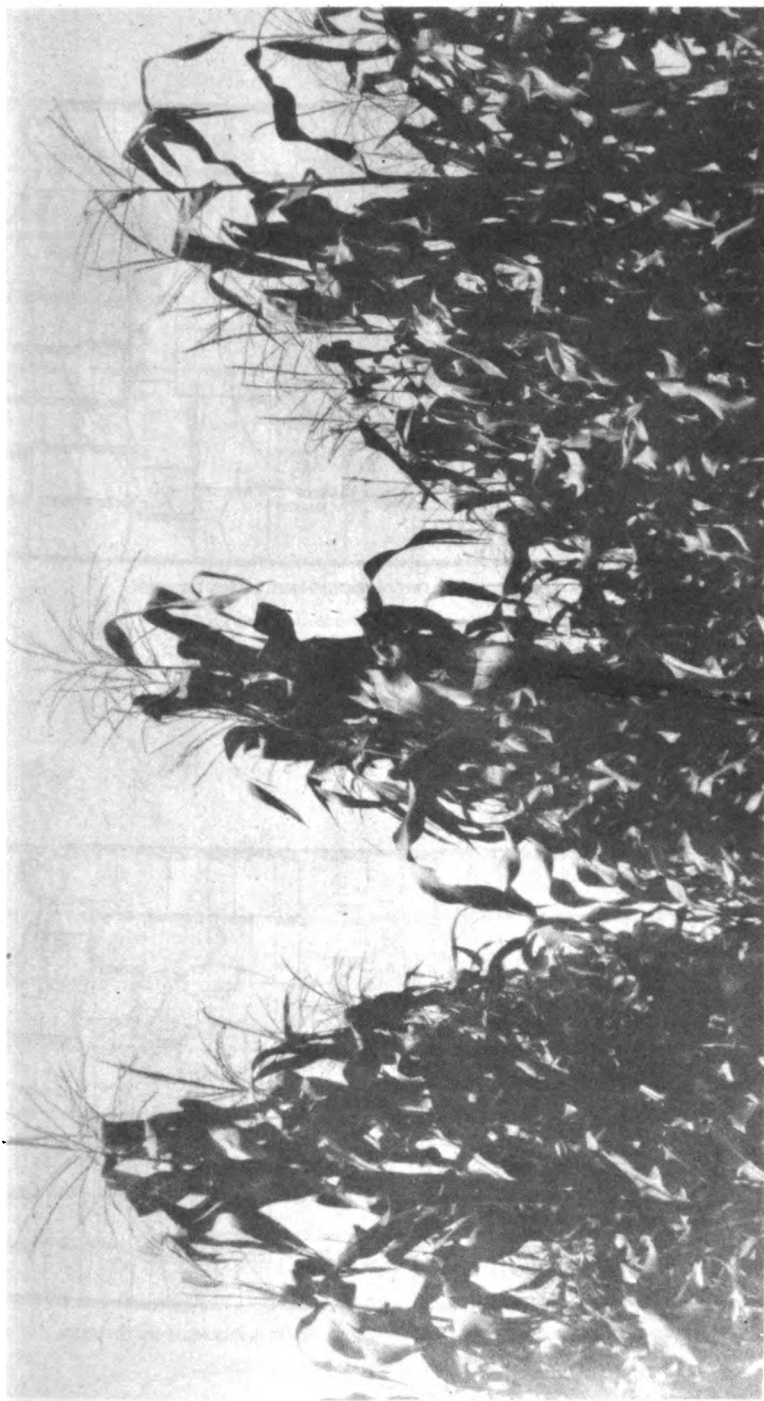
| Station | Date | Amount | Station | Date | Amount |
|------------------|------------------|---------------|------------------|------------------|----------------|
| Grenola | Sep. 7, 1911 | 5.20 | Lindsborg | Oct. 19-20, 1941 | 11.39 |
| | Nov. 7, 1918 | 5.23 | | Lyndon | July 5, 1932 | 5.55 |
| | July 11, 1922 | 5.11 | May 31, 1935 | | 5.25 |
| Hanover | July 15-16, 1946 | 5.81 | Aug. 12-13, 1946 | 5.73 | |
| Harveyville | June 18-19, 1946 | 8.22 | McFarland | Aug. 25-26, 1935 | 6.77 |
| Healy | Sep. 17, 1919 | 5.25 | | Aug. 3, 1942 | 5.79 |
| | | | Herington | Aug. 2, 1906 | 5.03 |
| May 11, 1929 | 5.85 | Sep. 17, 1906 | | 5.50 | |
| Oct. 19-20, 1941 | 5.50 | Madison | Sep. 18, 1905 | 6.63 | |
| Sep. 27-28, 1945 | 5.40 | | | | |
| Hesston | June 9, 1894 | 5.35 | Manhattan | July 4-5, 1895 | 5.58 |
| Hill City | July 29, 1928 | 5.70 | | Aug. 19-20, 1895 | 5.91 |
| | Sep. 6, 1946 | 5.39 | | May 28, 1903 | 5.00 |
| Holton | July 5, 1904 | 5.25 | | Aug. 22, 1924 | 5.25 |
| | | Sep. 14, 1930 | 6.92 | Aug. 25-26, 1944 | 6.65 |
| Horton | Aug. 13, 1900 | 6.00 | Marion | Oct. 11, 1912 | 5.20 |
| | June 5, 1930 | 5.43 | | May 4, 1938 | 5.80 |
| | June 7-8, 1943 | 6.00 | | Sep. 2-3, 1942 | 5.35 |
| | June 15-16, 1945 | 5.34 | | June 18-19, 1946 | 7.76 |
| Howard | Sep. 16, 1936 | 5.51 | Medicine Lodge | Sep. 29-30, 1923 | 9.00 |
| | Aug. 25-26, 1946 | 5.36 | | Moran | July 3-4, 1899 | 6.16 |
| Independence | Sep. 22, 1908 | 5.08 | Sep. 7, 1915 | | 10.33 |
| | May 6-7, 1943 | 5.55 | Mount Hope | June 9-10, 1894 | 8.40 |
| | Sep. 27-28, 1944 | 5.20 | | Neosho Rapids | June 1, 1928 | 5.21 |
| Iola | Sep. 6-7, 1915 | 6.80 | Nov. 17, 1928 | | 5.61 |
| | Sep. 21-22, 1925 | 5.63 | Sep. 5, 1940 | | 5.60 |
| | Sep. 12, 1926 | 6.78 | Aug. 26, 1941 | | 5.32 |
| | Nov. 15-16, 1928 | 6.27 | Aug. 26, 1942 | 5.10 | |
| Sep. 6, 1941 | 5.89 | Ness City | Sep. 5, 1901 | 8.30 | |
| Irene | Sep. 17, 1919 | | 6.00 | Aug. 1, 1903 | 5.10 |
| | | | | May 10-11, 1929 | 5.60 |
| Junction City | July --, 1896 | 5.01 | Newton | June 5, 1916 | 5.40 |
| | Aug. 21-22, 1924 | 5.70 | | July 11, 1922 | 5.00 |
| | Sep. 12, 1926 | 6.15 | | June 9, 1923 | 5.75 |
| | May 9-10, 1946 | 7.00 | | Sep. 27, 1923 | 6.10 |
| LaCygne | May 21, 1937 | 5.10 | Norton | Sep. 18, 1919 | 5.00 |
| Lawrence | Aug. 14-15, 1895 | 5.38 | | July 23-24, 1929 | 6.10 |
| | Sep. 6-7, 1909 | 7.49 | Norwich | Aug. 6, 1898 | 5.01 |
| | June 24, 1913 | 5.00 | | Apr. 8, 1927 | 5.77 |
| | Sep. 7, 1914 | 5.91 | | Oberlin | July 27, 1893 | 5.57 |
| | July 12, 1920 | 6.92 | July 15-16, 1944 | | 5.13 |
| | Aug. 6, 1921 | 5.30 | Oketo | Oct. 1, 1911 | 5.62 |
| | June 18-19, 1946 | 5.94 | | | |
| Lebanon | July 26, 1902 | 5.80 | Olathe | Sep. 7, 1914 | 7.00 |
| Lebo | June 26, 1893 | 8.23 | | Aug. 13, 1927 | 6.25 |
| | Sep. 8-9, 1895 | 7.82 | | Apr. 21-22, 1944 | 5.13 |
| | Nov. 16, 1928 | 9.90 | Osage City | July 7, 1909 | 9.65 |
| | Sep. 5, 1940 | 7.25 | | Nov. 16, 1928 | 6.05 |
| | Aug. 26, 1941 | 5.55 | | Aug. 13, 1946 | 5.60 |
| Lecompton | June 18-19, 1946 | 5.18 | Oswego | June 16-17, 1912 | 6.30 |
| LeRoy | July 10, 1909 | 8.20 | | Aug. 26, 1914 | 5.35 |
| | Sep. 12, 1926 | 8.72 | | June 6, 1916 | 6.00 |
| Liberal | May 22-23, 1941 | 5.50 | | Apr. 20, 1929 | 5.30 |
| | | | | May 19, 1943 | 6.32 |
| Lincoln | Sep. 6, 1946 | 5.97 | Nov. 1, 1946 | 5.09 | |

(Continued on next page)

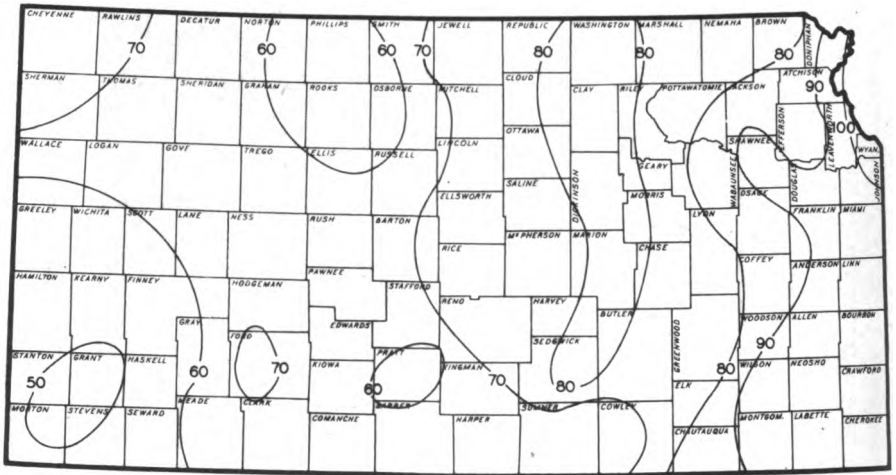
PRECIPITATION OF 5.00 INCHES OR MORE IN 24 HOURS - Continued

(Based on records from beginning of station through 1946.)

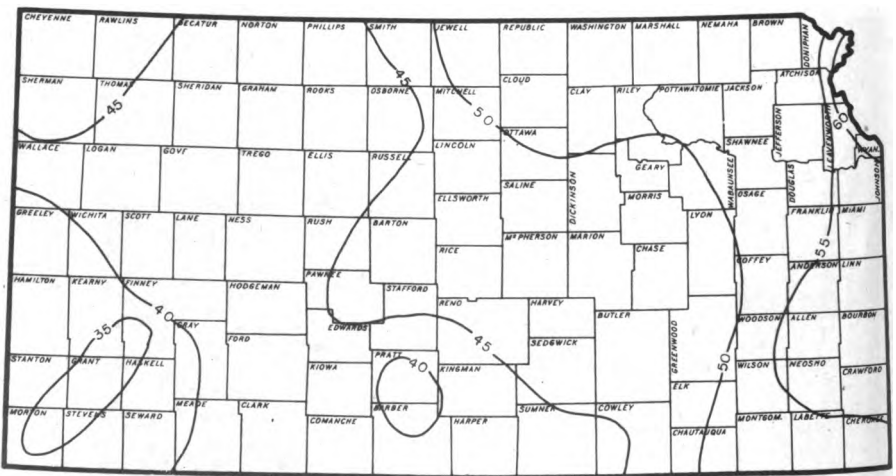
| Station | Date | Amount | Station | Date | Amount |
|-------------------|----------------------|--------|------------------|------------------|--------|
| Ottawa | June 17, 1900 | 5.03 | Syracuse | June 5, 1932 | 6.25 |
| | July 6-7, 1909 | 5.77 | Tonganoxie | June 20, 1940 | 9.05 |
| | Sep. 9, 1915 | 5.72 | | | |
| | Nov. 16, 1928 | 6.95 | Topeka | Sep. 6-7, 1909 | 8.08 |
| | Aug. 12-13, 1946 | 6.52 | | Oct. 10-11, 1912 | 5.70 |
| Overbrook | Aug. 12-13, 1946 | 6.09 | | Mar. 15-16, 1919 | 5.33 |
| Overbrook (near) | Aug. 13, 1946 | 7.55 | | May 3-4, 1938 | 5.49 |
| | | | | Aug. 12-13, 1946 | 5.77 |
| Paola | Nov. 16, 1928 | 8.23 | Toronto | May 31, 1906 | 5.50 |
| | Aug. 12-13, 1946 | 6.82 | | Sep. 15, 1915 | 6.90 |
| | | | | Apr. 8, 1927 | 5.21 |
| Parsons | Sep. 4-5, 1926 | 6.25 | Tribune | June 14-15, 1914 | 5.25 |
| | May 28-29, 1935 | 5.95 | | June 4, 1932 | 6.46 |
| | June 9, 1937 | 6.60 | | | |
| | Aug. 15-16, 1938 | 5.33 | Valley Falls | July 15, 1907 | 6.21 |
| | June 21-22, 1943 | 6.60 | | June 21, 1914 | 5.00 |
| Phillipsburg | Sep. 18, 1919 | 7.50 | | Aug. 6, 1924 | 5.83 |
| | | | | May 27, 1935 | 6.05 |
| Pittsburg | June 16, 1938 | 5.28 | | Oct. 9, 1941 | 5.85 |
| | May 19, 1943 | 5.44 | | Aug. 25-26, 1942 | 5.97 |
| | Oct. 31-Nov. 1, 1946 | 5.56 | Wagstaff | Aug. 13, 1946 | 5.25 |
| Plains | July 25, 1921 | 5.10 | Wakeeney | July 29, 1928 | 7.40 |
| Pleasanton | Oct. 1, 1927 | 5.95 | Walnut | Apr. 8, 1927 | 5.45 |
| | Aug. 5-6, 1945 | 5.70 | | July 22-23, 1940 | 8.55 |
| Pomona | Nov. 16, 1928 | 5.55 | Wamego | Nov. 13, 1909 | 6.10 |
| | Aug. 12-13, 1946 | 5.24 | | Aug. 12-13, 1946 | 6.93 |
| Pratt | July 30, 1928 | 6.65 | Wellington | Oct. 2, 1926 | 6.30 |
| | | | | June 20-21, 1942 | 6.52 |
| Quenemo | Sep. 8-9, 1915 | 6.25 | Westmoreland | June 15-16, 1945 | 5.52 |
| | Nov. 16, 1928 | 8.25 | Wichita | Sep. 6-7, 1911 | 7.99 |
| Quinter | June 25, 1935 | 5.40 | | June 8-9, 1923 | 7.06 |
| | June 15, 1943 | 5.11 | | Aug. 15-16, 1938 | 5.54 |
| Randolph | Oct. 9, 1941 | 5.25 | | Apr. 22, 1944 | 6.03 |
| Reading | June 1, 1928 | 5.25 | Willard | Aug. 11-12, 1941 | 5.51 |
| | Nov. 16, 1928 | 6.50 | | Aug. 12-13, 1946 | 6.66 |
| | May 31, 1941 | 5.20 | Winfield | June 5, 1916 | 6.55 |
| | Aug. 26, 1941 | 5.30 | | July 11-12, 1922 | 7.60 |
| | Oct. 14, 1941 | 5.00 | | June 9, 1928 | 5.50 |
| Richfield | July 29-30, 1911 | 8.90 | Yates Center | June 25, 1894 | 7.10 |
| | Sep. 6, 1920 | 5.15 | | Sep. 7-8, 1895 | 6.37 |
| Salina | June 4, 1896 | 5.48 | | May 31, 1906 | 7.32 |
| | May 28, 1903 | 5.25 | | June 1, 1941 | 5.50 |
| | June 15-16, 1943 | 5.37 | Kansas City, Mo. | Aug. 23, 1906 | 5.93 |
| Scott City (near) | May 10, 1935 | 6.00 | | Sep. 6-7, 1914 | 7.03 |
| Sedan | May 6, 1918 | 7.20 | | Aug. 27-28, 1919 | 5.66 |
| | Oct. 17, 1934 | 7.62 | | July 8-9, 1926 | 5.06 |
| | Apr. 9-10, 1944 | 5.25 | | Nov. 15-16, 1928 | 5.79 |
| | Sep. 27-28, 1944 | 5.89 | | Apr. 21-22, 1944 | 5.96 |
| Sharon Springs | May 24, 1905 | 6.13 | St. Joseph, Mo. | Mar. 15-16, 1919 | 5.37 |
| Smith Center | Aug. 2, 1911 | 6.44 | | June 2-3, 1925 | 6.53 |
| | Aug. 26, 1946 | 5.20 | | June 15-16, 1943 | 6.89 |
| Sublette | Sep. 3, 1920 | 5.31 | | | |
| | Oct. 4-5, 1946 | 5.55 | | | |



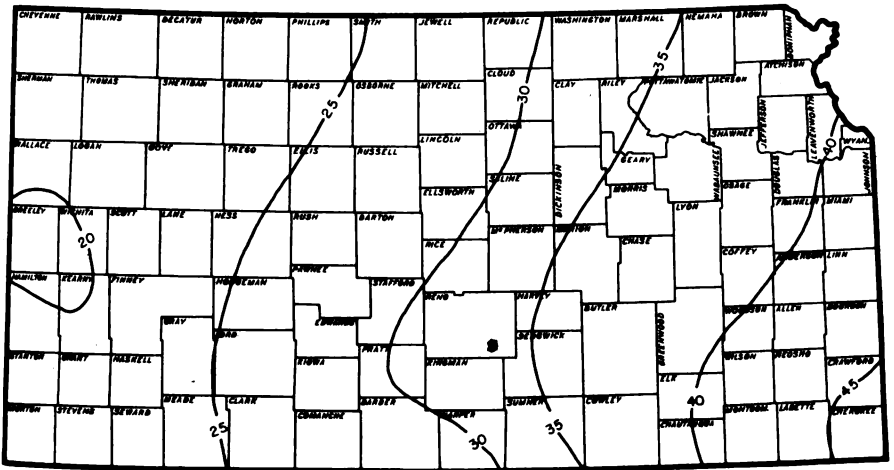
**Skyline of production. The result of favorable weather,
rich soil and good farming practices.**



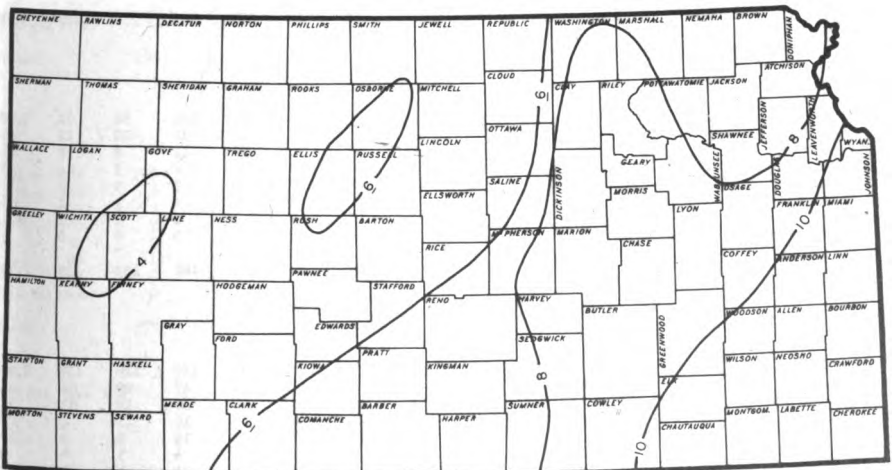
AVERAGE ANNUAL NUMBER OF DAYS WITH .01 INCH OR MORE OF PRECIPITATION
(Computed for entire period of record ending with 1945.)



AVERAGE NUMBER OF DAYS, APRIL - SEPTEMBER INCLUSIVE, WITH .01 INCH OR MORE OF PRECIPITATION
(Computed for entire period of record ending with 1945.)



AVERAGE ANNUAL NUMBER OF DAYS WITH .25 INCH OR MORE OF PRECIPITATION
 (Computed for entire period of record ending with 1945.)



AVERAGE ANNUAL NUMBER OF DAYS WITH 1.00 INCH OR MORE OF PRECIPITATION
 (Computed for entire period of record ending with 1945.)

AVERAGE NUMBER OF DAYS WITH RAIN

For The 50-Year Period, 1896-1945

KANSAS

NORTHWEST SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 125 | 160 | 185 | 223 | 263 | 249 | 201 | 192 | 148 | 130 | 100 | 133 | 2,109 |
| 0.26 — 0.50 | 13 | 23 | 32 | 64 | 76 | 71 | 99 | 69 | 37 | 37 | 22 | 18 | 521 |
| 0.51 — 0.75 | 2 | 6 | 13 | 32 | 31 | 40 | 28 | 35 | 24 | 14 | 9 | 7 | 241 |
| 0.76 — 1.00 | * | 1 | 5 | 20 | 15 | 26 | 22 | 19 | 17 | 6 | 4 | 2 | 137 |
| 1.01 — 1.50 | 1 | 1 | 4 | 15 | 19 | 20 | 18 | 17 | 11 | 8 | 1 | 2 | 117 |
| 1.51 — 2.00 | 0 | 0 | 1 | 6 | 8 | 7 | 6 | 8 | 5 | 2 | 1 | * | 44 |
| 2.01 — 3.00 | 0 | 0 | 1 | 3 | 2 | 3 | 5 | 3 | 3 | 2 | 1 | 0 | 23 |
| 3.01 and over | 0 | 0 | 0 | 0 | * | * | 4 | 0 | 1 | 2 | 0 | 0 | 7 |
| Total | 141 | 191 | 241 | 363 | 414 | 416 | 343 | 343 | 246 | 201 | 138 | 162 | 3,199 |

NORTH-CENTRAL SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 130 | 149 | 181 | 228 | 266 | 263 | 204 | 209 | 190 | 153 | 130 | 130 | 2,233 |
| 0.26 — 0.50 | 22 | 36 | 39 | 73 | 88 | 84 | 63 | 55 | 53 | 54 | 32 | 25 | 634 |
| 0.51 — 0.75 | 8 | 11 | 17 | 37 | 45 | 54 | 33 | 40 | 27 | 16 | 14 | 10 | 312 |
| 0.76 — 1.00 | 1 | 6 | 6 | 22 | 30 | 28 | 19 | 22 | 17 | 14 | 6 | 5 | 176 |
| 1.01 — 1.50 | 0 | 1 | 5 | 15 | 23 | 34 | 20 | 25 | 16 | 12 | 6 | 2 | 159 |
| 1.51 — 2.00 | 0 | 1 | 1 | 4 | 11 | 13 | 14 | 10 | 11 | 6 | 4 | 1 | 76 |
| 2.01 — 3.00 | 0 | * | * | 3 | 3 | 6 | 8 | 7 | 5 | 3 | 1 | 0 | 36 |
| 3.01 and over | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | * | 0 | 11 |
| Total | 161 | 204 | 249 | 383 | 468 | 484 | 362 | 380 | 321 | 259 | 193 | 173 | 3,637 |

NORTHEAST SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 163 | 171 | 198 | 223 | 259 | 209 | 175 | 187 | 175 | 170 | 141 | 150 | 2,221 |
| 0.26 — 0.50 | 34 | 47 | 52 | 80 | 96 | 81 | 67 | 64 | 74 | 50 | 44 | 42 | 731 |
| 0.51 — 0.75 | 10 | 17 | 23 | 47 | 54 | 58 | 39 | 42 | 45 | 35 | 19 | 14 | 403 |
| 0.76 — 1.00 | 5 | 6 | 9 | 24 | 37 | 33 | 25 | 26 | 29 | 20 | 9 | 5 | 228 |
| 1.01 — 1.50 | 2 | 5 | 12 | 20 | 28 | 37 | 31 | 34 | 28 | 18 | 12 | 3 | 230 |
| 1.51 — 2.00 | 0 | 2 | 4 | 8 | 17 | 17 | 9 | 15 | 14 | 5 | 6 | 1 | 98 |
| 2.01 — 3.00 | 0 | 0 | 2 | 4 | 12 | 14 | 8 | 13 | 11 | 2 | 3 | 1 | 70 |
| 3.01 and over | 0 | 0 | * | * | 1 | 4 | 4 | 4 | 3 | 1 | 1 | 0 | 18 |
| Total | 214 | 248 | 300 | 406 | 504 | 453 | 358 | 385 | 379 | 301 | 235 | 216 | 3,999 |

WEST-CENTRAL SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 88 | 120 | 133 | 175 | 199 | 208 | 174 | 166 | 124 | 114 | 96 | 92 | 1,689 |
| 0.26 — 0.50 | 12 | 24 | 25 | 60 | 62 | 76 | 65 | 62 | 46 | 32 | 20 | 22 | 506 |
| 0.51 — 0.75 | 2 | 6 | 9 | 29 | 37 | 36 | 33 | 31 | 20 | 14 | 8 | 7 | 232 |
| 0.76 — 1.00 | * | 4 | 5 | 15 | 22 | 19 | 20 | 18 | 11 | 8 | 5 | 4 | 131 |
| 1.01 — 1.50 | 1 | 1 | 4 | 11 | 21 | 21 | 21 | 17 | 9 | 9 | 3 | 2 | 120 |
| 1.51 — 2.00 | 0 | * | 1 | 5 | 7 | 8 | 10 | 8 | 7 | 2 | 1 | 1 | 50 |
| 2.01 — 3.00 | 0 | 0 | 0 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 0 | 1 | 16 |
| 3.01 and over | 0 | 0 | 0 | * | 1 | 3 | * | * | 2 | 0 | 0 | 0 | 6 |
| Total | 103 | 155 | 177 | 298 | 351 | 373 | 325 | 304 | 222 | 180 | 133 | 129 | 2,750 |

CENTRAL SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 140 | 161 | 180 | 222 | 274 | 242 | 193 | 188 | 184 | 156 | 129 | 139 | 2,208 |
| 0.26 — 0.50 | 26 | 38 | 35 | 73 | 89 | 76 | 63 | 62 | 54 | 47 | 28 | 33 | 624 |
| 0.51 — 0.75 | 7 | 13 | 17 | 41 | 41 | 47 | 29 | 35 | 28 | 24 | 18 | 13 | 313 |
| 0.76 — 1.00 | 3 | 7 | 9 | 22 | 31 | 33 | 22 | 22 | 17 | 16 | 11 | 4 | 197 |
| 1.01 — 1.50 | 1 | 5 | 8 | 16 | 26 | 36 | 22 | 27 | 22 | 15 | 8 | 3 | 189 |
| 1.51 — 2.00 | 0 | 1 | 2 | 5 | 9 | 14 | 9 | 9 | 8 | 6 | 3 | * | 66 |
| 2.01 — 3.00 | 0 | 0 | 0 | 4 | 8 | 10 | 5 | 9 | 6 | 4 | 1 | * | 47 |
| 3.01 and over | 0 | 0 | 0 | * | 2 | 4 | 3 | 2 | 4 | 0 | 0 | 0 | 15 |
| Total | 177 | 225 | 251 | 383 | 480 | 462 | 346 | 354 | 323 | 268 | 198 | 192 | 3,659 |

* Less than 1/2

AVERAGE NUMBER OF DAYS WITH RAIN

For The 50-Year Period, 1896-1945

KANSAS

EAST-CENTRAL SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 166 | 167 | 185 | 242 | 264 | 220 | 176 | 189 | 175 | 175 | 139 | 162 | 2,260 |
| 0.26 — 0.50 | 36 | 46 | 53 | 91 | 91 | 80 | 67 | 63 | 71 | 58 | 41 | 46 | 743 |
| 0.51 — 0.75 | 13 | 20 | 29 | 47 | 61 | 52 | 38 | 40 | 37 | 36 | 21 | 18 | 412 |
| 0.76 — 1.00 | 8 | 10 | 19 | 26 | 40 | 34 | 28 | 20 | 30 | 18 | 11 | 9 | 253 |
| 1.01 — 1.50 | 7 | 6 | 14 | 25 | 33 | 37 | 23 | 38 | 35 | 17 | 14 | 8 | 257 |
| 1.51 — 2.00 | 1 | 1 | 7 | 8 | 17 | 15 | 11 | 14 | 19 | 12 | 6 | 1 | 112 |
| 2.01 — 3.00 | 0 | 1 | 3 | 7 | 11 | 13 | 12 | 16 | 11 | 6 | * | 0 | 80 |
| 3.01 and over | * | 0 | * | 1 | 5 | 5 | 3 | 4 | 4 | 2 | 2 | * | 26 |
| Total | 231 | 251 | 310 | 447 | 522 | 456 | 358 | 384 | 382 | 324 | 234 | 244 | 4,143 |

SOUTHWEST SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 87 | 118 | 127 | 166 | 206 | 184 | 171 | 152 | 135 | 125 | 99 | 94 | 1,664 |
| 0.26 — 0.50 | 12 | 29 | 30 | 56 | 60 | 59 | 52 | 59 | 36 | 32 | 24 | 21 | 470 |
| 0.51 — 0.75 | 6 | 8 | 12 | 35 | 36 | 35 | 38 | 28 | 23 | 15 | 10 | 9 | 255 |
| 0.76 — 1.00 | 2 | 4 | 6 | 13 | 20 | 22 | 19 | 18 | 11 | 11 | 6 | 6 | 138 |
| 1.01 — 1.50 | * | 2 | 3 | 13 | 15 | 20 | 21 | 18 | 14 | 11 | 6 | 3 | 126 |
| 1.51 — 2.00 | 0 | 1 | 1 | 4 | 7 | 10 | 7 | 6 | 8 | 4 | 1 | 1 | 50 |
| 2.01 — 3.00 | 0 | * | * | 5 | 5 | 5 | 4 | 4 | 3 | 1 | 1 | * | 28 |
| 3.01 and over | 0 | * | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| Total | 107 | 162 | 179 | 293 | 350 | 336 | 313 | 286 | 231 | 200 | 147 | 134 | 2,738 |

SOUTH-CENTRAL SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 120 | 143 | 149 | 186 | 249 | 220 | 170 | 184 | 166 | 148 | 114 | 122 | 1,971 |
| 0.26 — 0.50 | 26 | 37 | 45 | 68 | 71 | 67 | 60 | 56 | 66 | 50 | 32 | 31 | 609 |
| 0.51 — 0.75 | 8 | 8 | 15 | 40 | 42 | 42 | 28 | 33 | 33 | 27 | 16 | 13 | 305 |
| 0.76 — 1.00 | 3 | 5 | 7 | 21 | 30 | 29 | 17 | 17 | 18 | 12 | 10 | 5 | 174 |
| 1.01 — 1.50 | 2 | 5 | 9 | 12 | 29 | 29 | 25 | 26 | 18 | 14 | 10 | 3 | 182 |
| 1.51 — 2.00 | 0 | 1 | 2 | 6 | 15 | 15 | 8 | 10 | 10 | 6 | 4 | 2 | 79 |
| 2.01 — 3.00 | 0 | 1 | * | 4 | 8 | 10 | 7 | 7 | 7 | 3 | 1 | 0 | 48 |
| 3.01 and over | 0 | 0 | 1 | 2 | 2 | 4 | 3 | 4 | 2 | 1 | 0 | * | 19 |
| Total | 159 | 200 | 228 | 339 | 446 | 416 | 318 | 337 | 320 | 261 | 187 | 176 | 3,387 |

SOUTHEAST SECTION

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| 0.01 — 0.25 | 197 | 181 | 233 | 249 | 293 | 211 | 184 | 206 | 192 | 178 | 157 | 175 | 2,456 |
| 0.26 — 0.50 | 46 | 52 | 62 | 88 | 101 | 85 | 63 | 62 | 64 | 65 | 46 | 45 | 779 |
| 0.51 — 0.75 | 18 | 22 | 25 | 49 | 57 | 52 | 31 | 37 | 41 | 37 | 26 | 18 | 413 |
| 0.76 — 1.00 | 7 | 9 | 23 | 36 | 36 | 29 | 36 | 26 | 27 | 21 | 15 | 12 | 277 |
| 1.01 — 1.50 | 7 | 8 | 21 | 31 | 33 | 39 | 26 | 19 | 32 | 23 | 16 | 6 | 261 |
| 1.51 — 2.00 | 1 | 3 | 4 | 9 | 18 | 15 | 16 | 13 | 17 | 12 | 7 | 6 | 121 |
| 2.01 — 3.00 | 1 | 1 | 4 | 7 | 13 | 16 | 9 | 9 | 12 | 7 | 5 | 2 | 86 |
| 3.01 and over | 0 | * | 1 | 2 | 3 | 6 | 4 | 2 | 7 | 3 | * | 0 | 28 |
| Total | 277 | 276 | 373 | 471 | 554 | 453 | 369 | 374 | 392 | 346 | 272 | 264 | 4,421 |

* Less than 1/2

DISTRIBUTION OF DAILY PRECIPITATION BY 6-HOURLY PERIODS (1936-1945)

(Percentages of seasonal and annual precipitation compiled for periods ending at 6:00 a. m. and p. m., noon and midnight.)

CONCORDIA

| WINTER | | | | SPRING | | | | SUMMER | | | | FALL | | | | ANNUAL | | | |
|--------------------|------|------|-------|-------------------|------|------|-------|--------------------|------|------|-------|--------------------|------|------|-------|--------|------|------|-------|
| Dec. - Jan. - Feb. | | | | Mar. - Apr. - May | | | | June - July - Aug. | | | | Sep. - Oct. - Nov. | | | | | | | |
| 6 am | Noon | 6 pm | Mid't | 6 am | Noon | 6 pm | Mid't | 6 am | Noon | 6 pm | Mid't | 6 am | Noon | 6 pm | Mid't | 6 am | Noon | 6 pm | Mid't |
| 34 | 26 | 22 | 18 | 30 | 21 | 21 | 28 | 33 | 19 | 14 | 34 | 31 | 19 | 22 | 28 | 32 | 21 | 18 | 29 |

DODGE CITY

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 24 | 19 | 27 | 30 | 24 | 20 | 26 | 30 | 33 | 12 | 16 | 39 | 30 | 20 | 23 | 27 | 29 | 17 | 21 | 33 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

TOPEKA

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 27 | 26 | 26 | 21 | 29 | 21 | 23 | 27 | 33 | 26 | 16 | 25 | 34 | 19 | 22 | 25 | 31 | 23 | 21 | 25 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

WICHITA

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 26 | 25 | 25 | 24 | 30 | 22 | 22 | 26 | 30 | 19 | 17 | 34 | 30 | 23 | 18 | 29 | 30 | 21 | 20 | 29 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

KANSAS CITY, MO.

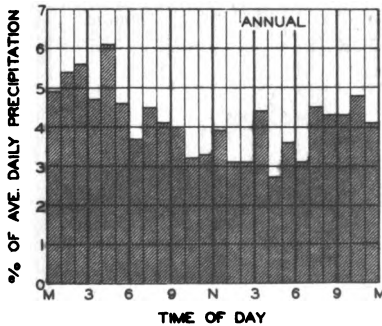
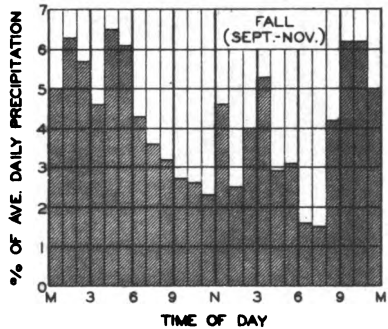
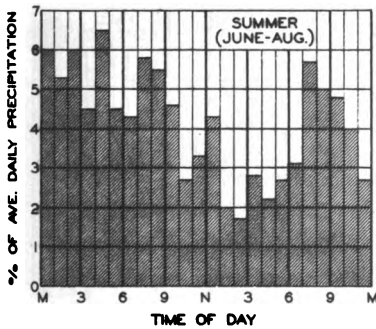
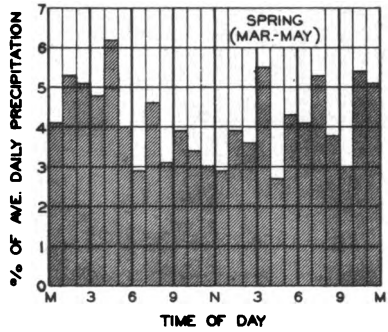
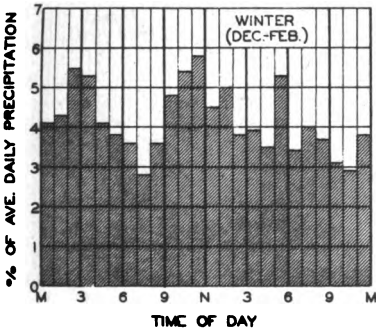
| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 24 | 24 | 26 | 26 | 29 | 20 | 26 | 25 | 35 | 24 | 18 | 23 | 33 | 24 | 25 | 18 | 31 | 23 | 23 | 23 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

S T. JOSEPH, MO.

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 25 | 22 | 28 | 25 | 25 | 21 | 23 | 31 | 32 | 25 | 14 | 29 | 35 | 22 | 20 | 23 | 30 | 23 | 19 | 28 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

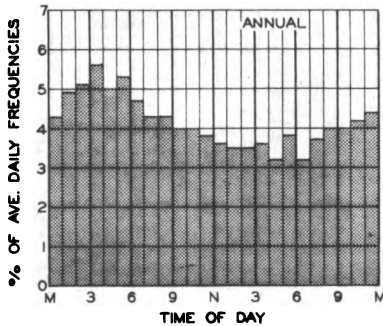
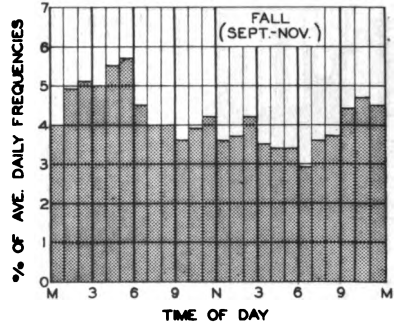
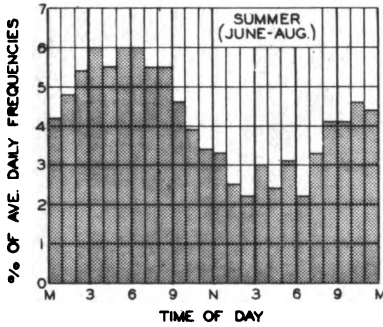
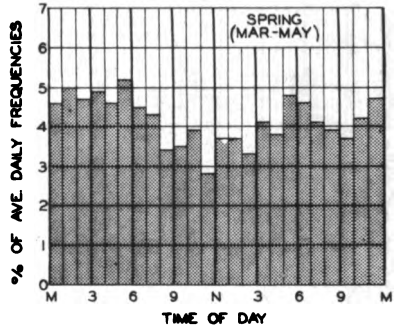
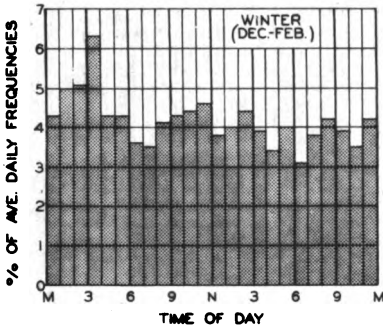
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AVERAGE HOURLY DISTRIBUTION OF PRECIPITATION
 MEASURABLE AMOUNTS
 TOPEKA, KANSAS, 1936-1945



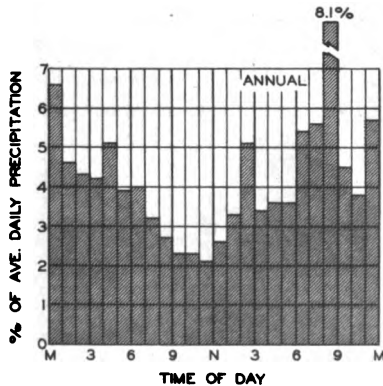
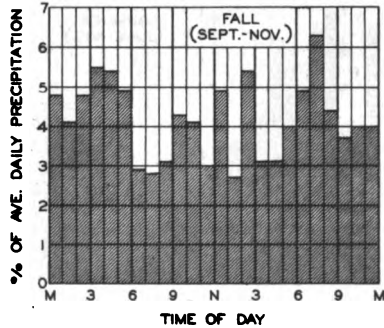
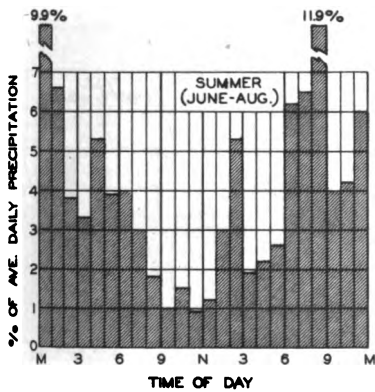
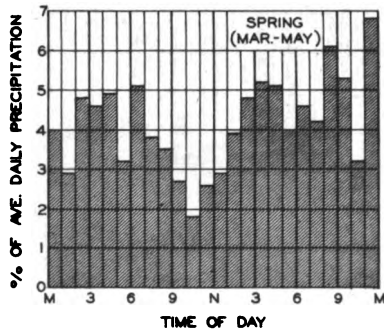
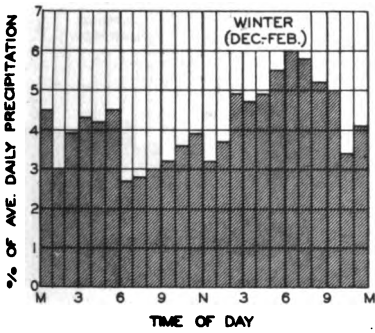
At Topeka, representative of eastern Kansas, only 42 per cent of the summer rains fall between 6 a. m. and 6 p. m., which results in less interruption to farm work than if they were evenly distributed, midnight to midnight. Winter and spring precipitation is more evenly distributed.

AVERAGE HOURLY FREQUENCY OF PRECIPITATION
MEASURABLE AMOUNTS
TOPEKA, KANSAS, 1936-1945



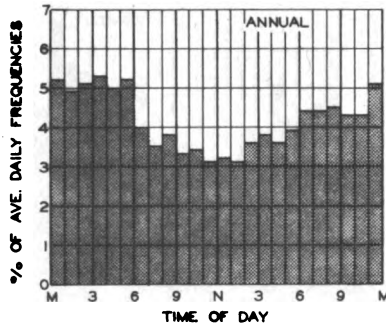
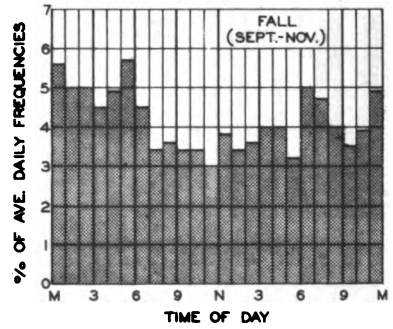
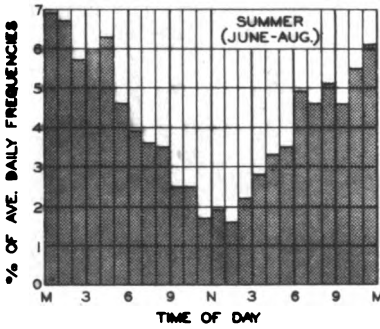
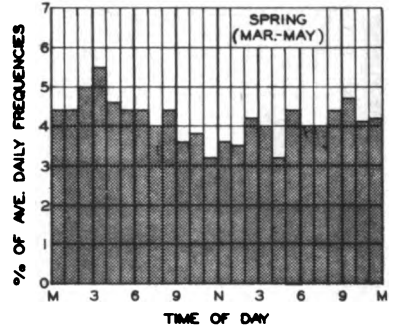
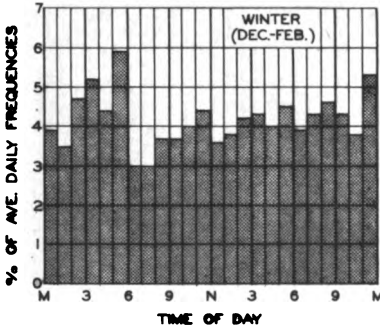
At Topeka, representative of eastern Kansas, there is a marked decrease in the frequency of summer rains between 9 a.m. and noon and little increase in the afternoon. In other months occurrence of precipitation is more evenly distributed.

AVERAGE HOURLY DISTRIBUTION OF PRECIPITATION
MEASURABLE AMOUNTS
DODGE CITY, KANSAS, 1936-1945



At Dodge City, representative of western Kansas, only 28 per cent of summer rains fall from 6 a.m. to 6 p.m. and there is comparatively little interruption to farm work. Winter and spring precipitation is more evenly distributed.

AVERAGE HOURLY FREQUENCY OF PRECIPITATION
MEASURABLE AMOUNTS
DODGE CITY, KANSAS, 1936-1945



At Dodge City, representative of western Kansas, there is a marked decrease in frequency of summer rains between 5 a. m. and mid-day with a corresponding increase from 2 p. m. to midnight. In other months occurrence of precipitation is more evenly distributed.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

ATCHISON, ATCHISON COUNTY. — Elevation, 973 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|-------|------|------|------|------|------|------|--------|
| 1931 | 0.50 | 0.69 | 2.21 | 3.22 | 3.96 | 2.22 | 3.38 | 4.83 | 8.91 | 2.60 | 8.01 | 3.09 | 43.62 |
| 1932 | 1.46 | 1.33 | 1.83 | 3.24 | 4.34 | 6.19 | 4.37 | 5.97 | 2.67 | 1.02 | 0.68 | 1.84 | 34.94 |
| 1933 | 0.51 | 0.37 | 3.30 | 1.72 | 3.40 | 4.12 | 2.86 | 6.03 | 2.49 | 0.91 | 0.53 | 1.70 | 27.94 |
| 1934 | 0.43 | 1.23 | 0.38 | 2.66 | 2.28 | 7.02 | 1.21 | 2.45 | 6.86 | 1.09 | 4.71 | 0.25 | 30.57 |
| 1935 | 0.91 | 1.22 | 0.51 | 2.63 | 9.58 | 5.74 | 0.49 | 2.05 | 3.48 | 3.49 | 2.71 | 0.36 | 33.17 |
| 1936 | 1.96 | 0.17 | 0.12 | 2.83 | 5.80 | 2.63 | 0.76 | 1.07 | 8.41 | 2.32 | 0.01 | 2.32 | 28.40 |
| 1937 | 2.34 | 0.39 | 1.51 | 2.22 | 3.92 | 1.18 | 5.53 | 2.35 | 1.88 | 1.32 | 1.43 | 0.82 | 24.89 |
| 1938 | 1.39 | 0.69 | 1.79 | 2.63 | 7.02 | 3.57 | 7.56 | 7.85 | 1.01 | 0.01 | 1.92 | 0.63 | 36.07 |
| 1939 | 0.67 | 2.05 | 3.63 | 2.88 | 1.63 | 6.84 | 0.61 | 4.20 | 0.47 | 1.63 | 2.37 | 0.77 | 27.75 |
| 1940 | 1.24 | 1.19 | 1.77 | 2.41 | 3.40 | 3.62 | 3.13 | 7.55 | 2.01 | 1.24 | 2.78 | 1.13 | 31.47 |
| 1941 | 2.89 | 0.13 | 0.96 | 6.37 | 3.14 | 9.76 | 3.61 | 4.88 | 4.60 | 9.47 | 0.84 | 1.66 | 48.31 |
| 1942 | 0.50 | 2.36 | 1.43 | 1.72 | 5.18 | 4.26 | 2.61 | 7.21 | 4.27 | 1.76 | 1.18 | 2.04 | 34.54 |
| 1943 | 0.13 | 0.26 | 0.44 | 1.08 | 4.91 | 12.09 | 3.30 | 1.97 | 2.45 | 1.21 | 0.71 | 2.15 | 30.72 |
| 1944 | 0.66 | 0.91 | 3.87 | 8.70 | 2.96 | 4.35 | 2.96 | 7.93 | 0.93 | 1.28 | 2.93 | 4.36 | 41.86 |
| 1945 | 0.50 | 1.01 | 4.30 | 7.19 | 6.47 | 9.25 | 3.13 | 1.36 | 4.87 | 0.60 | 0.70 | 1.53 | 40.91 |
| 1946 | 1.98 | 0.43 | 4.22 | 2.19 | 2.46 | 4.99 | 1.67 | 2.21 | 4.10 | 2.41 | 0.55 | 2.17 | 29.38 |
| Normal | 1.03 | 1.29 | 2.09 | 3.16 | 4.62 | 4.73 | 3.53 | 4.20 | 4.72 | 2.97 | 1.97 | 1.07 | 34.98 |

HEMBRA, DOWNHAM COUNTY. — Elevation, 1110 feet

| | | | | | | | | | | | | | |
|--------|-------|-------|------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|
| 1940 | — | — | — | — | — | 3.27 | 1.13 | 5.57 | 1.68 | 0.89 | 2.10 | 1.01 | — |
| 1941 | 1.62 | 0.24 | 0.95 | 6.46 | 3.53 | 6.96 | 2.98 | 2.56 | 3.72 | *8.46 | 0.74 | *1.70 | 39.92 |
| 1942 | 0.35 | *1.60 | 1.71 | 0.66 | *5.64 | 6.07 | 2.32 | 7.35 | 4.86 | 1.98 | 1.31 | 2.23 | 36.08 |
| 1943 | 0.15 | 0.75 | 0.38 | 1.03 | 6.04 | 13.47 | 5.13 | *1.46 | 2.77 | *1.06 | *0.70 | *2.22 | 35.16 |
| 1944 | *0.66 | 0.55 | 3.45 | 10.11 | 5.41 | 3.66 | 1.62 | 11.06 | 0.49 | 1.11 | *2.17 | *4.00 | 44.29 |
| 1945 | 0.36 | 1.48 | 3.13 | 6.68 | 5.32 | 9.68 | 2.90 | 1.42 | 5.68 | 0.67 | 0.38 | 1.20 | 38.90 |
| 1946 | 2.12 | 0.26 | 4.40 | 1.87 | 2.82 | 4.76 | 2.20 | 1.93 | 7.13 | 2.08 | 0.99 | *1.30 | 31.86 |
| Normal | 1.00 | 1.25 | 2.00 | 3.00 | 4.50 | 4.90 | 3.00 | 3.65 | 4.54 | 2.50 | 1.80 | 1.00 | 33.14 |

METHUEN, WYANDOTTE COUNTY. — Elevation, 1013 feet

| | | | | | | | | | | | | | |
|--------|-------|------|------|------|------|------|-------|------|------|-------|------|------|-------|
| 1941 | *4.35 | 0.35 | 1.28 | 4.75 | 2.16 | 7.81 | 3.54 | 5.16 | 5.03 | 12.70 | 1.18 | 1.47 | 49.78 |
| 1942 | 0.45 | 3.13 | 1.85 | 4.83 | 4.49 | 6.82 | 2.46 | 6.87 | 4.10 | 2.90 | 3.90 | 3.48 | 45.28 |
| 1943 | 0.20 | 0.81 | 0.89 | 1.81 | 6.03 | 8.80 | 4.09 | 2.99 | 2.90 | 2.61 | 0.29 | 1.63 | 33.05 |
| 1944 | 0.50 | 1.94 | 4.99 | 7.46 | 4.21 | 3.56 | *6.30 | 8.76 | 3.03 | 1.38 | 3.44 | 4.32 | 49.89 |
| 1945 | 0.49 | 0.63 | 3.94 | — | — | — | — | — | — | — | — | — | — |
| 1946 | 3.75 | 0.48 | 2.52 | 3.91 | 2.61 | 7.06 | 0.97 | 4.07 | 3.84 | 2.79 | 1.11 | 1.39 | 34.50 |
| Normal | 1.20 | 1.07 | 2.40 | 3.20 | 4.85 | 4.50 | 3.60 | 4.15 | 4.50 | 2.85 | 1.12 | 1.30 | 34.74 |

BLUE RAPIDS, MARSHALL COUNTY. — Elevation, 1175 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|-------|------|-------|------|------|-------|
| 1931 | 0.25 | 0.99 | 1.42 | 2.85 | 3.03 | 0.64 | 2.16 | 5.11 | 7.49 | 2.57 | 2.67 | 0.94 | 29.72 |
| 1932 | 1.49 | 0.82 | 1.00 | 1.20 | 3.21 | 3.60 | 3.50 | 4.89 | 3.58 | 1.52 | 0.32 | 1.24 | 26.37 |
| 1933 | 0.17 | 0.09 | 2.32 | 1.71 | 3.39 | 0.88 | 2.64 | 5.19 | 3.27 | 0.55 | 0.10 | 1.10 | 21.41 |
| 1934 | 0.26 | 0.75 | 0.37 | 0.32 | 2.26 | 2.37 | 0.92 | 0.61 | 3.47 | 0.77 | 3.26 | 0.33 | 15.69 |
| 1935 | 0.03 | 0.49 | 0.57 | 1.29 | 5.34 | 7.02 | 0.95 | 2.82 | 5.86 | 3.91 | 2.91 | 0.17 | 31.36 |
| 1936 | 1.05 | 0.27 | 0.18 | 2.39 | 4.38 | 1.30 | 0.75 | 2.27 | 5.71 | 1.07 | T | 0.64 | 20.01 |
| 1937 | 1.40 | 2.93 | 2.29 | 0.67 | 2.26 | 2.94 | 3.53 | 1.49 | 1.39 | 1.83 | 0.63 | 0.19 | 21.55 |
| 1938 | 0.38 | 0.94 | 2.17 | 1.79 | 7.77 | 4.65 | 6.05 | 3.53 | 2.16 | 0.46 | 2.26 | 0.10 | 32.26 |
| 1939 | 0.47 | 0.84 | 1.71 | 3.33 | 2.75 | 9.68 | 2.24 | 2.97 | 0.67 | 1.42 | 0.77 | 0.55 | 27.40 |
| 1940 | 0.64 | 1.07 | 0.44 | 2.39 | 1.57 | 2.72 | 0.84 | 8.04 | 0.83 | 1.56 | 1.81 | 1.11 | 23.02 |
| 1941 | 0.99 | 0.19 | 0.72 | 0.67 | 3.52 | 4.59 | 1.05 | 8.09 | 3.75 | 11.17 | 0.65 | 1.63 | 37.02 |
| 1942 | 0.78 | 1.13 | 2.00 | 1.44 | 4.58 | 4.45 | 1.29 | 3.77 | 5.26 | 2.20 | 0.65 | 1.93 | 29.48 |
| 1943 | 0.03 | 0.86 | 0.80 | 1.26 | 4.08 | 9.03 | 1.99 | 1.54 | 1.35 | 1.05 | 0.62 | 1.02 | 23.63 |
| 1944 | 0.83 | 0.88 | 3.36 | 5.73 | 4.99 | 4.05 | 4.82 | 14.44 | 1.59 | 0.91 | 2.32 | 1.75 | 45.67 |
| 1945 | 0.67 | 1.17 | 2.59 | 6.23 | 8.96 | 5.77 | 4.59 | 1.69 | 3.22 | *0.52 | 0.83 | 0.77 | 37.01 |
| 1946 | 0.47 | 0.10 | 2.85 | 1.23 | 2.02 | 4.19 | 6.92 | 2.43 | 8.65 | 4.23 | 1.47 | 0.47 | 35.03 |
| Normal | 0.60 | 0.94 | 1.40 | 2.60 | 3.54 | 4.44 | 3.01 | 3.57 | 3.65 | 2.28 | 1.50 | 0.77 | 28.30 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

BONNER SPRINGS, WYANDOTTE COUNTY. — Elevation, 806 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|------|------|------|------|------|-------|-------|-------|------|------|--------|
| 1938 | *1.70 | 0.94 | 2.60 | 2.12 | 8.65 | 4.32 | 2.97 | 3.95 | 3.05 | 0.48 | 2.44 | 0.45 | 33.67 |
| 1939 | *0.85 | 1.56 | 1.45 | 5.79 | 1.77 | 7.05 | 1.06 | *5.40 | 0.46 | 0.80 | 2.14 | 1.16 | 29.49 |
| 1940 | 1.47 | 0.82 | 2.02 | 4.84 | 6.99 | 4.25 | 4.25 | 12.53 | *2.10 | *1.95 | 4.02 | 1.32 | 46.56 |
| 1941 | 3.63 | 0.85 | 1.11 | 4.50 | 1.97 | 5.19 | 2.70 | 4.81 | 6.09 | 9.69 | 1.06 | 1.33 | 42.93 |
| 1942 | 0.29 | 2.57 | 2.09 | 3.84 | 5.46 | 9.50 | 3.19 | 6.41 | 5.30 | 2.83 | 3.08 | 3.92 | 48.48 |
| 1943 | 0.39 | 0.85 | 1.77 | 1.86 | 6.34 | 9.17 | 7.70 | 2.80 | 3.15 | 2.29 | 0.28 | 1.98 | 38.58 |
| 1944 | 0.51 | 2.18 | 4.96 | 8.41 | 3.78 | 3.10 | 4.10 | 7.73 | 3.78 | 1.10 | 3.59 | 4.72 | 47.96 |
| 1945 | 0.66 | 1.16 | 4.66 | 7.19 | 5.91 | 6.77 | 1.77 | 0.41 | 5.06 | 0.95 | 0.51 | 1.52 | 36.57 |
| 1946 | 3.11 | 0.70 | 2.29 | 3.76 | 2.92 | 6.59 | 0.72 | 4.13 | 3.59 | 2.91 | 0.98 | 1.31 | 33.01 |
| Normal | 1.25 | 1.35 | 2.40 | 3.16 | 4.85 | 4.60 | 3.60 | 4.10 | 4.45 | 2.88 | 2.15 | 1.25 | 36.04 |

BURLINGTON, COFFEY COUNTY. — Elevation, 1,010 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|-------|------|------|------|------|------|------|------|-------|
| 1931 | 0.72 | 1.31 | 2.91 | 3.17 | 4.26 | 2.70 | 1.08 | 1.63 | 5.25 | 2.63 | 9.52 | 0.90 | 36.08 |
| 1932 | 1.35 | 1.24 | 2.15 | 2.42 | 5.32 | 6.62 | 6.22 | 1.53 | 2.83 | 1.48 | 0.80 | 2.04 | 34.00 |
| 1933 | 0.87 | 0.42 | 2.82 | 3.26 | 5.80 | 0.16 | 4.04 | 4.41 | 3.37 | 1.28 | 0.81 | 1.78 | 29.02 |
| 1934 | 0.52 | 1.25 | 0.65 | 2.85 | 7.88 | 4.19 | 3.11 | T | 5.88 | 1.44 | 5.58 | 0.83 | 34.18 |
| 1935 | 1.10 | 1.20 | 0.75 | 2.68 | 9.54 | 7.16 | 0.32 | 4.38 | 3.76 | 6.90 | 4.69 | 0.36 | 42.84 |
| 1936 | 1.18 | 0.25 | 0.09 | 0.71 | 5.49 | 0.46 | 0.15 | 0.70 | 7.67 | 2.47 | 0.20 | 3.72 | 23.09 |
| 1937 | 1.76 | 0.78 | 2.81 | 1.85 | 7.53 | 6.79 | 4.52 | 3.63 | 2.78 | 1.73 | 1.73 | 1.32 | 37.23 |
| 1938 | 1.12 | 2.63 | 3.31 | 2.66 | 15.34 | 7.00 | 3.75 | 1.79 | 4.03 | 0.33 | 3.20 | 0.05 | 45.21 |
| 1939 | 1.01 | 1.84 | 1.59 | 2.64 | 3.55 | 2.30 | 0.67 | 5.08 | 0.70 | 1.67 | 1.29 | 0.60 | 22.94 |
| 1940 | 1.37 | 0.97 | 2.07 | 5.82 | 2.79 | 3.34 | 2.04 | 3.92 | 4.89 | 1.33 | 3.74 | 2.15 | 34.43 |
| 1941 | 4.89 | 0.54 | 0.60 | 5.32 | 11.45 | 7.84 | 5.17 | 7.19 | 9.93 | 9.11 | 1.57 | 1.70 | 65.31 |
| 1942 | 0.68 | 2.11 | 1.37 | 6.63 | 2.46 | 8.21 | 4.30 | 7.66 | 8.74 | 2.54 | 1.79 | 2.43 | 48.92 |
| 1943 | 0.20 | 0.85 | 1.40 | 2.22 | 8.26 | 7.53 | 1.74 | 3.47 | 4.71 | 3.52 | 0.16 | 2.05 | 36.11 |
| 1944 | 0.54 | 1.62 | 4.26 | 10.49 | 1.64 | 4.89 | 3.98 | 6.64 | 2.06 | 3.18 | 3.14 | 3.70 | 46.14 |
| 1945 | 0.30 | 1.02 | 7.68 | 9.61 | 5.07 | 7.59 | 2.86 | 4.83 | 9.20 | 0.85 | 0.31 | 1.12 | 50.44 |
| 1946 | 2.94 | 1.17 | 3.19 | 5.10 | 2.15 | 3.33 | 1.71 | 1.79 | 4.39 | 3.70 | 2.37 | 2.30 | 34.14 |
| Normal | 1.13 | 1.33 | 2.36 | 3.43 | 5.36 | 5.28 | 3.39 | 3.94 | 4.68 | 2.94 | 2.14 | 1.29 | 37.27 |

CARBONDALE, OSAGE COUNTY. — Elevation, 1,078 feet

(Record from Jan. 1943 through Feb. 1945 taken at Burlingame, 12 miles southwest of Carbondale.)

| | | | | | | | | | | | | | |
|--------|-------|-------|------|-------|-------|-------|-------|------|------|------|-------|------|-------|
| 1931 | 0.61 | 1.62 | 1.89 | 3.31 | 6.03 | 2.16 | 3.58 | 4.96 | 5.70 | 2.56 | 10.16 | 0.71 | 43.29 |
| 1932 | 0.89 | 0.29 | 0.90 | 3.36 | 2.54 | 6.79 | 5.98 | 4.27 | 2.68 | 1.15 | 0.43 | 1.44 | 30.72 |
| 1933 | 0.14 | 0.13 | 2.79 | 3.10 | 4.24 | 0.57 | 4.33 | 6.62 | 1.76 | 0.40 | 0.72 | 1.12 | 25.92 |
| 1934 | *0.40 | *0.85 | 0.60 | 2.31 | 6.32 | 2.23 | 2.39 | 1.49 | 6.03 | 1.29 | 5.33 | 0.32 | 29.56 |
| 1935 | 0.96 | 1.21 | 0.79 | 2.01 | 11.82 | *5.50 | *0.08 | 5.35 | 4.11 | 5.55 | 4.42 | 0.24 | 42.04 |
| 1936 | 1.47 | 0.23 | 0.25 | 2.15 | 4.56 | 0.32 | 0.29 | 1.20 | 7.31 | 2.03 | 0.14 | 2.18 | 22.13 |
| 1937 | 2.26 | 0.59 | 2.71 | 1.95 | 3.18 | 1.25 | 3.87 | 6.64 | 1.50 | 1.13 | 1.59 | 0.90 | 27.57 |
| 1938 | 0.82 | 1.06 | 2.24 | 1.78 | 10.16 | 4.30 | 3.27 | 4.04 | 3.64 | 0.32 | 2.17 | 0.10 | 33.90 |
| 1939 | 0.58 | 1.39 | 0.94 | 3.26 | 0.98 | 9.67 | 0.35 | 4.21 | 0.42 | 1.06 | 2.09 | 0.55 | 25.50 |
| 1940 | 1.33 | 1.13 | 1.44 | 4.95 | 4.64 | 2.07 | 0.50 | 4.30 | 1.56 | 1.95 | 3.94 | 1.26 | 29.07 |
| 1941 | 3.56 | 0.11 | 1.20 | 2.67 | 6.47 | 4.89 | 2.34 | 5.98 | 4.58 | 9.70 | 1.08 | 1.75 | 44.33 |
| 1942 | 0.35 | 1.65 | 0.83 | 4.01 | 6.48 | 5.80 | 1.18 | 5.22 | 6.09 | 2.85 | 1.46 | 3.11 | 39.03 |
| 1943 | *0.18 | 0.89 | 1.10 | 1.83 | 4.15 | 11.15 | 2.66 | 2.70 | 4.44 | 2.10 | 0.39 | 1.68 | 33.27 |
| 1944 | 0.72 | 1.25 | 4.78 | 10.83 | 2.10 | 3.32 | 4.57 | 7.20 | 1.83 | 3.12 | 3.96 | 4.74 | 48.42 |
| 1945 | 0.47 | 0.85 | — | — | — | — | — | — | — | — | — | — | — |
| Normal | 0.96 | 1.18 | 1.91 | 3.16 | 5.00 | 4.68 | 3.60 | 4.10 | 4.09 | 2.70 | 2.10 | 1.10 | 34.58 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

CENTRALIA, NEMAHA COUNTY. — Elevation, 1,256 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|-------|-------|-------|------|------|--------|
| 1931 | 0.25 | 0.40 | 1.50 | 2.77 | 1.95 | 0.78 | 4.01 | 3.75 | 8.54 | 3.00 | 4.83 | 1.73 | 33.51 |
| 1932 | 1.30 | 1.21 | 1.00 | 2.67 | 3.30 | 4.64 | 3.40 | 8.30 | 1.91 | 1.31 | 0.74 | 1.54 | 31.32 |
| 1933 | 0.22 | 0.15 | 1.97 | 1.12 | 6.33 | 0.62 | 3.54 | 5.71 | 5.02 | 1.43 | 0.24 | 0.90 | 27.25 |
| 1934 | 0.28 | 0.75 | 0.46 | 1.91 | 2.87 | 3.91 | 0.79 | 3.97 | 5.04 | 0.94 | 3.75 | 0.37 | 25.04 |
| 1935 | 0.17 | 1.00 | 0.46 | 1.19 | 4.39 | 7.41 | 3.20 | 4.02 | 4.24 | 3.05 | 2.35 | 0.36 | 31.84 |
| 1936 | 1.62 | 0.60 | 0.15 | 3.83 | 5.72 | 0.80 | 0.29 | 0.88 | 5.91 | 2.32 | 0.04 | 1.21 | 23.37 |
| 1937 | 1.83 | 1.13 | 2.10 | 2.12 | 2.20 | 2.69 | 5.15 | 2.53 | 1.76 | 1.43 | 0.52 | 0.46 | 23.92 |
| 1938 | 0.66 | 0.80 | 2.69 | 1.99 | 7.71 | 5.61 | 4.90 | 3.73 | 0.70 | 0.79 | 2.98 | 0.20 | 32.76 |
| 1939 | 0.35 | 0.98 | 2.23 | 4.27 | 1.41 | 8.57 | 1.45 | 6.81 | 1.50 | 1.23 | 1.18 | 0.70 | 30.68 |
| 1940 | 0.97 | 1.68 | 1.32 | 2.32 | 1.91 | 3.69 | 0.45 | 6.04 | 0.42 | 1.03 | 1.87 | 1.05 | 22.75 |
| 1941 | 1.85 | 0.58 | 0.95 | 2.31 | 4.08 | 7.05 | 1.77 | 5.33 | 4.31 | 10.27 | 0.71 | 1.28 | 40.49 |
| 1942 | 0.94 | 1.45 | 1.80 | 1.22 | 4.66 | 3.58 | 1.64 | 4.68 | 3.71 | 2.94 | 1.02 | 2.60 | 30.24 |
| 1943 | 0.41 | 0.88 | 1.19 | 1.26 | 5.14 | 9.97 | 4.29 | 1.74 | 1.86 | 0.95 | 0.56 | 1.75 | 30.00 |
| 1944 | 0.55 | 0.90 | 3.16 | 6.89 | 4.92 | 5.61 | 4.24 | 10.31 | 1.87 | 1.42 | 1.96 | 2.33 | 44.16 |
| 1945 | 0.60 | 2.05 | 1.96 | 5.90 | 6.61 | 3.26 | 2.53 | 1.52 | 5.82 | 0.59 | 0.30 | 1.37 | 32.51 |
| 1946 | 0.96 | 0.26 | 3.91 | 1.35 | 2.96 | 5.15 | 2.49 | 2.86 | 11.06 | 2.86 | 1.16 | 0.51 | 35.53 |
| Normal | 0.70 | 1.00 | 1.57 | 2.74 | 3.97 | 4.92 | 3.06 | 3.60 | 3.88 | 2.37 | 1.99 | 0.93 | 30.33 |

CHANUTE, NEOSHO COUNTY. — Elevation, 981 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|-------|------|------|------|--------|
| 1931 | 0.89 | 1.58 | 2.70 | 2.93 | 3.52 | 2.88 | 2.92 | 3.51 | 1.49 | 3.18 | 8.35 | 0.75 | 34.70 |
| 1932 | 1.83 | 0.70 | 0.62 | 3.16 | 1.75 | 3.44 | 5.91 | 1.51 | 2.44 | 1.06 | 0.78 | 2.89 | 26.09 |
| 1933 | 0.63 | 0.50 | 2.43 | 5.57 | 5.60 | 0.27 | 3.56 | 7.21 | 3.91 | 1.06 | 1.06 | 2.50 | 34.30 |
| 1934 | 0.93 | 0.93 | 1.32 | 2.17 | 5.90 | 4.52 | 1.72 | 2.05 | 7.73 | 2.37 | 4.98 | 0.85 | 35.47 |
| 1935 | 1.96 | 1.66 | 1.19 | 3.57 | 17.29 | 10.20 | 0.39 | 1.59 | 2.32 | 4.90 | 7.80 | 0.42 | 53.29 |
| 1936 | 1.10 | 0.03 | 0.24 | 0.85 | 4.89 | 2.49 | T | 0.94 | 8.27 | 3.02 | 0.95 | 1.71 | 24.49 |
| 1937 | 2.31 | 1.23 | 3.62 | 3.09 | 4.62 | 6.62 | 3.60 | 1.05 | 6.94 | 1.51 | 0.85 | 0.84 | 36.28 |
| 1938 | 1.35 | 1.54 | 4.12 | 3.19 | 6.95 | 8.65 | 1.85 | 1.54 | 3.34 | 0.54 | 2.11 | T | 35.18 |
| 1939 | 1.50 | 1.61 | 2.44 | 2.41 | 4.20 | 3.06 | 2.24 | 8.55 | 0.32 | 0.76 | 1.78 | 0.93 | 29.80 |
| 1940 | 1.09 | 1.39 | 2.21 | 5.64 | 5.17 | 7.00 | 1.06 | 4.26 | 1.70 | 1.42 | 4.01 | 1.61 | 38.56 |
| 1941 | 3.75 | 0.83 | 0.63 | 4.95 | 3.41 | 8.63 | 2.62 | 3.18 | 3.22 | 9.00 | 2.12 | 1.15 | 52.19 |
| 1942 | 1.05 | 1.63 | 1.26 | 5.31 | 3.53 | 12.05 | 4.88 | 3.17 | 5.20 | 1.67 | 1.51 | 2.38 | 43.64 |
| 1943 | 0.15 | 1.59 | 1.70 | 1.92 | 15.22 | 10.17 | 4.32 | 1.44 | 6.41 | 2.78 | 0.14 | 2.63 | 48.47 |
| 1944 | 0.57 | 2.78 | 4.40 | 9.18 | 3.11 | 6.46 | 1.93 | 8.05 | 5.58 | 2.65 | 2.14 | 2.63 | 49.48 |
| 1945 | 0.64 | 1.02 | 5.41 | 6.53 | 3.95 | 5.92 | 2.92 | 2.44 | 11.67 | 1.51 | 0.13 | 1.11 | 43.25 |
| 1946 | 2.92 | 1.64 | 1.87 | 2.39 | 2.73 | 2.59 | 0.87 | 3.04 | 4.05 | 3.57 | 3.10 | 0.69 | 29.46 |
| Normal | 1.31 | 1.62 | 2.57 | 4.23 | 5.48 | 5.40 | 3.62 | 3.81 | 4.52 | 3.25 | 2.22 | 1.42 | 39.45 |

CLIMAX, GREENWOOD COUNTY. — Elevation, 1,024 feet

(Record prior to Aug. 1945 made at Eureka, near, 3 miles northwest of Climax.)

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|-------|------|------|------|--------|
| 1931 | 0.55 | 1.63 | 2.20 | 2.61 | 4.53 | 5.41 | 4.31 | 2.04 | 4.11 | 2.28 | 8.24 | 0.86 | 38.77 |
| 1932 | 1.54 | 1.18 | 1.17 | 1.83 | 2.22 | 5.83 | 2.34 | 0.93 | 3.40 | 1.48 | 0.30 | 2.13 | 24.35 |
| 1933 | 0.57 | 0.32 | 1.76 | 1.60 | 3.83 | 0.80 | 5.46 | 6.51 | 1.09 | 2.70 | 0.71 | 2.08 | 27.43 |
| 1934 | 0.55 | 0.89 | 1.49 | 2.53 | 6.24 | 4.21 | 1.37 | 0.31 | 7.23 | 1.99 | 3.98 | 1.07 | 31.86 |
| 1935 | 1.17 | 1.26 | 1.06 | 2.78 | 11.37 | 6.68 | 0.64 | 1.27 | 3.31 | 3.39 | 4.61 | 0.23 | 37.77 |
| 1936 | 0.80 | 0.08 | 0.10 | 0.88 | 4.69 | 0.83 | 0.97 | 0.28 | 5.37 | 3.77 | 0.20 | 4.05 | 22.02 |
| 1937 | 1.09 | 0.45 | 2.49 | 1.49 | 3.13 | 2.49 | 5.22 | 2.71 | 1.49 | 1.49 | 1.54 | 1.09 | 24.68 |
| 1938 | 0.69 | 3.21 | 3.40 | 1.39 | 11.61 | 3.59 | 3.67 | 3.50 | 1.74 | 0.19 | 2.52 | 0.15 | 35.66 |
| 1939 | 0.86 | 1.27 | 2.51 | 1.89 | 4.43 | 5.06 | 1.04 | 2.74 | 0.09 | 1.67 | 0.90 | 0.65 | 23.11 |
| 1940 | 1.28 | 1.11 | 3.06 | 5.59 | 3.62 | 2.14 | 0.46 | 5.91 | 4.23 | 1.00 | 4.13 | 2.17 | 34.70 |
| 1941 | 2.64 | 0.90 | 1.18 | 4.86 | 2.40 | 6.41 | 4.70 | 4.91 | 5.94 | 4.98 | 1.53 | 1.06 | 41.51 |
| 1942 | 0.55 | 2.15 | 2.05 | 5.63 | 2.32 | 6.46 | 4.18 | 5.33 | 8.78 | 3.30 | 0.77 | 2.80 | 44.32 |
| 1943 | 0.46 | 0.76 | 1.14 | 0.88 | 11.21 | 6.36 | 1.94 | 1.07 | 3.47 | 2.41 | 0.12 | 2.43 | 32.25 |
| 1944 | 0.89 | 1.59 | 5.35 | 8.11 | 4.41 | 2.88 | 2.55 | 5.43 | 3.29 | 2.30 | 1.97 | 3.94 | 42.71 |
| 1945 | 0.49 | 1.26 | 5.56 | 8.72 | 2.00 | 5.15 | 3.96 | 1.84 | 11.82 | 0.91 | 0.06 | 0.80 | 42.57 |
| 1946 | 2.24 | 1.24 | 2.90 | 3.70 | 2.28 | 3.24 | 0.70 | 2.47 | 4.33 | 2.73 | 3.27 | 1.47 | 30.57 |
| Normal | 0.89 | 1.24 | 2.01 | 3.28 | 4.98 | 4.42 | 3.53 | 3.36 | 3.94 | 2.83 | 2.01 | 1.22 | 33.71 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

COFFEYVILLE, MONTGOMERY COUNTY. — Elevation, 744 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|-------|------|-------|-------|------|------|-------|-------|------|-------|--------|
| 1931 | 1.08 | 1.74 | 2.92 | 2.33 | 2.76 | 2.32 | 2.58 | 2.44 | 1.41 | 3.08 | 8.05 | 0.69 | 31.40 |
| 1932 | 3.07 | 1.82 | 0.87 | 2.68 | 2.20 | 6.80 | 4.07 | 1.67 | 1.85 | 2.24 | 0.94 | 4.56 | 32.77 |
| 1933 | 1.68 | 1.12 | 3.17 | 5.87 | 5.45 | 0.71 | 2.60 | 4.54 | *2.55 | *3.20 | 1.34 | 2.34 | 34.57 |
| 1934 | 1.65 | 1.14 | *0.80 | 4.83 | *4.44 | *2.50 | 1.42 | 5.52 | 11.45 | 1.79 | 5.10 | *0.95 | 41.59 |
| 1935 | 2.49 | *1.57 | 3.88 | 2.38 | 6.12 | 9.22 | 0.90 | 3.79 | 5.18 | 6.75 | 2.97 | 1.45 | 46.70 |
| 1936 | 0.40 | 0.52 | 0.60 | 2.62 | 5.42 | 5.57 | 5.58 | T | 9.66 | 6.80 | 3.55 | 1.83 | 42.55 |
| 1937 | 2.79 | 0.87 | 3.11 | 2.85 | 4.18 | 7.86 | 8.52 | 2.21 | 6.64 | 1.61 | 1.28 | 0.95 | 42.87 |
| 1938 | 2.06 | 2.20 | 4.97 | 2.06 | 7.99 | 4.26 | 3.56 | 5.13 | 0.35 | 0.65 | 2.28 | 0.74 | 36.25 |
| 1939 | 2.52 | 1.71 | 2.30 | 1.62 | 7.59 | 5.50 | 1.35 | 2.33 | 0.70 | 0.83 | 1.33 | 1.53 | 29.31 |
| 1940 | 0.69 | 1.59 | 0.63 | 5.76 | 2.03 | 5.05 | 5.34 | 5.39 | 7.53 | 1.35 | 4.42 | 1.19 | 40.97 |
| 1941 | 2.79 | 1.12 | 0.42 | 8.14 | 1.77 | 9.10 | 0.89 | 7.01 | 7.50 | 15.21 | 1.70 | 1.11 | 56.76 |
| 1942 | 0.94 | 1.49 | 2.77 | 9.39 | 3.31 | 8.40 | 3.41 | 6.74 | 5.30 | 3.59 | 1.28 | 2.13 | 48.75 |
| 1943 | 0.04 | 0.72 | 2.92 | 1.59 | 18.79 | 5.69 | 0.90 | 0.69 | 8.52 | 3.25 | T | 2.37 | 45.48 |
| 1944 | 0.83 | 1.90 | 2.71 | 7.20 | 4.17 | 2.79 | 1.18 | 7.53 | 7.59 | 4.15 | 2.44 | 2.25 | 44.74 |
| 1945 | 0.93 | 2.17 | 4.28 | 6.35 | 2.32 | 4.92 | 6.37 | 1.63 | 11.55 | 0.82 | 0.47 | 1.00 | 42.81 |
| 1946 | 4.26 | 2.29 | 1.73 | 2.83 | 3.91 | 1.22 | 0.56 | 4.17 | 3.91 | 2.15 | 5.92 | 0.38 | 33.33 |
| Normal | 1.50 | 1.65 | 2.55 | 3.88 | 4.50 | 5.68 | 3.68 | 3.40 | 4.40 | 3.73 | 2.40 | 1.50 | 38.87 |

COLUMBUS, CHEROKEE COUNTY. — Elevation, 898 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|-------|------|------|-------|-------|------|-------|--------|
| 1931 | 0.73 | 1.85 | 2.53 | 2.47 | 5.76 | 1.73 | 5.35 | 5.13 | 0.37 | 3.15 | 6.65 | 0.48 | 36.20 |
| 1932 | 3.25 | 0.79 | 0.90 | 3.34 | 3.24 | 7.00 | 5.27 | 2.49 | 1.68 | 2.67 | 1.04 | 5.83 | 37.50 |
| 1933 | 2.27 | 0.74 | 1.46 | 4.62 | 5.78 | 0.50 | 4.05 | 3.29 | 3.92 | 2.23 | 1.51 | 1.93 | 32.30 |
| 1934 | 1.45 | 1.50 | 1.12 | 4.24 | 2.17 | 0.74 | 1.77 | 1.44 | 10.69 | 1.10 | 5.72 | 0.98* | 32.92 |
| 1935 | 2.19 | 1.47 | 3.36 | 2.53 | 9.22 | 13.25 | 0.23 | 5.12 | 2.68 | 6.42 | 2.83 | 1.19 | 50.49 |
| 1936 | 0.63 | 0.80 | 1.33 | 3.36 | 2.65 | 2.87 | 1.75 | 0.17 | 7.22 | 3.96 | 1.75 | 2.53 | 29.42 |
| 1937 | 4.32 | 1.39 | 2.18 | 2.39 | 4.09 | 6.65 | 7.38 | 0.92 | 2.09 | 1.64 | 1.23 | 1.23 | 35.51 |
| 1938 | 2.25 | 2.80 | 5.21 | 2.32 | 7.98 | 7.36 | 2.93 | 2.26 | 1.42 | 0.81 | 2.79 | 1.22 | 39.35 |
| 1939 | 1.72 | 1.58 | 2.28 | 2.07 | 6.46 | 6.26 | 2.02 | 2.60 | 1.18 | 2.89 | 2.11 | 1.19 | 32.36 |
| 1940 | 0.76 | 1.44 | 1.39 | 4.69 | 2.56 | 6.09 | 2.16 | 7.37 | 1.68 | 1.94 | 3.80 | 1.56 | 35.44 |
| 1941 | 2.92 | 0.98 | 0.55 | 8.48 | 1.55 | 6.09 | 2.76 | 6.00 | 9.13 | 14.06 | 1.89 | 1.67 | 56.08 |
| 1942 | 1.16 | 1.29 | 1.11 | 7.22 | 2.59 | 9.20 | 3.86 | 2.26 | 6.66 | 3.25 | 1.85 | 4.16 | 44.61 |
| 1943 | 0.06 | 0.98 | 2.99 | 2.76 | 18.37 | 5.36 | 0.78 | 1.52 | 6.00 | 3.89 | 0.08 | 2.05 | 44.84 |
| 1944 | 0.81 | 2.76 | 4.23 | 5.04 | 3.41 | 6.51 | 2.21 | 8.48 | 4.13 | 2.89 | 1.84 | 1.70 | 44.01 |
| 1945 | 0.95 | 2.08 | 5.04 | 10.39 | 5.61 | 6.44 | 2.01 | 2.97 | 14.33 | 2.03 | 0.54 | 1.13 | 53.72 |
| 1946 | 3.73 | 2.02 | 1.36 | 2.92 | 5.60 | 1.77 | 0.26 | 2.63 | 1.83 | 1.84 | 7.97 | 1.68 | 33.61 |
| Normal | 1.92 | 1.78 | 3.06 | 4.51 | 5.06 | 6.04 | 3.72 | 3.76 | 4.06 | 3.52 | 2.50 | 1.93 | 41.86 |

COTTONWOOD FALLS, CHASE COUNTY. — Elevation, 1,191 feet

(Record prior to 1936 made at Bazaar, 6 miles south of Cottonwood Falls.)

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|-------|-------|-------|-------|------|------|-------|------|------|-------|--------|
| 1931 | 0.36 | 0.94 | 2.21 | 2.58 | 3.14 | 2.05 | 1.48 | 2.59 | 5.07 | 1.84 | 7.47 | 0.84 | 30.57 |
| 1932 | 0.93 | 1.00 | 0.90 | 1.88 | 3.45 | 7.43 | 4.64 | 3.72 | 3.00 | 0.94 | 0.27 | 1.79 | 29.95 |
| 1933 | 0.06 | 0.25 | 2.14 | 2.80 | 3.56 | 0.27 | 5.08 | 1.92 | 2.29 | 1.43 | 0.90 | 1.24 | 21.94 |
| 1934 | 0.45 | 0.70 | 0.88 | 4.42 | 3.87 | 1.43 | 2.90 | 0.19 | 5.97 | 1.10 | 3.30 | 0.65 | 25.86 |
| 1935 | 0.88 | 1.72 | 0.70 | 1.47 | 9.91 | 5.70 | 0.15 | 3.76 | 3.44 | 8.07 | 2.60 | *0.20 | 38.60 |
| 1936 | 1.00 | 0.05 | *0.06 | *1.12 | 3.34 | 0.73 | 1.18 | 0.65 | — | — | — | — | — |
| 1937 | 1.26 | 0.66 | 1.98 | 1.05 | 4.10 | 1.85 | 5.66 | 3.27 | 6.72 | 0.87 | 0.96 | 0.93 | 29.31 |
| 1938 | 0.06 | 1.73 | 2.41 | 2.53 | 13.77 | 5.15 | 4.16 | 4.78 | 2.97 | 0.12 | 2.92 | 0.09 | 40.69 |
| 1939 | 0.68 | 1.65 | 1.50 | 2.17 | 1.58 | 5.00 | 1.24 | 5.22 | 0.26 | 0.41 | 1.17 | 0.51 | 21.39 |
| 1940 | 1.75 | 1.48 | 0.84 | 5.23 | 3.08 | 0.88 | T | 6.43 | 4.53 | 1.57 | 3.66 | 1.31 | 30.76 |
| 1941 | 2.92 | 0.21 | 1.08 | 1.55 | 1.47 | 11.05 | 3.59 | 6.91 | 7.50 | 8.74 | 0.96 | 0.90 | 46.88 |
| 1942 | 0.24 | 1.29 | 0.83 | 2.67 | 2.53 | 8.58 | 1.05 | 3.49 | 7.53 | 3.01 | 0.59 | 2.82 | 34.63 |
| 1943 | 0.10 | 0.63 | 1.24 | 1.73 | 4.82 | 7.52 | 3.81 | 0.14 | 3.14 | 2.12 | 0.35 | 2.48 | 28.08 |
| 1944 | 0.36 | 1.30 | 4.75 | 9.74 | 3.10 | 3.75 | 3.09 | 4.77 | 3.94 | 2.42 | 3.49 | 4.38 | 45.09 |
| 1945 | 0.56 | 0.89 | 2.37 | 7.67 | 2.29 | 3.69 | 3.11 | 4.26 | 10.25 | 0.63 | T | 0.69 | 36.41 |
| 1946 | 1.67 | 0.70 | 2.37 | 1.82 | 1.97 | 7.96 | 0.34 | 3.14 | 5.40 | 3.09 | 1.99 | 1.04 | 31.49 |
| Normal | 0.78 | 1.13 | 1.74 | 2.77 | 4.47 | 4.50 | 3.19 | 3.88 | 3.66 | 2.73 | 2.04 | 0.98 | 31.87 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

COUNCIL GROVE, MORRIS COUNTY. — Elevation, 1,234 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|-------|------|-------|-------|------|------|--------|
| 1931 | 0.27 | 0.99 | 1.97 | 2.48 | 4.84 | 2.83 | 3.11 | 3.46 | 3.60 | 2.77 | 7.19 | 1.14 | 34.25 |
| 1932 | 0.98 | 0.66 | 0.83 | 2.42 | 3.86 | 8.31 | 11.27 | 5.09 | 2.19 | 0.40 | 0.39 | 1.99 | 38.39 |
| 1933 | T | 0.25 | 3.11 | 3.14 | 3.35 | 0.38 | 2.92 | 4.47 | 4.74 | 1.76 | 0.38 | 1.07 | 25.57 |
| 1934 | 0.42 | 1.14 | 0.82 | 1.37 | 5.21 | 3.05 | 1.11 | 0.49 | 5.06 | 1.48 | 2.53 | 0.19 | 22.87 |
| 1935 | 0.72 | 1.44 | 0.29 | 0.79 | 7.99 | 8.20 | 0.11 | 7.66 | 4.34 | 4.92 | 2.67 | 0.15 | 38.88 |
| 1936 | 0.90 | 0.40 | 0.06 | 0.95 | 7.06 | 0.95 | 0.10 | 0.40 | 10.36 | 2.28 | T | 0.96 | 24.42 |
| 1937 | 2.25 | 1.20 | 2.37 | 1.67 | 4.37 | 2.17 | 3.44 | 1.61 | 5.28 | 1.62 | 0.87 | 0.73 | 27.58 |
| 1938 | 0.18 | 1.33 | 2.51 | 3.02 | 11.38 | 9.49 | 3.58 | 3.48 | 2.38 | 0.15 | 2.85 | 0.04 | 40.39 |
| 1939 | 0.69 | 1.30 | 2.35 | 1.53 | 2.27 | 4.56 | 0.62 | 3.44 | 0.34 | 0.97 | 1.51 | 0.73 | 20.31 |
| 1940 | 0.99 | 1.69 | 0.63 | 4.26 | 3.27 | 3.08 | 0.26 | 5.54 | 3.28 | 2.26 | 4.02 | 1.22 | 30.50 |
| 1941 | 2.55 | 0.22 | 1.32 | 2.14 | 2.99 | 8.63 | 3.84 | 6.62 | 4.47 | 11.00 | 0.65 | 0.76 | 45.19 |
| 1942 | 0.38 | 1.07 | 0.70 | 3.06 | 3.60 | 8.37 | 0.42 | 3.51 | 7.06 | 3.37 | 0.91 | 3.29 | 35.74 |
| 1943 | 0.50 | 0.80 | 1.12 | 1.62 | 4.55 | 8.93 | 2.97 | 1.99 | 3.79 | 2.03 | 0.30 | 1.99 | 30.59 |
| 1944 | 0.53 | 1.13 | 5.81 | 9.87 | 3.03 | 3.09 | 4.49 | 9.88 | 1.84 | 1.58 | 2.91 | 4.56 | 48.72 |
| 1945 | 0.65 | 1.32 | 2.12 | 6.66 | 6.80 | 4.26 | 4.48 | 3.91 | 6.50 | 0.54 | 0.16 | 1.57 | 38.97 |
| 1946 | 2.00 | 0.61 | 3.22 | 2.22 | 3.47 | 8.18 | 1.52 | 2.91 | 5.56 | 2.16 | 1.69 | 1.92 | 35.46 |
| Normal | 0.73 | 1.06 | 1.73 | 2.70 | 4.33 | 4.30 | 3.29 | 3.91 | 3.71 | 2.67 | 1.97 | 0.96 | 31.36 |

ELMDALE, CHASE COUNTY. — Elevation, 1,195 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|-------|------|-------|-------|------|-------|-------|-------|------|-------|--------|
| 1931 | 0.51 | 0.84 | 2.38 | 2.74 | 4.02 | 2.55 | 2.36 | 2.71 | 4.50 | 1.81 | 7.97 | 0.66 | 33.05 |
| 1932 | 0.98 | 0.97 | 0.96 | 2.02 | 4.39 | 6.38 | 5.38 | 3.28 | 3.01 | 0.80 | 0.50 | 1.72 | 30.39 |
| 1933 | 0.15 | 0.16 | 2.35 | 2.97 | 3.21 | 0.48 | 3.24 | 2.44 | 2.30 | 1.42 | 0.62 | 1.36 | 20.30 |
| 1934 | 0.43 | 0.82 | 0.95 | 2.90 | 6.90 | 0.94 | 2.86 | 0.35 | 6.23 | 0.70 | 2.56 | 0.93 | 26.17 |
| 1935 | 0.81 | 0.81 | 0.26 | 0.97 | 10.98 | 8.93 | 0.08 | 2.92 | 2.15 | 6.25 | 2.21 | *0.16 | 36.53 |
| 1936 | 0.70 | 0.03 | 0.05 | 1.10 | 4.60 | 0.47 | 1.28 | *0.60 | *6.00 | *2.00 | 0.00 | 0.80 | 17.63 |
| 1937 | 1.38 | 0.89 | *2.00 | 0.80 | 4.35 | 3.13 | 4.02 | 5.21 | 4.43 | 1.12 | 1.38 | 0.82 | 29.53 |
| 1938 | 0.22 | 1.71 | *2.40 | 2.00 | 14.48 | 6.58 | 2.74 | 4.07 | 3.93 | 0.04 | 2.60 | 0.10 | 40.87 |
| 1939 | 0.47 | 1.36 | 1.29 | 1.81 | 2.39 | 5.08 | 1.15 | 4.18 | 0.27 | 1.22 | 1.62 | 0.78 | 21.42 |
| 1940 | 0.70 | 1.61 | 1.17 | 5.21 | 3.44 | 1.00 | 0.43 | 4.43 | 5.36 | 1.41 | 4.36 | 1.17 | 30.29 |
| 1941 | 2.30 | 0.26 | 1.24 | 1.60 | 1.24 | 10.47 | 4.50 | 6.29 | 7.50 | 7.50 | 1.01 | 0.61 | 44.52 |
| 1942 | 0.17 | 1.09 | 0.89 | 2.73 | 2.92 | 10.09 | 1.58 | 5.91 | 8.10 | 3.49 | 0.62 | 2.65 | 40.21 |
| 1943 | 0.21 | 0.65 | 1.11 | 1.37 | 5.12 | 4.88 | 2.45 | 1.31 | 3.84 | 2.47 | 0.48 | 1.84 | 25.73 |
| 1944 | 0.41 | 1.25 | 5.83 | 6.40 | 2.20 | 3.83 | 2.50 | 5.37 | 4.14 | 2.73 | 3.66 | 4.14 | 42.26 |
| 1945 | 0.44 | 1.05 | 1.68 | 7.74 | 2.14 | 3.71 | 3.24 | 4.94 | 8.92 | 0.58 | T | 0.96 | 35.40 |
| 1946 | 1.75 | 0.73 | 2.03 | 1.80 | 2.50 | 7.40 | 0.73 | 3.24 | 4.96 | 3.09 | 1.86 | 1.17 | 31.26 |
| Normal | 0.71 | 1.12 | 1.70 | 2.75 | 4.83 | 4.50 | 3.10 | 3.87 | 3.64 | 2.70 | 2.00 | 0.97 | 31.89 |

EMMETT, POTTAWATOMIE COUNTY. — Elevation, 1,024 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.19 | 0.41 | 1.81 | 3.24 | 2.06 | 1.96 | 3.81 | 8.16 | 9.35 | 1.62 | 7.88 | 1.27 | 41.76 |
| 1932 | 0.95 | 0.70 | 0.56 | 2.02 | 3.57 | 3.98 | 2.95 | 6.29 | 3.30 | 0.52 | 0.37 | 1.63 | 26.84 |
| 1933 | 0.24 | 0.19 | 2.26 | 3.03 | 2.41 | 0.97 | 2.15 | 9.01 | 4.50 | 1.65 | 0.14 | 0.59 | 27.14 |
| 1934 | 0.39 | 1.05 | 0.64 | 1.19 | 2.05 | 1.37 | 0.36 | 0.88 | 5.95 | 2.01 | 4.14 | 0.11 | 20.14 |
| 1935 | 0.41 | 1.01 | 0.23 | 1.13 | 9.21 | 3.28 | 0.22 | 3.81 | 4.05 | 3.83 | 2.55 | 0.36 | 30.09 |
| 1936 | 1.56 | 0.26 | 0.21 | 1.92 | 8.95 | 1.35 | 0.93 | 2.03 | 6.65 | 1.06 | 0.03 | 1.40 | 26.35 |
| 1937 | 2.13 | 0.68 | 2.55 | 1.28 | 2.10 | 1.61 | 1.16 | 2.56 | 0.17 | 0.96 | 1.17 | 0.64 | 17.01 |
| 1938 | 1.23 | 0.90 | 3.18 | 1.92 | 8.23 | 3.55 | 7.37 | 3.38 | 0.98 | 0.96 | 2.97 | 0.28 | 34.95 |
| 1939 | 0.41 | 1.08 | 3.39 | 3.53 | 0.87 | 5.72 | 1.33 | 4.84 | 0.91 | 0.44 | 1.64 | 0.72 | 24.88 |
| 1940 | 0.76 | 1.30 | 0.97 | 2.88 | 2.78 | 3.59 | 1.49 | 6.54 | 0.90 | 1.39 | 2.71 | 1.06 | 26.37 |
| 1941 | 2.68 | 0.39 | 1.29 | 4.72 | 2.35 | 4.33 | 2.54 | 5.79 | 5.25 | 9.38 | 0.58 | 2.33 | 41.63 |
| 1942 | 0.44 | 1.26 | 1.31 | 1.93 | 4.61 | 9.99 | 1.17 | 5.15 | 4.00 | 2.19 | 0.92 | 2.36 | 35.33 |
| 1943 | 0.47 | 0.69 | 0.99 | 0.83 | 4.15 | 8.28 | 3.37 | 1.52 | 3.64 | 1.65 | 0.48 | 2.12 | 28.19 |
| 1944 | 0.44 | 0.87 | 5.52 | 10.43 | 5.04 | 4.17 | 3.79 | 9.80 | 1.31 | 1.83 | 2.61 | 4.98 | 50.79 |
| 1945 | 0.66 | 1.27 | 2.53 | 5.74 | 5.86 | 9.09 | 3.71 | 1.64 | 5.29 | 0.73 | 0.63 | 0.83 | 37.98 |
| 1946 | 1.57 | 0.31 | 4.79 | 2.24 | 2.89 | 3.74 | 0.78 | 3.72 | 4.61 | 2.44 | 1.01 | 1.07 | 29.17 |
| Normal | 0.77 | 1.14 | 1.66 | 2.75 | 4.05 | 4.30 | 3.50 | 4.10 | 3.83 | 2.42 | 1.83 | 0.98 | 31.33 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

EMPORIA, LYON COUNTY. — Elevation, 1,138 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|------|------|-------|------|------|------|------|--------|
| 1931 | 0.54 | 1.02 | 2.50 | 2.98 | 4.06 | 2.20 | 1.38 | 4.38 | 3.71 | 1.54 | 7.02 | 1.13 | 32.46 |
| 1932 | 0.95 | 0.88 | 0.78 | 3.11 | 2.74 | 8.28 | 5.44 | 2.03 | 3.73 | 1.26 | 0.36 | 1.74 | 31.30 |
| 1933 | 0.05 | 0.31 | 2.18 | 3.48 | 4.77 | 0.65 | 5.81 | 2.59 | 3.71 | 0.77 | 0.69 | 1.42 | 26.43 |
| 1934 | 0.66 | 0.98 | 0.64 | 2.80 | 4.40 | 1.26 | 1.40 | 0.14 | 7.20 | 0.98 | 3.76 | 1.20 | 25.42 |
| 1935 | 0.84 | 0.98 | 0.94 | 1.42 | 9.30 | 6.15 | 0.82 | 5.81 | 5.91 | 8.38 | 3.04 | 0.25 | 43.84 |
| 1936 | 0.76 | 0.07 | 0.18 | 1.01 | 4.64 | 0.38 | 0.11 | 0.40 | 7.28 | 1.70 | 0.05 | 1.55 | 18.13 |
| 1937 | 1.96 | 0.82 | 3.17 | 2.33 | 6.45 | 2.46 | 3.40 | 2.30 | 7.81 | 1.04 | 1.14 | 1.18 | 34.06 |
| 1938 | 0.60 | 1.46 | 2.91 | 1.84 | 16.65 | 6.21 | 3.08 | 3.85 | 3.33 | 0.21 | 1.82 | 0.02 | 41.98 |
| 1939 | 0.62 | 2.05 | 1.69 | 2.71 | 4.15 | 2.90 | 0.49 | 5.95 | 0.32 | 0.46 | 1.36 | 0.70 | 23.40 |
| 1940 | 1.42 | 1.20 | 2.17 | 4.53 | 3.05 | 1.61 | 1.38 | 2.04 | 3.26 | 1.47 | 4.51 | 1.54 | 28.18 |
| 1941 | 3.97 | 0.23 | 1.12 | 3.31 | 1.44 | 9.50 | 4.63 | 10.87 | 6.12 | 9.99 | 1.34 | 0.85 | 53.37 |
| 1942 | 0.38 | 1.61 | 0.85 | 3.62 | 2.78 | 9.18 | 1.97 | 4.62 | 8.16 | 2.69 | 0.80 | 3.01 | 39.67 |
| 1943 | 0.15 | 0.78 | 1.84 | 1.47 | 7.12 | 8.31 | 1.99 | 2.76 | 3.57 | 1.69 | 0.02 | 2.27 | 31.97 |
| 1944 | 0.82 | 1.20 | 4.27 | 10.87 | 1.99 | 5.07 | 6.57 | 5.38 | 2.44 | 3.47 | 4.55 | 5.47 | 51.70 |
| 1945 | 0.54 | 0.83 | 3.78 | 9.11 | 5.52 | 6.25 | 3.04 | 6.59 | 8.58 | 0.57 | 0.01 | 0.98 | 45.40 |
| 1946 | 1.51 | 1.09 | 2.78 | 3.03 | 2.73 | 5.05 | 0.97 | 2.61 | 5.03 | 4.34 | 1.53 | 0.49 | 30.76 |
| Normal | 0.81 | 1.17 | 1.98 | 2.95 | 5.20 | 4.73 | 3.48 | 3.86 | 4.01 | 2.75 | 2.10 | 1.06 | 34.10 |

ESKRIDGE, WABAUNSE COUNTY. — Elevation, 1,412 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|-------|------|-------|------|-------|------|------|--------|
| 1931 | 0.25 | 0.84 | 2.42 | 3.74 | 3.27 | 3.54 | 4.05 | 4.34 | 6.25 | 2.19 | 9.04 | 1.33 | 41.26 |
| 1932 | 1.40 | 0.76 | 1.31 | 2.45 | 4.23 | 8.59 | 5.96 | 4.31 | 2.57 | 0.54 | 0.64 | 2.10 | 34.86 |
| 1933 | 0.01 | 0.45 | 2.49 | 3.00 | 2.00 | 1.32 | 4.73 | 6.05 | 4.77 | 0.92 | 0.43 | 1.13 | 27.30 |
| 1934 | 0.46 | 1.25 | 0.73 | 0.86 | 5.32 | 2.82 | 2.23 | 0.97 | 6.18 | 1.26 | 4.00 | 0.31 | 26.39 |
| 1935 | 0.98 | 1.53 | 0.58 | 1.26 | 12.89 | 4.56 | 0.00 | 5.78 | 2.91 | 3.04 | 2.83 | 0.20 | 36.56 |
| 1936 | 0.94 | 0.13 | T | +1.02 | 5.96 | 0.89 | 0.46 | 1.67 | 9.36 | 1.74 | T | 1.40 | 23.57 |
| 1937 | 1.88 | 0.70 | 1.95 | 2.02 | 3.33 | 1.19 | 3.40 | 4.77 | 1.93 | 1.27 | 1.25 | 0.92 | 24.61 |
| 1938 | 0.38 | 0.74 | 2.14 | 1.41 | 6.84 | 6.02 | 3.32 | 2.43 | 3.00 | 0.23 | 2.07 | 0.33 | 28.90 |
| 1939 | 0.54 | 1.15 | 1.72 | 1.76 | 3.56 | 4.97 | 1.43 | 4.01 | 0.29 | 1.39 | 1.35 | 0.67 | 22.44 |
| 1940 | 1.06 | 0.92 | 1.45 | 4.18 | 3.34 | 1.98 | 0.90 | 4.29 | 1.74 | 2.12 | 3.17 | 1.11 | 26.26 |
| 1941 | 3.18 | 0.21 | 1.29 | 2.68 | 2.37 | 7.02 | 2.28 | 10.99 | 2.54 | 10.11 | 1.04 | 1.52 | 45.23 |
| 1942 | 0.29 | 1.32 | 1.10 | 3.63 | 5.40 | 6.93 | 0.94 | 6.55 | 6.42 | 3.25 | 1.15 | 2.87 | 39.85 |
| 1943 | 0.18 | 0.90 | 0.98 | 1.91 | 4.78 | 10.61 | 2.44 | 1.90 | 4.04 | 2.76 | 0.53 | 2.12 | 33.15 |
| 1944 | 0.73 | 0.92 | 5.38 | 10.39 | 2.48 | 2.69 | 3.59 | 7.30 | 2.63 | 2.02 | 2.82 | 4.56 | 45.51 |
| 1945 | 0.53 | 1.38 | 2.98 | 7.29 | 4.41 | 8.25 | 4.98 | 1.69 | 6.92 | 0.40 | 0.20 | 1.00 | 40.03 |
| 1946 | 1.18 | 0.62 | 3.31 | 2.68 | 3.30 | 9.25 | 1.67 | 7.02 | 4.63 | 1.18 | 1.72 | 2.30 | 38.86 |
| Normal | 0.91 | 1.37 | 1.90 | 2.88 | 4.77 | 4.84 | 3.35 | 4.04 | 4.00 | 2.75 | 2.18 | 0.95 | 33.94 |

FORT RILEY, GEARY COUNTY. — Elevation, 1,035 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|------|------|------|------|------|------|------|------|--------|
| 1942 | -- | -- | 1.22 | 3.30 | 7.80 | 7.62 | 1.13 | 3.66 | 8.95 | 1.77 | 0.45 | 1.40 | -- |
| 1943 | 0.50 | 1.05 | 0.57 | 2.36 | 2.56 | 9.73 | 4.49 | 1.14 | 4.50 | 2.12 | 0.19 | 1.95 | 31.16 |
| 1944 | 1.40 | 0.71 | 3.26 | 13.05 | 2.84 | 5.12 | 4.81 | 8.56 | 2.68 | 1.03 | 2.30 | 2.90 | 48.66 |
| 1945 | 0.65 | 1.29 | 1.41 | 6.09 | 4.31 | 6.39 | 7.88 | 3.79 | 5.07 | 0.38 | 0.12 | 0.94 | 38.24 |
| 1946 | 0.95 | 0.32 | 2.02 | 1.51 | 5.34 | 2.21 | 1.44 | 3.95 | 4.07 | 3.45 | 1.31 | 0.64 | 27.21 |
| Normal | 0.70 | 1.12 | 1.72 | 2.62 | 4.41 | 4.60 | 3.30 | 4.35 | 3.66 | 2.60 | 1.75 | 0.92 | 31.75 |

FORT SCOTT, BOURBON COUNTY. — Elevation, 857 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|-------|-------|-------|------|-------|--------|
| 1931 | 0.97 | 1.53 | 2.41 | 2.88 | 5.15 | 1.30 | 1.36 | 2.97 | 3.51 | 6.53 | 0.51 | 30.72 | |
| 1932 | 2.26 | 1.18 | 0.67 | 2.83 | 1.18 | 6.13 | 2.41 | 1.97 | 2.53 | 3.11 | 1.44 | 3.95 | 29.66 |
| 1933 | 1.63 | 0.94 | 2.71 | 3.63 | 7.93 | 0.22 | 6.00 | 3.28 | 8.00 | 4.13 | 1.20 | 2.15 | 41.82 |
| 1934 | 1.01 | 0.92 | 1.87 | 2.64 | 4.12 | 1.82 | 3.01 | 0.28 | 8.08 | 4.16 | 7.64 | 1.17 | 36.72 |
| 1935 | 1.82 | 1.47 | 2.21 | 3.91 | 11.28 | 8.07 | 0.26 | 4.49 | 3.97 | 7.94 | 6.99 | 0.46 | 52.87 |
| 1936 | 0.70 | 1.05 | 0.55 | 1.19 | 3.35 | 3.92 | 0.39 | 0.36 | 10.00 | 4.53 | 1.00 | 1.54 | 28.58 |
| 1937 | 2.83 | 1.61 | 2.68 | 2.31 | 5.74 | 7.18 | 3.12 | 1.33 | 5.40 | 1.22 | 1.85 | 0.70 | 35.97 |
| 1938 | 2.00 | 1.61 | 3.46 | 4.27 | 11.28 | 8.51 | 2.92 | 1.80 | 1.93 | 1.09 | 2.25 | 0.48 | 41.60 |
| 1939 | 1.87 | 0.98 | 1.68 | 3.86 | 3.77 | 2.45 | 2.35 | 3.76 | 0.97 | 1.49 | 1.37 | 0.99 | 25.54 |
| 1940 | 0.81 | 0.89 | 1.95 | 4.34 | 2.82 | 8.48 | 2.04 | 5.68 | 1.50 | 1.38 | 1.36 | 1.40 | 32.65 |
| 1941 | 2.47 | 0.24 | 0.31 | 9.23 | 0.89 | 6.02 | 2.64 | 6.48 | 10.81 | 13.42 | 1.78 | 0.52 | 54.81 |
| 1942 | 0.83 | 1.96 | 1.76 | 5.32 | 2.22 | 10.52 | 3.40 | 2.85 | 7.11 | 2.38 | 1.97 | 4.07 | 44.39 |
| 1943 | 0.16 | 0.95 | 2.87 | 2.68 | 14.20 | 8.55 | 1.08 | 3.44 | 3.99 | 3.25 | 0.01 | 2.54 | 43.72 |
| 1944 | 0.62 | 3.88 | 3.82 | 8.68 | 5.86 | 4.77 | 7.25 | 10.57 | 3.39 | 1.84 | 2.10 | 2.26 | 55.04 |
| 1945 | 0.70 | 1.57 | 4.10 | 7.53 | 5.07 | 6.20 | 1.79 | 4.65 | 7.12 | 1.62 | 0.55 | 1.20 | 42.10 |
| 1946 | 4.64 | 1.98 | 2.05 | 3.20 | 2.37 | 2.10 | 0.63 | 2.76 | 1.65 | 2.44 | 6.57 | 0.52 | 30.91 |
| Normal | 1.68 | 1.63 | 2.63 | 4.08 | 4.86 | 5.50 | 3.76 | 3.39 | 4.82 | 3.69 | 2.39 | 1.56 | 39.99 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION
EASTERN DIVISION

FREDONIA, WILSON COUNTY. — Elevation, 994 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|-------|------|-------|------|--------|
| 1931 | 0.98 | 2.02 | 3.01 | 2.54 | 4.62 | 2.97 | 1.40 | 3.40 | 3.67 | 2.40 | 10.31 | 0.61 | 37.93 |
| 1932 | 1.99 | 1.95 | 0.58 | 3.12 | 2.44 | 8.49 | 2.18 | 0.97 | 3.33 | 1.20 | 0.44 | 2.92 | 29.61 |
| 1933 | 0.82 | 0.24 | 2.34 | 3.96 | 5.72 | 1.52 | 2.13 | 8.18 | 4.45 | 2.79 | 1.10 | 2.57 | 35.82 |
| 1934 | 0.72 | 0.59 | 1.03 | 2.52 | 5.06 | 3.23 | 1.93 | 0.48 | 6.41 | 2.05 | 5.41 | 0.82 | 30.25 |
| 1935 | 1.77 | 1.46 | 1.90 | 2.16 | 9.18 | 12.36 | 0.17 | 2.92 | 2.39 | 4.83 | 5.39 | 0.54 | 45.07 |
| 1936 | 0.94 | 0.25 | 0.25 | 1.09 | 3.46 | 3.74 | 0.13 | 0.23 | 5.97 | 3.15 | 1.26 | 1.75 | 22.22 |
| 1937 | 1.74 | 1.29 | 3.43 | 2.79 | 3.87 | 5.98 | 8.83 | 0.87 | 2.31 | 1.80 | 1.18 | 1.58 | 35.67 |
| 1938 | 1.50 | 1.83 | 3.40 | 2.59 | 7.56 | 5.12 | 3.23 | 2.32 | 2.17 | 1.37 | 2.48 | 0.36 | 33.93 |
| 1939 | 1.57 | 1.38 | 2.45 | 2.32 | 4.90 | 4.45 | 0.88 | 3.31 | 0.01 | 0.93 | 1.29 | 0.81 | 24.30 |
| 1940 | 0.94 | 1.23 | 1.70 | 5.36 | 3.03 | 4.31 | 1.65 | 8.02 | 4.30 | 1.43 | 4.15 | 1.51 | 37.63 |
| 1941 | 2.99 | 1.00 | 0.71 | 5.69 | 2.18 | 5.56 | 1.47 | 4.44 | 11.20 | 7.77 | 1.62 | 1.03 | 45.66 |
| 1942 | 1.12 | 1.74 | 1.29 | 5.25 | 4.17 | 10.36 | 3.98 | 2.43 | 9.37 | 2.03 | 1.40 | 2.99 | 45.73 |
| 1943 | 0.16 | 1.53 | 1.74 | 1.53 | 13.38 | 7.81 | 2.20 | 0.91 | 5.76 | 2.01 | 0.05 | 2.61 | 39.69 |
| 1944 | 0.57 | 2.30 | 5.00 | 9.97 | 3.48 | 3.47 | 3.70 | 6.97 | 5.18 | 3.81 | 1.75 | 2.93 | 49.13 |
| 1945 | 0.73 | 1.11 | 4.23 | 6.09 | 3.14 | 5.58 | 3.02 | 2.52 | 18.45 | 0.59 | 0.05 | 0.79 | 46.30 |
| 1946 | 3.05 | 1.75 | 2.57 | 1.21 | 2.23 | 3.48 | 0.82 | 2.81 | 2.90 | 1.39 | 3.31 | 0.69 | 26.21 |
| Normal | 1.32 | 1.39 | 2.12 | 3.71 | 5.03 | 5.37 | 3.33 | 3.69 | 4.18 | 3.08 | 2.40 | 1.34 | 36.96 |

GARNETT, ANDERSON COUNTY. — Elevation, 1,046 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|-------|-------|------|------|------|-------|------|------|-------|
| 1931 | 0.87 | 1.74 | 3.10 | 3.63 | 4.47 | 4.13 | 3.27 | 0.81 | 2.85 | 2.13 | 9.14 | 0.97 | 37.11 |
| 1932 | 1.39 | 1.28 | 1.33 | 2.58 | 2.16 | 7.71 | 3.86 | 2.66 | 2.57 | 0.99 | 1.10 | 3.24 | 30.87 |
| 1933 | 0.84 | 0.42 | 2.63 | 3.37 | 8.76 | 0.11 | 6.41 | 5.34 | 3.20 | 0.92 | 0.63 | 2.08 | 34.71 |
| 1934 | 0.76 | 1.20 | 1.16 | 1.92 | 4.99 | 3.10 | 2.50 | 0.20 | 5.88 | 1.89 | 7.91 | 1.79 | 33.30 |
| 1935 | 1.87 | 1.65 | 1.61 | 4.30 | 9.10 | 7.31 | 0.39 | 5.61 | 4.46 | 5.95 | 5.21 | 0.66 | 48.12 |
| 1936 | 1.27 | 0.76 | 0.42 | 0.44 | 4.34 | 0.24 | 0.31 | 0.70 | 7.04 | 1.68 | 0.22 | 2.36 | 19.78 |
| 1937 | 2.79 | 0.87 | 3.45 | 3.48 | 8.05 | 5.46 | 2.62 | 1.10 | 2.79 | 1.14 | 1.55 | 0.82 | 34.12 |
| 1938 | 1.53 | 2.40 | 3.64 | 2.96 | 12.70 | 10.55 | 4.18 | 1.27 | 2.40 | 0.38 | 2.48 | 0.27 | 44.76 |
| 1939 | 1.84 | 1.87 | 1.49 | 3.62 | 2.93 | 2.88 | 1.28 | 3.16 | 0.37 | 1.45 | 1.87 | 0.93 | 23.69 |
| 1940 | 1.43 | 1.19 | 3.08 | 6.31 | 4.27 | 6.13 | 0.70 | 7.62 | 3.93 | 1.79 | 3.93 | 1.81 | 42.19 |
| 1941 | 5.53 | 1.36 | 0.74 | 4.67 | 1.00 | 8.57 | 2.62 | 7.21 | 7.62 | 12.24 | 1.81 | 1.87 | 55.24 |
| 1942 | 0.49 | 1.91 | 3.49 | 6.34 | 2.82 | 7.33 | 4.88 | 4.86 | 9.43 | 2.10 | 2.54 | 3.05 | 49.24 |
| 1943 | 0.45 | 1.06 | 1.65 | 2.37 | 10.90 | 9.58 | 1.52 | 4.14 | 2.99 | 4.50 | 0.37 | 2.55 | 44.08 |
| 1944 | 0.43 | 2.03 | 3.63 | 9.66 | 4.15 | 5.92 | 4.05 | 9.91 | 2.33 | 2.23 | 2.75 | 3.18 | 50.47 |
| 1945 | 0.60 | 1.66 | 4.78 | 7.81 | 4.66 | 4.34 | 3.84 | 6.81 | 8.66 | 0.97 | 0.30 | 1.53 | 45.96 |
| 1946 | 2.60 | 1.77 | 2.94 | 5.13 | 3.82 | 3.65 | 5.05 | 6.52 | 4.11 | 3.88 | 1.71 | 1.91 | 43.09 |
| Normal | 1.37 | 1.51 | 2.57 | 3.69 | 4.90 | 5.29 | 3.48 | 3.80 | 4.66 | 3.18 | 2.47 | 1.48 | 38.40 |

HARVEYVILLE, WABAUNSEE COUNTY. — Elevation, 1,200 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1945 | — | — | — | 7.01 | 4.66 | 8.68 | 4.46 | 0.83 | 7.18 | 0.90 | 0.18 | 1.55 | — |
| 1946 | 1.97 | 0.50 | 3.61 | 2.75 | 3.78 | 8.74 | 0.78 | 7.69 | 4.53 | 1.40 | 1.22 | 2.15 | 39.12 |
| Normal | 0.96 | 1.18 | 1.91 | 3.16 | 5.00 | 4.68 | 3.60 | 4.10 | 4.09 | 2.70 | 2.10 | 1.10 | 34.58 |

HOLTON, JACKSON COUNTY. — Elevation, 1,043 feet

| | | | | | | | | | | | | | |
|--------|------|------|-------|------|------|------|------|-------|------|------|-------|------|-------|
| 1931 | 0.24 | 0.45 | *1.80 | 3.80 | 2.25 | 3.75 | 4.86 | 11.24 | 8.96 | 1.75 | 10.39 | 2.44 | 51.93 |
| 1932 | 1.06 | 0.78 | 0.98 | 3.93 | 4.04 | 5.80 | 5.05 | 3.71 | 6.53 | 0.68 | 0.51 | 1.65 | 34.72 |
| 1933 | 0.32 | 0.32 | 2.34 | 1.59 | 2.60 | 1.53 | 1.46 | 3.80 | 3.51 | 0.87 | 0.16 | 1.04 | 19.54 |
| 1934 | 0.51 | 0.86 | 0.36 | 0.84 | 1.88 | 2.29 | 1.30 | 1.76 | 7.02 | 1.54 | 4.48 | 0.37 | 23.21 |
| 1935 | 0.75 | 1.38 | 0.05 | 2.16 | 9.00 | 6.80 | 1.76 | 3.19 | 2.61 | 3.42 | 2.26 | 0.15 | 33.53 |
| 1936 | 1.57 | 0.15 | 0.14 | 2.47 | 7.57 | 1.44 | 1.63 | 1.32 | 9.37 | 2.37 | 0.16 | 1.14 | 29.33 |
| 1937 | 2.35 | 0.25 | 1.87 | 2.02 | 2.11 | 1.05 | 2.72 | 1.38 | 1.44 | 1.04 | 0.84 | 0.50 | 17.57 |
| 1938 | 1.12 | 0.55 | 2.09 | 1.56 | 8.99 | 3.82 | 5.76 | 6.43 | 0.87 | 1.49 | 2.23 | 0.26 | 35.17 |
| 1939 | 0.20 | 0.91 | 2.55 | 3.66 | 0.77 | 6.44 | 1.01 | 5.44 | 0.47 | 0.50 | 1.57 | 0.47 | 23.99 |
| 1940 | 0.65 | 1.14 | 0.84 | 2.27 | 3.95 | 5.63 | 0.09 | 6.60 | 1.54 | 1.25 | 2.24 | 0.96 | 27.16 |
| 1941 | 2.31 | 0.75 | 0.81 | 3.49 | 1.70 | 8.03 | 3.11 | 7.50 | 4.89 | 9.44 | 0.85 | 1.77 | 44.65 |
| 1942 | 0.30 | 1.12 | 1.25 | 1.61 | 4.27 | 7.84 | 1.31 | 9.69 | 7.79 | 2.10 | 0.99 | 2.77 | 41.04 |
| 1943 | 0.02 | 0.66 | 0.67 | 0.72 | 5.07 | 9.80 | 2.26 | 1.29 | 2.58 | 1.14 | 0.37 | 2.18 | 26.76 |
| 1944 | 0.54 | 0.64 | 4.40 | 9.81 | 5.21 | 4.03 | 3.16 | 5.48 | 1.19 | 2.18 | 1.84 | 3.66 | 42.14 |
| 1945 | 0.41 | 0.97 | 3.81 | 5.86 | 5.37 | 8.44 | 1.03 | 0.95 | 5.95 | 0.60 | 0.14 | 0.58 | 34.11 |
| 1946 | 1.46 | 0.26 | 3.97 | 1.67 | 2.62 | 6.25 | 1.01 | 2.94 | 3.38 | 2.43 | 1.38 | 1.23 | 28.60 |
| Normal | 0.87 | 1.03 | 1.76 | 2.75 | 4.46 | 4.40 | 3.18 | 4.20 | 4.01 | 2.45 | 1.85 | 1.05 | 32.01 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

HORTON, BROWN COUNTY. — Elevation, 1,029 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|------|------|------|------|--------|
| 1931 | 0.22 | 0.48 | 1.19 | 3.23 | 2.18 | 4.41 | 3.61 | 6.65 | 7.55 | 2.94 | 6.37 | 1.97 | 40.80 |
| 1932 | 0.61 | 0.63 | 0.40 | 3.61 | 3.12 | 3.58 | 4.09 | 3.07 | 3.29 | 1.15 | 0.39 | 1.89 | 25.83 |
| 1933 | 0.25 | 0.05 | 1.99 | 1.18 | 3.46 | 4.71 | 2.53 | 3.38 | 5.17 | 1.04 | 0.06 | 1.86 | 25.68 |
| 1934 | 0.09 | 0.82 | 0.15 | 0.86 | 1.88 | 3.26 | 0.34 | 1.61 | 6.82 | 1.89 | 4.18 | 0.31 | 22.21 |
| 1935 | 0.58 | 1.04 | 0.10 | 3.01 | 6.73 | 7.33 | 0.73 | 3.73 | 3.57 | 2.88 | 2.50 | 0.17 | 32.37 |
| 1936 | 1.77 | 0.44 | 0.08 | 2.44 | 7.66 | 2.69 | 0.47 | 1.74 | 7.31 | 2.37 | 0.02 | 1.61 | 28.60 |
| 1937 | 2.16 | 0.90 | 1.56 | 2.38 | 3.96 | 2.29 | 2.77 | 1.42 | 2.07 | 0.84 | 1.02 | 0.56 | 21.93 |
| 1938 | 1.31 | 0.65 | 2.01 | 2.15 | 10.57 | 3.03 | 3.46 | 3.71 | 0.86 | 0.43 | 2.23 | 0.57 | 30.98 |
| 1939 | 0.48 | 1.40 | 4.40 | 3.71 | 1.80 | 8.07 | 1.82 | 4.20 | 0.79 | 0.31 | 1.78 | 0.57 | 29.33 |
| 1940 | 1.00 | 1.58 | 1.54 | 2.19 | 3.50 | 4.44 | 0.28 | 4.76 | 1.37 | 1.27 | 2.04 | 1.07 | 25.04 |
| 1941 | 2.20 | 0.35 | 0.75 | 1.94 | 4.79 | 4.69 | 3.22 | 3.76 | 5.38 | 9.32 | 0.86 | 1.45 | 38.71 |
| 1942 | 0.45 | 1.34 | 1.14 | 1.24 | 5.87 | 3.07 | 4.93 | 8.90 | 5.58 | 1.95 | 1.15 | 2.46 | 38.08 |
| 1943 | 0.33 | 0.60 | 0.64 | 1.07 | 5.60 | 13.14 | 1.66 | 1.34 | 2.10 | 0.87 | 0.79 | 2.26 | 30.40 |
| 1944 | 0.65 | 0.67 | 4.36 | 8.42 | 4.63 | 4.23 | 2.26 | 8.69 | 0.98 | 1.52 | 1.76 | 3.58 | 41.75 |
| 1945 | 0.52 | 1.44 | 3.81 | 6.92 | 7.54 | 8.43 | 4.86 | 1.48 | 5.94 | 1.00 | 0.42 | 0.88 | 43.24 |
| 1946 | 1.20 | 0.24 | 3.86 | 2.20 | 2.42 | 6.03 | 0.99 | 2.53 | 6.37 | 2.07 | 0.87 | 1.50 | 30.28 |
| Normal | 0.75 | 1.15 | 1.63 | 2.92 | 4.48 | 4.89 | 3.43 | 3.65 | 4.43 | 2.45 | 1.70 | 0.96 | 32.44 |

HOWARD, ELK COUNTY. — Elevation, 1,112 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|-------|-------|-------|------|-------|------|------|------|-------|
| 1931 | 0.55 | 1.69 | 2.22 | 2.20 | 5.00 | 4.92 | 2.65 | 3.49 | 2.11 | 1.18 | 9.79 | 0.98 | 36.78 |
| 1932 | 1.58 | 1.30 | 0.62 | 1.87 | 3.80 | 7.39 | 3.02 | 1.10 | 3.60 | 1.05 | 0.24 | 2.12 | 27.69 |
| 1933 | 0.53 | 0.30 | 1.93 | 2.87 | 3.83 | 0.91 | 2.33 | 7.83 | 2.25 | 2.67 | 1.02 | 2.51 | 28.98 |
| 1934 | 0.49 | 0.60 | 1.02 | 3.51 | 4.52 | 2.03 | 2.77 | 0.44 | 5.08 | 2.24 | 3.88 | 0.87 | 27.45 |
| 1935 | 1.24 | 1.40 | 1.50 | 4.33 | 10.63 | 10.35 | 0.03 | 3.46 | 2.85 | 3.81 | 5.91 | 0.61 | 46.12 |
| 1936 | 0.88 | 0.41 | 0.10 | 0.37 | 3.69 | 2.38 | 0.57 | 0.04 | 9.00 | 6.18 | 0.95 | 1.98 | 26.55 |
| 1937 | 1.56 | 0.71 | 3.14 | 2.68 | 3.33 | 3.71 | 14.86 | 1.01 | 3.28 | 2.09 | 0.98 | 1.13 | 38.48 |
| 1938 | 1.26 | 2.25 | 3.80 | 2.46 | 9.68 | 4.90 | 3.31 | 2.15 | 3.22 | 0.73 | 2.69 | 0.28 | 36.73 |
| 1939 | 1.60 | 1.53 | 2.39 | 1.24 | 4.39 | 4.27 | 1.52 | 3.11 | 0.02 | 1.81 | 1.09 | 0.73 | 23.70 |
| 1940 | 0.89 | 1.53 | 1.96 | 5.40 | 3.38 | 5.17 | 1.14 | 5.03 | 2.79 | 1.26 | 4.01 | 1.83 | 34.39 |
| 1941 | 2.47 | 0.87 | 1.15 | 5.03 | 3.31 | 5.29 | 0.96 | 3.39 | 8.04 | 6.41 | 1.79 | 1.30 | 40.01 |
| 1942 | 1.13 | 2.01 | 0.77 | 5.70 | 1.63 | 8.67 | 2.00 | 4.91 | 10.15 | 2.60 | 0.86 | 3.23 | 43.66 |
| 1943 | 0.29 | 0.78 | 2.16 | 1.30 | 11.15 | 5.85 | 2.11 | 0.62 | 4.45 | 1.76 | 0.02 | 2.71 | 33.20 |
| 1944 | 0.59 | 1.95 | 4.53 | 8.88 | 4.29 | 2.97 | 3.11 | 4.71 | 4.92 | 2.57 | 1.95 | 3.33 | 43.80 |
| 1945 | 0.59 | 0.80 | 7.34 | 10.51 | 2.24 | 6.40 | 3.59 | 2.55 | 13.71 | 0.81 | 0.51 | 0.83 | 49.88 |
| 1946 | 2.75 | 2.62 | 3.64 | 3.78 | 1.95 | 3.91 | 0.33 | 7.12 | 2.79 | 1.71 | 4.47 | 0.82 | 35.89 |
| Normal | 1.26 | 1.39 | 1.92 | 3.53 | 4.74 | 5.25 | 3.48 | 3.40 | 3.68 | 2.92 | 2.20 | 1.32 | 35.09 |

INDEPENDENCE, MONTGOMERY COUNTY. — Elevation, 800 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|-------|------|------|------|-------|-------|------|------|-------|
| 1931 | 0.98 | 1.78 | 2.94 | 2.07 | 4.71 | 3.19 | 3.71 | 1.66 | 1.15 | 2.00 | 8.57 | 0.60 | 33.36 |
| 1932 | 2.86 | 1.48 | 0.60 | 2.28 | 0.87 | 7.97 | 4.88 | 0.25 | 2.72 | 1.66 | 1.25 | 3.68 | 30.50 |
| 1933 | 0.97 | 0.77 | 2.60 | 4.88 | 7.88 | 0.52 | 2.27 | 6.13 | 1.95 | 3.19 | 1.06 | 2.78 | 35.00 |
| 1934 | 1.08 | 0.91 | 0.78 | 4.10 | 3.04 | 1.81 | 2.66 | 2.36 | 8.40 | 3.95 | 4.23 | 0.47 | 33.79 |
| 1935 | 2.10 | 1.57 | 1.94 | 2.03 | 6.26 | 9.45 | 0.03 | 3.20 | 3.39 | 4.62 | 4.52 | 0.93 | 40.04 |
| 1936 | 0.72 | 0.79 | 0.27 | 2.10 | 3.29 | 1.20 | 3.69 | 0.06 | 8.51 | 6.18 | 1.08 | 1.63 | 29.52 |
| 1937 | 2.28 | 1.50 | 2.56 | 4.42 | 3.90 | 6.76 | 8.04 | 0.38 | 5.16 | 1.64 | 1.32 | 0.99 | 38.95 |
| 1938 | 2.02 | 1.72 | 4.85 | 2.55 | 6.51 | 5.54 | 2.74 | 3.79 | 5.25 | 0.64 | 2.09 | 0.41 | 38.11 |
| 1939 | 1.63 | 1.32 | 2.65 | 2.06 | 7.14 | 5.48 | 0.67 | 2.37 | 0.09 | 1.04 | 2.12 | 1.43 | 28.00 |
| 1940 | 0.84 | 1.45 | 1.24 | 4.57 | 4.08 | 5.30 | 6.10 | 5.04 | 2.66 | 1.39 | 4.46 | 1.27 | 38.40 |
| 1941 | 2.94 | 1.18 | 0.73 | 5.03 | 2.42 | 5.70 | 2.29 | 3.84 | 10.46 | 10.81 | 1.51 | 1.00 | 47.91 |
| 1942 | 0.75 | 2.00 | 1.81 | 7.95 | 1.84 | 8.05 | 4.16 | 5.83 | 7.94 | 2.23 | 1.34 | 3.37 | 47.27 |
| 1943 | 0.15 | 1.02 | 2.87 | 1.21 | 15.99 | 8.38 | 2.26 | 0.74 | 7.21 | 2.62 | 0.05 | 2.90 | 45.40 |
| 1944 | 1.63 | 2.31 | 3.00 | 8.72 | 4.53 | 2.25 | 1.88 | 6.44 | 5.71 | 4.70 | 2.37 | 2.53 | 46.07 |
| 1945 | 0.94 | 1.13 | 5.85 | 5.32 | 2.83 | 5.69 | 3.34 | 3.07 | 11.89 | 1.35 | 0.08 | 1.46 | 42.95 |
| 1946 | 3.47 | 1.86 | 1.92 | 2.16 | 2.68 | 2.91 | 0.30 | 2.25 | 4.46 | 0.59 | 5.26 | 0.36 | 28.22 |
| Normal | 1.45 | 1.61 | 2.52 | 3.89 | 4.65 | 5.28 | 3.67 | 3.13 | 4.37 | 3.32 | 2.34 | 1.47 | 37.70 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

MONTHLY AND ANNUAL PRECIPITATION
EASTERN DIVISION

IOLA, ALLEN COUNTY. — Elevation, 963 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|-------|------|------|------|--------|
| 1931 | 1.06 | 1.53 | 2.56 | 3.04 | 3.67 | 3.10 | 1.16 | 3.98 | 1.50 | 2.05 | 8.13 | 0.68 | 32.46 |
| 1932 | 1.67 | 1.27 | 1.24 | 2.94 | 1.64 | 5.01 | 5.56 | 1.19 | 2.31 | 1.38 | 0.93 | 2.68 | 27.82 |
| 1933 | 1.36 | 0.46 | 2.86 | 3.97 | 5.18 | 0.73 | 4.16 | 7.37 | 4.06 | 2.03 | 1.16 | 2.57 | 35.91 |
| 1934 | 0.98 | 1.09 | 1.52 | 2.10 | 5.74 | 5.11 | 1.81 | 0.82 | 7.62 | 1.92 | 5.03 | 0.85 | 34.59 |
| 1935 | 1.83 | 1.58 | 1.63 | 2.97 | 12.08 | 7.50 | 0.63 | 5.49 | 2.49 | 6.17 | 6.82 | 0.32 | 49.51 |
| 1936 | 1.08 | 0.24 | 0.18 | 0.29 | 4.36 | 0.83 | 1.56 | 0.74 | 7.77 | 2.33 | 1.25 | 1.68 | 22.31 |
| 1937 | 1.97 | 1.12 | 4.35 | 3.39 | 5.27 | 7.07 | 3.57 | 1.94 | 2.09 | 1.13 | 1.20 | 0.98 | 34.08 |
| 1938 | 1.44 | 2.22 | 4.22 | 3.14 | 11.62 | 4.98 | 2.49 | 1.53 | 1.50 | 1.85 | 2.09 | 0.24 | 37.32 |
| 1939 | 1.37 | 1.41 | 2.56 | 3.25 | 5.10 | 2.45 | 2.85 | 3.10 | 0.50 | 0.62 | 2.19 | 0.86 | 26.26 |
| 1940 | 1.17 | 1.11 | 2.81 | 7.61 | 4.05 | 3.44 | 0.51 | 6.56 | 1.49 | 1.36 | 3.76 | 1.31 | 35.18 |
| 1941 | 4.51 | 0.64 | 0.52 | 3.76 | 2.60 | 7.03 | 0.69 | 8.15 | 13.37 | 7.30 | 1.76 | 1.11 | 51.44 |
| 1942 | 1.05 | 1.44 | 1.90 | 4.89 | 2.04 | 8.36 | 5.50 | 3.16 | 8.78 | 1.82 | 2.23 | 2.68 | 43.45 |
| 1943 | 0.27 | 1.06 | 1.40 | 2.17 | 15.32 | 8.26 | 2.26 | 1.47 | 4.64 | 2.20 | 0.21 | 2.60 | 41.86 |
| 1944 | 0.72 | 2.29 | 4.47 | 7.88 | 5.58 | 5.39 | 4.73 | 6.20 | 4.12 | 2.45 | 2.16 | 2.99 | 48.98 |
| 1945 | 0.57 | 1.49 | 3.62 | 6.86 | 3.82 | 7.67 | 4.08 | 4.85 | 9.42 | 0.85 | 0.07 | 0.98 | 44.28 |
| 1946 | 2.45 | 1.61 | 1.92 | 4.13 | 1.87 | 3.18 | 1.71 | 1.64 | 2.83 | 3.33 | 3.16 | 1.77 | 29.60 |
| Normal | 1.45 | 1.55 | 2.45 | 3.90 | 4.80 | 5.05 | 3.06 | 3.58 | 4.65 | 3.15 | 2.47 | 1.46 | 37.57 |

IOLA (2), ALLEN COUNTY. — Elevation, 957 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|-------|------|------|------|-------|------|------|------|-------|
| 1932 | — | — | — | — | — | — | — | — | 2.44 | 1.32 | 0.69 | 2.98 | — |
| 1933 | 0.48 | 0.30 | 2.08 | 3.57 | 5.18 | 0.62 | 3.60 | 6.16 | 2.77 | 2.09 | 1.06 | 2.39 | 30.30 |
| 1934 | 0.79 | 0.81 | 1.29 | 1.91 | 5.35 | 4.52 | 1.70 | 0.67 | 7.46 | 1.86 | 4.21 | 0.81 | 31.38 |
| 1935 | 1.77 | 1.35 | 1.28 | 3.05 | 11.65 | 8.19 | 0.49 | 4.61 | 2.37 | 5.32 | 7.32 | 0.33 | 47.93 |
| 1936 | 0.92 | 0.21 | 0.11 | 0.27 | 4.10 | 0.82 | 1.50 | 0.71 | 6.85 | 2.16 | 0.91 | 1.38 | 19.94 |
| 1937 | 1.75 | 0.98 | 4.04 | *3.27 | 5.31 | 7.34 | 3.56 | 2.31 | 2.21 | 1.14 | 1.38 | 1.15 | 34.44 |
| 1938 | 1.46 | 2.38 | 4.34 | 2.31 | 10.78 | 5.20 | 2.34 | 1.41 | 1.59 | 2.05 | 2.14 | 0.19 | 36.19 |
| 1939 | 1.17 | 1.45 | 1.97 | 3.20 | 5.09 | 2.31 | 2.21 | 3.10 | 0.69 | 0.76 | 1.75 | 0.79 | 24.49 |
| 1940 | 1.55 | 1.00 | 2.38 | 6.42 | 4.37 | 2.63 | 0.43 | 6.90 | 1.59 | 1.40 | 3.78 | 1.28 | 33.73 |
| 1941 | 3.91 | 0.73 | 0.55 | 3.96 | 2.27 | 8.60 | 0.86 | 7.96 | 12.32 | 6.78 | 2.14 | 0.81 | 50.89 |
| 1942 | 0.73 | 1.49 | 1.62 | 4.71 | 2.62 | 8.47 | 4.53 | 2.97 | 8.09 | 2.05 | 2.06 | 2.42 | 42.88 |
| 1943 | 0.28 | 0.98 | 1.22 | 2.39 | 15.58 | 7.50 | 1.46 | 2.11 | 4.63 | 2.32 | 0.06 | 2.32 | 40.85 |
| 1944 | 0.64 | 2.29 | 4.15 | 7.26 | 5.17 | 5.39 | 3.98 | 5.53 | 3.60 | 2.25 | 2.17 | 2.49 | 45.12 |
| 1945 | 0.38 | 1.22 | 3.36 | 6.74 | 3.63 | 6.71 | 5.41 | 4.30 | 8.15 | 1.26 | 0.03 | 0.82 | 42.01 |
| 1946 | 2.56 | 1.24 | 1.90 | 3.85 | 1.97 | 3.67 | 1.89 | 1.65 | 2.55 | 2.82 | 3.37 | 1.76 | 29.23 |
| Normal | 1.45 | 1.55 | 2.45 | 3.90 | 4.80 | 5.05 | 3.06 | 3.58 | 4.65 | 3.15 | 2.47 | 1.46 | 37.57 |

JUNCTION CITY, GEARY COUNTY. — Elevation, 1,078 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|-------|------|------|------|------|-------|------|------|-------|
| 1931 | 0.14 | 1.14 | 2.16 | 3.24 | 3.15 | 2.42 | 1.71 | 7.51 | 4.34 | 2.69 | 5.88 | 0.50 | 34.88 |
| 1932 | 1.24 | 0.85 | 0.78 | 2.61 | 1.83 | 6.53 | 4.46 | 4.42 | 4.73 | 0.51 | 0.21 | 1.47 | 29.64 |
| 1933 | 0.07 | 0.06 | 3.19 | 3.90 | 3.89 | 0.46 | 5.27 | 3.64 | 8.74 | 0.56 | 0.25 | 0.90 | 30.93 |
| 1934 | 0.80 | 0.92 | 0.48 | 1.06 | 4.34 | 2.81 | 0.93 | 0.13 | 4.96 | 0.42 | 4.04 | 0.67 | 21.56 |
| 1935 | 0.22 | 1.66 | 0.59 | 1.30 | 10.29 | 6.58 | 0.25 | 2.28 | 6.08 | 3.39 | 2.98 | 0.41 | 36.03 |
| 1936 | 0.74 | 0.47 | 0.20 | 1.52 | 10.64 | 0.78 | 1.02 | 1.61 | 5.98 | 3.76 | 0.02 | 1.27 | 28.01 |
| 1937 | 2.77 | 0.97 | 2.04 | 0.65 | 5.72 | 2.19 | 2.65 | 0.29 | 3.03 | 2.35 | 0.69 | 0.19 | 23.54 |
| 1938 | 0.04 | 0.83 | 2.71 | 2.39 | 7.44 | 4.75 | 3.45 | 4.66 | 1.31 | 0.02 | 2.85 | 0.09 | 30.54 |
| 1939 | 0.57 | 0.91 | 1.87 | 2.00 | 5.25 | 7.40 | 0.92 | 6.80 | 0.34 | 1.19 | 2.48 | 0.66 | 30.39 |
| 1940 | 0.50 | 1.92 | 1.47 | 2.74 | 4.67 | 3.30 | 0.06 | 3.87 | 2.55 | 2.29 | 3.71 | 1.15 | 28.23 |
| 1941 | 2.59 | 0.55 | 2.06 | 2.47 | 5.13 | 7.19 | 1.60 | 7.23 | 5.11 | 12.12 | 0.96 | 1.78 | 48.79 |
| 1942 | 0.50 | 1.42 | 1.54 | 3.31 | 8.90 | 9.97 | 1.23 | 6.27 | 9.16 | 2.66 | 0.52 | 2.46 | 47.94 |
| 1943 | 0.36 | 1.07 | 0.70 | 2.31 | 3.21 | 9.48 | 4.65 | 1.69 | 4.19 | 2.34 | 0.32 | 2.35 | 32.67 |
| 1944 | 1.07 | 0.87 | 5.05 | 12.59 | 4.00 | 6.29 | 5.53 | 8.23 | 2.83 | 1.46 | 2.59 | 2.77 | 52.28 |
| 1945 | 0.96 | 1.61 | 1.63 | 6.70 | 5.32 | 6.85 | 7.51 | 4.67 | 5.71 | 0.61 | 0.19 | 0.90 | 43.66 |
| 1946 | 1.28 | 0.58 | 2.68 | 2.15 | 10.45 | 2.52 | 1.48 | 3.58 | 3.70 | 4.46 | 1.63 | 0.73 | 35.24 |
| Normal | 0.70 | 1.10 | 1.71 | 2.60 | 4.40 | 4.60 | 3.20 | 4.38 | 3.56 | 2.66 | 1.74 | 0.90 | 31.55 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

LA CYGNE, LINN COUNTY. — Elevation, 827 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|------|-------|-------|-------|-------|------|------|--------|
| 1931 | 0.65 | 1.81 | 2.70 | 2.52 | 4.77 | 2.55 | 9.16 | 1.76 | 2.63 | 2.27 | 7.66 | 0.70 | 39.18 |
| 1932 | 1.44 | 0.78 | 0.95 | 2.67 | 2.21 | 4.89 | 3.64 | 2.70 | 3.50 | 1.69 | 1.43 | 2.68 | 28.58 |
| 1933 | 1.10 | 0.74 | 2.92 | 1.54 | 7.78 | 1.37 | 5.98 | 6.51 | 1.77 | 0.98 | 1.31 | 2.19 | 34.19 |
| 1934 | 1.15 | 0.88 | 1.42 | 1.80 | 4.30 | 1.90 | 1.99 | 0.26 | 7.08 | 3.16 | 7.84 | 0.82 | 32.60 |
| 1935 | 2.00 | 1.56 | 1.21 | 3.01 | 7.48 | 5.98 | 0.20 | 3.33 | 3.55 | 5.46 | 5.10 | 0.42 | 39.30 |
| 1936 | 1.14 | 1.38 | 0.77 | 0.99 | 3.14 | 0.26 | 0.10 | 0.71 | 8.40 | 1.81 | 1.00 | 2.02 | 21.72 |
| 1937 | 2.78 | 1.42 | 3.44 | 2.55 | 7.81 | 5.92 | 1.67 | 1.15 | 1.45 | 1.28 | 1.11 | 0.88 | 32.46 |
| 1938 | 2.48 | 1.93 | 5.44 | 3.52 | 12.44 | 7.82 | 1.80 | 1.18 | 1.70 | 0.18 | 2.36 | 0.58 | 41.43 |
| 1939 | 1.43 | 1.33 | 1.82 | 2.81 | 3.91 | 3.66 | 1.66 | 3.47 | 0.70 | 1.12 | 2.11 | 0.67 | 24.69 |
| 1940 | 1.82 | 1.63 | 3.83 | 5.46 | 3.88 | 5.48 | 1.85 | 6.57 | 2.42 | 1.96 | 3.91 | 1.49 | 40.30 |
| 1941 | 5.94 | 0.51 | 0.57 | 3.44 | 1.95 | 6.80 | 2.31 | 3.16 | 10.36 | 12.26 | 1.40 | 1.96 | 50.66 |
| 1942 | 0.42 | 1.24 | 3.12 | 5.47 | 3.53 | 9.99 | 1.88 | 4.15 | 8.80 | 2.98 | 2.59 | 2.89 | 47.06 |
| 1943 | 0.40 | 0.70 | 1.25 | 2.25 | 10.15 | 7.56 | 1.62 | 3.46 | 4.41 | 2.97 | 0.14 | 2.57 | 37.48 |
| 1944 | 0.57 | 2.58 | 5.29 | 10.03 | 5.81 | 4.85 | 4.44 | 10.29 | 2.43 | 1.71 | 3.07 | 3.27 | 54.34 |
| 1945 | 0.59 | 2.28 | 4.74 | 7.84 | 6.93 | 6.65 | 12.54 | 3.67 | 8.53 | 0.75 | 0.69 | 1.39 | 56.60 |
| 1946 | 4.33 | 1.38 | 1.54 | 4.46 | 4.94 | 5.07 | 1.85 | 5.82 | 3.05 | 3.14 | 2.46 | 1.89 | 39.93 |
| Normal | 1.45 | 1.45 | 2.60 | 3.75 | 4.80 | 5.06 | 3.57 | 3.90 | 4.40 | 3.35 | 2.50 | 1.45 | 38.28 |

LAWRENCE, DOUGLAS COUNTY. — Elevation, 867 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|-------|------|-------|-------|------|--------|
| 1931 | 0.48 | 1.46 | 1.67 | 3.49 | 4.09 | 1.73 | 3.74 | 4.58 | 3.73 | 1.77 | 10.09 | 1.40 | 38.23 |
| 1932 | 1.03 | 0.41 | 1.14 | 3.65 | 2.37 | 7.01 | 3.89 | 4.49 | 3.03 | 1.26 | 0.70 | 1.80 | 30.78 |
| 1933 | 0.19 | 0.37 | 4.08 | 3.70 | 6.48 | 1.16 | 2.63 | 6.52 | 2.17 | 0.91 | 0.60 | 1.24 | 30.05 |
| 1934 | 0.43 | 0.71 | 0.68 | 1.96 | 5.21 | 1.20 | 2.63 | 2.08 | 6.05 | 1.98 | 3.94 | 0.48 | 27.35 |
| 1935 | 1.32 | 1.27 | 0.90 | 2.24 | 11.00 | 6.60 | 0.91 | 3.05 | 6.14 | 5.75 | 3.45 | 0.30 | 42.93 |
| 1936 | 1.19 | 0.32 | 0.30 | 1.81 | 5.59 | 0.16 | 1.21 | 1.16 | 6.79 | 1.64 | 0.25 | 1.70 | 22.12 |
| 1937 | 3.38 | 0.79 | 2.04 | 1.07 | 2.01 | 1.06 | 2.28 | 4.07 | 0.24 | 1.95 | 1.38 | 1.22 | 21.59 |
| 1938 | 1.50 | 0.99 | 2.54 | 2.25 | 7.61 | 4.22 | 3.84 | 2.25 | 1.88 | 0.27 | 2.67 | 0.31 | 30.33 |
| 1939 | 0.69 | 1.28 | 1.26 | 5.59 | 0.60 | 8.80 | 0.61 | 8.31 | 0.53 | 0.50 | 2.10 | 0.84 | 31.11 |
| 1940 | 1.72 | 0.78 | 1.95 | 4.21 | 6.40 | 3.90 | 0.47 | 12.43 | 3.23 | 1.86 | 3.86 | 1.77 | 42.58 |
| 1941 | 4.01 | 0.24 | 1.25 | 3.75 | 2.84 | 6.78 | 2.78 | 6.51 | 5.29 | 10.43 | 1.39 | 1.61 | 46.88 |
| 1942 | 0.35 | 2.63 | 0.97 | 4.68 | 4.81 | 6.24 | 1.55 | 6.06 | 6.54 | 2.32 | 2.29 | 2.72 | 41.16 |
| 1943 | 0.21 | 0.50 | 0.99 | 1.60 | 6.61 | 8.98 | 1.56 | 5.68 | 3.62 | 2.46 | 0.40 | 1.86 | 34.47 |
| 1944 | 0.85 | 1.33 | 4.07 | 9.11 | 2.11 | 4.53 | 2.60 | 6.33 | 2.34 | 1.31 | 3.38 | 4.69 | 42.65 |
| 1945 | 0.55 | 0.76 | 5.46 | 8.56 | 9.03 | 3.69 | 7.65 | 0.70 | 4.57 | 0.82 | 0.42 | 1.37 | 43.58 |
| 1946 | 2.45 | 0.61 | 3.16 | 2.67 | 3.77 | 7.44 | 0.76 | 4.55 | 2.54 | 2.32 | 1.36 | 1.21 | 32.84 |
| Normal | 1.09 | 1.34 | 2.16 | 3.14 | 4.88 | 4.67 | 3.75 | 3.70 | 4.44 | 2.86 | 2.20 | 1.17 | 35.40 |

LEAVENWORTH, LEAVENWORTH COUNTY. — Elevation, 913 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|-------|--------|
| 1931 | 0.59 | 0.56 | 2.24 | 3.02 | 4.36 | 2.05 | 4.41 | 3.21 | 8.02 | 3.01 | 9.55 | 2.76 | 43.78 |
| 1932 | 1.66 | 0.62 | 1.55 | 3.64 | 2.47 | 6.17 | 2.33 | 4.75 | 3.37 | 1.53 | 0.58 | 1.73 | 30.40 |
| 1933 | 0.55 | 0.62 | 3.55 | 2.17 | 7.41 | 3.53 | 2.93 | 8.58 | 2.08 | *0.70 | 1.09 | 1.09 | 34.30 |
| 1934 | 1.42 | 1.35 | 0.41 | 3.10 | 4.03 | 2.48 | 0.85 | 1.32 | 6.26 | 1.13 | 5.00 | 0.17 | 27.52 |
| 1935 | 1.18 | 1.21 | 0.28 | 1.74 | 12.47 | 6.65 | 0.52 | 5.10 | 8.21 | 5.99 | 3.51 | 0.21 | 47.07 |
| 1936 | 1.99 | 0.24 | T | 2.71 | 5.64 | 0.64 | 0.32 | 0.36 | 8.78 | 1.94 | 0.21 | 1.18 | 24.01 |
| 1937 | 2.24 | 0.91 | 1.87 | 1.66 | 3.00 | 3.64 | 1.58 | 5.67 | 0.90 | 1.73 | 1.13 | 1.06 | 25.39 |
| 1938 | 1.17 | 0.60 | 1.71 | 1.82 | 6.42 | 4.01 | 5.90 | 7.19 | 1.65 | 0.69 | 1.99 | *0.57 | 33.72 |
| 1939 | 0.59 | 0.84 | 2.29 | 4.35 | 1.99 | 6.75 | 0.50 | 4.71 | 0.70 | 0.95 | 2.35 | *0.87 | 26.89 |
| 1940 | 0.81 | 0.93 | 1.93 | 3.73 | 5.28 | 4.14 | 5.19 | 6.83 | 1.66 | 2.04 | 2.69 | 1.41 | 36.64 |
| 1941 | 4.50 | 0.14 | 1.24 | 2.91 | 2.79 | 6.13 | 1.92 | 6.56 | 4.06 | 9.78 | 0.98 | 1.57 | 42.58 |
| 1942 | 0.28 | 2.21 | 1.54 | 1.61 | 5.58 | 7.41 | 3.09 | 5.53 | 4.19 | 2.93 | 1.68 | 2.79 | 38.84 |
| 1943 | 0.35 | 0.50 | 0.73 | 1.57 | 4.70 | 11.49 | 4.53 | 1.89 | 3.10 | 1.77 | 0.50 | 1.42 | 32.55 |
| 1944 | 0.35 | 1.16 | 3.49 | 5.06 | 3.12 | 2.04 | *3.92 | 10.83 | 3.22 | 1.44 | 3.73 | 4.57 | 42.93 |
| 1945 | 0.43 | 1.07 | 3.43 | 6.62 | 5.35 | 8.28 | 2.71 | 1.05 | 6.86 | 1.04 | 0.50 | 1.25 | 38.59 |
| 1946 | 2.91 | 0.55 | 3.58 | 3.04 | 3.33 | 6.31 | 1.40 | 3.28 | *3.95 | *2.76 | 0.98 | 1.97 | 36.06 |
| Normal | 1.09 | 1.22 | 2.01 | 3.16 | 4.92 | 4.43 | 3.42 | 4.28 | 4.73 | 2.69 | 2.08 | 1.07 | 35.10 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

LEBO, COFFEY COUNTY. — Elevation, 1,138 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|------|-------|-------|------|------|------|------|-------|------|------|--------|
| 1931 | 0.62 | 1.27 | 2.35 | 3.04 | 2.88 | 2.93 | 2.19 | 1.46 | 3.11 | 1.71 | 8.95 | 0.50 | 31.01 |
| 1932 | 1.02 | 0.80 | 1.28 | 2.37 | 3.01 | 8.37 | 3.06 | 2.90 | 2.80 | 1.12 | 0.61 | 1.72 | 29.06 |
| 1933 | 0.07 | 0.53 | 2.72 | 2.92 | 5.06 | 0.12 | 4.72 | 4.48 | 2.96 | 1.05 | 0.72 | 1.44 | 26.79 |
| 1934 | 0.37 | 0.85 | 0.78 | 2.70 | 6.16 | 2.35 | 1.61 | 0.20 | 7.59 | 2.37 | 5.12 | 0.77 | 30.87 |
| 1935 | 0.77 | 0.74 | 1.11 | 1.62 | 9.60 | 6.93 | 0.07 | 5.75 | 5.31 | 5.31 | 3.48 | 0.22 | 40.98 |
| 1936 | 1.30 | *0.20 | 0.21 | 1.04 | 4.84 | 0.28 | 0.10 | 0.39 | 5.12 | 1.71 | 0.05 | 2.53 | 17.77 |
| 1937 | 2.18 | 1.15 | 2.76 | 1.99 | 5.61 | 3.22 | — | — | 5.19 | 1.25 | 1.15 | 0.96 | — |
| 1938 | 0.89 | 1.83 | 3.56 | 1.43 | 11.72 | 7.21 | 3.08 | 3.10 | 2.62 | 0.22 | 2.27 | 0.13 | 38.06 |
| 1939 | 0.75 | 2.73 | 1.03 | 3.52 | 2.66 | 3.64 | 0.23 | 6.04 | 0.23 | 1.00 | 0.98 | 0.74 | 23.55 |
| 1940 | 1.00 | 0.94 | 1.31 | 4.62 | 3.77 | 2.89 | 1.39 | 3.92 | 7.53 | 1.87 | 4.14 | 1.48 | 34.86 |
| 1941 | 4.64 | 0.15 | 1.06 | 4.81 | 5.94 | 5.57 | 4.40 | 9.99 | 6.28 | 12.82 | 0.94 | 1.34 | 57.94 |
| 1942 | 0.09 | 2.19 | 0.64 | 5.15 | 3.22 | 7.60 | 3.87 | 8.13 | 5.95 | 3.81 | 1.40 | 3.07 | 45.12 |
| 1943 | 0.14 | *0.92 | 1.35 | 1.93 | 6.42 | 9.94 | 2.95 | 2.46 | 4.78 | 1.90 | 0.31 | 2.23 | 35.33 |
| 1944 | 0.32 | 1.47 | 3.74 | 11.61 | 1.40 | 6.89 | 3.04 | 7.39 | 1.75 | 3.22 | 3.27 | 4.68 | 48.78 |
| 1945 | 0.42 | 0.73 | 5.80 | 11.28 | 4.94 | 7.44 | 4.32 | 4.29 | 7.15 | 0.70 | 0.36 | 1.57 | 49.00 |
| 1946 | 2.35 | 1.22 | 2.33 | 3.01 | 3.25 | 3.49 | 1.65 | 2.93 | 3.99 | 5.38 | 1.80 | 0.88 | 32.28 |
| Normal | 0.94 | 1.29 | 2.08 | 3.02 | 4.91 | 4.99 | 3.39 | 3.95 | 4.38 | 2.91 | 2.06 | 1.14 | 35.06 |

LECOMPTON, DOUGLAS COUNTY. — Elevation, 846 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|
| 1936 | — | — | — | — | — | 0.25 | 0.90 | 0.67 | 6.98 | 1.37 | 0.05 | 1.82 | — |
| 1937 | 2.09 | 0.69 | 2.08 | 1.46 | 2.24 | 1.40 | 1.18 | 3.65 | 0.58 | 1.67 | 1.15 | 0.97 | 19.16 |
| 1938 | 1.14 | 0.95 | 2.31 | 2.51 | 8.22 | 5.18 | 2.49 | 2.15 | 1.02 | 0.27 | 2.11 | 0.22 | 28.57 |
| 1939 | 0.49 | 1.48 | 1.67 | 4.67 | 1.26 | 6.27 | 0.24 | 8.09 | 0.88 | 0.59 | 1.38 | 0.83 | 27.85 |
| 1940 | 1.32 | 0.84 | 1.63 | 3.65 | 6.81 | 4.11 | 0.17 | 11.41 | 3.83 | 1.45 | 3.73 | 1.51 | 40.46 |
| 1941 | 4.15 | 0.30 | 1.10 | 4.41 | 3.31 | 8.34 | 1.71 | 5.69 | 5.02 | 8.84 | 2.28 | 1.46 | 46.61 |
| 1942 | 0.47 | 2.01 | 0.94 | 3.01 | 5.07 | 6.27 | 2.10 | 8.66 | 4.57 | 2.23 | 2.14 | 2.95 | 40.42 |
| 1943 | 0.12 | 0.62 | 0.98 | 1.26 | 6.04 | 9.86 | 3.92 | 5.70 | 3.93 | 2.13 | 0.64 | 2.00 | 37.20 |
| 1944 | 0.43 | 1.10 | 4.86 | 8.06 | 3.39 | 4.58 | 2.64 | 7.47 | 2.60 | 2.29 | 3.66 | 4.77 | 45.85 |
| 1945 | 0.45 | 0.97 | 4.03 | 7.43 | 7.72 | 3.97 | 3.77 | 0.74 | 4.94 | 1.29 | 0.35 | 1.30 | 36.96 |
| 1946 | 2.52 | 0.52 | 2.94 | 3.96 | 3.74 | 6.81 | 0.89 | 4.83 | 3.59 | 1.80 | 1.17 | 2.03 | 34.80 |
| Normal | 0.86 | 1.33 | 2.14 | 3.10 | 4.75 | 4.60 | 3.70 | 4.00 | 4.40 | 2.80 | 2.10 | 1.15 | 34.93 |

LE ROY, COFFEY COUNTY. — Elevation, 990 feet

| | | | | | | | | | | | | | |
|--------|-------|------|------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|
| 1931 | 1.57 | 1.52 | 2.95 | 3.25 | 3.90 | 4.21 | 1.37 | 0.84 | 2.89 | 1.87 | 10.12 | 0.79 | 35.28 |
| 1932 | 1.02 | 1.51 | 1.49 | 2.82 | 2.78 | 5.54 | 5.75 | 1.29 | 2.42 | 1.37 | 0.67 | 2.32 | 28.98 |
| 1933 | 0.78 | 0.52 | 2.82 | 4.42 | 8.63 | 0.12 | 4.51 | 6.94 | 3.19 | 1.39 | 0.71 | 2.12 | 36.15 |
| 1934 | 0.35 | 0.78 | 1.12 | 2.22 | 4.58 | 2.35 | 2.59 | 1.55 | 6.48 | 1.81 | 5.09 | 1.10 | 30.02 |
| 1935 | 1.34 | 1.05 | 0.89 | 1.78 | 10.14 | 7.80 | 0.38 | 3.68 | 3.45 | 8.02 | 5.17 | 0.28 | 43.98 |
| 1936 | 0.86 | 0.69 | 0.14 | 0.19 | 3.49 | 1.24 | 0.71 | 0.72 | 7.41 | 2.16 | 0.23 | 2.99 | 20.83 |
| 1937 | 1.70 | 1.03 | 2.52 | 2.80 | 6.55 | 3.92 | 3.49 | 2.59 | 3.00 | 1.30 | 1.29 | 0.91 | 31.10 |
| 1938 | 0.99 | 2.58 | 3.93 | 1.65 | 12.58 | 5.98 | 3.31 | 1.47 | 2.33 | 0.78 | 2.86 | 0.25 | 38.71 |
| 1939 | 1.34 | 1.17 | 1.92 | 2.32 | 4.01 | 2.83 | *1.24 | 4.61 | 0.82 | 0.98 | 1.66 | *0.72 | 23.62 |
| 1940 | *1.18 | 0.88 | 1.87 | 6.44 | 3.01 | 1.59 | 1.51 | 6.24 | 3.17 | 1.54 | 5.05 | 1.66 | 34.14 |
| 1941 | 4.24 | 0.59 | 0.48 | 4.18 | 1.55 | 8.15 | 3.07 | 6.81 | 9.75 | 10.04 | 1.80 | 1.93 | 52.59 |
| 1942 | 0.60 | 1.78 | 3.27 | 6.09 | 1.90 | 9.05 | 4.07 | 8.86 | 8.48 | 2.46 | 1.59 | 2.66 | 50.81 |
| 1943 | 0.33 | 0.81 | 0.97 | 2.44 | 11.74 | 8.83 | 1.96 | 1.68 | 4.65 | 5.17 | 0.12 | 2.38 | 41.08 |
| 1944 | 0.86 | 2.00 | 4.55 | 10.01 | 3.31 | 5.71 | 7.54 | 5.94 | 2.19 | 2.24 | 2.79 | 3.10 | 50.24 |
| 1945 | 0.57 | 1.19 | 5.78 | 8.38 | 3.49 | 6.65 | 4.35 | 4.33 | 10.40 | 0.77 | 0.22 | 0.99 | 47.02 |
| 1946 | 2.69 | 1.32 | 2.59 | 4.71 | 2.10 | 1.47 | 2.25 | 2.22 | 3.29 | 3.06 | 3.11 | 1.51 | 30.32 |
| Normal | 1.14 | 1.24 | 2.40 | 3.67 | 4.96 | 5.20 | 3.37 | 3.60 | 4.68 | 3.08 | 2.22 | 1.29 | 36.85 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

LYNDON, OSAGE COUNTY. -- Elevation, 1,006 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|-------|------|------|------|-------|------|------|--------|
| 1931 | 0.58 | 1.89 | 1.72 | 2.72 | 5.32 | 2.28 | 3.72 | 2.47 | 4.20 | 1.71 | 9.24 | 0.67 | 36.52 |
| 1932 | 0.97 | 0.28 | 0.63 | 3.04 | 2.12 | 3.98 | 7.57 | 3.89 | 2.66 | 1.60 | 0.30 | 1.42 | 28.46 |
| 1933 | 0.06 | 0.38 | 2.46 | 3.06 | 6.37 | 0.00 | 2.02 | 5.13 | 3.34 | 0.50 | 1.28 | 1.37 | 26.17 |
| 1934 | 0.64 | 0.85 | 0.75 | 2.64 | 6.00 | 2.09 | 2.47 | 0.30 | 6.91 | 0.62 | 4.42 | 0.50 | 28.19 |
| 1935 | 0.65 | 0.81 | 0.42 | 2.20 | 14.09 | 6.63 | 0.02 | 7.11 | 3.19 | 4.31 | 3.43 | 0.25 | 43.11 |
| 1936 | 0.95 | 0.22 | 0.25 | 0.91 | 4.66 | 0.33 | 0.32 | 0.83 | 6.15 | 2.45 | T | 2.19 | 19.26 |
| 1937 | 2.10 | 0.73 | 1.85 | 2.00 | 4.34 | 2.12 | 4.92 | 3.31 | 1.75 | 2.21 | 1.64 | 1.19 | 28.16 |
| 1938 | 0.76 | 1.01 | 2.44 | 2.97 | 9.70 | 8.74 | 4.70 | 3.33 | 1.27 | 0.18 | 2.75 | 0.08 | 37.53 |
| 1939 | 0.47 | 1.11 | 0.95 | 2.46 | 2.33 | 4.25 | 0.17 | 4.61 | 0.32 | 0.95 | 1.35 | 0.60 | 19.97 |
| 1940 | 0.87 | 0.74 | 1.79 | 4.35 | 3.72 | 2.84 | 0.15 | 4.63 | 2.86 | 2.13 | 3.79 | 1.50 | 29.37 |
| 1941 | 4.60 | 0.18 | 0.96 | 4.09 | 3.82 | 4.39 | 3.53 | 7.05 | 4.83 | 11.33 | 1.00 | 1.13 | 46.91 |
| 1942 | 0.33 | 1.78 | 0.78 | 3.78 | 2.93 | 7.58 | 1.69 | 5.82 | 8.43 | 2.77 | 1.53 | 2.94 | 40.36 |
| 1943 | 0.06 | 0.62 | 1.25 | 2.40 | 7.05 | 13.70 | 2.13 | 2.19 | 5.96 | 1.49 | 0.33 | 2.07 | 39.25 |
| 1944 | 0.35 | 1.75 | 3.02 | 10.11 | 1.75 | 4.11 | 3.22 | 8.57 | 2.52 | 2.71 | 3.75 | 4.52 | 46.38 |
| 1945 | 0.55 | 0.76 | 5.69 | 9.71 | 5.18 | 7.26 | 6.78 | 1.16 | 7.16 | 1.09 | 0.61 | 0.95 | 46.90 |
| 1946 | 2.19 | 0.83 | 2.38 | 3.37 | 5.92 | 3.38 | 0.45 | 7.08 | 3.62 | 3.73 | 1.78 | 1.11 | 35.84 |
| Normal | 1.05 | 1.21 | 2.00 | 3.19 | 4.91 | 4.70 | 3.50 | 4.08 | 4.16 | 2.69 | 2.12 | 1.15 | 34.76 |

McFARLAND, WABAUNSEE COUNTY. -- Elevation, 1,025 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|-------|------|-------|------|------|------|------|--------|
| 1931 | 0.21 | 0.79 | 2.07 | 3.28 | 2.73 | 1.54 | 3.55 | 7.11 | 7.85 | 2.09 | 7.19 | 0.87 | 39.28 |
| 1932 | 1.25 | 0.78 | 1.25 | 3.01 | 4.47 | 5.13 | 2.92 | 4.12 | 3.04 | 0.54 | 0.50 | 1.47 | 28.48 |
| 1933 | 0.41 | 0.17 | 2.17 | 2.83 | 1.93 | 0.56 | 3.38 | 3.97 | 4.16 | 2.20 | 0.28 | 0.67 | 22.73 |
| 1934 | 0.29 | 1.00 | 0.70 | 0.76 | 3.08 | 2.61 | 1.16 | 0.26 | 4.39 | 1.36 | 5.47 | 0.45 | 21.53 |
| 1935 | 0.36 | 1.22 | 0.32 | 1.08 | 8.00 | 4.00 | 0.04 | 11.65 | 4.52 | 3.36 | 2.87 | 0.56 | 37.98 |
| 1936 | 1.13 | 0.45 | 0.27 | 1.85 | 7.43 | 0.39 | 1.01 | 1.96 | 5.59 | 1.42 | 0.00 | 1.36 | 22.86 |
| 1937 | 2.35 | 1.37 | 2.45 | 0.81 | 2.84 | 1.45 | 2.71 | 1.91 | 0.67 | 1.23 | 0.88 | 0.54 | 19.21 |
| 1938 | 0.50 | 1.22 | 2.95 | 1.27 | 12.85 | 2.67 | 4.52 | 2.97 | 0.88 | 0.01 | 3.01 | 0.34 | 33.19 |
| 1939 | 0.60 | 1.26 | 1.80 | 3.56 | 1.03 | 5.30 | 0.28 | 4.15 | 0.47 | 0.75 | 0.26 | 0.86 | 20.32 |
| 1940 | 0.93 | 1.44 | 1.24 | 3.18 | 5.27 | 2.60 | 0.72 | 5.29 | 1.76 | 2.30 | 3.13 | 1.08 | 28.94 |
| 1941 | 2.39 | 0.14 | 1.19 | 1.45 | 5.95 | 2.50 | 3.10 | 5.92 | 5.30 | 9.93 | 0.49 | 1.73 | 40.09 |
| 1942 | 0.49 | 1.70 | 1.08 | 2.11 | 6.84 | 7.17 | 0.78 | 9.40 | 8.33 | 2.46 | 1.21 | 3.02 | 44.59 |
| 1943 | 0.24 | 0.76 | 0.94 | 1.42 | 3.76 | 14.23 | 1.78 | 1.01 | 4.33 | 2.58 | 0.69 | 1.42 | 33.16 |
| 1944 | 0.69 | 0.89 | 5.73 | 11.17 | 5.52 | 6.38 | 5.18 | 9.35 | 4.73 | 1.32 | 2.37 | 4.82 | 58.15 |
| 1945 | 0.65 | 1.74 | 2.91 | 3.64 | 4.83 | 7.47 | 5.74 | 1.20 | 6.10 | 0.63 | 0.50 | 1.24 | 36.65 |
| 1946 | 1.65 | 0.49 | 3.06 | 3.00 | 4.57 | 5.39 | 1.91 | 5.67 | 5.48 | 1.73 | 0.97 | 2.51 | 36.43 |
| Normal | 0.83 | 1.04 | 1.75 | 3.10 | 4.67 | 4.80 | 3.41 | 4.10 | 4.00 | 2.72 | 2.00 | 0.89 | 33.31 |

MANHATTAN, RILEY COUNTY. -- Elevation, 1,073 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|-------|------|-------|------|-------|------|------|--------|
| 1931 | 0.12 | 1.18 | 1.64 | 2.79 | 3.28 | 2.80 | 1.52 | 10.52 | 7.21 | 2.04 | 5.12 | 0.53 | 38.75 |
| 1932 | 1.03 | 0.83 | 0.40 | 1.91 | 2.67 | 4.88 | 1.91 | 4.11 | 4.03 | 0.60 | 0.24 | 1.32 | 23.93 |
| 1933 | 0.12 | 0.08 | 1.82 | 2.86 | 1.57 | 0.69 | 4.68 | 4.07 | 4.13 | 1.03 | 0.20 | 0.69 | 21.94 |
| 1934 | 0.62 | 0.94 | 0.31 | 0.52 | 4.17 | 1.89 | 0.85 | 0.80 | 4.66 | 0.63 | 3.79 | 0.20 | 19.38 |
| 1935 | 0.21 | 1.12 | 0.21 | 1.05 | 7.62 | 6.79 | 0.04 | 8.79 | 5.34 | 3.41 | 2.54 | 0.59 | 37.71 |
| 1936 | 1.03 | 0.30 | 0.19 | 1.40 | 5.78 | 0.75 | 1.78 | 2.19 | 7.55 | 2.29 | 0.02 | 1.26 | 24.54 |
| 1937 | 1.76 | 0.91 | 1.75 | 0.54 | 2.42 | 3.39 | 4.39 | 2.05 | 1.52 | 2.15 | 0.67 | 0.26 | 21.81 |
| 1938 | 0.18 | 0.75 | 2.52 | 1.11 | 7.99 | 3.27 | 4.54 | 4.43 | 0.79 | 0.42 | 2.56 | 0.31 | 28.87 |
| 1939 | 0.42 | 0.90 | 2.34 | 2.73 | 2.34 | 7.30 | 2.06 | 6.24 | 0.78 | 1.29 | 1.80 | 0.53 | 28.73 |
| 1940 | 0.88 | 1.47 | 0.64 | 3.24 | 3.95 | 4.06 | 0.38 | 4.72 | 3.09 | 1.44 | 2.75 | 1.05 | 27.67 |
| 1941 | 2.08 | 0.28 | 1.23 | 1.81 | 2.36 | 3.80 | 1.29 | 3.00 | 4.85 | 11.50 | 0.48 | 1.25 | 33.93 |
| 1942 | 0.64 | 0.93 | 1.61 | 1.77 | 6.00 | 11.48 | 2.19 | 3.85 | 7.48 | 2.20 | 0.67 | 2.35 | 41.17 |
| 1943 | 0.22 | 1.15 | 0.98 | 1.15 | 3.14 | 12.28 | 4.68 | 1.71 | 4.23 | 2.29 | 0.27 | 2.03 | 34.13 |
| 1944 | 1.00 | 0.85 | 4.53 | 8.92 | 3.69 | 2.92 | 6.81 | 11.65 | 2.53 | 1.15 | 2.88 | 2.65 | 49.58 |
| 1945 | 0.75 | 1.31 | 2.50 | 7.47 | 4.50 | 7.93 | 7.53 | 2.25 | 4.49 | 0.88 | 0.20 | 1.14 | 40.95 |
| 1946 | 0.95 | 0.37 | 2.09 | 1.46 | 2.53 | 2.17 | 0.97 | 7.05 | 7.33 | 3.35 | 0.96 | 0.60 | 29.83 |
| Normal | 0.71 | 1.22 | 1.62 | 2.66 | 4.43 | 4.61 | 3.73 | 4.24 | 3.93 | 2.25 | 1.77 | 0.86 | 32.03 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

MORAN, ALLEN COUNTY. — Elevation, 1,068 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|-------|------|------|-------|------|------|-------|-------|-------|-------|------|--------|
| 1937 | *2.10 | 0.77 | 3.55 | 2.79 | 5.07 | 4.55 | 3.55 | 1.53 | 3.30 | 1.11 | 0.63 | 0.69 | 29.64 |
| 1938 | 1.65 | 1.97 | 4.17 | 3.40 | 11.25 | 5.42 | 3.54 | 1.25 | 1.74 | 1.48 | 1.67 | 0.41 | 37.95 |
| 1939 | 1.28 | 0.99 | 2.96 | 2.53 | 4.23 | 2.74 | 1.56 | 3.78 | 0.50 | 1.62 | 1.86 | 0.54 | 24.99 |
| 1940 | 0.83 | 1.26 | 3.28 | 6.11 | 2.68 | 4.73 | 0.72 | 6.26 | 1.58 | 1.93 | 3.44 | 1.68 | 34.50 |
| 1941 | 4.68 | *0.76 | 0.56 | 4.60 | 4.05 | 3.57 | 2.32 | 12.19 | 16.79 | 8.58 | 3.21 | 1.26 | 62.57 |
| 1942 | 0.77 | 1.32 | 1.12 | 5.10 | 4.56 | 8.90 | 4.77 | 4.20 | 6.04 | 4.02 | 2.15 | 2.97 | 45.92 |
| 1943 | 0.41 | 1.26 | 1.69 | 1.96 | 15.19 | 6.90 | 2.05 | 2.02 | 7.83 | 3.01 | 0.20 | 2.60 | 45.12 |
| 1944 | 1.08 | 2.82 | 5.56 | 8.94 | 5.70 | 6.82 | 5.06 | 9.58 | 5.65 | *2.70 | *2.13 | 2.69 | 58.73 |
| 1945 | 0.85 | 1.53 | 5.43 | 7.55 | 4.51 | 6.52 | 4.96 | 5.93 | 10.06 | 0.86 | 0.49 | 0.69 | 49.38 |
| 1946 | 3.96 | 1.34 | 2.76 | 2.89 | 2.06 | 2.25 | 1.23 | 1.58 | 2.72 | *3.06 | *3.34 | 1.02 | 28.21 |
| Normal | 1.54 | 1.60 | 2.37 | 4.00 | 4.85 | 5.01 | 3.60 | 3.50 | 4.70 | 3.42 | 2.44 | 1.50 | 38.53 |

MORRILL, BROWN COUNTY. — Elevation, 1,100 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|-------|------|------|------|------|-------|------|-------|-------|-------|--------|
| 1940 | — | — | — | — | — | — | — | — | — | — | 1.64 | 1.00 | — |
| 1941 | 1.90 | 0.38 | 1.11 | 2.98 | 1.71 | 5.00 | 1.54 | 4.54 | 4.01 | 10.01 | 1.34 | 1.70 | 36.22 |
| 1942 | 1.22 | 1.94 | 2.02 | 0.30 | 5.16 | 5.48 | 3.17 | 3.71 | 4.88 | 2.33 | *1.09 | 3.22 | 34.52 |
| 1943 | 0.51 | *0.65 | *0.71 | 0.94 | 6.08 | 7.48 | 2.34 | *1.54 | 3.55 | *0.88 | *0.67 | *2.05 | 27.40 |
| 1944 | 0.56 | 0.78 | 3.41 | 6.51 | 5.44 | 6.85 | 2.15 | 9.01 | 2.69 | 1.45 | 1.64 | *2.50 | 42.99 |
| 1945 | 0.39 | 1.81 | 3.22 | 5.98 | 5.44 | 5.13 | 2.56 | 1.25 | 4.63 | *0.67 | *0.30 | *1.04 | 32.42 |
| 1946 | 1.07 | 0.11 | 4.63 | 2.13 | 3.47 | 4.07 | 3.01 | 1.73 | 8.87 | 2.94 | 1.81 | 0.15 | 33.99 |
| Normal | 0.72 | 1.10 | 1.60 | 2.80 | 3.98 | 4.80 | 3.10 | 3.60 | 4.30 | 2.40 | 1.65 | 0.92 | 30.97 |

NEOSHO RAPIDS, LYON COUNTY. — Elevation, 1,092 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|-------|-------|-------|-------|------|-------|------|-------|------|------|--------|
| 1931 | 0.76 | 1.37 | 2.01 | 1.96 | 3.84 | 1.85 | 1.88 | 2.58 | 4.56 | 1.46 | 9.52 | 0.90 | 32.69 |
| 1932 | 0.86 | 0.95 | 0.79 | 2.94 | 2.44 | 6.88 | 4.31 | 1.97 | 3.42 | 1.28 | 0.44 | 1.58 | 27.86 |
| 1933 | 0.09 | 0.33 | 2.28 | 3.05 | 4.58 | 0.03 | 6.01 | 3.56 | 2.17 | 1.03 | 0.62 | 1.11 | 24.86 |
| 1934 | 0.74 | 0.54 | 0.55 | 1.46 | 5.40 | 1.83 | 1.70 | 0.24 | 5.44 | 1.27 | 3.93 | 0.46 | 23.09 |
| 1935 | 0.77 | 1.15 | 1.38 | 1.32 | 8.08 | 6.07 | 0.12 | 4.35 | 6.18 | 7.10 | 4.13 | 0.44 | 41.09 |
| 1936 | *1.00 | 0.04 | 0.03 | 0.96 | 4.76 | 0.36 | 0.04 | 0.31 | 4.82 | 1.67 | T | 1.99 | 15.98 |
| 1937 | 2.00 | 0.29 | 2.09 | 1.84 | 4.55 | 2.28 | 2.30 | 1.17 | 6.73 | 1.00 | 1.28 | 0.96 | 26.49 |
| 1938 | 0.69 | 1.26 | 3.29 | 1.76 | 13.39 | 5.49 | 3.56 | 3.19 | 2.57 | 0.20 | 1.90 | 0.06 | 37.36 |
| 1939 | 0.45 | 1.63 | 1.08 | 2.04 | *3.60 | *3.19 | 0.39 | 6.24 | 0.24 | 1.14 | 1.14 | 0.70 | 21.84 |
| 1940 | 1.44 | 0.98 | 1.96 | 4.29 | 4.01 | 3.24 | 1.03 | 2.59 | 6.04 | 1.48 | 4.17 | 2.18 | 33.41 |
| 1941 | 5.40 | 0.24 | 1.02 | 4.92 | 3.98 | 5.24 | 3.16 | 10.63 | 5.80 | 10.87 | 1.12 | 1.04 | 53.42 |
| 1942 | 0.27 | 2.10 | 0.65 | 6.09 | 3.03 | 8.26 | 1.79 | 10.06 | 7.55 | 2.16 | 1.33 | 3.16 | 46.45 |
| 1943 | 0.17 | 0.91 | 1.58 | 1.66 | 6.02 | 8.86 | 3.58 | 2.44 | 4.82 | 1.60 | 0.37 | 2.41 | 34.42 |
| 1944 | 0.71 | 1.68 | 4.39 | 9.78 | 1.62 | 3.32 | 4.70 | 5.58 | 1.73 | 2.88 | 3.20 | 4.64 | 44.23 |
| 1945 | 0.59 | 0.98 | *6.40 | 11.79 | 5.96 | 5.88 | 3.29 | 10.05 | 7.33 | 0.89 | 0.14 | 1.67 | 54.97 |
| 1946 | *2.18 | 1.22 | 2.37 | 3.38 | 3.11 | 5.05 | 0.79 | 2.56 | 5.99 | 4.63 | 2.25 | 0.58 | 34.11 |
| Normal | 0.90 | 1.03 | 1.99 | 3.00 | 4.67 | 4.75 | 3.42 | 3.49 | 4.19 | 2.80 | 2.12 | 1.10 | 33.46 |

OKETO, MARSHALL COUNTY. — Elevation, 1,231 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|-------|------|------|------|------|--------|
| 1931 | 0.06 | 0.33 | 1.44 | 2.96 | 3.94 | 1.07 | 1.81 | 3.20 | 8.69 | 3.64 | 3.62 | 1.72 | 32.48 |
| 1932 | 1.41 | 0.90 | 0.77 | 1.51 | 5.46 | 2.90 | 4.71 | 7.17 | 2.00 | 1.65 | 0.05 | 1.03 | 29.56 |
| 1933 | 0.29 | 0.09 | 2.56 | 1.06 | 2.41 | 0.61 | 3.24 | 7.28 | 7.94 | 0.17 | 0.36 | 0.54 | 26.55 |
| 1934 | 0.08 | 0.33 | 0.19 | 0.46 | 1.24 | 2.08 | 0.50 | 3.16 | 3.82 | 1.20 | 2.99 | 0.62 | 16.87 |
| 1935 | 0.55 | 0.66 | 0.89 | 0.89 | 10.04 | 5.19 | 1.65 | 5.37 | 4.44 | 4.25 | 1.73 | 0.22 | 35.88 |
| 1936 | 1.44 | 0.47 | 0.04 | 3.80 | 4.58 | 1.98 | 0.28 | 1.63 | 4.88 | 1.16 | 0.03 | 0.87 | 21.16 |
| 1937 | 1.51 | 0.45 | 2.63 | 1.10 | 1.85 | 3.24 | 3.91 | 2.56 | 1.13 | 1.81 | 1.07 | 0.10 | 20.56 |
| 1938 | 0.29 | 1.22 | 2.29 | 1.59 | 8.46 | 4.10 | 7.12 | 2.98 | 1.57 | 0.58 | 3.21 | 0.18 | 33.59 |
| 1939 | 0.29 | 0.96 | 1.45 | 4.23 | 2.05 | 7.17 | 2.99 | 9.10 | 0.60 | 2.12 | 0.97 | 0.94 | 32.87 |
| 1940 | 0.68 | 1.24 | 1.43 | 1.82 | 1.23 | 2.68 | 0.22 | 8.81 | 1.43 | 1.09 | 1.79 | 1.10 | 23.52 |
| 1941 | 1.78 | 0.47 | 0.70 | 1.64 | 3.98 | 6.29 | 2.68 | 2.99 | 4.06 | 6.10 | 0.95 | 1.87 | 33.51 |
| 1942 | 0.54 | 1.08 | 1.12 | 0.78 | 6.83 | 5.73 | 1.31 | 3.39 | 3.64 | 1.85 | 0.53 | 0.98 | 27.78 |
| 1943 | 0.08 | 0.85 | 0.56 | 1.34 | 5.34 | 9.66 | 3.36 | 3.53 | 1.22 | 1.10 | 0.49 | 0.54 | 28.07 |
| 1944 | 0.57 | 0.80 | 2.69 | 5.55 | 2.99 | 5.09 | 4.52 | 11.35 | 3.15 | 1.77 | 2.43 | 1.48 | 41.99 |
| 1945 | 0.66 | 1.33 | 2.48 | 6.32 | 9.40 | 4.53 | 2.63 | 1.03 | 4.66 | 0.18 | 0.38 | 0.86 | 34.78 |
| 1946 | 0.98 | 0.11 | 4.23 | 1.60 | 2.95 | 2.54 | 5.43 | 2.89 | 3.62 | 3.79 | 1.38 | 0.05 | 29.57 |
| Normal | 0.62 | 0.95 | 1.40 | 2.60 | 4.10 | 4.22 | 3.00 | 3.60 | 3.36 | 2.23 | 1.39 | 0.80 | 28.27 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

OLATHIE, JOHNSON COUNTY. — Elevation, 1,032 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|------|------|------|------|-------|------|-------|--------|
| 1931 | 0.72 | 1.96 | 2.27 | 2.67 | 5.82 | 1.55 | 4.20 | 5.28 | 3.37 | 1.76 | 8.57 | 1.77 | 39.94 |
| 1932 | 1.20 | 0.60 | 2.05 | 2.45 | 3.28 | 6.10 | 4.21 | 4.70 | 2.61 | 1.49 | 1.58 | 2.31 | 32.58 |
| 1933 | 0.87 | 0.77 | 3.17 | 1.18 | 6.86 | 1.45 | 1.61 | 5.17 | 4.13 | 1.30 | 0.27 | 1.69 | 28.47 |
| 1934 | 0.64 | 0.79 | 0.52 | 2.19 | 3.85 | 1.60 | 1.26 | 2.12 | 7.19 | 1.70 | 5.62 | 0.90 | 28.38 |
| 1935 | 1.20 | 1.39 | 0.70 | 2.03 | 16.22 | 8.16 | 1.35 | 2.41 | 7.22 | 4.19 | 4.09 | 0.33 | 49.29 |
| 1936 | 1.21 | 0.49 | 0.16 | 0.78 | 3.93 | 0.17 | 0.36 | 1.24 | 7.28 | 1.64 | 0.10 | *3.00 | 20.36 |
| 1937 | 2.60 | 0.95 | 2.48 | 2.94 | 2.23 | 2.05 | 1.67 | 4.57 | 0.07 | 1.11 | 1.36 | 0.97 | 23.00 |
| 1938 | 1.60 | 0.95 | 3.19 | 1.76 | 9.23 | 4.97 | 1.36 | 1.53 | 2.37 | 0.20 | 2.50 | 0.22 | 29.88 |
| 1939 | 1.11 | 1.40 | 0.95 | 4.72 | 5.02 | 7.16 | 1.01 | 6.74 | 0.60 | 0.78 | 2.36 | 0.92 | 32.77 |
| 1940 | 1.43 | 0.92 | 2.16 | 7.42 | 5.68 | 6.59 | 1.67 | 7.34 | 1.83 | 2.19 | 4.34 | 1.25 | 42.82 |
| 1941 | 5.90 | 0.88 | 0.79 | 6.47 | 2.88 | 5.61 | 3.79 | 4.74 | 6.80 | 11.39 | 0.89 | 1.88 | 52.02 |
| 1942 | 0.27 | 2.45 | 1.99 | 4.76 | 4.67 | 8.86 | 3.90 | 4.19 | 4.86 | 3.31 | 2.49 | 2.43 | 44.18 |
| 1943 | 0.29 | 0.75 | 1.23 | 1.73 | 5.29 | 9.13 | 2.29 | 5.28 | 3.74 | 2.05 | 0.24 | 1.58 | 33.60 |
| 1944 | 0.54 | 1.99 | 3.32 | 10.74 | 3.45 | 4.39 | 3.83 | 4.74 | 3.15 | 1.54 | 2.43 | 4.03 | 44.15 |
| 1945 | 0.39 | 1.27 | 8.22 | — | 6.80 | 8.70 | 1.67 | 0.28 | — | — | — | — | — |
| 1946 | 3.81 | 0.67 | 2.62 | 4.06 | 5.93 | 3.16 | 0.47 | 4.59 | 2.98 | 4.82 | 0.63 | 2.49 | 36.23 |
| Normal | 1.33 | 1.35 | 2.32 | 3.17 | 4.80 | 4.63 | 3.51 | 4.12 | 4.46 | 2.90 | 2.14 | 1.35 | 36.08 |

OSAGE CITY, OSAGE COUNTY. — Elevation, 1,061 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|-------|-------|-------|------|-------|------|------|------|-------|
| 1931 | 0.49 | 1.60 | 2.25 | 3.27 | 5.31 | 2.31 | 3.92 | 2.57 | 4.21 | 3.30 | 9.38 | 0.89 | 39.50 |
| 1932 | 1.04 | 0.63 | 0.88 | 3.30 | 2.07 | 5.49 | 7.72 | 3.52 | 3.39 | 1.97 | 0.39 | 1.50 | 31.90 |
| 1933 | 0.18 | 0.35 | 2.53 | 4.06 | 7.04 | 0.12 | 4.98 | 5.57 | 3.58 | 1.09 | 1.16 | 1.96 | 32.62 |
| 1934 | 0.41 | 1.09 | 0.90 | 2.96 | 6.25 | 4.34 | *2.35 | 0.42 | 6.09 | 1.28 | 4.63 | 0.55 | 31.27 |
| 1935 | 1.01 | 1.35 | 1.23 | 1.71 | 13.33 | 6.00 | 0.13 | 7.07 | 4.14 | 5.10 | 3.40 | 0.45 | 44.92 |
| 1936 | 1.47 | 0.47 | 0.22 | 1.24 | 5.64 | 0.29 | 0.16 | 1.21 | 7.15 | 2.94 | 0.06 | 2.02 | 23.47 |
| 1937 | 2.78 | 1.05 | 2.66 | 1.99 | 6.97 | 3.51 | 3.69 | 4.24 | 3.38 | 1.51 | 1.90 | 1.22 | 35.10 |
| 1938 | 0.99 | 2.08 | 2.70 | 2.10 | 9.88 | 9.02 | 3.56 | 3.83 | *3.35 | 0.47 | 2.52 | 0.12 | 40.62 |
| 1939 | 0.77 | 2.35 | 1.61 | 4.28 | 3.52 | 4.18 | 0.29 | 4.90 | 0.32 | 0.80 | 1.43 | 1.16 | 25.61 |
| 1940 | 1.62 | 1.27 | 1.90 | 5.30 | *3.85 | *2.95 | 0.40 | 7.55 | 3.53 | 2.63 | 4.33 | 1.77 | 37.10 |
| 1941 | 5.10 | 0.44 | 1.42 | 4.10 | 4.34 | 4.94 | 2.45 | 7.19 | *5.01 | 9.40 | 1.15 | 1.15 | 46.69 |
| 1942 | 0.30 | 1.96 | 0.77 | 3.88 | 3.97 | 9.22 | 1.56 | 5.79 | 7.08 | 2.53 | 1.92 | 3.59 | 42.57 |
| 1943 | 0.26 | 0.79 | 1.51 | 2.14 | 6.32 | 12.13 | 2.10 | 2.85 | 7.86 | 1.66 | 0.52 | 2.50 | 40.64 |
| 1944 | 0.72 | 1.61 | 4.13 | 10.93 | 1.58 | 4.19 | 4.69 | 7.88 | 2.59 | 4.34 | 3.88 | 5.63 | 51.87 |
| 1945 | 0.62 | 1.60 | 5.09 | 9.97 | 5.73 | 7.56 | 4.37 | 1.19 | 7.86 | 0.85 | 0.37 | 1.34 | 46.55 |
| 1946 | 2.76 | 1.27 | 2.84 | 3.05 | 6.08 | 3.88 | 0.49 | 7.49 | 4.26 | 2.72 | 1.59 | 1.10 | 37.53 |
| Normal | 0.97 | 1.20 | 1.92 | 3.17 | 5.14 | 4.70 | 3.77 | 4.09 | 4.08 | 2.69 | 2.12 | 1.14 | 34.99 |

OSANATOMIE, MIAMI COUNTY. — Elevation, 861 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 1944 | — | — | — | — | — | — | 2.23 | 9.00 | 1.74 | 2.05 | 2.23 | *4.00 | — |
| 1945 | 0.50 | 1.37 | 4.59 | 7.48 | 7.61 | 6.95 | 5.67 | 1.67 | 7.10 | 0.76 | 0.20 | 1.24 | 45.14 |
| 1946 | 3.33 | 1.30 | 2.70 | 5.21 | 4.49 | 3.37 | 1.97 | 5.10 | 4.17 | 4.72 | 1.36 | 1.96 | 39.68 |
| Normal | 1.30 | 1.38 | 2.30 | 3.40 | 4.85 | 4.90 | 3.56 | 4.10 | 4.20 | 2.98 | 2.30 | 1.30 | 36.57 |

OSWEGO, LABETTE COUNTY. — Elevation, 899 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|-------|-------|------|------|-------|-------|------|------|-------|
| 1931 | 0.96 | 1.91 | 2.45 | 2.50 | 4.20 | 1.95 | 4.08 | 4.44 | 0.50 | 2.31 | 6.72 | 0.56 | 32.58 |
| 1932 | 2.96 | 1.04 | 0.35 | 2.97 | 0.98 | 6.09 | 4.61 | 0.08 | 2.17 | 2.89 | 1.47 | 4.60 | 30.21 |
| 1933 | 2.02 | 1.01 | 1.82 | 4.37 | 7.86 | 0.80 | 4.51 | 5.02 | 2.63 | 2.45 | 1.10 | 2.04 | 35.63 |
| 1934 | 1.12 | 1.24 | 1.42 | 3.49 | 2.13 | 1.05 | 1.04 | 3.08 | 15.61 | 2.13 | 4.67 | 0.91 | 37.89 |
| 1935 | 2.29 | 1.64 | 2.76 | 2.04 | 10.13 | 12.12 | 0.12 | 4.44 | 3.44 | 4.11 | 3.53 | 1.12 | 47.74 |
| 1936 | 0.59 | 0.84 | 0.85 | 2.73 | 3.03 | 1.45 | 2.70 | 0.34 | 9.21 | 2.99 | 2.60 | 2.38 | 30.21 |
| 1937 | 4.03 | 0.67 | 2.27 | 2.88 | 4.21 | 5.79 | 7.27 | 0.85 | 4.36 | 1.49 | 1.45 | 1.17 | 36.44 |
| 1938 | 2.73 | 2.67 | 4.71 | 2.49 | 6.16 | 9.12 | 1.48 | 4.15 | 1.35 | 0.50 | 2.37 | 0.82 | 38.55 |
| 1939 | 2.09 | 1.55 | 2.78 | 1.93 | 10.19 | 8.89 | 3.38 | 2.19 | 0.48 | 1.72 | 1.60 | 1.53 | 38.33 |
| 1940 | 0.82 | 1.96 | 1.71 | 5.04 | 2.53 | 4.46 | 4.90 | 4.69 | 2.03 | 1.36 | 4.49 | 1.40 | 35.39 |
| 1941 | 3.05 | 1.21 | 0.68 | 9.61 | 2.99 | 7.91 | 2.51 | 4.84 | 7.38 | 11.73 | 2.08 | 1.82 | 55.81 |
| 1942 | 1.34 | 1.23 | 1.02 | 6.48 | 1.76 | 9.67 | 4.86 | 1.86 | 11.01 | 5.59 | 1.80 | 2.52 | 49.14 |
| 1943 | 0.25 | 1.01 | 3.31 | 2.62 | 21.47 | 6.21 | 0.70 | 1.31 | 5.39 | 4.44 | 0.03 | 2.59 | 49.33 |
| 1944 | 0.78 | 2.95 | 3.98 | 5.40 | 4.05 | 6.23 | 3.37 | 6.20 | 5.57 | 3.42 | 1.96 | 1.85 | 45.76 |
| 1945 | 0.93 | 2.32 | 5.94 | 8.89 | 4.20 | 4.64 | 3.35 | 2.83 | 10.91 | 3.27 | 0.46 | 0.99 | 48.73 |
| 1946 | 4.98 | 2.16 | 1.52 | 2.96 | 4.31 | 1.35 | 0.90 | 3.21 | 1.54 | 2.23 | 8.72 | 1.29 | 35.17 |
| Normal | 1.77 | 1.70 | 2.80 | 4.50 | 4.75 | 5.88 | 3.70 | 3.40 | 4.24 | 3.43 | 2.44 | 1.67 | 40.28 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

OTTAWA, FRANKLIN COUNTY. — Elevation, 891 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|-------|------|------|------|-------|------|------|--------|
| 1931 | 1.51 | 1.67 | 2.16 | 3.27 | 3.98 | 5.59 | 3.62 | 2.82 | 4.39 | 1.41 | 9.93 | 0.88 | 41.23 |
| 1932 | 1.25 | 0.80 | 2.26 | 2.75 | 4.18 | 7.11 | 4.19 | 3.05 | 2.41 | 1.48 | 0.94 | 2.57 | 32.99 |
| 1933 | 0.54 | 0.47 | 2.84 | 3.09 | 7.81 | 0.28 | 3.76 | 7.14 | 3.51 | 2.68 | 0.36 | 1.77 | 34.25 |
| 1934 | 0.51 | 0.88 | 0.71 | 1.22 | 4.49 | 2.52 | 1.92 | 0.91 | 9.58 | 1.89 | 5.86 | 0.71 | 31.20 |
| 1935 | 0.93 | 1.07 | 0.81 | 2.67 | 9.10 | 6.05 | 1.68 | 5.50 | 2.80 | 4.36 | 4.23 | 0.56 | 39.76 |
| 1936 | 1.34 | 0.21 | 0.24 | 1.50 | 6.74 | 0.26 | T | 0.77 | 7.34 | 1.60 | 0.07 | 2.54 | 22.61 |
| 1937 | 2.65 | 0.94 | 2.90 | 1.34 | 3.24 | 3.06 | 1.66 | 1.51 | 1.77 | 1.53 | 1.47 | 1.31 | 23.38 |
| 1938 | 1.13 | 1.53 | 4.17 | 1.84 | 10.33 | 7.37 | 2.77 | 2.35 | 4.72 | 0.30 | 2.58 | 0.29 | 39.38 |
| 1939 | 1.36 | 1.39 | 1.20 | 2.84 | 2.06 | 4.77 | 2.26 | 4.66 | 0.20 | 0.83 | 1.25 | 0.68 | 23.50 |
| 1940 | 1.27 | 0.84 | 2.57 | 4.65 | 6.16 | 4.48 | 0.21 | 5.40 | 2.56 | 2.46 | 4.44 | 1.13 | 36.17 |
| 1941 | 5.39 | 0.31 | 0.73 | 4.19 | 4.38 | 4.32 | 3.88 | 6.24 | 5.15 | 10.95 | 1.08 | 1.66 | 48.28 |
| 1942 | 0.35 | 2.05 | 1.32 | 3.92 | 3.92 | 4.08 | 1.78 | 8.26 | 6.75 | 2.58 | 2.36 | 3.05 | 40.42 |
| 1943 | 0.42 | 0.92 | 1.66 | 2.12 | 7.58 | 10.09 | 1.89 | 2.87 | 4.62 | 3.01 | 0.17 | 2.35 | 37.70 |
| 1944 | 0.74 | 1.61 | 3.54 | 10.35 | 3.73 | 5.08 | 3.12 | 6.52 | 1.99 | 3.17 | 2.51 | 4.06 | 46.42 |
| 1945 | 0.72 | 1.04 | 5.32 | 9.30 | 7.02 | 8.31 | 5.65 | 1.07 | 7.03 | 1.71 | 0.32 | 1.38 | 48.87 |
| 1946 | 3.09 | 1.06 | 3.01 | 4.31 | 5.42 | 2.87 | 1.35 | 7.27 | 3.40 | 6.98 | 1.18 | 1.58 | 41.52 |
| Normal | 1.25 | 1.34 | 2.20 | 3.11 | 4.96 | 4.81 | 3.56 | 4.01 | 4.35 | 2.92 | 2.10 | 1.24 | 35.85 |

OVERBROOK, OSAGE COUNTY. — Elevation, 1,100 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|------|------|-------|------|--------|
| 1931 | 0.64 | 1.57 | 1.79 | 3.09 | 4.45 | 2.72 | 3.20 | 2.65 | 4.78 | 2.22 | 10.37 | 0.84 | 38.32 |
| 1932 | 1.11 | 0.67 | 1.47 | 3.25 | 2.64 | 6.30 | 6.89 | 4.75 | 2.54 | 1.37 | 0.47 | 1.61 | 33.07 |
| 1933 | 0.16 | 0.51 | 3.08 | 2.53 | 6.19 | 0.18 | 2.33 | 7.25 | 1.90 | 0.66 | 1.02 | 0.97 | 26.78 |
| 1934 | 0.54 | 1.32 | 0.76 | 2.11 | 5.47 | 1.78 | 2.49 | 0.88 | 4.82 | 1.45 | 4.78 | 0.59 | 26.99 |
| 1935 | 0.93 | 1.41 | 0.91 | 1.75 | 12.25 | 5.66 | 0.02 | 5.64 | 3.11 | 4.64 | 2.96 | 0.31 | 39.59 |
| 1936 | 1.34 | 0.29 | 0.22 | 1.48 | 3.52 | 0.30 | 0.16 | 1.20 | 6.79 | 1.39 | 0.12 | 1.50 | 18.31 |
| 1937 | 2.60 | 0.87 | 2.47 | 1.68 | 3.54 | 1.53 | 3.73 | 6.58 | 3.15 | 1.60 | 1.67 | 1.19 | 30.61 |
| 1938 | 0.95 | 1.14 | 2.24 | 2.78 | 7.14 | 4.57 | 2.67 | 2.59 | 4.21 | 0.54 | 2.46 | 0.22 | 31.51 |
| 1939 | 0.83 | 2.33 | 1.08 | 3.55 | 0.84 | 8.94 | 0.57 | 4.23 | 0.44 | 0.63 | 2.54 | 0.81 | 26.79 |
| 1940 | 1.34 | 1.08 | 1.77 | 4.50 | 5.47 | 2.04 | 0.31 | 5.60 | 3.39 | 1.45 | 3.45 | 1.67 | 32.07 |
| 1941 | 4.40 | 0.25 | 1.05 | 3.04 | 5.33 | 5.75 | 2.66 | 6.53 | 5.11 | 8.72 | 1.06 | 1.20 | 45.10 |
| 1942 | 0.43 | 1.94 | 0.77 | 4.02 | 4.52 | 5.40 | 0.98 | 3.72 | 8.36 | 2.26 | 2.05 | 2.78 | 37.23 |
| 1943 | 0.20 | 0.66 | 1.40 | 2.12 | 5.93 | 10.57 | 2.07 | 2.28 | 4.17 | 2.97 | 0.57 | 2.13 | 35.07 |
| 1944 | 0.40 | 1.73 | 4.69 | 9.48 | 1.85 | 4.89 | 2.84 | 6.75 | 3.15 | 3.17 | 3.72 | 4.37 | 45.94 |
| 1945 | 0.52 | 1.09 | 4.64 | 8.19 | 6.32 | 8.93 | 4.94 | 0.85 | 6.27 | 1.85 | 0.43 | 1.10 | 45.13 |
| 1946 | 2.03 | 0.82 | 2.66 | 3.60 | 5.48 | 5.18 | 0.59 | 7.14 | 4.10 | 1.82 | 1.57 | 1.01 | 36.00 |
| Normal | 1.00 | 1.20 | 2.00 | 3.16 | 4.90 | 4.65 | 3.60 | 4.00 | 4.15 | 2.70 | 2.08 | 1.15 | 34.59 |

OVERBROOK (NEAR), DOUGLAS COUNTY. — Elevation, 1,100 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|-------|------|------|-------|------|--------|
| 1931 | 0.95 | 2.88 | 1.27 | 3.80 | 3.62 | 2.35 | 2.89 | 1.60 | 2.94 | 1.48 | 10.33 | 0.79 | 34.90 |
| 1932 | 1.00 | 0.51 | 0.78 | 2.91 | 2.11 | 7.20 | 5.40 | 4.04 | 2.59 | 1.25 | 0.55 | 2.04 | 30.38 |
| 1933 | 0.32 | 0.48 | 3.00 | 3.53 | 10.60 | 0.30 | 3.62 | 4.77 | 3.32 | 0.63 | 0.75 | 1.21 | 32.53 |
| 1934 | 0.15 | 1.20 | 0.62 | 1.76 | 4.68 | 2.16 | 2.19 | 0.82 | 4.87 | 1.51 | 6.24 | 0.67 | 26.87 |
| 1935 | 1.12 | 1.21 | 1.22 | 2.09 | 12.55 | 6.57 | 0.34 | 4.07 | 2.84 | 4.32 | 3.86 | 0.46 | 40.65 |
| 1936 | 1.21 | 0.22 | 0.33 | 1.22 | 4.54 | 0.61 | 0.62 | 1.38 | 5.66 | 2.03 | 0.14 | 2.10 | 20.06 |
| 1937 | 2.82 | 0.73 | 2.46 | 1.90 | 2.30 | 2.43 | 2.91 | 3.21 | 0.87 | 1.79 | 1.58 | 1.33 | 24.33 |
| 1938 | 1.12 | 1.16 | 2.81 | 2.11 | 9.75 | 5.91 | 5.10 | 2.01 | 2.60 | 0.24 | 2.70 | 0.15 | 35.66 |
| 1939 | 0.90 | 1.35 | 1.28 | 4.38 | 0.78 | 8.29 | 0.34 | 6.07 | 0.38 | 0.80 | 2.13 | 0.76 | 27.46 |
| 1940 | 1.30 | 0.88 | 1.77 | 4.65 | 6.24 | 3.41 | 0.22 | 8.80 | 3.03 | 1.56 | 3.74 | 1.28 | 36.88 |
| 1941 | 4.27 | 0.22 | 1.18 | 3.80 | 3.63 | 5.54 | 1.50 | 5.12 | 5.55 | 9.17 | 1.12 | 2.04 | 43.14 |
| 1942 | 0.30 | 2.28 | 1.01 | 4.79 | 4.18 | 7.48 | 0.55 | 7.99 | 5.96 | 2.19 | 2.52 | 2.59 | 41.84 |
| 1943 | 0.26 | 0.66 | 1.19 | 1.69 | 6.81 | 9.19 | 2.21 | 4.46 | 4.97 | 2.48 | 0.7 | 2.25 | 36.44 |
| 1944 | 0.78 | 1.67 | 3.26 | 9.11 | 2.51 | 4.93 | 3.04 | 7.42 | 2.10 | 2.81 | 3.41 | 4.19 | 45.23 |
| 1945 | 0.66 | 0.89 | 5.16 | 9.76 | 5.80 | 8.94 | 4.62 | 0.93 | 5.82 | 1.74 | 0.47 | 1.33 | 46.02 |
| 1946 | 2.31 | 0.85 | 3.18 | 4.49 | 3.78 | 4.34 | 0.23 | 10.18 | 3.37 | 3.21 | 1.70 | 1.51 | 39.15 |
| Normal | 1.05 | 1.34 | 2.05 | 3.25 | 4.90 | 4.50 | 3.60 | 3.93 | 4.40 | 2.85 | 2.15 | 1.22 | 35.24 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

PAOLA, MIAMI COUNTY. — Elevation, 865 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|------|-------|------|------|--------|
| 1931 | 0.90 | 1.72 | 1.89 | 2.50 | 3.78 | 0.89 | 5.29 | 3.84 | 2.02 | 2.66 | 8.08 | 1.28 | 34.85 |
| 1932 | 1.38 | 0.77 | 1.22 | 2.19 | 1.88 | 6.55 | 3.05 | 3.95 | 1.89 | 1.28 | 1.12 | 2.52 | 27.80 |
| 1933 | 1.17 | 0.70 | 2.54 | 1.46 | 5.13 | 0.31 | 6.56 | 6.75 | 2.27 | 1.82 | 0.58 | 2.19 | 31.48 |
| 1934 | 0.75 | 0.83 | 0.81 | 1.70 | 4.53 | 1.60 | 1.92 | 0.44 | 6.07 | 1.51 | 7.00 | 1.04 | 28.20 |
| 1935 | 1.78 | 1.35 | 1.30 | 2.13 | 11.56 | 6.76 | 0.23 | 3.52 | 4.51 | 6.11 | 4.41 | 0.40 | 44.06 |
| 1936 | 1.18 | 1.68 | 0.33 | 1.60 | 5.29 | 0.33 | 0.09 | 1.30 | 6.95 | 1.35 | 0.18 | 2.92 | 23.20 |
| 1937 | 2.64 | 0.76 | 3.74 | 2.18 | 3.62 | 3.96 | 1.95 | 1.33 | 0.90 | 1.19 | 1.85 | 0.89 | 25.01 |
| 1938 | 1.71 | 1.92 | 4.51 | 2.90 | 9.24 | 8.12 | 1.60 | 1.03 | 6.29 | 0.23 | 2.57 | 0.28 | 40.40 |
| 1939 | 1.28 | 1.10 | 1.13 | 2.42 | 3.28 | 4.87 | 2.38 | 3.85 | 0.56 | 0.80 | 2.03 | 0.70 | 24.40 |
| 1940 | 1.14 | 0.95 | 2.64 | 6.03 | 2.75 | 5.33 | 2.40 | 7.79 | 2.70 | 1.54 | 3.60 | 1.48 | 38.35 |
| 1941 | 4.62 | 1.27 | 0.59 | 4.27 | 2.41 | 3.75 | 4.46 | 3.71 | 5.73 | 11.04 | 1.35 | 1.18 | 44.38 |
| 1942 | 0.29 | 1.74 | 2.64 | 5.63 | 3.10 | 5.37 | 4.01 | 6.28 | 6.01 | 2.93 | 2.81 | 3.33 | 44.14 |
| 1943 | 0.25 | 0.77 | 1.52 | 3.19 | 8.30 | 7.01 | 2.30 | 3.89 | 4.67 | 2.48 | 0.31 | 2.06 | 36.75 |
| 1944 | 0.80 | 2.02 | 4.24 | 7.65 | 3.50 | 7.36 | 1.88 | 7.23 | 1.73 | 2.66 | 1.85 | 3.35 | 44.27 |
| 1945 | 0.61 | 1.59 | 5.78 | 7.38 | 7.63 | 8.06 | 5.84 | 1.64 | 6.72 | 0.83 | 0.23 | 1.25 | 47.56 |
| 1946 | 3.30 | 1.10 | 2.27 | 6.12 | 4.69 | 4.58 | 1.49 | 7.72 | 4.55 | 5.03 | 1.32 | 2.27 | 44.44 |
| Normal | 1.34 | 1.40 | 2.38 | 3.58 | 4.80 | 5.01 | 3.56 | 4.16 | 4.12 | 3.09 | 2.49 | 1.34 | 37.27 |

PARSONS, LABETTE COUNTY. — Elevation, 898 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|-------|-------|------|------|--------|
| 1931 | 0.96 | 2.41 | 3.30 | 2.92 | 3.35 | 2.00 | 3.21 | 2.38 | 2.01 | 2.34 | 6.58 | 0.88 | 32.34 |
| 1932 | 3.11 | 1.21 | 0.50 | 4.21 | 2.35 | 6.70 | 4.04 | 1.38 | 3.17 | 2.48 | 1.06 | 4.13 | 34.34 |
| 1933 | 2.21 | 0.69 | 2.39 | 5.55 | 11.27 | 0.60 | 4.88 | 5.24 | 2.74 | 3.46 | 1.25 | 2.30 | 42.58 |
| 1934 | 1.05 | 1.21 | 1.52 | 4.14 | 2.45 | 2.11 | 1.56 | 1.97 | 12.72 | 2.99 | 3.96 | 0.76 | 36.44 |
| 1935 | 1.95 | 1.73 | 2.07 | 2.37 | 13.23 | 17.08 | 0.01 | 3.77 | 2.74 | 4.11 | 4.34 | 0.67 | 53.67 |
| 1936 | 0.61 | 0.53 | 0.25 | 1.85 | 3.97 | 3.92 | 0.27 | 0.62 | 10.72 | 3.68 | 3.17 | 1.65 | 31.24 |
| 1937 | 2.96 | 1.38 | 2.14 | 2.95 | 4.68 | 9.93 | 5.32 | 1.58 | 3.30 | 1.51 | 1.46 | 1.08 | 38.29 |
| 1938 | 1.81 | 1.76 | 2.98 | 2.43 | 11.80 | 8.64 | 3.16 | 6.73 | 3.32 | 0.36 | 2.34 | 0.76 | 46.09 |
| 1939 | 1.71 | 1.40 | 2.47 | 2.16 | 9.67 | 6.56 | 1.38 | 2.94 | 0.03 | 1.02 | 2.43 | 1.11 | 32.88 |
| 1940 | 0.98 | 1.73 | 2.00 | 4.29 | 2.71 | 4.54 | 2.08 | 5.89 | 1.81 | 1.38 | 4.26 | 1.17 | 32.84 |
| 1941 | 4.07 | 1.02 | 0.56 | 6.19 | 0.95 | 7.03 | 3.95 | 3.92 | 9.31 | 13.77 | 1.80 | 1.35 | 53.92 |
| 1942 | 1.26 | 1.82 | 2.59 | 7.22 | 2.45 | 8.78 | 5.32 | 4.04 | 9.71 | 3.75 | 1.58 | 2.86 | 51.38 |
| 1943 | 0.13 | 0.96 | 2.74 | 1.64 | 18.19 | 11.95 | 1.54 | 0.41 | 7.48 | 5.19 | T | 2.12 | 52.35 |
| 1944 | 0.80 | 2.27 | 3.59 | 8.00 | 4.21 | 4.24 | 3.85 | 9.06 | 5.49 | 3.53 | 2.80 | 2.12 | 49.96 |
| 1945 | 0.90 | 1.68 | 5.38 | 6.68 | 5.64 | 5.09 | 4.01 | 4.39 | 15.11 | 2.11 | 0.48 | 1.19 | 52.66 |
| 1946 | 4.22 | 2.21 | 1.99 | 2.76 | 2.84 | 1.97 | 0.72 | 2.24 | 1.50 | 2.81 | 6.27 | 0.35 | 29.88 |
| Normal | 1.60 | 1.65 | 2.60 | 4.49 | 5.34 | 5.60 | 3.65 | 3.50 | 4.40 | 3.40 | 2.40 | 1.59 | 40.22 |

PITTSBURG, CRAWFORD COUNTY. — Elevation, 934 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|-------|------|-------|-------|-------|------|------|--------|
| 1931 | 0.32 | 2.74 | 2.42 | 2.93 | 5.03 | 1.45 | 5.66 | 1.32 | 0.84 | 2.98 | 4.64 | 0.35 | 30.68 |
| 1932 | 2.33 | 0.70 | 1.19 | 2.39 | 1.56 | 8.17 | 4.48 | 1.54 | 2.07 | 2.86 | 1.40 | 4.66 | 33.35 |
| 1933 | 2.85 | 0.52 | 1.46 | 4.43 | 6.47 | 0.70 | 4.45 | 4.75 | 5.14 | 3.41 | 1.44 | 1.94 | 37.56 |
| 1934 | 0.99 | 1.02 | 1.28 | 2.85 | 1.75 | 2.88 | 1.48 | 1.42 | 11.26 | 3.02 | 7.11 | 0.79 | 35.85 |
| 1935 | 2.23 | 1.49 | 2.84 | 2.65 | 6.93 | 13.77 | 0.26 | 5.06 | 4.02 | 6.38 | 2.31 | 0.95 | 48.89 |
| 1936 | 0.80 | 1.41 | 1.02 | 2.92 | 4.05 | 4.54 | 2.80 | 0.82 | 8.86 | 4.50 | 4.10 | 1.82 | 37.64 |
| 1937 | 5.33 | 1.42 | 2.48 | 4.08 | 3.87 | 6.94 | 4.05 | *1.33 | *4.20 | 1.71 | 0.78 | 1.06 | 37.25 |
| 1938 | 2.35 | 2.69 | 5.00 | 3.30 | 9.17 | 10.03 | 1.48 | 2.55 | 2.50 | 2.09 | 2.16 | 0.18 | 41.70 |
| 1939 | 4.33 | 2.00 | 2.56 | 2.33 | 9.01 | 2.95 | 2.95 | *2.54 | 0.21 | 1.94 | 2.87 | 0.58 | 34.27 |
| 1940 | 0.84 | 0.87 | 1.13 | 5.36 | 2.34 | 6.65 | 1.06 | 5.66 | 0.95 | 1.57 | 3.28 | 2.21 | 31.92 |
| 1941 | 4.40 | 0.82 | 0.31 | 9.81 | 1.99 | 7.59 | 3.80 | 5.39 | 9.54 | 15.29 | 2.61 | 1.56 | 63.11 |
| 1942 | 1.47 | 1.64 | 0.96 | 7.91 | 3.69 | 7.34 | 4.17 | 4.92 | 5.79 | 2.88 | 2.54 | 3.50 | 46.81 |
| 1943 | 0.15 | 1.07 | 4.09 | 3.76 | 17.40 | 7.35 | 1.15 | 0.83 | 6.18 | 3.47 | 0.12 | 2.25 | 47.82 |
| 1944 | 0.79 | 2.83 | 4.68 | 6.14 | 4.42 | 8.22 | 2.70 | 8.86 | 2.99 | 2.20 | 2.45 | 1.72 | 48.00 |
| 1945 | 1.34 | 1.44 | 6.01 | 10.38 | 6.08 | 7.72 | 2.36 | 3.59 | 10.83 | 2.69 | 0.64 | 0.86 | 53.94 |
| 1946 | 2.00 | 2.34 | 1.19 | 1.77 | 4.05 | 1.72 | 0.38 | 2.77 | 1.75 | 2.98 | 8.87 | 1.41 | 31.23 |
| Normal | 1.99 | 1.45 | 2.78 | 4.50 | 5.06 | 5.69 | 3.80 | 3.80 | 4.45 | 3.74 | 2.48 | 1.71 | 41.45 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

PLEASANTON, LINN COUNTY. — Elevation, 862 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|-------|-------|-------|------|------|--------|
| 1931 | 0.80 | 1.53 | 2.30 | 3.38 | 3.57 | 2.07 | 2.73 | 1.91 | 1.71 | 3.05 | 9.20 | 0.52 | 32.77 |
| 1932 | 1.61 | 1.14 | 0.68 | 2.77 | 3.82 | 5.95 | 3.94 | 2.00 | 1.43 | 2.74 | 1.40 | 3.42 | 30.90 |
| 1933 | 1.17 | 1.43 | 2.28 | 2.35 | 5.51 | 0.35 | 6.06 | 3.36 | 3.43 | 5.88 | 0.46 | 2.29 | 34.57 |
| 1934 | 1.16 | 1.15 | 1.74 | 2.33 | 3.34 | 2.52 | 3.29 | 0.27 | 7.00 | 2.31 | 6.34 | 0.99 | 32.44 |
| 1935 | 2.21 | 1.36 | 1.14 | 2.89 | 8.44 | 5.92 | 0.43 | 3.68 | 3.73 | 5.60 | 6.57 | 0.37 | 42.34 |
| 1936 | 0.87 | 0.39 | 0.90 | 0.91 | 3.12 | 0.99 | 0.04 | 1.39 | 7.90 | 4.15 | 0.74 | 1.62 | 23.02 |
| 1937 | 2.48 | 1.54 | 4.15 | 2.80 | 7.66 | 5.17 | 2.62 | 2.15 | 1.54 | 1.18 | 1.85 | 0.93 | 34.07 |
| 1938 | 2.02 | 2.03 | 3.64 | 4.52 | 10.07 | 5.46 | 1.76 | 1.57 | 1.48 | 0.83 | 2.39 | 0.40 | 36.17 |
| 1939 | 1.52 | 0.73 | 1.53 | 3.20 | 3.66 | 3.55 | 0.56 | 3.55 | 0.71 | 1.10 | 2.16 | 1.01 | 23.28 |
| 1940 | 1.13 | 1.75 | 3.53 | 7.33 | 3.73 | 5.82 | 3.60 | 6.57 | 2.32 | 1.57 | 2.20 | 1.66 | 41.21 |
| 1941 | 4.30 | 0.38 | 0.51 | 4.39 | 2.20 | 5.56 | 1.35 | 3.36 | 11.25 | 10.32 | 1.81 | 1.17 | 46.60 |
| 1942 | 0.54 | 0.95 | 1.80 | 4.97 | 3.49 | 11.25 | 5.13 | 3.53 | 8.77 | 2.48 | 1.84 | 2.41 | 47.16 |
| 1943 | 0.39 | 0.87 | 1.38 | 1.80 | 13.03 | 9.17 | 1.66 | 3.42 | 3.25 | 5.38 | 0.19 | 2.40 | 42.94 |
| 1944 | 0.43 | 2.71 | 5.23 | 7.04 | 4.20 | 5.37 | 2.85 | 12.75 | 5.33 | 2.61 | 2.54 | 2.33 | 53.39 |
| 1945 | 0.41 | 1.24 | 3.17 | 9.12 | 5.40 | 6.86 | 6.67 | 6.59 | 9.86 | 0.78 | 0.40 | 0.88 | 51.38 |
| 1946 | 4.00 | 1.24 | 1.86 | 4.23 | 3.97 | 2.56 | 1.49 | 5.21 | 2.60 | 3.70 | 3.44 | 1.01 | 35.31 |
| Normal | 1.59 | 1.49 | 2.70 | 3.92 | 4.77 | 5.10 | 3.60 | 3.78 | 4.65 | 3.51 | 2.51 | 1.51 | 39.13 |

POMONA (NEAR), FRANKLIN COUNTY. — Elevation, 1,000 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|-------|-------|-------|-------|--------|
| 1931 | 0.72 | 1.98 | 1.53 | 2.06 | 3.35 | 2.64 | 1.49 | 2.35 | 3.34 | 1.97 | 10.35 | 0.54 | 32.32 |
| 1932 | 0.93 | 0.39 | 0.85 | 2.12 | 2.86 | 6.12 | 4.81 | 3.68 | 2.20 | 1.14 | 0.45 | 1.65 | 27.20 |
| 1933 | 0.17 | 0.41 | 2.23 | 2.14 | 5.98 | 0.47 | 2.16 | 5.25 | 2.14 | 1.00 | 0.72 | 1.05 | 23.72 |
| 1934 | 0.35 | 0.77 | 0.53 | 1.85 | 4.11 | 1.90 | 1.71 | 0.89 | 5.29 | 1.46 | 3.33 | 0.56 | 22.75 |
| 1935 | 0.80 | 0.98 | 0.69 | 1.63 | 11.81 | 4.83 | 0.05 | 6.78 | 2.08 | 4.42 | 2.88 | 0.28 | 37.23 |
| 1936 | 1.07 | 0.23 | 0.22 | 1.20 | 4.54 | 0.21 | 0.47 | 0.56 | *4.08 | 1.16 | 0.00 | 2.19 | 15.93 |
| 1937 | 2.93 | 0.59 | 2.89 | 1.59 | 4.27 | 1.29 | 2.01 | 1.72 | 0.87 | 2.16 | 1.81 | 1.30 | 23.43 |
| 1938 | 0.88 | 1.22 | 2.70 | 1.93 | 8.18 | 4.26 | 2.35 | 2.47 | 2.04 | 0.10 | 2.57 | 0.14 | 28.84 |
| 1939 | 0.80 | 1.12 | 1.48 | 2.93 | 2.43 | 5.90 | 1.14 | 4.94 | 0.31 | 0.64 | 1.31 | 0.73 | 23.73 |
| 1940 | 1.14 | 0.77 | 1.57 | 4.64 | 6.91 | 2.69 | 0.52 | 5.39 | 3.43 | *2.75 | *4.25 | 1.57 | 35.63 |
| 1941 | 4.32 | 0.17 | 1.24 | 4.21 | 5.99 | 4.70 | 4.69 | 8.23 | 5.88 | 10.03 | 1.01 | 1.38 | 51.85 |
| 1942 | 0.04 | 2.66 | 1.17 | 4.79 | 3.89 | 6.23 | 1.06 | 2.94 | 9.67 | 2.07 | 2.65 | *2.78 | 39.95 |
| 1943 | 0.09 | 0.65 | 1.03 | 2.11 | 6.63 | 10.83 | 1.87 | 2.59 | 4.28 | 2.72 | 0.23 | 1.97 | 35.00 |
| 1944 | 0.42 | 1.38 | 2.84 | 8.68 | 3.22 | 4.61 | 3.42 | 6.91 | 2.47 | 2.75 | 3.15 | 3.87 | 43.72 |
| 1945 | 0.51 | 0.86 | 5.57 | 6.66 | 6.69 | 8.31 | 5.00 | 1.54 | 5.69 | 1.96 | 0.38 | 1.27 | 47.14 |
| 1946 | 2.16 | 0.67 | 2.68 | 3.34 | 5.52 | 3.45 | 0.54 | 7.60 | 4.41 | 3.98 | 1.64 | 1.47 | 37.46 |
| Normal | 1.54 | 1.25 | 2.10 | 3.12 | 4.90 | 4.60 | 3.50 | 4.02 | 4.26 | 2.80 | 2.10 | 1.23 | 35.42 |

QUENEMO, OSAGE COUNTY. — Elevation, 941 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|------|-------|-------|------|------|-------|------|-------|------|------|--------|
| 1931 | 0.79 | 1.69 | 2.00 | 3.58 | 3.67 | 3.20 | 1.97 | 1.46 | 3.58 | 1.79 | 9.78 | 0.65 | 34.16 |
| 1932 | 1.28 | 0.83 | 1.82 | 3.38 | 2.81 | 6.55 | 5.66 | 3.19 | 2.55 | 1.77 | 0.50 | 2.50 | 32.84 |
| 1933 | 0.25 | 0.45 | 3.02 | 2.76 | 6.50 | 0.12 | 1.88 | 5.56 | 3.63 | 1.22 | 1.00 | 1.45 | 27.84 |
| 1934 | 0.23 | 0.47 | 1.08 | 2.55 | 4.82 | 1.87 | 2.30 | 0.67 | 8.85 | 1.60 | 6.55 | 0.58 | 31.57 |
| 1935 | 0.75 | 0.75 | 1.15 | 2.00 | 10.70 | 5.15 | 0.20 | 6.55 | 2.52 | 4.50 | 4.80 | 0.45 | 39.52 |
| 1936 | 1.25 | *0.22 | 0.10 | 1.25 | 4.92 | 0.20 | 0.15 | 1.01 | 5.87 | 2.40 | 0.00 | 2.35 | 19.72 |
| 1937 | 2.57 | 0.73 | 2.52 | 1.84 | 4.93 | 2.10 | 4.13 | 2.00 | 1.02 | 1.90 | 1.82 | 1.48 | 27.04 |
| 1938 | 1.03 | 1.25 | 2.87 | 1.92 | 9.03 | 8.20 | 2.15 | *2.50 | 2.54 | 0.12 | 3.10 | 0.25 | 34.96 |
| 1939 | 1.12 | 1.30 | 1.95 | 2.57 | 4.42 | 5.28 | 0.90 | 5.15 | 0.35 | 0.65 | 1.52 | 0.65 | 25.86 |
| 1940 | 1.13 | 0.84 | 2.70 | 5.17 | 5.95 | 4.22 | 0.10 | 4.68 | 3.78 | 2.80 | 4.00 | 1.61 | 36.98 |
| 1941 | 6.07 | 0.27 | 1.05 | 4.00 | 4.72 | 6.00 | 4.85 | 7.08 | 4.55 | 11.00 | 1.65 | 1.40 | 52.64 |
| 1942 | 0.45 | 1.95 | 0.99 | 6.57 | 4.41 | 5.93 | 1.57 | 5.63 | 8.97 | 2.37 | 2.21 | 2.54 | 43.59 |
| 1943 | 0.20 | 0.75 | 1.31 | 2.40 | 6.72 | 9.98 | 1.49 | 2.32 | 4.20 | 2.43 | 0.26 | 2.38 | 34.44 |
| 1944 | 0.42 | 1.52 | 3.01 | 8.92 | 2.72 | 5.11 | 3.01 | 9.00 | 2.15 | 3.00 | 2.81 | 3.81 | 45.48 |
| 1945 | 0.58 | 0.60 | 6.53 | 10.61 | 6.90 | 6.38 | 5.70 | 2.04 | 6.50 | 1.19 | 0.45 | 0.90 | 48.38 |
| 1946 | 2.39 | 0.72 | 2.54 | 3.58 | 6.17 | 4.11 | 0.87 | 6.21 | 4.64 | 4.66 | 1.78 | 1.19 | 38.86 |
| Normal | 1.22 | 1.22 | 2.18 | 3.24 | 4.99 | 4.70 | 3.40 | 4.04 | 4.18 | 2.75 | 2.11 | 1.23 | 35.26 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

RANDOLPH, RILEY COUNTY. — Elevation, 1,052 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|-------|------|-------|------|------|--------|
| 1931 | 0.10 | 0.69 | 1.42 | 2.94 | 2.46 | 0.93 | 4.85 | 6.78 | 4.96 | 1.78 | 3.22 | 0.71 | 30.84 |
| 1932 | 1.25 | 0.46 | 0.82 | 2.82 | 4.61 | 5.16 | 3.49 | 5.82 | 2.58 | 0.70 | 0.43 | 1.14 | 29.28 |
| 1933 | 0.10 | 0.18 | 1.88 | 2.06 | 3.25 | 1.89 | 3.77 | 4.93 | 5.65 | 0.42 | 0.30 | 0.57 | 25.00 |
| 1934 | 0.21 | 0.75 | 0.34 | 0.64 | 3.41 | 2.43 | 1.21 | 0.26 | 3.84 | 1.45 | 3.96 | 0.26 | 18.76 |
| 1935 | 0.12 | 0.72 | 0.49 | 0.63 | 0.58 | 5.54 | 1.44 | 7.05 | 7.29 | 3.29 | 2.67 | 0.32 | 36.14 |
| 1936 | 1.16 | 0.39 | 0.16 | 1.97 | 6.06 | 1.47 | 0.45 | 1.71 | 6.12 | 1.44 | 0.05 | 1.11 | 22.09 |
| 1937 | 1.70 | 1.18 | 3.13 | 0.35 | 2.11 | 2.81 | 4.64 | 2.69 | 1.57 | 1.71 | 0.55 | 0.16 | 22.60 |
| 1938 | 0.33 | 0.70 | 1.78 | 2.61 | 10.57 | 4.74 | 6.61 | 4.60 | 1.54 | 0.40 | 2.34 | 0.18 | 36.40 |
| 1939 | 0.45 | 0.67 | 2.46 | 1.94 | 3.41 | 5.69 | 1.33 | 3.85 | 0.67 | 1.11 | 1.60 | 0.50 | 23.68 |
| 1940 | 0.51 | 1.42 | 0.45 | 2.05 | 1.63 | 2.03 | 1.48 | 6.64 | 1.10 | 1.60 | 2.03 | 1.08 | 22.02 |
| 1941 | 1.18 | 0.52 | 0.95 | 2.49 | 4.97 | 5.18 | 2.61 | 6.35 | 4.56 | 13.26 | 0.86 | 1.19 | 44.12 |
| 1942 | 0.27 | 1.12 | 1.65 | 1.54 | 5.84 | 6.82 | 1.64 | 4.97 | 8.54 | 4.00 | 0.63 | 1.94 | 38.96 |
| 1943 | 0.28 | 0.85 | 0.71 | 1.38 | 3.99 | 8.73 | 2.52 | 0.66 | 2.48 | 1.17 | 0.30 | 1.02 | 24.09 |
| 1944 | 0.71 | 0.82 | 3.66 | 6.13 | 4.43 | 2.51 | 7.67 | 13.50 | 2.11 | 1.27 | 2.57 | 2.00 | 47.38 |
| 1945 | 0.65 | 0.74 | 2.47 | 7.75 | 4.57 | 7.23 | 5.95 | 2.18 | 6.09 | 0.29 | 0.03 | 1.08 | 39.03 |
| 1946 | 0.93 | 0.15 | 3.02 | 1.19 | 1.63 | 3.72 | 3.73 | 5.54 | 7.13 | 3.63 | 1.56 | 0.03 | 32.26 |
| Normal | 0.65 | 1.00 | 1.41 | 2.59 | 3.97 | 4.50 | 3.25 | 3.84 | 3.56 | 2.26 | 1.67 | 0.80 | 29.50 |

READING, LYON COUNTY. — Elevation, 1,079 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|-------|------|-------|-------|-------|------|------|--------|
| 1931 | 0.55 | 1.47 | 1.72 | 3.54 | 8.12 | 1.30 | 1.96 | 2.53 | 3.51 | 2.04 | 8.04 | 0.66 | 35.44 |
| 1932 | 0.97 | 0.53 | 0.61 | 3.68 | 2.78 | 7.05 | 5.31 | 3.27 | 2.66 | 1.43 | 0.20 | 1.60 | 30.09 |
| 1933 | 0.05 | 0.28 | 2.42 | 3.38 | 7.42 | 0.65 | 4.15 | 4.02 | 7.04 | 0.53 | 0.85 | 1.55 | 32.34 |
| 1934 | 0.37 | 0.86 | 0.68 | 2.27 | 6.07 | 2.40 | 1.62 | 1.02 | 6.66 | 2.38 | 3.99 | 0.87 | 29.19 |
| 1935 | 0.82 | 0.78 | 0.70 | 1.39 | 11.04 | 6.25 | 0.60 | 5.69 | 4.37 | 6.09 | 3.13 | 0.21 | 41.07 |
| 1936 | 0.78 | 0.07 | 0.13 | 0.87 | 5.28 | 0.32 | 0.05 | 0.58 | 5.98 | 1.84 | 0.00 | 1.95 | 17.85 |
| 1937 | 2.78 | 0.63 | 2.31 | 1.82 | 6.27 | 1.71 | 2.35 | 3.36 | 3.41 | 1.22 | 1.31 | 0.94 | 28.11 |
| 1938 | 0.73 | 1.12 | 2.78 | 1.51 | 10.75 | 7.03 | 3.32 | 2.75 | 2.28 | 0.48 | 1.90 | 0.17 | 34.82 |
| 1939 | 0.65 | 1.83 | 1.73 | 5.41 | 4.74 | 3.58 | 0.52 | 5.57 | 0.35 | 1.10 | 1.35 | 0.77 | 27.60 |
| 1940 | 1.23 | 0.85 | 1.46 | 4.61 | 4.04 | 1.56 | 0.43 | 5.39 | 4.15 | 2.02 | 4.28 | 1.33 | 31.35 |
| 1941 | 4.69 | 0.35 | 1.16 | 3.98 | 6.48 | 4.70 | 2.90 | 11.10 | 4.45 | 12.60 | 0.90 | 0.80 | 53.99 |
| 1942 | 0.30 | 1.90 | 0.65 | 3.50 | 3.50 | 7.35 | 1.35 | 5.85 | 4.95 | 2.21 | 1.35 | 3.10 | 36.01 |
| 1943 | 0.10 | 0.80 | 1.26 | 1.75 | 6.60 | 10.50 | 1.55 | 3.95 | 4.10 | 1.77 | 0.24 | 2.19 | 34.81 |
| 1944 | 0.75 | 1.37 | 3.13 | 10.24 | 1.19 | 4.39 | 4.53 | 5.57 | *2.28 | 3.73 | 3.60 | 5.83 | 46.61 |
| 1945 | 0.51 | 0.86 | 4.33 | 10.54 | 5.40 | 6.36 | 3.46 | 2.47 | 7.93 | 0.74 | 0.04 | 1.13 | 43.77 |
| 1946 | 2.34 | 1.02 | 2.28 | 2.42 | 3.18 | 4.16 | 1.85 | 5.20 | 4.49 | 3.25 | 1.41 | 0.61 | 32.21 |
| Normal | 0.96 | 1.17 | 1.90 | 3.00 | 5.10 | 4.70 | 3.40 | 4.00 | 4.00 | 2.70 | 2.15 | 1.01 | 34.09 |

SEDAN, CHAUTAUQUA COUNTY. — Elevation, 834 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|------|-------|------|-------|-------|-------|------|--------|
| 1931 | 0.13 | 2.57 | 3.24 | 1.38 | 4.33 | 2.88 | 2.83 | 3.46 | 1.12 | 2.16 | 11.19 | 0.63 | 35.92 |
| 1932 | 2.45 | 1.87 | 0.66 | 1.56 | 1.61 | 9.34 | 2.29 | 0.35 | 3.11 | 1.35 | 0.60 | 2.88 | 28.07 |
| 1933 | 0.69 | 0.84 | 2.88 | 3.47 | 7.96 | 0.79 | 5.19 | 8.16 | 2.50 | 3.22 | 1.73 | 2.58 | 40.01 |
| 1934 | 1.02 | 0.49 | 0.73 | 4.80 | 2.75 | 2.30 | 0.82 | 2.45 | 9.09 | 8.86 | 5.15 | 0.87 | 39.33 |
| 1935 | 1.69 | 1.55 | 2.80 | 0.99 | 8.02 | 9.30 | 0.44 | 3.30 | 2.39 | 6.84 | 5.89 | 1.46 | 44.67 |
| 1936 | 1.02 | 0.72 | † | 1.74 | 4.26 | 2.90 | 1.43 | 0.00 | 9.25 | 7.16 | 0.00 | 2.17 | 30.65 |
| 1937 | 1.92 | 0.82 | 2.28 | 3.09 | 3.74 | 5.22 | 12.40 | 0.94 | 6.27 | 2.55 | 1.99 | 1.51 | 42.73 |
| 1938 | 1.05 | 2.21 | 4.09 | 2.71 | 8.69 | 5.37 | 3.71 | 3.40 | 4.49 | 0.68 | 3.20 | 0.58 | 40.18 |
| 1939 | 2.03 | 1.26 | 2.95 | 1.94 | 6.48 | 5.71 | 1.18 | 2.67 | 0.00 | 0.66 | 1.84 | 0.91 | 27.63 |
| 1940 | 1.36 | 1.83 | 1.15 | 5.75 | 2.91 | 4.47 | 5.03 | 7.86 | 2.88 | 1.82 | 5.48 | 1.68 | 42.22 |
| 1941 | 1.59 | 1.84 | 0.72 | 5.21 | 3.29 | 8.34 | 1.26 | 4.83 | 7.35 | 11.29 | 1.54 | 0.89 | 48.15 |
| 1942 | 1.22 | 1.63 | 1.38 | 7.65 | 1.22 | 7.17 | 1.08 | 4.41 | 8.82 | 1.87 | 0.98 | 2.74 | 40.17 |
| 1943 | 0.08 | 1.17 | 1.90 | 0.95 | 15.30 | 2.94 | 2.81 | 2.16 | 3.23 | 3.72 | 0.04 | 2.58 | 36.88 |
| 1944 | 0.82 | 1.41 | 2.77 | 10.76 | 6.16 | 4.45 | 3.23 | 5.78 | 6.58 | 4.08 | 2.04 | 2.54 | 50.62 |
| 1945 | 1.12 | 1.33 | 4.40 | 5.05 | 1.49 | 6.15 | 7.19 | 2.17 | 13.93 | 0.55 | 0.05 | 0.85 | 44.28 |
| 1946 | 3.17 | 1.96 | 3.81 | 1.97 | 3.11 | 2.22 | 0.22 | 2.16 | 5.09 | 1.17 | 3.52 | 0.41 | 28.81 |
| Normal | 1.41 | 1.50 | 2.32 | 3.71 | 5.05 | 5.55 | 3.69 | 3.59 | 4.36 | 3.49 | 2.34 | 1.45 | 38.46 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

TONGANOXIE, LEAVENWORTH COUNTY. -- Elevation, 829 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|--------|
| 1931 | -- | -- | -- | -- | -- | -- | -- | -- | 3.99 | 3.65 | 10.48 | 0.68 | -- |
| 1932 | 0.76 | 0.68 | *1.50 | 2.53 | 1.87 | 3.28 | 3.68 | 4.70 | 1.76 | 1.48 | 0.56 | 1.96 | 24.76 |
| 1933 | 0.18 | 0.22 | 3.95 | 2.86 | 3.45 | 1.73 | 1.23 | *6.75 | 1.39 | 0.71 | 0.56 | 1.45 | 24.48 |
| 1934 | 0.31 | 0.71 | 0.39 | 2.25 | 3.55 | 1.07 | 1.88 | 1.80 | 6.15 | 2.42 | 4.75 | 0.29 | 25.57 |
| 1935 | 1.26 | 1.77 | 0.77 | 2.14 | 11.10 | 7.18 | 0.62 | 2.84 | 8.55 | 6.16 | 3.41 | 0.28 | 46.08 |
| 1936 | 1.21 | 0.27 | 0.20 | 3.04 | 4.70 | 0.80 | *1.21 | 0.61 | 6.86 | 1.33 | 0.17 | 2.06 | 22.46 |
| 1937 | 2.72 | 0.67 | 2.20 | 2.18 | 3.27 | 2.60 | 2.45 | 2.40 | 1.29 | 1.60 | 1.40 | 1.03 | 23.81 |
| 1938 | 1.25 | 0.73 | 2.28 | 1.93 | 8.30 | 3.89 | 3.25 | 5.54 | 1.04 | 0.41 | 2.29 | 0.57 | 31.48 |
| 1939 | 0.56 | 0.93 | 1.15 | 5.09 | 2.14 | 6.20 | 0.86 | 0.63 | 0.74 | 0.63 | 2.04 | *0.85 | 27.82 |
| 1940 | 0.83 | 0.92 | 1.62 | 4.93 | 4.76 | 13.35 | 0.66 | 0.83 | 3.20 | 1.71 | 3.55 | 1.61 | 45.97 |
| 1941 | 3.16 | 0.18 | 0.96 | 3.88 | 2.78 | 7.36 | 1.74 | 5.56 | 5.49 | 11.51 | 1.17 | 1.79 | 45.58 |
| 1942 | 0.20 | 2.66 | 1.01 | 2.49 | 4.60 | 8.31 | 0.94 | 6.96 | 4.53 | 2.59 | 1.97 | 1.79 | 38.05 |
| 1943 | 0.39 | 0.51 | *0.90 | *1.56 | 5.16 | 10.28 | 3.04 | 7.85 | 3.02 | 2.38 | 0.41 | 2.33 | 37.73 |
| 1944 | 1.00 | 1.10 | 3.96 | 7.29 | 4.82 | 4.13 | 2.42 | 6.62 | 2.25 | 1.23 | 4.70 | 4.84 | 44.36 |
| 1945 | 0.47 | 0.86 | 3.96 | 8.51 | 5.89 | 6.16 | 2.43 | 0.59 | 5.03 | 0.68 | 0.42 | 1.12 | 36.12 |
| 1946 | 2.65 | 0.66 | 3.68 | 3.53 | 3.16 | 6.88 | 1.06 | 3.89 | 4.06 | 2.10 | 1.28 | 1.60 | 34.55 |
| Normal | 1.09 | 1.30 | 2.00 | 3.15 | 4.85 | 4.50 | 3.50 | 4.10 | 4.50 | 2.75 | 2.12 | 1.12 | 34.98 |

TOPEKA, SHAWNEE COUNTY. -- Elevation, 926 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|-------|-------|------|------|------|-------|------|------|-------|
| 1931 | 0.55 | 1.34 | 1.94 | 2.49 | 2.03 | 2.85 | 3.41 | 6.48 | 4.59 | 2.55 | 7.07 | 1.48 | 36.78 |
| 1932 | 0.88 | 0.56 | 1.31 | 2.58 | 2.59 | 4.46 | 2.89 | 7.82 | 1.89 | 1.00 | 0.60 | 1.78 | 28.36 |
| 1933 | 0.17 | 0.49 | 2.01 | 3.82 | 2.55 | 2.25 | 2.47 | 3.50 | 2.30 | 0.61 | 0.58 | 1.49 | 22.24 |
| 1934 | 0.29 | 0.95 | 0.76 | 1.49 | 6.47 | 3.00 | 2.87 | 1.71 | 4.94 | 1.91 | 2.65 | 0.26 | 27.30 |
| 1935 | 0.85 | 1.09 | 0.32 | 2.09 | 11.08 | 5.05 | 0.03 | 3.98 | 5.45 | 4.38 | 2.57 | 0.42 | 37.31 |
| 1936 | 1.73 | 0.42 | 0.25 | 3.02 | 4.79 | 0.92 | 1.11 | 0.57 | 7.32 | 0.86 | 0.09 | 1.55 | 22.63 |
| 1937 | 1.82 | 0.61 | 2.05 | 1.76 | 3.12 | 1.14 | 1.65 | 3.35 | 0.43 | 1.40 | 1.34 | 0.76 | 19.43 |
| 1938 | 1.14 | 0.92 | 2.20 | 2.01 | 11.16 | 2.58 | 3.97 | 2.15 | 0.37 | 0.35 | 1.92 | 0.24 | 29.01 |
| 1939 | 0.70 | 1.52 | 1.27 | 3.72 | 1.33 | 5.63 | 1.26 | 3.51 | 0.40 | 0.83 | 1.42 | 0.74 | 22.33 |
| 1940 | 1.32 | 1.00 | 1.38 | 3.58 | 4.01 | 2.76 | 0.08 | 6.40 | 1.20 | 2.09 | 3.34 | 1.31 | 28.47 |
| 1941 | 3.79 | 0.33 | 1.43 | 3.32 | 3.78 | 5.45 | 1.38 | 7.79 | 3.81 | 10.65 | 0.65 | 2.07 | 44.45 |
| 1942 | 0.11 | 1.85 | 1.01 | 4.16 | 5.29 | 4.83 | 1.92 | 7.72 | 6.86 | 2.75 | 1.33 | 2.74 | 40.57 |
| 1943 | 0.15 | 0.64 | 0.68 | 1.40 | 4.93 | 11.46 | 4.29 | 2.10 | 4.00 | 2.43 | 0.44 | 1.78 | 34.30 |
| 1944 | 0.54 | 0.97 | 4.90 | 8.65 | 2.81 | 3.41 | 3.43 | 6.93 | 3.03 | 2.33 | 2.24 | 5.08 | 44.32 |
| 1945 | 0.44 | 1.27 | 4.31 | 8.58 | 6.68 | 5.32 | 2.75 | 0.87 | 6.20 | 0.46 | 0.16 | 1.31 | 38.35 |
| 1946 | 1.98 | 0.52 | 2.85 | 3.19 | 3.37 | 6.24 | 0.89 | 6.30 | 2.97 | 1.20 | 1.10 | 1.57 | 32.18 |
| Normal | 0.91 | 1.30 | 1.98 | 2.90 | 4.42 | 4.00 | 3.41 | 4.21 | 4.10 | 2.56 | 1.76 | 1.03 | 32.58 |

TOPEKA (2), SHAWNEE COUNTY. -- Elevation, 903 feet

| | | | | | | | | | | | | | |
|------|------|------|------|------|-------|------|------|------|------|-------|------|------|-------|
| 1934 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.94 | 2.93 | 0.22 | -- |
| 1935 | 0.90 | 1.44 | 0.37 | 1.92 | 10.07 | 5.45 | 0.18 | 3.77 | 5.85 | 3.86 | 2.79 | 0.32 | 36.92 |
| 1936 | 1.75 | 0.41 | 0.21 | 3.82 | 4.67 | 1.15 | 1.45 | 0.64 | 8.02 | 0.91 | 0.06 | 1.53 | 24.62 |
| 1937 | 1.80 | 0.68 | 2.02 | 1.91 | 1.87 | 1.15 | 1.34 | 3.61 | 1.13 | 1.67 | 1.35 | 0.98 | 19.41 |
| 1938 | 1.11 | 0.89 | 2.28 | 2.84 | 10.18 | 2.79 | 3.51 | 2.58 | 0.51 | 0.23 | 1.95 | 0.24 | 29.11 |
| 1939 | 0.69 | 1.60 | 1.10 | 3.60 | 2.03 | 6.03 | 1.25 | 3.41 | 0.52 | 1.27 | 1.63 | 0.80 | 23.93 |
| 1940 | 1.30 | 0.94 | 1.86 | 3.87 | 4.43 | 2.71 | 0.05 | 6.99 | 1.35 | 1.33 | 3.29 | 1.29 | 29.41 |
| 1941 | 3.51 | 0.27 | 1.28 | 3.81 | 2.93 | 5.95 | 1.97 | 7.42 | 4.11 | 10.01 | 0.68 | 1.88 | 43.92 |
| 1942 | 0.43 | 1.83 | 0.92 | 3.87 | 5.14 | 5.45 | 1.82 | 7.11 | 6.23 | 2.99 | 0.89 | 2.83 | 39.51 |
| 1943 | 0.21 | 0.61 | 0.99 | 1.22 | 5.29 | -- | -- | -- | -- | -- | -- | -- | -- |

Normals for all stations are computed for the 45-year period, 1896 through 1941.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

TORONTO, WOODSON COUNTY. — Elevation, 1,040 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|-------|------|------|------|--------|
| 1931 | 0.80 | 1.11 | 2.98 | 2.44 | 6.66 | 4.13 | 2.80 | 0.27 | 3.53 | 1.63 | 9.57 | 1.53 | 37.35 |
| 1932 | 0.93 | 1.56 | 1.10 | 3.12 | 3.69 | 4.97 | 4.49 | 0.88 | 3.69 | 1.42 | 0.54 | 1.74 | 28.13 |
| 1933 | 0.03 | 0.11 | 1.81 | 2.80 | 4.72 | 0.29 | 3.66 | 6.47 | 1.48 | 1.91 | 0.80 | 2.78 | 26.86 |
| 1934 | 0.61 | 1.36 | 0.66 | 1.52 | 5.38 | 3.26 | 1.76 | 1.42 | 7.96 | 1.74 | 4.22 | 1.29 | 31.18 |
| 1935 | 1.25 | 1.00 | 1.32 | 3.30 | 14.68 | 8.55 | 0.00 | 3.35 | 2.00 | 4.90 | 7.28 | 0.48 | 48.11 |
| 1936 | 1.23 | 0.91 | 0.04 | 0.58 | 5.92 | 2.39 | 0.31 | 0.50 | 5.98 | 2.72 | 0.00 | 3.16 | 23.74 |
| 1937 | 1.65 | 0.60 | 3.49 | 2.89 | 5.88 | 3.46 | 5.70 | 3.40 | 2.77 | 1.34 | 1.08 | 1.53 | 33.79 |
| 1938 | 0.88 | 2.18 | 4.24 | 1.57 | 12.57 | 2.77 | 2.05 | 1.86 | 3.16 | 1.04 | 3.22 | 0.31 | 35.85 |
| 1939 | 1.39 | 1.33 | 1.84 | 2.25 | 5.99 | 3.63 | 1.12 | 4.66 | T | 1.04 | 1.47 | 0.79 | 25.51 |
| 1940 | 1.24 | 1.45 | 2.65 | 7.72 | 5.26 | 2.20 | 0.48 | 4.65 | 4.91 | 1.13 | 4.55 | 2.34 | 38.58 |
| 1941 | 3.64 | 0.58 | 0.70 | 4.55 | 3.85 | 9.26 | 5.24 | 6.69 | 7.59 | 6.32 | 2.01 | 1.17 | 51.60 |
| 1942 | 1.44 | 2.02 | 1.67 | 5.63 | 3.16 | 5.27 | 3.09 | 6.22 | 9.42 | 2.81 | 1.48 | 2.61 | 44.82 |
| 1943 | 0.51 | 0.80 | 1.39 | 1.29 | 12.81 | 9.86 | 2.21 | 1.57 | 4.67 | 2.49 | 0.15 | 2.94 | 40.69 |
| 1944 | 0.32 | 1.98 | 3.41 | 9.06 | 3.74 | 2.81 | 3.29 | 6.09 | 4.07 | 2.57 | 2.25 | 3.53 | 43.12 |
| 1945 | 0.41 | 0.92 | 7.14 | 9.40 | 2.41 | 6.16 | 4.80 | 1.76 | 10.20 | 0.57 | 0.27 | 0.65 | 44.69 |
| 1946 | 2.70 | 1.61 | 2.85 | 6.13 | 2.75 | 2.65 | 0.59 | 2.77 | 3.39 | 2.39 | 3.17 | 1.15 | 32.35 |
| Normal | 1.38 | 1.50 | 2.08 | 3.78 | 5.32 | 4.71 | 3.65 | 3.49 | 4.44 | 2.95 | 2.30 | 1.42 | 37.02 |

VALLEY FALLS, JEFFERSON COUNTY. — Elevation, 913 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|-------|-------|-------|------|------|--------|
| 1931 | 0.44 | 0.63 | 1.76 | 3.31 | 3.66 | 3.09 | 4.53 | 12.77 | 7.61 | 2.39 | 8.09 | 2.40 | 50.68 |
| 1932 | 0.97 | 0.56 | 1.45 | 3.14 | 5.07 | 3.88 | 4.86 | 4.40 | 2.35 | 0.75 | 0.43 | 2.26 | 30.12 |
| 1933 | 0.43 | 0.57 | 2.64 | 2.30 | 3.22 | 1.74 | 0.90 | 3.34 | 3.74 | 0.68 | 0.20 | 1.73 | 21.49 |
| 1934 | 0.43 | 0.94 | 0.45 | 1.76 | 2.72 | 1.54 | 1.75 | 3.87 | 5.89 | 0.67 | 3.64 | 0.36 | 24.02 |
| 1935 | 0.80 | 1.10 | 0.36 | 2.01 | 12.90 | 7.25 | 0.84 | 4.45 | 4.10 | 5.76 | 2.20 | 0.33 | 42.10 |
| 1936 | 1.28 | 0.22 | 0.02 | 2.97 | 6.00 | 0.74 | 1.83 | 2.73 | 10.06 | 1.53 | T | 1.77 | 29.15 |
| 1937 | 1.85 | 0.82 | 1.98 | 1.74 | 3.47 | 4.21 | 3.44 | 2.46 | 2.28 | 1.18 | 1.29 | 0.92 | 25.64 |
| 1938 | 1.09 | 0.72 | 2.93 | 4.00 | 9.04 | 3.01 | 4.61 | 8.71 | 0.51 | 0.08 | 2.26 | 0.31 | 37.27 |
| 1939 | 0.69 | 1.67 | 3.54 | 4.21 | 1.44 | 6.12 | 1.02 | 5.46 | 0.62 | 1.06 | 2.26 | 0.63 | 28.72 |
| 1940 | 1.21 | 1.44 | 1.31 | 3.74 | 3.54 | 3.97 | 0.35 | 7.28 | 2.28 | 1.60 | 3.01 | 1.40 | 31.13 |
| 1941 | 2.69 | 0.52 | 1.22 | 4.56 | 1.87 | 6.97 | 1.54 | 6.72 | 4.22 | 13.85 | 1.05 | 1.64 | 46.85 |
| 1942 | 0.54 | 1.56 | 1.43 | 1.84 | 7.33 | 9.97 | 1.95 | 10.80 | 8.12 | 1.76 | 1.03 | 3.31 | 49.64 |
| 1943 | 0.18 | 0.59 | 0.77 | 1.30 | 4.88 | 10.24 | 5.03 | 4.11 | 3.07 | 1.59 | 0.63 | 2.03 | 34.42 |
| 1944 | 0.71 | 0.78 | 3.25 | 9.44 | 3.38 | 2.97 | 3.01 | 7.90 | 1.11 | 1.96 | 2.59 | 4.38 | 41.48 |
| 1945 | 0.45 | 1.27 | 4.22 | 6.68 | 5.44 | 8.29 | 2.42 | 0.88 | 5.87 | 1.10 | 0.58 | 1.62 | 38.82 |
| 1946 | 2.09 | 0.29 | 3.91 | 3.42 | 2.94 | 6.22 | 0.84 | 3.77 | 2.54 | 2.65 | 1.05 | 3.18 | 32.90 |
| Normal | 0.86 | 1.16 | 1.75 | 2.80 | 4.48 | 4.58 | 3.33 | 4.35 | 4.30 | 2.48 | 1.86 | 1.06 | 33.01 |

WAGSTAFF, MIAMI COUNTY. — Elevation, 975 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|-------|------|-------|-------|-------|------|------|------|--------|
| 1934 | — | — | — | — | — | — | — | — | 5.81 | 2.28 | 6.68 | 1.01 | — |
| 1935 | 1.80 | 1.38 | 1.15 | 1.92 | 13.57 | 7.26 | *0.50 | *3.40 | *5.00 | 5.11 | 4.39 | 0.45 | 45.93 |
| 1936 | 0.96 | 1.76 | 0.33 | 2.30 | 3.69 | 0.09 | T | 0.71 | 8.03 | 1.25 | 0.30 | 2.84 | 22.26 |
| 1937 | 3.08 | 1.06 | 2.96 | 1.83 | 3.53 | 5.70 | 1.18 | 0.82 | 0.65 | 1.72 | 1.67 | 0.82 | 25.02 |
| 1938 | 1.79 | 2.00 | 4.34 | 2.46 | 9.45 | 8.15 | 1.75 | 1.16 | 5.73 | 0.20 | 2.34 | 0.36 | 39.73 |
| 1939 | 1.29 | 1.25 | 1.24 | 3.17 | 2.88 | 6.00 | 2.28 | 5.19 | 1.00 | 0.96 | 2.51 | 0.66 | 28.43 |
| 1940 | 0.80 | 0.97 | 2.75 | 5.73 | 4.14 | 5.07 | 1.24 | 7.95 | 1.72 | 1.74 | 3.49 | 1.44 | 37.04 |
| 1941 | 3.98 | 1.24 | 0.56 | 4.74 | 2.18 | 3.30 | 3.57 | 4.02 | 4.85 | 9.97 | 1.06 | 0.71 | 40.18 |
| 1942 | 0.04 | 1.80 | 2.30 | 4.79 | 3.24 | 5.80 | 3.96 | 8.35 | 4.87 | 2.06 | 2.72 | 2.67 | 42.60 |
| 1943 | 0.22 | 0.62 | 1.39 | 2.49 | 7.09 | 7.85 | 4.17 | 4.90 | 3.96 | 2.64 | 0.30 | 1.71 | 37.34 |
| 1944 | 0.88 | 1.72 | 3.97 | *8.00 | 3.81 | 8.44 | 2.69 | 8.41 | 2.09 | 2.14 | 3.14 | 3.66 | 48.95 |
| 1945 | 0.52 | 1.34 | 6.53 | 8.31 | 8.75 | 9.31 | 4.87 | 0.99 | 7.97 | 0.99 | 0.49 | 1.40 | 51.47 |
| 1946 | 3.37 | 0.99 | 2.55 | 7.42 | 4.85 | 3.36 | 0.78 | 6.14 | *3.76 | 6.66 | 1.09 | 2.58 | 43.55 |
| Normal | 1.34 | 1.39 | 2.38 | 3.55 | 4.80 | 5.00 | 3.55 | 4.15 | 4.15 | 3.00 | 2.40 | 1.34 | 37.05 |

Normals for all stations are computed for the 45-year period, 1896 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

WALNUT, CRAWFORD COUNTY. — Elevation, 940 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|------|------|-------|-------|-------|-------|-------|-------|------|------|--------|
| 1931 | 0.55 | 2.35 | 2.60 | 3.01 | 4.79 | 2.18 | 3.44 | 4.34 | 1.32 | 3.37 | 6.24 | 1.07 | 35.26 |
| 1932 | 2.51 | 0.59 | 0.52 | 4.22 | 1.59 | 4.08 | 3.01 | 2.68 | 2.55 | 2.40 | 1.00 | 4.23 | 29.38 |
| 1933 | 1.75 | 0.73 | 1.93 | 5.01 | 7.56 | 0.06 | 3.60 | 3.17 | 4.94 | 2.54 | 0.96 | 1.23 | 33.48 |
| 1934 | 0.65 | 1.00 | 1.50 | 3.04 | 2.89 | 3.32 | 1.67 | 1.59 | 8.79 | 4.62 | 5.48 | 1.14 | 35.69 |
| 1935 | 2.05 | 1.38 | 2.06 | 4.46 | 13.32 | 10.23 | *0.30 | *5.00 | 2.71 | 6.28 | 5.22 | 0.55 | 53.56 |
| 1936 | 0.55 | 0.39 | 0.33 | 1.43 | 2.59 | 3.78 | 0.04 | 0.51 | 7.44 | 4.12 | 1.50 | 1.39 | 24.07 |
| 1937 | 2.06 | 1.19 | 2.42 | 2.34 | 5.71 | 6.79 | 4.11 | 1.33 | 4.37 | 1.33 | 1.12 | 0.66 | 33.43 |
| 1938 | 2.01 | 2.38 | 3.36 | 2.61 | 9.77 | 6.82 | 2.31 | 2.59 | 3.41 | 0.24 | 2.53 | 0.61 | 38.64 |
| 1939 | 1.27 | *1.80 | 2.54 | 3.24 | 5.95 | 6.11 | 1.34 | 4.97 | 0.10 | 0.89 | 2.08 | 0.84 | 31.13 |
| 1940 | 0.61 | 1.18 | 2.15 | 5.67 | 2.51 | 5.57 | 9.41 | 5.32 | 2.25 | 1.47 | 3.20 | 1.24 | 40.58 |
| 1941 | 3.56 | 0.85 | 0.55 | 9.17 | 0.72 | 7.08 | 2.10 | 4.51 | 9.65 | 12.14 | 2.29 | 1.49 | 54.11 |
| 1942 | 1.03 | 1.29 | 1.89 | 6.58 | 2.40 | 9.10 | 5.60 | 3.94 | 7.90 | 2.08 | 1.86 | 2.58 | 46.25 |
| 1943 | 0.12 | 0.87 | 2.35 | 1.55 | 14.76 | 6.41 | *1.81 | *1.58 | 5.34 | 4.42 | 0.05 | 1.40 | 40.66 |
| 1944 | 0.51 | 2.94 | 4.52 | 7.19 | 4.12 | 7.53 | 1.74 | 8.13 | 4.34 | 3.78 | 2.36 | 1.83 | 48.99 |
| 1945 | 0.66 | 1.19 | 4.61 | 5.34 | 3.79 | 5.81 | 3.54 | 4.21 | 13.10 | 1.16 | 0.50 | 0.83 | 44.74 |
| 1946 | 4.60 | 1.41 | 1.82 | 2.67 | 3.47 | 1.40 | 0.52 | 3.05 | 3.34 | 0.74 | 7.30 | 0.20 | 30.52 |
| Normal | 1.64 | 1.73 | 2.85 | 4.40 | 5.06 | 5.63 | 3.90 | 3.95 | 4.59 | 3.55 | 2.43 | 1.47 | 41.20 |

WAMEGO, POTTAWATOMIE COUNTY. — Elevation, 992 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|------|-------|------|------|------|------|------|------|-------|
| 1931 | 0.18 | 0.53 | 2.40 | 2.81 | 2.62 | 1.52 | 2.99 | 7.50 | 7.66 | 2.26 | 6.18 | 0.60 | 37.25 |
| 1932 | 1.14 | 0.68 | 0.45 | 2.55 | 3.73 | 5.17 | 3.92 | 3.98 | 4.94 | 0.55 | 0.36 | 1.56 | 29.03 |
| 1933 | 0.76 | 0.19 | 1.76 | 2.85 | 1.65 | 1.18 | 3.97 | 3.74 | 3.31 | 2.36 | 0.22 | 0.83 | 22.13 |
| 1934 | 0.36 | 0.99 | 0.42 | 0.97 | 4.65 | 2.82 | 0.61 | 0.86 | 4.79 | 1.62 | 5.27 | 0.19 | 23.55 |
| 1935 | 0.22 | 0.74 | 0.19 | 1.32 | 8.02 | 4.53 | 0.02 | 6.45 | 4.84 | 3.54 | 2.51 | 0.33 | 32.71 |
| 1936 | 0.90 | 0.23 | 0.11 | 1.72 | 7.24 | 0.89 | 1.15 | 2.21 | 7.63 | 1.70 | 0.13 | 1.32 | 25.23 |
| 1937 | 1.77 | 1.04 | 2.69 | 0.75 | 4.00 | 5.80 | 1.72 | 2.18 | 0.39 | 1.49 | 0.76 | 0.63 | 23.22 |
| 1938 | 0.41 | 0.67 | 2.76 | 1.62 | 9.81 | 2.51 | 5.04 | 4.41 | 0.97 | 0.00 | 3.06 | 0.10 | 31.36 |
| 1939 | 0.53 | 1.04 | 2.73 | 4.04 | 1.15 | 8.46 | 1.65 | 6.23 | 0.99 | 1.14 | 1.89 | 1.01 | 30.46 |
| 1940 | 0.69 | 1.01 | 0.79 | 2.02 | 2.96 | 3.04 | 1.50 | 5.49 | 0.82 | 1.66 | 2.12 | 0.96 | 23.06 |
| 1941 | 1.92 | 0.19 | 0.97 | 2.02 | 3.29 | 5.46 | 2.13 | 4.44 | 4.65 | 8.81 | 1.36 | 2.12 | 37.36 |
| 1942 | 0.60 | 1.29 | 1.03 | 2.34 | 7.39 | 11.27 | 1.23 | 6.52 | 6.66 | 2.58 | 0.68 | 2.66 | 44.25 |
| 1943 | 0.22 | 0.88 | 1.20 | 0.89 | 3.47 | 8.85 | 7.34 | 1.15 | 3.15 | 2.24 | 0.39 | 2.20 | 32.28 |
| 1944 | 0.44 | 0.82 | 4.32 | 10.15 | 1.75 | 2.48 | 5.47 | 9.83 | 1.60 | 1.20 | 2.67 | 3.86 | 44.59 |
| 1945 | 0.72 | 1.29 | 2.43 | 5.19 | 5.56 | 7.38 | 6.33 | 2.83 | 4.55 | 0.55 | 0.29 | 0.99 | 38.11 |
| 1946 | 1.20 | 0.33 | 2.75 | 1.79 | 2.45 | 4.79 | 0.84 | 8.29 | 4.13 | 2.83 | 1.06 | 1.07 | 31.53 |
| Normal | 0.78 | 1.16 | 1.54 | 2.89 | 4.63 | 4.79 | 3.84 | 4.09 | 3.99 | 2.43 | 1.85 | 0.95 | 32.94 |

WESTMORELAND, POTTAWATOMIE COUNTY. — Elevation, 1,250 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|-------|------|-------|------|------|------|------|-------|
| 1942 | — | — | — | — | — | — | — | — | — | 2.67 | 1.05 | 2.28 | — |
| 1943 | 0.21 | 1.19 | 1.07 | 1.01 | 4.79 | 10.78 | 2.48 | *1.45 | 2.68 | 2.02 | 0.48 | 1.64 | 29.80 |
| 1944 | 0.38 | 0.69 | 4.51 | 7.21 | 2.73 | 2.68 | 5.28 | 11.53 | 1.39 | 1.22 | 2.65 | 3.10 | 43.37 |
| 1945 | 0.44 | 1.11 | 2.56 | 6.59 | 5.27 | 11.00 | 3.82 | 2.53 | 5.80 | 0.87 | 0.18 | 1.01 | 41.18 |
| 1946 | 0.99 | 0.36 | 3.38 | 2.44 | 2.07 | 3.40 | 1.88 | 4.55 | 5.44 | 3.53 | 1.46 | 0.99 | 30.09 |
| Normal | 0.75 | 1.05 | 1.60 | 2.89 | 4.50 | 4.70 | 3.50 | 4.00 | 3.93 | 2.48 | 1.80 | 0.90 | 32.10 |

WHEATON, POTTAWATOMIE COUNTY. — Elevation, 1,498 feet

| | | | | | | | | | | | | | |
|--------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1931 | *0.18 | *0.50 | 2.00 | 1.90 | 3.70 | 2.07 | 5.00 | 6.75 | *8.00 | 1.85 | 6.25 | 0.80 | 39.00 |
| 1932 | *1.20 | 0.21 | 1.28 | 2.71 | 2.88 | 4.22 | 2.42 | 7.88 | 4.75 | *0.65 | 0.70 | 2.07 | 30.97 |
| 1933 | 0.00 | 0.18 | 2.78 | *3.20 | 2.26 | 0.48 | 2.51 | 4.25 | 1.94 | 1.47 | 0.00 | 0.85 | 19.92 |
| 1934 | 0.89 | 1.20 | 1.07 | 0.71 | *3.00 | *2.36 | 0.79 | 1.00 | 7.19 | 1.14 | 5.29 | 0.40 | 25.04 |
| 1935 | 0.27 | 1.23 | 0.55 | 1.81 | 9.18 | 5.44 | 0.81 | 5.66 | 4.52 | 3.17 | 2.83 | 0.57 | 36.04 |
| 1936 | 1.44 | 0.45 | 0.25 | 3.17 | *5.00 | 1.69 | 1.40 | 2.75 | 7.10 | 2.16 | T | 1.30 | 26.71 |
| 1937 | 1.23 | 1.00 | 3.49 | 0.32 | 2.22 | 2.44 | 2.40 | 2.31 | 0.15 | 1.45 | *0.68 | 0.55 | 18.24 |
| 1938 | 0.42 | 0.30 | 2.41 | 1.83 | 8.92 | *4.00 | 4.86 | 4.97 | *1.25 | 0.96 | 2.05 | 0.48 | 32.45 |
| 1939 | 0.48 | 0.65 | 2.13 | 3.02 | 1.54 | 6.02 | 1.18 | 3.54 | 0.73 | 0.94 | 1.06 | 0.55 | 21.84 |
| 1940 | 0.42 | 1.24 | 0.27 | 2.51 | 2.35 | 3.65 | 1.75 | 8.82 | 0.39 | 1.23 | 1.45 | 1.10 | 25.18 |
| 1941 | 2.14 | 0.39 | 0.86 | 4.17 | 3.39 | 7.02 | 2.31 | 6.06 | 4.24 | 12.66 | *0.60 | 1.30 | 45.14 |
| 1942 | 0.40 | 1.37 | 1.37 | 1.73 | 5.14 | 6.07 | *1.42 | 6.18 | 3.82 | 2.37 | 0.86 | 2.04 | 32.97 |
| 1943 | 0.07 | 1.02 | 0.92 | 1.71 | 4.21 | 9.92 | 2.42 | 0.39 | 3.94 | 1.65 | 0.68 | 1.39 | 28.32 |
| 1944 | 0.64 | 1.48 | 4.58 | 8.25 | 3.14 | 5.24 | 5.99 | 14.38 | 0.95 | 1.68 | 2.42 | 2.21 | 50.96 |
| 1945 | 0.69 | 1.40 | 1.64 | 6.97 | 6.55 | 9.36 | 6.30 | 2.50 | 5.29 | *0.70 | *0.30 | 0.89 | 42.59 |
| 1946 | 1.45 | 0.28 | 4.45 | 1.60 | 1.94 | 5.09 | 1.60 | 3.12 | 7.48 | 2.88 | 1.24 | 0.68 | 31.81 |
| Normal | 0.70 | 1.00 | 1.73 | 2.90 | 3.99 | 4.62 | 3.40 | 3.75 | 3.87 | 2.53 | 1.75 | 0.85 | 31.09 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

EASTERN DIVISION

WILLARD, SHAWNEE COUNTY. — Elevation, 917 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|-------|-------|------|--------|
| 1931 | 0.23 | 0.77 | 1.77 | 2.83 | 2.54 | 1.32 | 4.43 | 4.37 | 7.40 | 2.37 | 7.10 | 0.77 | 35.90 |
| 1932 | *1.00 | *0.65 | *1.28 | 2.68 | 4.72 | 5.79 | 4.02 | 6.50 | 1.81 | 0.44 | 0.66 | 1.63 | 31.18 |
| 1933 | 0.27 | *0.35 | 2.07 | 3.67 | 2.58 | 1.60 | 3.35 | 2.45 | 1.80 | 0.55 | 0.20 | 0.95 | 19.84 |
| 1934 | *0.30 | 1.29 | *0.75 | 0.70 | 4.33 | 2.96 | 1.61 | 1.21 | 5.21 | *1.60 | *3.00 | 0.23 | 23.19 |
| 1935 | 0.69 | *1.10 | 0.30 | 1.85 | 10.71 | 4.87 | 0.00 | 4.34 | 4.45 | 3.31 | *2.90 | 0.38 | 34.90 |
| 1936 | 1.59 | *0.42 | 0.20 | 1.90 | 5.83 | *0.65 | 1.35 | 0.74 | 8.33 | 1.04 | *0.08 | 2.03 | 24.16 |
| 1937 | *1.92 | 0.94 | 1.51 | 1.87 | 1.85 | 1.95 | 1.41 | 1.80 | 0.36 | 1.42 | 1.14 | 0.72 | 16.89 |
| 1938 | 0.71 | 0.97 | 2.63 | 2.26 | 9.81 | 2.87 | 3.83 | 2.67 | 0.87 | 0.07 | 1.94 | 0.11 | 28.74 |
| 1939 | 0.64 | 1.79 | 1.55 | 4.48 | 2.01 | 5.31 | 3.59 | 3.56 | 0.33 | 1.08 | 1.65 | 0.71 | 26.70 |
| 1940 | 1.09 | 1.03 | 1.27 | 3.16 | 4.00 | 2.51 | T | 4.84 | 1.11 | 1.48 | 3.10 | 1.18 | 24.77 |
| 1941 | 3.55 | 0.37 | 1.50 | 3.13 | 2.22 | 7.11 | 1.32 | 8.20 | 4.42 | 9.05 | 0.97 | 2.16 | 44.00 |
| 1942 | 0.37 | 1.71 | 1.40 | 2.81 | 5.91 | 6.51 | 0.85 | 7.17 | 7.22 | 2.60 | 1.24 | 3.20 | 40.99 |
| 1943 | 0.16 | 0.69 | 0.83 | 1.38 | 4.24 | 8.74 | 3.42 | 1.66 | 5.18 | 2.11 | 0.68 | 2.25 | 31.34 |
| 1944 | 0.62 | 0.93 | 4.71 | 10.42 | 3.57 | 2.42 | 3.33 | 9.32 | 2.97 | 1.92 | 2.60 | 4.56 | 47.37 |
| 1945 | 0.50 | 0.97 | 3.19 | 7.13 | 6.56 | 5.89 | 3.82 | 0.82 | 6.09 | 0.45 | 0.08 | 0.89 | 36.39 |
| 1946 | 2.01 | 0.55 | 4.65 | 2.93 | 5.22 | 7.97 | 0.48 | 7.65 | 4.23 | 1.32 | 1.07 | 2.11 | 40.19 |
| Normal | 0.86 | 1.25 | 1.90 | 2.90 | 4.42 | 4.20 | 3.40 | 4.16 | 4.06 | 2.50 | 1.78 | 1.00 | 32.43 |

YATES CENTER, WOODSON COUNTY. — Elevation, 1,099 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|-------|-------|------|------|-------|------|------|------|-------|
| 1940 | — | — | — | — | — | 2.64 | 0.89 | 7.06 | 5.41 | 1.42 | 4.60 | 0.98 | — |
| 1941 | 4.28 | 0.80 | 0.83 | 4.73 | 2.76 | 10.35 | 3.18 | 7.17 | 10.42 | 7.25 | 1.60 | 2.11 | 55.48 |
| 1942 | 1.20 | 2.08 | 1.54 | 5.78 | 2.16 | 10.59 | 5.08 | 5.39 | 8.09 | 2.42 | 1.97 | 2.44 | 48.34 |
| 1943 | 0.34 | 0.93 | 1.14 | 1.59 | 12.14 | 8.05 | 2.25 | 3.48 | 5.03 | 3.15 | 0.05 | 2.54 | 40.69 |
| 1944 | 0.73 | 2.34 | 2.64 | 10.78 | 3.87 | 5.19 | 2.89 | 6.25 | 3.80 | 3.75 | 2.43 | 3.30 | 47.97 |
| 1945 | 1.24 | 1.84 | 5.13 | 8.40 | 4.79 | 5.65 | 4.17 | 4.22 | 10.65 | 0.64 | 0.30 | 0.87 | 47.90 |
| 1946 | 2.44 | 1.57 | 2.83 | 3.84 | 2.54 | 2.82 | 0.75 | 3.17 | 2.49 | 3.18 | 3.06 | 1.43 | 30.12 |
| Normal | 1.40 | 1.51 | 2.29 | 3.79 | 5.00 | 4.92 | 3.50 | 3.54 | 4.69 | 3.08 | 2.40 | 1.44 | 37.56 |

KANSAS CITY, JACKSON COUNTY, MO. — Elevation, 741 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|------|-------|------|------|------|-------|------|------|-------|
| 1931 | 0.56 | 1.24 | 2.35 | 2.62 | 5.99 | 1.50 | 3.24 | 3.45 | 5.12 | 3.02 | 9.52 | 2.54 | 41.15 |
| 1932 | 1.12 | 0.63 | 2.30 | 2.50 | 2.63 | 2.73 | 2.57 | 4.90 | 1.36 | 2.43 | 1.49 | 2.41 | 27.07 |
| 1933 | 1.20 | 0.93 | 4.25 | 1.82 | 6.94 | 1.46 | 1.13 | 4.00 | 2.69 | 0.58 | 0.31 | 1.80 | 27.11 |
| 1934 | 0.49 | 0.81 | 0.65 | 2.40 | 3.14 | 1.71 | 2.26 | 1.44 | 6.44 | 1.88 | 5.40 | 0.53 | 27.15 |
| 1935 | 1.13 | 1.34 | 0.69 | 2.30 | 9.99 | 3.24 | 0.51 | 2.28 | 4.60 | 3.69 | 3.84 | 0.25 | 33.86 |
| 1936 | 1.17 | 0.55 | 0.08 | 1.89 | 4.16 | 0.51 | 0.36 | 0.25 | 7.99 | 2.01 | 0.19 | 2.35 | 21.51 |
| 1937 | 3.37 | 0.86 | 1.73 | 2.51 | 3.63 | 3.73 | 3.11 | 2.26 | 0.21 | 1.15 | 1.33 | 0.95 | 24.84 |
| 1938 | 1.89 | 0.90 | 3.06 | 1.87 | 7.64 | 5.22 | 3.82 | 6.78 | 1.84 | 0.70 | 2.70 | 0.55 | 36.97 |
| 1939 | 1.28 | 0.98 | 1.14 | 7.04 | 2.85 | 10.99 | 1.18 | 4.64 | 0.54 | 0.95 | 2.45 | 0.68 | 34.72 |
| 1940 | 1.26 | 1.07 | 1.95 | 4.21 | 4.33 | 3.84 | 0.80 | 6.48 | 1.30 | 1.68 | 3.95 | 1.68 | 32.55 |
| 1941 | 4.91 | 0.58 | 0.87 | 4.03 | 3.18 | 6.79 | 2.34 | 4.66 | 4.62 | 11.94 | 0.94 | 1.76 | 46.62 |
| 1942 | 0.14 | 3.16 | 2.62 | 4.58 | 3.68 | 7.35 | 2.69 | 5.80 | 3.15 | 2.68 | 2.74 | 2.43 | 41.02 |
| 1943 | 0.31 | 0.61 | 1.17 | 1.75 | 4.71 | 7.66 | 3.39 | 1.90 | 2.28 | 1.93 | 0.20 | 1.47 | 27.38 |
| 1944 | 0.68 | 1.78 | 5.09 | 10.57 | 4.14 | 3.78 | 3.54 | 7.97 | 4.38 | 1.03 | 2.94 | 3.74 | 49.64 |
| 1945 | 0.38 | 0.85 | 4.32 | 6.63 | 5.55 | 6.05 | 1.73 | 0.26 | 6.55 | 0.92 | 0.60 | 1.42 | 35.26 |
| 1946 | 3.40 | 0.94 | 2.48 | 4.57 | 2.87 | 4.37 | 0.94 | 3.70 | 2.45 | 3.83 | 0.58 | 1.43 | 31.56 |
| Normal | 1.34 | 1.54 | 2.44 | 3.10 | 4.80 | 4.64 | 3.40 | 4.06 | 4.43 | 2.94 | 2.17 | 1.33 | 36.19 |

ST. JOSEPH, BUCHANAN COUNTY, MO. — Elevation, 967 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|------|-------|------|-------|------|------|------|------|-------|
| 1931 | 0.53 | 0.81 | 2.44 | 3.56 | 4.13 | 2.42 | 4.05 | 5.27 | 7.88 | 1.92 | 8.35 | 3.38 | 44.74 |
| 1932 | 1.30 | 0.69 | 1.52 | 2.82 | 3.21 | 6.09 | 4.06 | 3.82 | 2.67 | 1.22 | 0.59 | 1.41 | 29.40 |
| 1933 | 0.37 | 0.31 | 2.81 | 3.42 | 3.49 | 6.05 | 2.59 | 5.09 | 3.44 | 0.79 | 0.52 | 1.41 | 30.29 |
| 1934 | 0.40 | 0.88 | 0.43 | 3.36 | 2.34 | 3.96 | 1.05 | 5.84 | 7.05 | 1.66 | 5.22 | 0.27 | 32.46 |
| 1935 | 0.72 | 1.10 | 1.61 | 3.10 | 7.92 | 8.20 | 0.11 | 1.57 | 4.23 | 3.09 | 2.71 | 0.25 | 34.61 |
| 1936 | 2.62 | 0.44 | 0.14 | 2.91 | 4.14 | 3.68 | 0.95 | 1.02 | 8.14 | 2.48 | 0.04 | 1.81 | 28.37 |
| 1937 | 2.59 | 0.89 | 1.23 | 2.01 | 3.93 | 1.64 | 7.89 | 3.24 | 0.82 | 1.26 | 1.22 | 0.75 | 27.47 |
| 1938 | 1.22 | 0.46 | 1.69 | 3.18 | 4.70 | 2.10 | 2.85 | 6.85 | 1.24 | 0.14 | 1.90 | 0.65 | 26.98 |
| 1939 | 0.93 | 1.26 | 4.69 | 2.71 | 1.38 | 7.52 | 0.96 | 2.40 | 0.42 | 0.95 | 2.73 | 0.72 | 26.67 |
| 1940 | 1.63 | 1.52 | 2.24 | 2.37 | 3.52 | 4.72 | 2.67 | 7.13 | 0.78 | 1.06 | 2.53 | 1.55 | 31.72 |
| 1941 | 3.36 | 0.20 | 0.96 | 5.04 | 3.57 | 6.23 | 1.32 | 2.13 | 5.40 | 6.59 | 0.96 | 2.04 | 37.80 |
| 1942 | 0.28 | 2.87 | 1.79 | 1.60 | 7.00 | 5.61 | 2.21 | 4.76 | 6.50 | 1.74 | 1.60 | 2.50 | 38.46 |
| 1943 | 0.21 | 0.79 | 0.62 | 1.41 | 6.32 | 15.71 | 2.39 | 1.52 | 2.78 | 1.54 | 0.64 | 2.32 | 36.25 |
| 1944 | 0.95 | 1.32 | 3.78 | 10.88 | 4.40 | 4.43 | 2.38 | 11.54 | 0.85 | 1.98 | 2.26 | 4.57 | 48.94 |
| 1945 | 0.59 | 1.47 | 3.84 | 6.36 | 5.25 | 10.10 | 2.60 | 1.21 | 5.35 | 0.67 | 0.42 | 1.40 | 39.26 |
| 1946 | 2.35 | 0.28 | 4.80 | 1.79 | 5.23 | 4.22 | 1.28 | 1.44 | 4.70 | 2.06 | 0.89 | 1.46 | 30.50 |
| Normal | 1.07 | 1.29 | 2.12 | 3.12 | 4.13 | 5.01 | 2.87 | 3.66 | 4.64 | 2.56 | 2.00 | 1.15 | 33.62 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

ALDEN, RICE COUNTY. — Elevation, 1,684 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|-------|------|-------|------|-------|--------|
| 1931 | 0.22 | 0.35 | 2.78 | 1.97 | 2.80 | 2.67 | 0.94 | 1.71 | 1.54 | 1.02 | 2.99 | 0.65 | 19.64 |
| 1932 | 1.06 | 0.66 | 0.95 | 1.14 | 6.01 | 3.43 | 1.44 | 2.03 | 1.13 | 1.32 | 0.07 | 0.39 | 19.63 |
| 1933 | 0.10 | 0.12 | 0.99 | 0.61 | 4.26 | 0.08 | 2.57 | 8.52 | 0.57 | 1.70 | 0.46 | 0.65 | 20.63 |
| 1934 | 0.44 | 1.18 | 0.52 | 0.72 | 4.24 | 2.59 | 0.75 | 2.45 | 5.88 | 1.34 | 1.33 | 0.15 | 21.99 |
| 1935 | 0.35 | 0.75 | 0.38 | 0.43 | 8.02 | 5.43 | 0.47 | 2.44 | 2.24 | 1.46 | 1.55 | 0.02 | 23.54 |
| 1936 | 0.57 | 0.14 | T | 0.89 | 5.92 | 1.77 | 1.05 | 0.82 | 5.63 | *1.74 | *T | *0.70 | 19.23 |
| 1937 | — | — | — | — | — | 4.43 | 2.44 | 1.55 | 2.42 | 1.39 | 0.57 | 0.32 | — |
| 1938 | T | 1.01 | 1.65 | 2.76 | 8.64 | 4.36 | 1.11 | 3.47 | 1.18 | 0.13 | 0.22 | 0.02 | 24.55 |
| 1939 | 0.60 | 0.81 | 1.36 | 0.61 | 1.09 | 7.12 | 2.90 | 8.69 | 0.19 | 0.20 | 0.93 | 0.70 | 25.20 |
| 1940 | 0.32 | 1.15 | 0.93 | 4.41 | 4.40 | 1.49 | 4.24 | 2.23 | 2.62 | 1.07 | 2.40 | 1.25 | 26.51 |
| 1941 | 1.30 | 0.91 | 0.66 | 1.85 | 2.39 | 6.88 | 2.64 | 2.63 | 3.20 | 5.26 | 0.65 | 1.16 | 29.53 |
| 1942 | 0.14 | 1.01 | 1.70 | 3.52 | 1.46 | 8.53 | 1.73 | 4.82 | 3.63 | 4.94 | 0.35 | 1.45 | 33.28 |
| 1943 | 0.15 | 0.54 | 0.48 | 1.72 | 2.81 | 3.96 | 4.77 | 3.49 | 1.78 | 2.08 | 0.04 | 1.92 | 33.74 |
| 1944 | 0.38 | 1.15 | 1.75 | 6.72 | 3.04 | 2.57 | 4.65 | 13.00 | 3.07 | 1.55 | 1.16 | 2.43 | 41.27 |
| 1945 | 0.92 | 1.07 | 0.53 | 5.26 | 1.76 | 4.87 | 4.38 | 2.31 | 4.52 | 1.49 | 0.04 | 0.68 | 27.83 |
| 1946 | 0.58 | 0.94 | 1.26 | 0.60 | 3.14 | 1.02 | 1.30 | 0.99 | 3.85 | 4.85 | 0.93 | *0.40 | 19.86 |
| Normal | 0.60 | 0.91 | 1.40 | 2.42 | 4.05 | 4.06 | 2.80 | 3.27 | 2.51 | 1.79 | 1.40 | 0.65 | 25.86 |

ALEXANDER, RUSH COUNTY. — Elevation, 2,079 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1940 | — | — | — | — | — | — | — | — | — | — | 2.96 | 0.88 | — |
| 1941 | 1.05 | 0.72 | 0.56 | 3.34 | 4.54 | 4.44 | 1.53 | 1.39 | 1.81 | 3.24 | 0.91 | 0.70 | 24.23 |
| 1942 | 0.16 | 0.90 | 1.98 | 4.09 | 1.29 | 8.29 | 1.98 | 4.55 | 2.74 | 1.73 | 0.13 | 1.23 | 29.07 |
| 1943 | 0.09 | 0.39 | 0.77 | 0.95 | 1.96 | 1.37 | 3.73 | 2.88 | 1.04 | 0.78 | T | 0.49 | 14.45 |
| 1944 | 1.01 | 0.77 | 3.05 | 5.20 | 5.37 | 3.27 | 5.10 | 7.95 | 0.76 | 2.59 | 1.08 | 1.22 | 37.37 |
| 1945 | 0.95 | 0.78 | 0.10 | 3.97 | 2.08 | 2.63 | 1.46 | 1.34 | 1.27 | 1.89 | T | 0.79 | 17.26 |
| 1946 | 0.30 | 0.52 | 2.14 | 0.74 | 2.20 | 0.91 | 3.29 | 3.06 | 4.81 | 3.88 | 3.05 | T | 24.90 |
| Normal | 0.32 | 0.80 | 0.95 | 2.06 | 3.05 | 3.40 | 2.60 | 3.00 | 2.17 | 1.44 | 0.98 | 0.61 | 21.38 |

ALTON (NEAR), OSBORNE COUNTY. — Elevation, 1,651 feet

| | | | | | | | | | | | | | |
|--------|------|-------|-------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | 0.05 | 0.42 | 2.25 | 2.67 | 3.01 | 0.45 | 4.46 | 4.35 | 1.16 | 1.60 | 2.86 | 1.12 | 24.40 |
| 1932 | 2.35 | 1.50 | 0.60 | 1.19 | 1.78 | 2.81 | 0.51 | 2.67 | 3.11 | 2.49 | 0.10 | 0.70 | 19.81 |
| 1933 | T | T | 1.15 | 2.03 | 1.70 | 0.68 | 1.94 | 3.61 | 0.78 | 0.10 | 0.53 | 1.02 | 13.54 |
| 1934 | 0.30 | 1.46 | 0.20 | 0.54 | 1.39 | 7.14 | 0.16 | 1.16 | 3.24 | 0.39 | 1.25 | T | 17.23 |
| 1935 | T | 0.70 | 0.08 | 0.90 | 5.46 | 5.58 | T | 2.75 | 4.88 | 1.10 | 1.90 | 0.13 | 23.48 |
| 1936 | 0.20 | 0.70 | T | 0.94 | 1.86 | 1.69 | 0.95 | 2.94 | 7.57 | 1.22 | T | 0.70 | 18.77 |
| 1937 | 1.50 | 0.80 | *0.70 | 0.53 | 1.63 | 2.23 | 3.88 | 1.68 | 0.82 | 1.61 | 0.94 | 0.05 | 16.37 |
| 1938 | T | *1.20 | 1.61 | 2.72 | 3.34 | 4.67 | 3.88 | 3.89 | 0.46 | 0.35 | 0.37 | T | 22.49 |
| 1939 | 0.93 | 1.07 | 1.66 | 1.76 | 2.33 | 1.88 | 0.73 | 1.26 | 0.30 | 0.80 | 0.03 | 0.47 | 13.22 |
| 1940 | 0.90 | 0.60 | 1.14 | 1.91 | 3.00 | 1.63 | 2.79 | 3.34 | 3.54 | 0.87 | 2.47 | 0.60 | 22.79 |
| 1941 | 2.09 | 1.50 | *0.75 | 4.34 | 1.54 | 6.21 | 1.00 | 1.93 | 8.44 | 1.20 | 1.67 | 1.53 | 32.20 |
| 1942 | 0.30 | 0.70 | 1.32 | 5.23 | 3.73 | 4.95 | 2.03 | 4.23 | 3.47 | 1.07 | 0.58 | 2.21 | 29.82 |
| 1943 | 0.15 | 0.90 | 0.75 | 5.20 | 1.87 | 5.63 | 1.85 | 1.46 | 2.11 | 0.56 | 0.46 | 0.60 | 21.54 |
| 1944 | 1.53 | 1.39 | 2.95 | 5.90 | 3.46 | 3.53 | 5.49 | 3.38 | 0.49 | 1.48 | 1.58 | 0.80 | 31.98 |
| 1945 | 0.64 | 0.86 | 0.21 | 4.06 | 4.78 | 5.58 | 3.48 | 0.72 | 1.77 | 0.26 | T | 1.45 | 23.81 |
| 1946 | 0.69 | T | 2.42 | 0.25 | 5.06 | 1.75 | 5.05 | 1.07 | 4.84 | 3.04 | 1.98 | T | 26.15 |
| Normal | 0.44 | 0.85 | 0.98 | 2.07 | 2.86 | 3.54 | 2.65 | 2.76 | 2.54 | 1.32 | 0.97 | 0.65 | 21.63 |

ANTHONY, HARPER COUNTY. — Elevation, 1,329 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|
| 1931 | 0.47 | 0.91 | 3.51 | 3.16 | 3.55 | 4.74 | 0.81 | 2.08 | 5.30 | 0.98 | 6.13 | 0.96 | 32.60 |
| 1932 | 1.78 | 1.60 | 0.96 | 1.48 | 0.67 | 8.25 | 2.72 | 2.50 | 0.93 | 0.94 | 0.43 | 1.40 | 23.66 |
| 1933 | 0.61 | 0.26 | 1.55 | 2.15 | 0.92 | 1.60 | 2.17 | 3.79 | 0.12 | 1.11 | 0.44 | 1.47 | 16.19 |
| 1934 | 1.86 | 0.92 | 1.74 | 2.54 | 1.88 | 2.45 | 1.17 | 0.80 | 3.40 | 2.05 | 2.80 | 1.05 | 22.66 |
| 1935 | 0.79 | 1.14 | 1.54 | 0.67 | 10.54 | 2.75 | T | 1.53 | 1.24 | 2.00 | 2.35 | 0.83 | 25.38 |
| 1936 | 0.94 | 0.01 | T | 0.96 | 4.25 | 2.89 | 1.38 | 0.01 | 4.64 | 1.57 | T | 1.39 | 18.04 |
| 1937 | 1.36 | 0.48 | 2.26 | 0.21 | 6.87 | 3.72 | 2.64 | 2.48 | 4.08 | 1.50 | 0.33 | 0.74 | 26.67 |
| 1938 | T | 1.88 | 2.21 | 3.95 | 9.59 | 2.54 | 2.45 | 3.14 | 2.85 | T | 6.39 | 0.30 | 35.30 |
| 1939 | 1.59 | 1.03 | 1.69 | 1.81 | 1.89 | 3.95 | 0.31 | 1.37 | T | 1.26 | 0.90 | 0.99 | 16.79 |
| 1940 | 0.51 | 1.43 | 0.19 | 2.32 | 4.07 | 2.94 | 2.63 | 3.02 | 1.53 | 0.76 | 3.56 | 1.19 | 24.15 |
| 1941 | 1.30 | 1.41 | 1.51 | 3.85 | 3.49 | 3.44 | 1.10 | 3.02 | 2.36 | 5.94 | 0.70 | 0.48 | 28.60 |
| 1942 | 0.09 | 1.03 | 1.68 | 6.77 | 1.42 | 5.67 | 1.24 | 2.61 | 3.76 | 2.67 | 0.20 | 1.58 | 28.72 |
| 1943 | 0.26 | 0.55 | 0.55 | 0.97 | 5.62 | 1.66 | 1.27 | 0.76 | 1.63 | 2.72 | 0.01 | 2.93 | 18.93 |
| 1944 | 0.93 | 2.00 | 2.33 | 6.17 | 2.61 | 0.53 | 4.60 | 6.36 | 5.15 | 1.86 | 1.93 | 3.14 | 37.61 |
| 1945 | 1.14 | 0.58 | 1.04 | 7.36 | 1.44 | 3.27 | 2.75 | 1.88 | 6.36 | 1.05 | 0.05 | 0.41 | 27.33 |
| 1946 | 1.50 | 1.95 | 2.06 | 4.07 | 3.23 | 1.74 | 0.03 | 1.15 | 0.98 | 5.73 | 1.73 | 0.79 | 24.96 |
| Normal | 0.70 | 0.98 | 1.48 | 2.67 | 4.42 | 3.81 | 2.83 | 2.78 | 2.83 | 2.24 | 1.75 | 0.92 | 27.41 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

ARKANSAS CITY, COWLEY COUNTY. — Elevation, 1,073 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|------|-------|------|-------|------|-------|-------|------|------|------|--------|
| 1931 | 0.63 | 1.37 | 2.55 | 2.60 | 4.00 | 1.92 | 1.12 | 1.11 | 2.50 | 1.79 | 6.70 | 0.54 | 26.83 |
| 1932 | 2.10 | 1.71 | 0.48 | 1.56 | 1.51 | 4.82 | 1.80 | 2.04 | 3.37 | 1.40 | 0.28 | 3.45 | 24.52 |
| 1933 | 0.45 | 0.20 | 1.80 | 1.94 | 2.27 | 2.69 | 3.23 | 10.35 | 5.27 | 1.07 | 0.65 | 2.76 | 32.68 |
| 1934 | 1.18 | 0.79 | 1.23 | 5.37 | 4.65 | 2.38 | 0.20 | 0.93 | 8.90 | 2.86 | 4.80 | 0.98 | 34.27 |
| 1935 | 0.71 | 1.70 | 1.95 | 1.74 | 7.46 | 4.22 | 1.20 | 1.39 | 2.53 | 3.65 | 4.19 | 0.86 | 31.60 |
| 1936 | 0.52 | 0.24 | 0.04 | 1.36 | 3.28 | 3.49 | 2.63 | 0.25 | 5.88 | 2.65 | 0.81 | 3.96 | 25.11 |
| 1937 | 1.52 | 0.67 | 1.77 | 1.74 | 5.76 | 5.12 | 4.06 | 3.52 | 2.67 | 2.33 | 1.17 | 1.37 | 31.70 |
| 1938 | 0.68 | 3.21 | 1.96 | 2.50 | 9.33 | 8.31 | 4.48 | 3.37 | 2.30 | 0.03 | 2.69 | 0.51 | 39.37 |
| 1939 | 2.04 | 0.92 | 1.20 | 3.16 | 4.80 | 4.12 | 0.81 | 4.89 | 0.05 | 1.40 | 0.98 | 0.65 | 25.02 |
| 1940 | 1.17 | 2.04 | 0.15 | 5.19 | 3.78 | 1.68 | 3.94 | 4.51 | 8.45 | 0.45 | 4.55 | 1.96 | 37.87 |
| 1941 | 1.90 | 1.12 | 1.00 | 6.99 | 3.57 | 5.62 | 3.39 | 3.65 | 4.16 | 7.37 | 1.69 | 0.63 | 41.29 |
| 1942 | 0.63 | 2.04 | 0.75 | 5.86 | 1.25 | 11.87 | 0.11 | 5.71 | 6.17 | 2.45 | 0.55 | 2.45 | 39.84 |
| 1943 | T | 0.54 | 1.20 | 1.72 | 9.76 | 2.66 | 4.75 | 1.28 | 4.17 | 1.74 | 0.01 | 3.01 | 30.84 |
| 1944 | 0.75 | 1.28 | 3.18 | 7.82 | 3.29 | 3.85 | 1.46 | 6.26 | 5.78 | 2.35 | 2.49 | 3.19 | 41.70 |
| 1945 | 0.92 | *0.50 | 3.34 | 10.87 | 2.67 | 3.33 | 3.74 | 1.28 | 11.40 | 0.40 | 0.03 | 0.52 | 39.00 |
| 1946 | 2.27 | 1.24 | 3.81 | 3.67 | 3.39 | 1.20 | 1.26 | 0.82 | 1.14 | 2.10 | 2.62 | 1.12 | 24.64 |
| Normal | 1.00 | 1.38 | 1.65 | 3.72 | 4.80 | 4.90 | 3.40 | 3.30 | 3.60 | 2.80 | 2.00 | 1.31 | 33.86 |

AUGUSTA, BUTLER COUNTY. — Elevation, 1,287 feet

| | | | | | | | | | | | | | |
|--------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|-------|-------|
| 1931 | 0.17 | *1.40 | 1.97 | 2.41 | 3.29 | 5.86 | 2.56 | 2.18 | 4.68 | 1.10 | 6.32 | 0.29 | 32.23 |
| 1932 | 1.53 | 1.01 | 0.36 | 1.78 | 2.80 | 8.06 | 4.31 | 2.40 | 1.29 | *1.00 | 0.19 | *2.50 | 27.23 |
| 1933 | — | — | — | — | — | 0.47 | 2.97 | 7.40 | 0.57 | 0.86 | 0.56 | 1.40 | — |
| 1934 | 0.65 | 0.65 | 1.37 | 3.00 | 4.76 | 2.08 | 1.43 | 0.88 | 5.73 | 3.25 | 4.03 | 1.30 | 29.13 |
| 1935 | 0.89 | 0.83 | 1.13 | 2.15 | 14.00 | 4.82 | 0.78 | 1.19 | 2.26 | 3.74 | 4.29 | 0.23 | 36.31 |
| 1936 | 0.78 | T | 0.02 | 0.55 | 5.25 | 1.17 | 0.35 | 0.02 | 6.22 | 5.86 | 0.14 | 1.54 | 21.90 |
| 1937 | 1.13 | 0.68 | 2.35 | 1.10 | 3.53 | 5.56 | 7.61 | 2.46 | 4.49 | 0.98 | 0.82 | 0.94 | 31.65 |
| 1938 | 0.13 | 1.84 | 1.90 | 2.10 | 8.61 | 4.18 | 2.80 | 3.68 | 3.65 | 0.31 | 2.09 | 0.11 | 31.40 |
| 1939 | 1.03 | 1.51 | 1.25 | 2.12 | 3.25 | 8.43 | 0.64 | 3.31 | 0.00 | 0.30 | 0.60 | 0.50 | 22.94 |
| 1940 | 1.14 | 1.64 | 1.07 | 6.76 | 5.30 | 2.25 | 1.37 | 4.62 | 3.65 | 0.99 | 4.75 | 1.97 | 35.51 |
| 1941 | 3.07 | 1.09 | 0.88 | 3.27 | 2.24 | 7.23 | 1.77 | 3.32 | 4.12 | 5.68 | 0.97 | 0.78 | 34.42 |
| 1942 | 0.51 | 2.38 | 0.95 | 7.07 | 1.29 | 10.13 | 4.90 | 2.93 | 6.84 | 5.85 | 0.77 | 2.80 | 46.42 |
| 1943 | 0.04 | 0.90 | 0.86 | 1.71 | 8.63 | 5.10 | 5.48 | 0.33 | 3.42 | 2.62 | 0.06 | 1.96 | 31.11 |
| 1944 | *0.50 | 1.76 | 5.92 | 8.11 | 2.96 | 2.33 | 4.41 | 5.27 | 2.44 | 2.22 | 2.23 | 3.93 | 42.08 |
| 1945 | 0.58 | 0.53 | 2.63 | 7.31 | 1.24 | 3.27 | 4.82 | 3.27 | 11.38 | 0.44 | T | 0.53 | 36.00 |
| 1946 | 2.24 | 1.16 | 1.63 | 1.84 | 2.12 | 2.08 | 0.50 | 2.00 | 2.52 | 2.89 | 2.42 | 0.27 | 21.67 |
| Normal | 0.91 | 1.26 | 1.70 | 2.98 | 4.44 | 4.25 | 3.00 | 3.30 | 3.72 | 2.55 | 2.00 | 1.04 | 31.15 |

BELLEVILLE, REPUBLIC COUNTY. — Elevation, 1,512 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|-------|-------|------|------|------|------|------|------|-------|
| 1931 | 0.15 | 0.14 | 1.27 | 2.92 | 4.23 | 0.93 | 2.93 | 2.97 | 2.69 | 2.14 | 3.62 | 0.85 | 24.84 |
| 1932 | 2.57 | 0.83 | 0.43 | 1.68 | 3.13 | 2.16 | 2.18 | 4.92 | 1.53 | 2.46 | T | 0.40 | 22.29 |
| 1933 | 0.14 | 0.02 | 2.68 | 2.15 | 2.22 | 0.58 | 1.91 | 5.54 | 2.77 | 0.05 | 0.30 | 2.64 | 21.00 |
| 1934 | 0.15 | 1.13 | 0.44 | 0.42 | 2.16 | 2.62 | 0.06 | 0.25 | 2.27 | 0.36 | 1.65 | 0.28 | 11.79 |
| 1935 | T | 0.54 | 0.61 | 1.12 | 8.27 | 3.10 | 0.65 | 4.36 | 3.99 | 1.77 | 1.51 | 0.38 | 26.30 |
| 1936 | 0.69 | 0.33 | 0.23 | 2.16 | 3.47 | 2.56 | 0.25 | 1.79 | 5.78 | 1.01 | 0.00 | 1.04 | 19.31 |
| 1937 | 1.46 | 0.62 | 2.81 | 1.82 | 2.95 | 3.28 | 4.87 | 1.89 | 2.70 | 1.88 | 0.16 | 0.30 | 24.74 |
| 1938 | 0.25 | 1.63 | 1.39 | 2.59 | 10.85 | 4.99 | 6.45 | 3.99 | 1.96 | 0.10 | 0.76 | T | 34.96 |
| 1939 | 0.73 | 1.19 | 1.98 | 2.26 | 3.11 | 8.07 | 0.94 | 4.77 | 0.33 | 0.74 | 0.10 | 0.77 | 24.99 |
| 1940 | 1.10 | 0.85 | 2.68 | 2.24 | 2.26 | 1.79 | 2.47 | 5.19 | 2.04 | 1.62 | 2.84 | 1.40 | 26.48 |
| 1941 | 1.39 | 0.58 | 1.01 | 2.32 | 3.32 | 11.55 | 2.85 | 0.53 | 7.58 | 6.76 | 1.94 | 2.26 | 42.19 |
| 1942 | 0.46 | 1.27 | 2.36 | 2.37 | 3.80 | 6.17 | 3.48 | 4.12 | 4.24 | 1.11 | 0.63 | 1.43 | 31.44 |
| 1943 | 0.09 | 0.87 | 0.86 | 3.49 | 3.80 | 11.77 | 2.16 | 0.86 | 1.18 | 0.75 | 0.39 | 0.47 | 26.69 |
| 1944 | 1.67 | 1.37 | 3.25 | 6.43 | 3.56 | 4.28 | 5.01 | 7.71 | 1.51 | 1.29 | 2.00 | 0.78 | 38.86 |
| 1945 | 0.52 | 1.01 | 0.98 | 4.79 | 8.17 | 2.94 | 6.97 | 1.05 | 3.42 | 1.65 | T | 1.78 | 33.28 |
| 1946 | 0.92 | 0.02 | 2.47 | 0.30 | 3.34 | 4.01 | 6.14 | 2.86 | 4.19 | 3.13 | 3.80 | 0.17 | 31.35 |
| Normal | 0.53 | 0.94 | 1.16 | 2.39 | 4.16 | 4.31 | 3.26 | 3.20 | 2.85 | 1.77 | 1.20 | 0.75 | 26.52 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

BELOIT, MITCHELL COUNTY. — Elevation, 1,383 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|------|-------|------|------|--------|
| 1931 | 0.11 | 0.49 | 1.82 | 2.69 | 2.15 | 0.37 | 3.40 | 7.17 | 1.98 | 1.74 | 3.05 | 0.60 | 25.57 |
| 1932 | 1.52 | 0.72 | 0.42 | 1.11 | 2.23 | 2.85 | 3.52 | 6.35 | 1.90 | 2.53 | 0.04 | 0.19 | 23.38 |
| 1933 | 0.12 | 0.05 | 1.64 | 2.84 | 1.59 | 1.61 | 3.15 | 4.07 | 1.27 | 0.00 | 0.24 | 2.47 | 19.05 |
| 1934 | 0.16 | 1.13 | 0.29 | 0.61 | 1.17 | 4.22 | 0.85 | 1.05 | 1.80 | 0.25 | 0.81 | 0.12 | 12.46 |
| 1935 | T | 0.47 | 0.44 | 1.95 | 5.73 | 8.39 | 0.11 | 4.92 | 5.65 | 1.32 | 1.45 | 0.08 | 30.51 |
| 1936 | 0.54 | 0.17 | 0.00 | 0.71 | 3.24 | 1.04 | 1.75 | 2.46 | 5.82 | 1.19 | T | 0.73 | 17.65 |
| 1937 | 1.50 | 0.40 | 1.88 | 0.55 | 2.38 | 5.49 | 3.41 | 0.90 | 1.86 | 1.78 | 0.30 | 0.05 | 20.50 |
| 1938 | 0.15 | 1.37 | 1.61 | 3.02 | 10.00 | 3.24 | 6.44 | 1.01 | 0.69 | 0.15 | 0.37 | 0.00 | 28.05 |
| 1939 | 0.55 | 0.76 | 1.27 | 2.54 | 2.96 | 6.20 | 1.20 | 6.04 | 0.76 | 0.43 | 0.28 | 0.57 | 23.56 |
| 1940 | 0.39 | 0.52 | 1.59 | 1.65 | 2.32 | 1.26 | 1.19 | 4.16 | 1.21 | 1.55 | 2.67 | 0.87 | 19.36 |
| 1941 | 1.03 | 0.59 | 0.99 | 1.60 | 2.61 | 7.40 | 3.07 | 1.54 | 4.22 | 10.49 | 1.58 | 1.49 | 36.61 |
| 1942 | 0.33 | 1.06 | 2.20 | 3.14 | 3.69 | 6.70 | 2.21 | 6.66 | 3.58 | 2.27 | 0.33 | 1.35 | 33.52 |
| 1943 | 0.13 | 0.94 | 0.41 | 4.11 | 2.52 | 5.11 | 1.79 | 1.07 | 3.30 | 0.91 | 0.59 | 0.69 | 21.57 |
| 1944 | 1.51 | 1.25 | 2.59 | 6.68 | 3.77 | 1.77 | 5.56 | 6.87 | 1.30 | 1.15 | 2.20 | 1.00 | 35.65 |
| 1945 | 0.60 | 1.04 | 0.89 | 4.85 | 4.75 | 5.36 | 5.02 | 1.09 | 1.64 | 0.69 | 0.04 | 1.22 | 27.19 |
| 1946 | 0.65 | 0.09 | 1.91 | 0.75 | 2.37 | 3.56 | 3.00 | 4.58 | 8.77 | 2.82 | 3.12 | 0.03 | 31.65 |
| Normal | 0.41 | 0.74 | 0.97 | 2.22 | 3.51 | 4.29 | 2.84 | 3.18 | 2.47 | 1.90 | 1.00 | 0.64 | 24.17 |

BERWINGTON (NEAR), OTTAWA COUNTY. — Elevation, 1,335 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|------|------|------|------|--------|
| 1931 | — | — | — | — | — | — | — | — | 1.23 | 0.83 | 3.48 | 0.43 | — |
| 1932 | 1.60 | 0.82 | 1.03 | 1.24 | 3.18 | 2.91 | 6.38 | 5.56 | 2.21 | 0.93 | 0.02 | 0.87 | 26.75 |
| 1933 | T | 0.10 | 1.61 | 2.87 | 3.45 | 1.34 | 3.18 | 4.05 | 1.54 | 0.10 | 0.36 | 0.71 | 19.31 |
| 1934 | 0.06 | 1.19 | 0.20 | 1.45 | 3.26 | 5.36 | 1.13 | 0.99 | 3.36 | 0.36 | 2.82 | 0.29 | 20.47 |
| 1935 | 0.01 | 0.66 | 0.23 | 1.19 | 5.79 | 4.04 | 1.39 | 3.36 | 2.51 | 2.09 | 2.02 | 0.36 | 23.65 |
| 1936 | 0.40 | 0.30 | 0.18 | 1.49 | 4.51 | 1.14 | 0.69 | 1.12 | 5.12 | 1.30 | T | 0.96 | 17.21 |
| 1937 | 1.70 | 0.68 | 1.14 | 0.27 | 2.54 | 3.16 | 4.02 | 1.33 | 2.73 | 2.09 | 0.45 | 0.21 | 20.32 |
| 1938 | T | 1.14 | 1.77 | 1.77 | 10.21 | 4.82 | 1.74 | 4.89 | 0.34 | 0.14 | 0.92 | 0.05 | 27.79 |
| 1939 | 0.28 | 0.67 | 1.52 | 1.38 | 3.20 | 6.24 | 2.07 | 6.07 | 0.46 | 0.96 | 1.14 | 0.40 | 24.39 |
| 1940 | 1.31 | 1.31 | 0.34 | 2.41 | 3.67 | 1.72 | 0.51 | 3.47 | 2.40 | 1.28 | 3.09 | 0.79 | 22.30 |
| 1941 | 1.13 | 0.26 | 0.78 | 2.05 | 6.32 | 5.20 | 1.94 | 3.99 | 4.91 | 5.83 | 0.49 | 1.05 | 33.97 |
| 1942 | 0.32 | 0.78 | 2.01 | 3.10 | 6.97 | 9.16 | 0.65 | 3.86 | 8.57 | 2.65 | 0.36 | 1.21 | 39.64 |
| 1943 | 0.21 | 0.73 | 0.44 | 3.50 | 3.22 | 8.52 | 5.37 | 2.45 | 2.72 | 2.52 | 0.21 | 1.08 | 30.97 |
| 1944 | 0.42 | 1.08 | 2.69 | 6.95 | 2.70 | 2.14 | 4.41 | 6.25 | 1.55 | 1.83 | 2.51 | 1.51 | 34.04 |
| 1945 | 0.39 | 0.90 | 1.68 | 5.23 | 3.41 | 3.74 | 4.89 | 1.29 | 3.73 | 0.62 | 0.19 | 1.00 | 27.27 |
| 1946 | 0.67 | 0.21 | 1.97 | 1.71 | 1.84 | 1.82 | 1.58 | 5.23 | 7.32 | 3.66 | 2.18 | 0.10 | 28.29 |
| Normal | 0.50 | 0.92 | 1.10 | 2.38 | 3.90 | 4.15 | 2.74 | 3.51 | 2.93 | 1.93 | 1.20 | 0.68 | 25.94 |

BILSON (NEAR), RUSH COUNTY. — Elevation, 2,012 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.02 | 0.19 | 3.85 | 2.87 | 1.69 | 2.55 | 3.01 | 1.99 | 1.06 | 1.85 | 2.27 | 0.63 | 21.58 |
| 1932 | 1.94 | 0.63 | 0.73 | 1.05 | 3.12 | 4.05 | 1.29 | 2.48 | 1.15 | 0.76 | 0.25 | 0.31 | 17.76 |
| 1933 | 0.04 | 0.15 | 0.20 | 1.83 | 3.16 | 1.06 | 1.52 | 7.59 | 1.00 | 0.05 | 0.15 | 1.47 | 18.22 |
| 1934 | 0.37 | 1.44 | 0.27 | 0.33 | 2.09 | 3.83 | 0.42 | 3.86 | 2.39 | 0.67 | 1.36 | T | 17.03 |
| 1935 | 0.09 | 0.41 | 0.33 | 0.19 | 5.65 | 4.86 | 0.38 | 1.16 | 2.27 | 1.04 | 1.63 | 0.04 | 18.05 |
| 1936 | 0.26 | 0.05 | 0.02 | 0.88 | 4.30 | 0.95 | 1.03 | 1.65 | 2.88 | 1.41 | T | 0.62 | 14.05 |
| 1937 | 0.88 | 0.84 | 1.22 | 0.10 | 2.79 | 1.40 | 6.50 | 3.62 | 1.02 | 1.45 | 0.28 | 0.14 | 20.24 |
| 1938 | T | 1.33 | 1.49 | 3.05 | 5.83 | 2.96 | 2.52 | 2.99 | 1.34 | 0.05 | 0.33 | T | 21.89 |
| 1939 | 0.40 | 1.45 | 0.87 | 1.67 | 0.86 | 3.57 | 1.31 | 2.99 | 0.49 | 0.28 | 0.18 | 0.70 | 14.77 |
| 1940 | 0.71 | 0.55 | 0.62 | 2.04 | 3.53 | 1.22 | 1.82 | 2.78 | 2.33 | 1.45 | 2.48 | 0.83 | 20.36 |
| 1941 | 1.25 | 0.85 | 0.80 | 3.25 | 3.60 | 6.60 | 1.24 | 2.92 | 1.67 | 4.50 | 0.85 | 0.76 | 28.29 |
| 1942 | 0.12 | 0.76 | 1.43 | 3.05 | 3.29 | 8.00 | 2.58 | 2.19 | 2.68 | 2.50 | 0.15 | 1.25 | 28.00 |
| 1943 | 0.09 | 0.51 | 0.69 | 1.24 | 1.81 | 2.97 | 3.17 | 2.33 | 1.35 | 1.86 | 0.05 | 0.55 | 16.62 |
| 1944 | 1.06 | 0.94 | 1.72 | 4.59 | 3.17 | 4.10 | 5.32 | 7.39 | 1.42 | 2.52 | 1.17 | 0.96 | 34.36 |
| 1945 | 0.90 | 1.20 | 0.20 | 4.16 | 2.96 | 5.34 | 2.17 | 2.38 | 3.24 | 1.54 | T | 0.58 | 24.67 |
| 1946 | 0.46 | 0.46 | 0.99 | 0.56 | 2.38 | 1.31 | 1.87 | 1.31 | 4.46 | 3.41 | 2.95 | 0.01 | 20.17 |
| Normal | 0.33 | 0.81 | 0.96 | 2.05 | 3.12 | 3.47 | 2.62 | 3.09 | 2.31 | 1.50 | 1.06 | 0.63 | 21.95 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

BURR OAK (NEAR), JEWELL COUNTY. — Elevation, 1,604 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|-------|------|------|------|------|------|------|--------|
| 1931 | 0.24 | 0.52 | 2.06 | 2.87 | 5.13 | 1.22 | 1.78 | 2.27 | 1.21 | 2.11 | 3.32 | 0.94 | 23.69 |
| 1932 | 2.64 | 0.89 | 0.78 | 0.97 | 1.53 | 3.73 | 1.69 | 1.90 | 2.07 | 2.60 | 0.15 | 0.30 | 19.25 |
| 1933 | 0.12 | 0.08 | 2.04 | 2.91 | 1.87 | 1.73 | 3.04 | 5.00 | 1.33 | 0.09 | 0.27 | 1.64 | 20.12 |
| 1934 | 0.22 | 1.67 | 0.39 | 1.08 | 0.82 | 2.95 | 0.27 | 1.29 | 2.62 | 0.37 | 0.86 | 0.38 | 12.92 |
| 1935 | 0.02 | 1.06 | 0.57 | 0.51 | 8.16 | 6.28 | 0.05 | 4.01 | 4.12 | 1.94 | 1.14 | 0.76 | 28.62 |
| 1936 | 0.37 | 0.27 | 0.05 | 1.44 | 2.14 | 1.77 | 0.04 | 1.34 | 3.52 | 0.62 | 0.03 | 0.79 | 12.38 |
| 1937 | 1.49 | 0.51 | 1.70 | 0.95 | 2.33 | 5.24 | 3.47 | 1.61 | 0.49 | 2.38 | 0.03 | 0.17 | 20.37 |
| 1938 | 0.25 | 1.22 | 0.88 | 2.11 | 5.40 | 2.24 | 7.42 | 1.88 | 4.25 | 0.39 | 1.14 | 0.02 | 27.20 |
| 1939 | 0.68 | 0.75 | 1.46 | 1.11 | 3.27 | 11.25 | 0.45 | 3.41 | 0.17 | 0.56 | 0.06 | 0.72 | 23.89 |
| 1940 | 0.85 | 0.95 | 1.85 | 3.25 | 2.84 | 2.59 | 1.99 | 2.20 | 1.19 | 1.77 | 2.43 | 1.10 | 23.01 |
| 1941 | 0.89 | 0.46 | 0.83 | 3.81 | 1.98 | 10.68 | 2.53 | 1.19 | 6.75 | 2.93 | 1.36 | 2.19 | 35.60 |
| 1942 | 0.15 | 0.68 | 1.18 | 2.78 | 1.83 | 6.35 | 2.74 | 4.43 | 5.53 | 0.67 | 0.25 | 1.51 | 28.10 |
| 1943 | 0.06 | 0.89 | 0.26 | 3.26 | 2.37 | 7.52 | 1.83 | 1.85 | 0.94 | 0.64 | 0.24 | 0.21 | 20.07 |
| 1944 | 1.71 | 0.65 | 2.66 | 5.49 | 3.18 | 4.20 | 3.85 | 5.82 | 1.41 | 1.14 | 1.98 | 0.32 | 32.41 |
| 1945 | 0.45 | 0.88 | 0.45 | 4.59 | 5.43 | 3.45 | 3.44 | 1.34 | 2.01 | 0.32 | 0.04 | 1.48 | 23.88 |
| 1946 | 0.68 | 0.04 | 1.79 | 0.11 | 3.42 | 2.26 | 3.21 | 1.68 | 6.56 | 2.09 | 3.05 | 0.01 | 24.90 |
| Normal | 0.52 | 0.93 | 1.14 | 2.38 | 3.54 | 4.16 | 2.84 | 2.99 | 2.76 | 1.58 | 1.03 | 0.69 | 24.56 |

CAMKER CITY, MITCHELL COUNTY. — Elevation, 1,473 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|--------|
| 1931 | 0.05 | 0.59 | 2.81 | 2.77 | 1.59 | 0.51 | 5.11 | 6.93 | 1.84 | 2.70 | 3.53 | *0.90 | 29.33 |
| 1932 | 2.09 | 1.23 | — | — | — | — | — | 7.08 | 4.20 | *2.50 | *0.06 | *0.40 | — |
| 1933 | 0.14 | 0.07 | — | — | — | — | — | — | — | — | — | — | — |
| 1934 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1935 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1936 | 0.36 | 0.40 | T | 0.77 | 3.52 | 1.63 | 0.43 | 2.35 | 4.60 | *1.20 | *T | *0.72 | 15.98 |
| 1937 | — | — | — | — | — | — | 3.12 | *1.00 | 1.16 | *1.70 | *0.40 | *0.05 | — |
| 1938 | — | — | — | — | — | — | — | 1.77 | 0.29 | 0.25 | 0.75 | T | — |
| 1939 | 0.65 | 1.16 | 1.77 | 2.02 | 1.68 | 3.73 | 0.48 | 5.80 | 0.45 | 0.25 | 0.08 | 0.47 | 18.54 |
| 1940 | 0.63 | 0.67 | 1.03 | 1.38 | 3.63 | 1.60 | 2.37 | 3.67 | 4.07 | 1.50 | 2.84 | 0.59 | 23.98 |
| 1941 | 0.95 | 0.79 | 1.11 | 3.14 | 1.44 | 7.30 | 1.42 | 0.55 | 5.90 | 5.90 | 1.55 | 1.13 | 30.78 |
| 1942 | 0.28 | 0.54 | 1.58 | 3.87 | 4.59 | 3.76 | 2.32 | 7.00 | 4.49 | 3.38 | 0.44 | 1.00 | 33.25 |
| 1943 | 0.20 | 1.04 | 0.24 | 3.24 | 1.73 | 5.07 | 2.41 | 1.31 | 0.95 | 0.23 | 0.35 | 0.46 | 17.23 |
| 1944 | — | — | — | — | — | — | 4.80 | 5.85 | 0.48 | 1.53 | 1.83 | 0.92 | — |
| 1945 | 0.66 | 0.79 | 0.36 | 4.83 | 4.24 | 3.38 | 3.68 | 1.71 | 1.23 | 0.17 | 0.10 | 1.48 | 22.63 |
| 1946 | 0.89 | 0.14 | 2.42 | *0.47 | 3.23 | 3.69 | 3.33 | 4.43 | 10.29 | 2.38 | 3.00 | 0.02 | 34.29 |
| Normal | 0.49 | 0.80 | 1.10 | 2.20 | 3.33 | 3.98 | 2.70 | 3.00 | 2.50 | 1.85 | 0.98 | 0.62 | 23.55 |

CHAPMAN, DICKINSON COUNTY. — Elevation, 1,113 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|-------|------|------|--------|
| 1931 | 0.00 | 1.26 | 1.86 | 2.87 | 3.08 | 2.21 | 2.56 | 5.50 | 3.01 | 2.27 | 2.72 | 0.29 | 27.63 |
| 1932 | 1.44 | 1.37 | 0.35 | 1.30 | 2.34 | 6.32 | 4.43 | 5.26 | 2.49 | 0.25 | 0.54 | 0.90 | 26.99 |
| 1933 | 0.05 | 0.27 | 2.16 | 3.95 | 2.60 | 0.24 | 4.28 | 1.98 | 9.00 | 0.71 | 0.00 | 0.55 | 25.79 |
| 1934 | 0.85 | 1.23 | 0.44 | 0.30 | 4.21 | 5.15 | 0.15 | 0.75 | 4.52 | 0.25 | 3.71 | 0.07 | 21.63 |
| 1935 | 0.11 | 1.16 | 0.45 | 0.65 | 8.88 | 6.82 | 1.06 | 2.81 | 4.51 | 2.85 | 2.01 | 0.63 | 31.94 |
| 1936 | 0.65 | 0.64 | 0.22 | 1.01 | 8.61 | 1.38 | 0.70 | 0.71 | 4.73 | 2.19 | 0.00 | 0.87 | 21.71 |
| 1937 | 2.39 | 1.24 | 1.23 | 0.51 | 5.96 | 2.25 | 1.63 | 0.67 | 3.21 | 2.67 | 0.36 | 0.81 | 22.93 |
| 1938 | T | 0.73 | 2.16 | 1.48 | 5.56 | 7.13 | 2.87 | 5.81 | 1.30 | T | 2.85 | T | 29.89 |
| 1939 | 0.46 | 1.11 | 2.13 | 1.26 | 3.84 | 5.48 | 1.35 | 6.04 | 0.12 | 1.12 | 1.48 | 0.55 | 24.94 |
| 1940 | 0.54 | 1.55 | 0.81 | 2.00 | 5.32 | 3.82 | 0.13 | 2.54 | 2.26 | 1.85 | 3.76 | 1.00 | 25.58 |
| 1941 | 1.99 | 0.46 | 1.14 | 1.36 | 5.99 | 7.07 | 2.22 | 4.66 | 4.12 | 10.80 | 0.52 | 2.49 | 42.82 |
| 1942 | 0.50 | 0.82 | 1.24 | 4.47 | 6.37 | 7.87 | 0.41 | 5.78 | 4.82 | 2.75 | 0.28 | 2.28 | 37.59 |
| 1943 | 0.34 | 0.75 | 1.20 | 3.17 | 2.37 | 7.96 | 4.67 | 1.83 | 3.55 | 2.29 | 0.08 | 2.07 | 30.28 |
| 1944 | 0.46 | 0.82 | 5.14 | 8.02 | 6.05 | 1.76 | 6.48 | 8.92 | 2.11 | 1.45 | 2.58 | 3.34 | 47.13 |
| 1945 | 0.94 | 1.26 | 2.19 | 7.49 | 3.67 | 6.34 | 5.71 | 2.62 | 5.25 | 0.46 | 0.13 | 1.10 | 37.16 |
| 1946 | 1.27 | 0.33 | 1.96 | 1.62 | 7.15 | 4.12 | 2.04 | 3.53 | 4.88 | 3.82 | 1.76 | 0.41 | 32.89 |
| Normal | 0.69 | 1.00 | 1.59 | 2.51 | 4.36 | 4.61 | 3.04 | 3.54 | 3.20 | 2.18 | 1.65 | 0.85 | 29.22 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

CLAFLIN, BARTON COUNTY. — Elevation, 1,795 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|-------|------|------|------|-------|------|------|------|------|------|--------|
| 1931 | T | 0.17 | 2.66 | 4.04 | 1.57 | 1.96 | 1.09 | 2.04 | 1.07 | 0.77 | 2.45 | 0.33 | 18.15 |
| 1932 | 1.11 | 0.39 | 0.74 | 1.31 | 4.29 | 9.16 | 1.56 | 3.29 | 2.06 | 0.39 | T | 0.32 | 24.62 |
| 1933 | T | 0.19 | 0.32 | 0.28 | 2.29 | 0.74 | 2.77 | 9.46 | 0.52 | 0.07 | 0.58 | 1.18 | 18.40 |
| 1934 | 0.39 | 1.07 | T | 0.25 | 2.60 | 3.89 | 1.09 | 2.20 | 2.61 | 0.58 | 1.13 | 0.00 | 15.81 |
| 1935 | 0.06 | 0.69 | 0.58 | 0.46 | 7.26 | 3.68 | 1.77 | 3.17 | 2.20 | 0.60 | 1.93 | 0.05 | 22.45 |
| 1936 | 1.07 | 0.02 | 0.00 | 0.71 | 4.15 | 0.98 | 0.47 | 1.64 | 5.17 | 1.23 | T | 1.21 | 16.65 |
| 1937 | 1.24 | 0.80 | 0.75 | 0.29 | 4.32 | 3.01 | 2.41 | 2.26 | 1.45 | 1.29 | 0.61 | 0.19 | 18.62 |
| 1938 | 0.00 | 1.45 | 1.65 | 2.56 | 6.43 | 4.85 | 4.02 | 2.40 | 2.04 | 0.00 | 0.23 | 0.00 | 25.63 |
| 1939 | 0.67 | 1.03 | *0.95 | 0.56 | 0.45 | 4.78 | 2.66 | 2.44 | 0.07 | 0.41 | 0.86 | 0.70 | 15.58 |
| 1940 | 0.61 | 0.62 | 0.42 | 3.40 | 3.21 | 1.50 | 5.51 | 3.50 | 4.87 | 1.38 | 2.44 | 0.83 | 28.29 |
| 1941 | 1.18 | 1.05 | 0.57 | 1.85 | 4.68 | 6.89 | 1.07 | 2.25 | 6.77 | 7.45 | 0.62 | 0.65 | 35.03 |
| 1942 | 0.24 | 0.99 | 1.66 | 3.99 | 1.57 | 8.08 | 0.87 | 4.37 | 4.67 | 3.49 | 0.51 | 1.24 | 31.68 |
| 1943 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1944 | — | — | — | — | 3.69 | 2.58 | 5.28 | 6.07 | 1.79 | 1.45 | 1.04 | 1.67 | — |
| 1945 | 0.69 | *0.90 | 0.92 | 5.26 | 2.54 | 4.58 | *2.84 | 1.13 | 3.56 | 1.39 | T | 0.40 | 24.21 |
| 1946 | 0.27 | 0.48 | 1.81 | 2.51 | 2.67 | 1.21 | 0.97 | 1.49 | 3.13 | 3.96 | 2.71 | 0.01 | 21.22 |
| Normal | 0.50 | 0.94 | 1.15 | 2.20 | 3.70 | 4.00 | 2.90 | 3.31 | 2.40 | 1.70 | 1.35 | 0.66 | 24.81 |

CLAY CENTER, CLAY COUNTY. — Elevation, 1,203 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|-------|------|-------|------|-------|------|------|--------|
| 1931 | 0.05 | 1.51 | 2.06 | 2.63 | 3.02 | 1.06 | 2.56 | 4.50 | 2.20 | 0.87 | 3.23 | 0.46 | 24.15 |
| 1932 | 1.51 | 0.66 | 0.74 | 2.72 | 2.87 | 4.90 | 2.33 | 8.92 | 2.45 | 1.12 | 0.07 | 0.73 | 29.02 |
| 1933 | 0.08 | 0.09 | 2.06 | 2.83 | 1.49 | 0.99 | 5.67 | 2.68 | 1.79 | 0.23 | 0.40 | 0.53 | 18.84 |
| 1934 | 0.08 | 1.15 | 0.30 | 0.69 | 2.73 | 2.28 | 0.45 | 0.34 | 3.42 | 1.01 | 2.77 | 0.35 | 15.57 |
| 1935 | 0.03 | 0.90 | 1.12 | 1.42 | 6.72 | 4.42 | 1.00 | 4.38 | 6.57 | 3.73 | 2.42 | 0.34 | 33.05 |
| 1936 | 0.75 | 0.25 | 0.44 | 1.25 | 3.57 | 1.40 | 0.57 | 1.53 | 5.06 | 1.65 | 0.04 | 1.22 | 17.73 |
| 1937 | 1.80 | 1.28 | 2.28 | 0.32 | 1.90 | 2.57 | 6.62 | 1.34 | 1.45 | 1.59 | 0.30 | 0.47 | 21.92 |
| 1938 | 0.19 | 0.88 | 2.05 | 1.97 | 8.26 | 4.21 | 2.82 | 3.08 | 0.59 | 0.35 | 2.37 | 0.27 | 27.04 |
| 1939 | 0.85 | 1.20 | 2.01 | 1.82 | 2.65 | 5.41 | 2.23 | 8.31 | 0.68 | 2.37 | 0.96 | 0.62 | 29.11 |
| 1940 | 0.73 | 1.64 | 0.43 | 1.75 | 1.42 | 1.38 | 1.17 | 6.00 | 3.22 | 1.08 | 3.25 | 1.68 | 23.75 |
| 1941 | 1.60 | 0.92 | 1.31 | 1.63 | 3.36 | 6.17 | 1.97 | 3.99 | 3.40 | 11.57 | 0.95 | 2.24 | 39.11 |
| 1942 | 0.70 | 1.29 | 2.30 | 1.40 | 3.76 | 5.74 | 1.25 | 4.46 | 7.47 | 2.08 | 0.81 | 1.75 | 33.01 |
| 1943 | 0.60 | 0.52 | 1.40 | 2.70 | 4.49 | 10.60 | 4.01 | 1.12 | 2.52 | 2.21 | 0.31 | 1.57 | 32.05 |
| 1944 | 1.15 | 0.90 | 4.50 | 6.12 | 2.88 | 3.77 | 9.34 | 10.84 | 1.44 | 1.47 | 2.42 | 1.52 | 46.35 |
| 1945 | 1.12 | 1.79 | 3.28 | 5.84 | 6.94 | 5.88 | 8.77 | 1.34 | 5.03 | 0.37 | 0.30 | 1.15 | 41.81 |
| 1946 | 1.30 | 0.20 | 2.20 | 1.79 | 3.02 | 3.40 | 3.99 | 4.81 | 6.10 | 3.58 | 2.79 | 0.07 | 33.25 |
| Normal | 0.62 | 1.08 | 1.32 | 2.38 | 3.99 | 4.46 | 2.98 | 3.70 | 3.05 | 2.15 | 1.44 | 0.75 | 27.92 |

CLIFTON, WASHINGTON COUNTY. — Elevation, 1,310 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|-------|-------|------|-------|------|------|-------|-------|-------|-------|-------|--------|
| 1931 | — | — | — | — | 3.53 | 0.40 | 2.91 | 4.77 | 1.70 | 2.62 | 4.13 | — | — |
| 1932 | 1.49 | 0.81 | *0.70 | 2.20 | 2.55 | 4.61 | 1.85 | 9.68 | 3.60 | *2.00 | *0.20 | *0.50 | 30.19 |
| 1933 | *0.20 | *0.08 | *2.10 | 2.08 | 1.20 | 1.02 | 2.72 | 3.85 | *4.50 | 0.34 | 1.11 | 0.05 | 19.25 |
| 1934 | 0.09 | 1.25 | *0.35 | 1.04 | 3.69 | 5.11 | 0.10 | 0.50 | 1.33 | 0.81 | 3.19 | *0.40 | 17.86 |
| 1935 | *0.04 | 0.57 | *0.95 | 1.88 | 5.58 | 5.91 | 0.51 | *6.00 | 5.24 | *2.60 | 2.04 | 0.31 | 31.63 |
| 1936 | 0.80 | 0.41 | 0.28 | 1.03 | 4.43 | 1.65 | 0.73 | 1.75 | 5.24 | 1.01 | 0.00 | 1.27 | 18.60 |
| 1937 | 1.52 | 0.50 | 1.60 | 0.46 | 1.75 | 5.71 | 4.61 | 0.50 | 0.82 | 2.02 | 0.37 | 0.48 | 20.34 |
| 1938 | 0.29 | 1.54 | 1.65 | 1.97 | 10.34 | 2.57 | 2.84 | 3.13 | 1.46 | 0.40 | 1.32 | 0.58 | 28.09 |
| 1939 | 0.52 | 0.70 | 1.37 | 2.52 | 2.35 | 4.50 | 0.54 | 4.30 | 1.00 | 0.80 | 1.01 | 0.52 | 20.13 |
| 1940 | 0.87 | 1.16 | 1.24 | 1.41 | 1.19 | 1.56 | 2.09 | 5.81 | 1.35 | 1.15 | 2.22 | 0.87 | 20.92 |
| 1941 | 1.30 | 0.81 | 0.90 | 1.69 | 2.72 | 4.30 | 1.06 | 2.87 | 6.08 | 7.48 | 0.65 | 2.03 | 31.89 |
| 1942 | 0.50 | 1.50 | 1.70 | 1.51 | 4.30 | 6.89 | 0.67 | 2.19 | 3.94 | 1.87 | 0.62 | 1.18 | 26.87 |
| 1943 | 0.17 | 0.93 | 0.95 | 1.71 | 4.72 | 7.31 | 2.92 | 1.20 | 0.92 | 1.56 | 0.36 | 1.11 | 23.86 |
| 1944 | 0.74 | 0.95 | 3.64 | 5.71 | 3.22 | 2.13 | 5.55 | 11.70 | 1.32 | 1.26 | 2.34 | 1.36 | 39.92 |
| 1945 | 0.79 | 1.51 | 1.56 | 7.06 | 9.08 | 5.82 | 6.17 | 1.61 | 3.60 | 0.26 | 0.14 | 1.28 | 38.88 |
| 1946 | 0.61 | 0.10 | 2.98 | 2.45 | 2.49 | 1.27 | 6.13 | 3.49 | 6.56 | 3.67 | 2.71 | 0.02 | 32.48 |
| Normal | 0.61 | 1.00 | 1.15 | 2.35 | 4.00 | 4.20 | 3.10 | 3.40 | 2.98 | 2.15 | 1.28 | 0.72 | 26.94 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

COLDWATER, COMANCHE COUNTY. — Elevation, 2,112 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|-------|------|--------|
| 1931 | 0.12 | 0.13 | 3.35 | 3.12 | 4.65 | 4.02 | 0.59 | 1.91 | 1.44 | 1.47 | 3.20 | 0.18 | 24.18 |
| 1932 | 0.57 | 0.55 | 0.51 | 1.88 | 2.10 | 7.33 | 4.19 | 5.71 | 2.36 | 0.38 | 0.10 | 0.38 | 26.06 |
| 1933 | 0.05 | 0.18 | T | 2.46 | 1.73 | 0.57 | 1.88 | 3.70 | 0.75 | 1.77 | 0.32 | 0.40 | 13.81 |
| 1934 | 0.20 | 0.68 | 1.40 | 0.46 | 2.49 | 3.14 | 0.64 | 1.82 | 4.88 | 1.29 | 1.60 | 0.90 | 19.50 |
| 1935 | 0.92 | 0.51 | 1.35 | 0.17 | 8.05 | 2.11 | 0.50 | 4.36 | 1.67 | 0.72 | 1.13 | 0.30 | 21.79 |
| 1936 | 0.32 | T | T | 0.72 | 6.65 | 3.30 | T | 0.13 | 4.28 | 1.73 | 0.00 | 0.93 | 18.06 |
| 1937 | 0.55 | 0.55 | 1.02 | 0.05 | 3.53 | 4.13 | 0.66 | 4.18 | 1.58 | 1.10 | 0.18 | 0.30 | 17.83 |
| 1938 | 0.00 | 0.98 | 1.47 | 3.22 | 9.27 | 2.56 | 3.95 | 0.91 | 1.51 | 0.09 | 0.10 | 0.30 | 24.36 |
| 1939 | 0.80 | 0.77 | 2.04 | 1.86 | 0.70 | 5.39 | 0.22 | 3.26 | 0.00 | 1.00 | 0.10 | 0.78 | 16.02 |
| 1940 | 0.65 | 1.21 | 0.06 | 2.21 | 3.22 | 3.08 | 1.05 | 7.07 | 2.01 | 1.11 | 2.44 | 0.95 | 25.06 |
| 1941 | 1.30 | 1.56 | 1.28 | 2.61 | 3.96 | 2.75 | 4.67 | 0.60 | 3.25 | 6.65 | 0.43 | 0.30 | 29.36 |
| 1942 | 0.14 | 0.86 | 1.53 | 4.52 | 0.70 | 4.58 | 3.34 | 9.21 | 1.02 | 6.10 | *0.14 | 1.49 | 35.63 |
| 1943 | 0.11 | 0.54 | 0.33 | 0.71 | 4.03 | 1.72 | 0.80 | 1.13 | 1.79 | 0.87 | 0.18 | 2.17 | 14.38 |
| 1944 | 0.84 | 1.43 | 1.03 | 4.88 | 3.94 | 0.93 | 3.96 | 4.17 | 1.41 | 2.03 | 1.31 | 1.66 | 27.59 |
| 1945 | 1.57 | 0.97 | 1.62 | 4.58 | 2.16 | 3.19 | 3.80 | 1.57 | 5.37 | 0.56 | 0.00 | 0.24 | 25.63 |
| 1946 | 0.48 | 2.52 | 0.93 | 1.64 | 2.65 | 1.13 | 0.13 | 4.63 | 1.16 | 4.29 | 2.06 | 0.73 | 22.35 |
| Normal | 0.36 | 0.83 | 1.06 | 2.20 | 3.60 | 3.64 | 2.51 | 2.75 | 2.61 | 1.86 | 1.21 | 0.68 | 23.31 |

CONCORDIA, CLOUD COUNTY. — Elevation, 1,394 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.10 | 1.46 | 1.38 | 3.38 | 3.83 | 0.58 | 3.04 | 5.18 | 1.96 | 2.50 | 2.61 | 0.91 | 26.93 |
| 1932 | 1.24 | 0.59 | 0.83 | 1.43 | 2.21 | 6.07 | 3.43 | 6.63 | 2.02 | 2.43 | 0.04 | 0.31 | 27.23 |
| 1933 | 0.19 | 0.11 | 1.97 | 2.48 | 1.55 | 1.34 | 3.94 | 3.30 | 3.47 | 0.06 | 0.84 | 0.74 | 19.99 |
| 1934 | 0.43 | 1.22 | 0.29 | 0.71 | 2.55 | 3.34 | 0.95 | 0.71 | 1.82 | 0.75 | 2.29 | 0.22 | 15.28 |
| 1935 | 0.07 | 0.67 | 0.47 | 0.72 | 6.20 | 7.58 | 1.23 | 5.83 | 7.14 | 2.14 | 1.29 | 0.18 | 33.52 |
| 1936 | 0.69 | 0.14 | 0.15 | 2.08 | 2.86 | 0.98 | 0.75 | 1.82 | 4.56 | 0.75 | T | 1.24 | 16.02 |
| 1937 | 1.76 | 0.32 | 2.21 | 0.46 | 1.85 | 2.28 | 4.06 | 1.98 | 1.64 | 1.58 | 0.20 | 0.14 | 18.48 |
| 1938 | 0.16 | 1.48 | 1.17 | 1.61 | 7.76 | 5.17 | 2.86 | 3.70 | 1.52 | 0.10 | 1.72 | 0.02 | 27.27 |
| 1939 | 0.40 | 1.17 | 1.93 | 2.57 | 3.56 | 3.33 | 0.34 | 4.37 | 0.60 | 0.60 | 0.48 | 0.54 | 19.89 |
| 1940 | 0.53 | 0.89 | 1.55 | 1.61 | 1.49 | 1.08 | 1.03 | 3.74 | 0.83 | 1.56 | 2.65 | 1.25 | 18.21 |
| 1941 | 1.15 | 0.89 | 1.04 | 1.27 | 1.81 | 6.50 | 1.78 | 2.88 | 4.45 | 5.87 | 0.83 | 1.97 | 30.44 |
| 1942 | 0.26 | 1.36 | 2.11 | 1.65 | 3.53 | 5.21 | 1.53 | 4.61 | 4.30 | 1.36 | 0.64 | 1.74 | 28.30 |
| 1943 | 0.18 | 0.68 | 0.72 | 2.29 | 5.41 | 7.38 | 1.98 | 0.71 | 2.36 | 1.43 | 0.40 | 0.59 | 24.13 |
| 1944 | 2.04 | 1.12 | 3.55 | 5.26 | 3.83 | 4.10 | 5.15 | 8.00 | 1.39 | 1.57 | 1.94 | 0.87 | 38.82 |
| 1945 | 0.60 | 1.10 | 1.13 | 4.73 | 7.33 | 4.38 | 4.04 | 1.55 | 2.29 | 0.29 | 0.23 | 1.01 | 28.68 |
| 1946 | 0.58 | 0.09 | 1.46 | 0.94 | 2.55 | 4.21 | 6.27 | 1.98 | 8.94 | 3.05 | 2.56 | 0.04 | 32.67 |
| Normal | 0.49 | 0.89 | 1.11 | 2.16 | 3.84 | 4.15 | 3.10 | 3.21 | 2.66 | 1.88 | 1.09 | 0.66 | 25.24 |

ELDORADO, BUTLER COUNTY. — Elevation, 1,291 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|-------|------|------|------|--------|
| 1931 | 0.43 | 1.07 | 2.47 | 2.44 | 2.45 | 7.72 | 1.06 | 1.94 | 5.13 | 1.24 | 6.77 | 0.51 | 33.23 |
| 1932 | 1.83 | 1.03 | 0.63 | 2.60 | 2.40 | 6.83 | 4.70 | 3.30 | 2.11 | 0.91 | 0.19 | 2.55 | 29.08 |
| 1933 | 0.13 | 0.13 | 1.43 | 1.38 | 5.29 | 0.51 | 3.35 | 5.79 | 0.82 | 1.70 | 0.35 | 1.34 | 22.22 |
| 1934 | 0.50 | 1.05 | 1.05 | 2.93 | 4.42 | 3.77 | 2.03 | 1.26 | 5.77 | 3.80 | 4.08 | 1.40 | 32.06 |
| 1935 | 0.49 | 1.07 | 1.04 | 2.09 | 13.03 | 4.93 | 0.69 | 3.05 | 1.68 | 5.22 | 3.99 | 0.31 | 37.59 |
| 1936 | 0.74 | 0.12 | T | 0.82 | 3.34 | 0.71 | 0.68 | 0.04 | 4.32 | 5.07 | 0.14 | 1.43 | 17.41 |
| 1937 | 1.31 | 1.24 | 2.35 | 1.79 | 4.72 | 3.02 | 8.85 | 2.41 | 2.08 | 0.93 | 1.22 | 0.94 | 30.86 |
| 1938 | 0.12 | 3.26 | 2.28 | 2.70 | 7.91 | 6.17 | 1.59 | 4.09 | 3.05 | 0.16 | 2.00 | 0.09 | 33.42 |
| 1939 | 1.18 | 1.53 | 1.42 | 1.99 | 1.71 | 6.43 | 0.71 | 4.60 | 0.55 | 0.69 | 0.57 | 0.49 | 21.87 |
| 1940 | 1.30 | 1.18 | 1.27 | 7.04 | 5.88 | 2.20 | 2.02 | 2.50 | 4.40 | 0.78 | 4.65 | 1.67 | 34.89 |
| 1941 | 2.53 | 0.91 | 0.77 | 2.75 | 3.14 | 8.39 | 2.06 | 7.02 | 7.21 | 5.77 | 1.09 | 0.52 | 42.16 |
| 1942 | 0.54 | 2.40 | 0.86 | 5.45 | 2.16 | 7.52 | 6.65 | 4.31 | 10.36 | 3.43 | 0.58 | 3.09 | 47.35 |
| 1943 | 0.10 | 0.94 | 1.15 | 1.28 | 8.54 | 5.60 | 3.45 | 1.66 | 3.15 | 1.48 | 0.08 | 2.74 | 30.17 |
| 1944 | 0.51 | 1.54 | 5.81 | 8.79 | 4.61 | 2.82 | 6.24 | 5.74 | 1.99 | 1.92 | 2.00 | 4.02 | 45.99 |
| 1945 | 0.68 | 0.66 | 3.74 | 7.11 | 0.99 | 4.21 | 6.46 | 3.28 | 11.85 | 0.65 | T | 0.90 | 40.53 |
| 1946 | 2.64 | 0.66 | 2.02 | 2.25 | 2.67 | 2.48 | 0.28 | 4.55 | 2.57 | 3.35 | 2.08 | 0.25 | 25.80 |
| Normal | 0.84 | 1.27 | 1.75 | 2.98 | 4.44 | 4.14 | 3.00 | 3.30 | 3.72 | 2.55 | 2.00 | 1.04 | 31.03 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

ELLIS, ELLIS COUNTY. — Elevation, 2,151 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1937 | *0.90 | 0.32 | 0.44 | 0.40 | 1.57 | 3.00 | 2.08 | 2.14 | 1.13 | 1.51 | 0.30 | 0.10 | 13.89 |
| 1938 | 0.11 | 0.60 | 1.63 | 2.59 | 7.11 | 3.64 | 1.71 | 0.37 | 1.21 | 0.22 | 0.41 | T | 19.60 |
| 1939 | 0.32 | 1.04 | 1.30 | 1.78 | 0.88 | 5.03 | 0.52 | 3.26 | 0.75 | 0.05 | 0.04 | 0.56 | 15.53 |
| 1940 | 0.46 | 0.20 | 0.97 | 1.67 | 2.65 | 1.29 | 4.84 | 2.58 | 2.55 | 0.48 | 2.11 | 0.68 | 20.48 |
| 1941 | 0.92 | 0.57 | 0.43 | 4.56 | 3.66 | 6.50 | 1.60 | 4.37 | 1.82 | 3.66 | 1.29 | 1.37 | 30.75 |
| 1942 | 0.26 | 0.93 | 1.63 | 5.03 | 1.77 | 4.86 | 2.34 | 4.63 | 1.72 | 1.42 | 0.23 | 1.61 | 26.43 |
| 1943 | 0.15 | 0.44 | 0.75 | 1.63 | 1.91 | 1.17 | 2.01 | 1.92 | 0.70 | 0.20 | 0.25 | 0.62 | 11.75 |
| 1944 | 1.52 | 1.01 | 2.16 | 3.89 | 3.19 | 0.79 | 4.80 | 3.85 | 0.70 | 1.47 | 1.06 | 0.75 | 25.19 |
| 1945 | 0.79 | 0.60 | 0.14 | 3.84 | 2.68 | 4.47 | 1.78 | 2.31 | 1.48 | 0.28 | T | 1.06 | 19.43 |
| 1946 | 0.31 | 0.23 | 2.97 | 1.11 | 4.22 | 1.57 | 1.70 | 3.58 | 2.45 | 4.14 | 1.93 | T | 24.21 |
| Normal | 0.32 | 0.75 | 0.87 | 2.20 | 3.45 | 4.00 | 2.90 | 3.00 | 2.30 | 1.38 | 0.88 | 0.64 | 22.69 |

ELLSWORTH, ELLSWORTH COUNTY. — Elevation, 1,537 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | 0.03 | 0.52 | 3.26 | 3.26 | 2.60 | 2.00 | 1.36 | 3.16 | 0.64 | 0.93 | 2.73 | 0.59 | 21.08 |
| 1932 | 1.37 | 0.90 | 1.50 | 2.26 | 2.26 | 3.86 | 2.74 | 4.98 | 3.02 | 0.83 | 0.23 | 0.88 | 24.83 |
| 1933 | T | 0.35 | 0.77 | 0.86 | 1.80 | 0.51 | 3.20 | 8.60 | 2.23 | 0.18 | 0.40 | 1.68 | 20.58 |
| 1934 | 0.40 | 1.54 | 0.23 | 0.40 | 2.50 | 2.47 | 1.67 | 1.01 | 1.95 | 0.25 | 1.35 | 0.33 | 14.10 |
| 1935 | 0.08 | 1.09 | 1.11 | 1.00 | 6.57 | 5.84 | 1.78 | 4.46 | 2.54 | 1.77 | 1.86 | 0.25 | 28.35 |
| 1936 | 1.10 | 0.45 | T | 1.23 | 3.68 | 0.82 | 0.47 | 0.92 | 5.44 | 0.98 | T | 1.07 | 16.16 |
| 1937 | 1.43 | 1.00 | 1.54 | 0.39 | 4.21 | 4.09 | 2.44 | 4.90 | 1.00 | 2.20 | 0.98 | 0.28 | 24.46 |
| 1938 | T | 0.96 | 1.87 | 2.82 | 9.72 | 3.74 | 1.28 | 2.40 | 1.61 | 0.09 | 0.47 | 0.02 | 24.98 |
| 1939 | 0.70 | 1.55 | 1.75 | 1.01 | 0.97 | 2.46 | 1.38 | 1.60 | 0.23 | 0.75 | 0.50 | 0.70 | 13.60 |
| 1940 | 1.23 | 1.32 | 0.66 | 2.34 | 4.19 | 1.74 | 1.43 | 1.90 | 5.41 | 1.37 | 3.07 | 1.13 | 25.79 |
| 1941 | 1.97 | 1.06 | 1.02 | 1.55 | 7.39 | 5.47 | 1.99 | 5.04 | 7.50 | 7.93 | 0.85 | 1.38 | 42.75 |
| 1942 | 0.65 | 1.00 | 1.90 | 5.22 | 2.42 | 6.96 | 1.51 | 8.78 | 7.47 | 3.60 | 0.64 | 2.15 | 42.30 |
| 1943 | 0.51 | 0.63 | 1.08 | 2.14 | 3.05 | 1.79 | 4.38 | 1.20 | 2.21 | 2.28 | 0.59 | 1.16 | 21.02 |
| 1944 | 0.82 | 1.75 | 2.94 | 6.49 | 3.21 | 2.29 | 3.58 | 4.97 | 1.57 | 1.88 | 1.43 | 1.68 | 32.61 |
| 1945 | 0.83 | 1.40 | 1.54 | 6.45 | 4.34 | 3.09 | 3.03 | 1.15 | 3.91 | 0.68 | T | 0.75 | 27.17 |
| 1946 | 0.58 | 0.35 | 2.34 | 2.37 | 5.58 | 1.07 | 3.80 | 1.74 | 4.99 | 3.80 | 3.02 | 0.02 | 29.66 |
| Normal | 0.64 | 1.16 | 1.40 | 2.40 | 3.64 | 4.30 | 2.64 | 3.38 | 2.81 | 1.81 | 1.32 | 0.83 | 26.33 |

ENTERPRISE, DICKINSON COUNTY. — Elevation, 1,137 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1934 | — | — | — | — | — | — | — | — | — | — | 3.00 | 0.36 | — |
| 1935 | 0.26 | 1.62 | 0.53 | 0.70 | 9.58 | 6.80 | 0.70 | 2.46 | 3.32 | 2.34 | 2.22 | 0.38 | 30.91 |
| 1936 | 0.58 | 0.11 | 0.21 | 2.12 | 7.33 | 0.83 | 0.23 | 0.57 | 5.00 | 1.77 | 0.10 | 0.68 | 19.53 |
| 1937 | 2.02 | 0.54 | 1.54 | 0.60 | 4.87 | 1.58 | 2.19 | 1.20 | 4.33 | 2.16 | 0.31 | 0.14 | 21.48 |
| 1938 | T | 0.87 | 1.83 | 1.32 | 5.27 | 5.62 | 1.63 | 3.31 | 1.02 | 0.00 | 2.55 | 0.05 | 23.47 |
| 1939 | 0.28 | 1.02 | 1.24 | 0.91 | 3.24 | 4.08 | 0.74 | 6.26 | 0.19 | 1.02 | 1.41 | 0.50 | 20.89 |
| 1940 | 0.39 | 1.24 | 0.84 | 2.01 | 7.10 | 3.26 | 0.05 | 2.81 | 2.25 | 1.36 | 3.65 | 0.89 | 25.85 |
| 1941 | 1.59 | 0.35 | 1.08 | 1.36 | 3.13 | 8.74 | 2.02 | 3.55 | 4.62 | 8.90 | 0.90 | 1.18 | 37.42 |
| 1942 | 0.35 | 0.64 | 1.30 | 4.11 | 4.52 | 8.67 | 0.38 | 3.41 | 7.36 | 3.30 | 0.51 | 1.79 | 36.34 |
| 1943 | 0.06 | 0.84 | 0.56 | 2.28 | 2.48 | 6.17 | 3.78 | 1.97 | 3.37 | 2.25 | 0.12 | 1.87 | 25.75 |
| 1944 | 0.44 | 0.80 | 4.89 | 8.25 | 1.64 | 2.14 | 6.46 | 7.25 | 1.47 | 1.27 | 2.37 | 2.50 | 39.48 |
| 1945 | 0.89 | 1.11 | 1.98 | 7.71 | 3.08 | 5.06 | 5.64 | 1.49 | 5.46 | 0.55 | 0.07 | 0.69 | 33.73 |
| 1946 | 1.10 | 0.50 | 1.89 | 1.51 | 6.36 | 3.56 | 1.17 | 4.38 | 4.82 | 3.59 | 1.70 | 0.33 | 30.91 |
| Normal | 0.63 | 1.02 | 1.40 | 2.40 | 4.01 | 4.57 | 2.70 | 3.40 | 3.26 | 2.17 | 1.56 | 0.80 | 27.92 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

FLORENCE, MARION COUNTY. -- Elevation, 1,269 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|-------|------|------|------|--------|
| 1931 | 0.52 | 0.79 | 2.51 | 2.08 | 2.97 | 4.23 | 0.51 | 2.59 | 3.98 | 1.22 | 5.93 | 0.48 | 27.81 |
| 1932 | 0.97 | 0.80 | 1.37 | 1.53 | 3.61 | 5.55 | 5.68 | 3.82 | 2.29 | 0.61 | 0.27 | 1.60 | 28.10 |
| 1933 | 0.06 | 0.21 | 2.19 | 1.75 | 3.60 | 0.58 | 3.83 | 3.56 | 1.64 | 1.90 | 0.52 | 1.30 | 21.14 |
| 1934 | 0.42 | 1.02 | 1.15 | 0.90 | 4.74 | 2.69 | 2.53 | 0.77 | 5.78 | 1.61 | 2.56 | 0.86 | 25.03 |
| 1935 | 0.43 | 1.34 | 0.92 | 1.16 | 9.88 | 5.19 | 0.40 | 3.65 | 2.02 | 5.94 | 2.59 | 0.10 | 33.62 |
| 1936 | 0.74 | 0.16 | 0.06 | 0.68 | 4.01 | 0.70 | 0.55 | 1.46 | 6.53 | 3.72 | 0.07 | 0.87 | 19.55 |
| 1937 | 2.01 | 0.38 | 2.30 | 1.41 | 4.46 | 3.08 | 2.83 | 3.10 | 2.26 | 0.92 | 1.65 | 0.67 | 25.57 |
| 1938 | 0.07 | 1.58 | 2.23 | 2.38 | 11.26 | 7.72 | 2.48 | 6.30 | 1.92 | 0.31 | 2.60 | 0.06 | 38.91 |
| 1939 | 0.53 | 1.59 | 1.20 | 0.89 | 1.54 | 5.59 | 3.86 | 6.85 | 0.23 | 1.07 | 1.00 | 0.81 | 25.16 |
| 1940 | 0.71 | 1.50 | 1.15 | 4.95 | 3.32 | 2.28 | 0.55 | 2.82 | 6.59 | 1.29 | 3.62 | 1.25 | 30.03 |
| 1941 | 2.24 | 1.04 | 1.29 | 1.76 | 1.20 | 8.87 | 4.38 | 6.94 | 8.01 | 6.48 | 0.93 | 0.59 | 43.73 |
| 1942 | 0.41 | 1.13 | 1.02 | 4.07 | 1.78 | 6.81 | 1.23 | 5.15 | 7.05 | 3.52 | 0.64 | 3.07 | 35.88 |
| 1943 | 0.13 | 0.63 | 1.18 | 1.50 | 4.86 | 4.75 | 4.06 | 0.30 | 3.86 | 4.84 | 0.17 | 2.47 | 28.75 |
| 1944 | 0.57 | 1.34 | 5.76 | 7.56 | 3.71 | 2.29 | 3.87 | 4.95 | 3.06 | 2.92 | 4.36 | 4.17 | 44.56 |
| 1945 | 0.85 | 0.98 | 1.51 | 8.47 | 1.14 | 4.36 | 6.24 | 1.70 | 10.07 | 0.61 | 0.08 | 0.87 | 36.88 |
| 1946 | 1.72 | 0.74 | 1.54 | 0.74 | 3.60 | 7.70 | 0.26 | 4.60 | 4.07 | 3.34 | 1.32 | 1.55 | 31.18 |
| Normal | 0.82 | 1.10 | 1.65 | 2.67 | 4.40 | 4.57 | 3.00 | 3.75 | 3.60 | 2.58 | 1.92 | 0.96 | 31.02 |

GENESEO, RICE COUNTY. -- Elevation, 1,755 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1939 | -- | -- | 1.06 | 0.45 | 1.68 | 3.41 | 3.29 | 5.75 | 0.08 | 0.33 | 0.82 | 0.72 | -- |
| 1940 | 0.49 | 1.06 | 0.97 | 3.14 | 3.25 | 1.33 | 1.15 | 2.31 | 2.78 | 0.79 | 2.54 | 1.34 | 21.15 |
| 1941 | 1.74 | 0.77 | 0.98 | 1.20 | 3.76 | 3.41 | 2.84 | 3.22 | 6.50 | 9.89 | 0.78 | 1.42 | 36.45 |
| 1942 | 0.14 | 0.91 | 1.48 | 6.10 | 3.67 | 8.30 | 1.92 | 4.63 | 3.13 | 4.61 | 0.43 | 1.72 | 37.04 |
| 1943 | 0.20 | 0.54 | 1.00 | 1.73 | 4.06 | 3.39 | 4.33 | 1.19 | 2.31 | 2.55 | 0.17 | 1.22 | 22.69 |
| 1944 | 0.73 | 1.43 | 3.02 | 6.62 | 3.69 | 3.25 | 5.27 | 7.54 | 3.63 | 0.92 | 1.47 | 2.52 | 40.09 |
| 1945 | 1.13 | 1.13 | 1.40 | 5.84 | 2.05 | 3.27 | 1.98 | 4.09 | 3.69 | 0.77 | 0.03 | 0.92 | 26.35 |
| 1946 | 0.85 | 0.50 | 2.25 | 1.07 | 2.76 | 1.70 | 1.55 | 2.50 | 2.27 | 3.85 | 2.60 | 0.15 | 22.05 |
| Normal | 0.62 | 0.98 | 1.40 | 2.41 | 3.95 | 4.15 | 2.70 | 3.32 | 2.70 | 1.80 | 1.36 | 0.74 | 26.13 |

GREAT BEND, BARTON COUNTY. -- Elevation, 1,863 feet

| | | | | | | | | | | | | | |
|--------|-------|-------|-------|------|-------|------|------|------|------|------|-------|------|-------|
| 1931 | 0.08 | 0.14 | 3.77 | 2.76 | 2.18 | 1.34 | 1.01 | 1.73 | 0.93 | 0.66 | 2.50 | 0.46 | 17.56 |
| 1932 | 1.21 | 0.38 | 0.77 | 0.97 | 4.55 | 7.97 | 2.02 | 1.55 | 1.43 | 0.72 | 0.08 | 0.22 | 21.87 |
| 1933 | T | 0.21 | 0.16 | 1.36 | 2.34 | 0.64 | 1.65 | 6.57 | 0.95 | 0.50 | 0.56 | 1.00 | 15.94 |
| 1934 | 0.45 | 1.30 | 0.08 | 0.64 | 3.33 | 3.34 | 0.92 | 2.83 | 2.51 | 0.63 | 1.22 | T | 17.25 |
| 1935 | *0.30 | *0.69 | *0.58 | 0.27 | 7.17 | 4.94 | 0.58 | 1.58 | 1.54 | 0.64 | 1.88 | 0.15 | 20.32 |
| 1936 | 0.62 | 0.08 | T | 0.57 | 4.16 | 1.38 | 0.38 | 0.62 | 4.53 | 1.31 | 0.00 | 1.07 | 14.72 |
| 1937 | 0.80 | 0.72 | 0.74 | 0.15 | 4.12 | 1.70 | 4.24 | 1.54 | 0.68 | 1.38 | 0.35 | 0.37 | 16.59 |
| 1938 | 0.00 | 1.28 | 2.18 | 2.39 | 8.06 | 4.94 | 1.02 | 1.70 | 2.20 | 0.02 | 0.24 | 0.00 | 24.03 |
| 1939 | 1.19 | 1.51 | 1.03 | 0.63 | 1.19 | 6.46 | 0.99 | 5.09 | 0.29 | 0.48 | 0.78 | 0.73 | 20.37 |
| 1940 | 0.80 | 1.04 | 0.93 | 3.25 | 3.81 | 0.58 | 3.11 | 3.62 | 2.21 | 0.64 | 2.21 | 1.28 | 23.48 |
| 1941 | 1.30 | 1.03 | 0.78 | 2.21 | 4.20 | 6.34 | 4.09 | 4.59 | 2.38 | 5.88 | 0.69 | 0.76 | 34.25 |
| 1942 | 0.19 | 0.81 | 1.41 | 4.11 | 2.94 | 7.65 | 1.53 | 5.68 | 2.91 | 3.33 | 0.26 | 1.26 | 32.08 |
| 1943 | 0.12 | 0.42 | 1.29 | 1.23 | 1.80 | 1.79 | 4.96 | 1.94 | 2.15 | 3.23 | 0.20 | 1.63 | 20.76 |
| 1944 | 1.02 | 1.23 | 2.85 | 6.19 | 4.13 | 4.07 | 6.42 | 6.16 | 1.78 | 1.64 | *1.10 | 1.76 | 38.35 |
| 1945 | 1.02 | 1.37 | 0.96 | 4.29 | 1.92 | 3.54 | 3.35 | 1.86 | 1.89 | 1.71 | T | 0.44 | 22.35 |
| 1946 | 0.39 | 0.50 | 1.42 | 1.40 | *2.22 | 1.68 | 1.06 | 1.27 | 1.90 | 4.51 | 2.40 | T | 18.75 |
| Normal | 0.44 | 0.93 | 1.03 | 2.15 | 3.59 | 3.89 | 2.90 | 3.31 | 2.30 | 1.66 | 1.34 | 0.64 | 24.18 |

GREENLEAF, WASHINGTON COUNTY. -- Elevation, 1,412 feet

| | | | | | | | | | | | | | |
|--------|-------|-------|------|------|-------|------|------|------|-------|------|------|------|-------|
| 1941 | *1.15 | *0.75 | 0.81 | 1.59 | 4.97 | 6.67 | 1.32 | 2.14 | 3.70 | 7.77 | 0.88 | 1.82 | 33.57 |
| 1942 | 0.48 | 1.74 | 3.42 | 1.92 | 5.03 | 7.36 | 0.88 | 5.11 | 5.22 | 1.93 | 0.30 | 1.27 | 34.66 |
| 1943 | 0.22 | 1.56 | 1.01 | 1.37 | 4.02 | 6.66 | 3.61 | 0.70 | 1.70 | 1.87 | 0.27 | 0.90 | 23.89 |
| 1944 | 1.05 | 1.14 | 3.38 | 5.90 | 3.00 | 3.83 | 7.21 | 9.63 | 1.78 | 1.17 | 1.94 | 1.07 | 41.10 |
| 1945 | 0.65 | 1.70 | 2.68 | 5.12 | 12.96 | 5.80 | 7.59 | 1.25 | *2.92 | 0.28 | 0.14 | 1.20 | 42.29 |
| 1946 | *0.63 | 0.20 | 2.60 | 1.61 | 1.95 | 1.77 | 8.55 | 2.17 | 7.89 | 3.07 | 2.15 | 0.03 | 32.62 |
| Normal | 0.60 | 0.98 | 1.20 | 2.50 | 4.00 | 4.24 | 3.20 | 3.55 | 3.04 | 2.25 | 1.31 | 0.74 | 27.61 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

GREENSBURG, KIOWA COUNTY. — Elevation, 2,235 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | T | 0.63 | 3.63 | 2.01 | 3.51 | 1.63 | 1.86 | 4.55 | 1.58 | 1.02 | 2.24 | 0.39 | 23.05 |
| 1932 | 0.90 | 0.44 | 0.43 | 1.76 | 2.04 | 6.17 | 1.48 | 3.26 | 1.16 | 0.45 | 0.09 | 0.34 | 18.52 |
| 1933 | 0.05 | 0.11 | 0.17 | 3.36 | 2.06 | 1.26 | 0.50 | 2.91 | 1.12 | 0.72 | 0.43 | 0.38 | 13.07 |
| 1934 | 0.44 | 1.42 | 0.80 | 0.59 | 1.58 | 3.33 | 0.11 | 2.53 | 4.81 | 1.85 | 1.33 | 0.12 | 18.91 |
| 1935 | 0.78 | 0.52 | 0.67 | 0.18 | 8.71 | 3.63 | 1.16 | 1.70 | 1.62 | 1.50 | 1.16 | 0.11 | 21.74 |
| 1936 | 0.64 | 0.02 | 0.05 | 1.08 | 4.44 | 2.08 | 0.67 | 0.31 | 4.03 | 1.21 | T | 0.98 | 15.51 |
| 1937 | 0.93 | 0.54 | 1.33 | 0.24 | 6.70 | 3.72 | 1.50 | 1.22 | 0.63 | 1.19 | 0.08 | 0.21 | 18.29 |
| 1938 | T | 1.48 | 1.44 | 3.50 | 6.41 | 3.32 | 3.35 | 0.86 | 2.33 | 0.06 | 0.62 | 0.11 | 23.48 |
| 1939 | 0.68 | 1.01 | 0.91 | 1.35 | 0.61 | 1.96 | 0.28 | 2.38 | 0.09 | 0.12 | 0.45 | 0.67 | 10.51 |
| 1940 | 0.47 | 0.71 | 0.10 | 2.40 | 5.01 | 2.76 | 1.41 | 4.58 | 3.60 | 0.20 | 2.63 | 0.87 | 24.74 |
| 1941 | 1.12 | 1.43 | 1.11 | 2.90 | 2.54 | 4.69 | 3.29 | 1.01 | 1.62 | 6.52 | 0.53 | 0.22 | 26.98 |
| 1942 | 0.07 | 0.68 | 1.16 | 5.40 | 0.85 | 3.86 | 3.51 | 5.24 | 2.08 | 5.18 | 0.32 | 1.15 | 29.50 |
| 1943 | 0.13 | 0.40 | 0.26 | 0.78 | 2.09 | 1.90 | 3.40 | 1.78 | 1.70 | 1.44 | 0.22 | 2.95 | 17.05 |
| 1944 | 0.52 | 1.09 | 1.05 | 5.90 | 4.39 | 1.09 | 2.57 | 6.52 | 2.11 | 1.40 | 0.98 | 1.71 | 29.33 |
| 1945 | 1.39 | 1.67 | 1.07 | 5.43 | 2.19 | 2.49 | 1.86 | 1.84 | 3.39 | 1.02 | 0.01 | 0.35 | 22.71 |
| 1946 | 0.46 | 2.22 | 1.21 | 1.03 | 2.15 | 0.72 | 0.65 | 2.49 | 0.54 | 3.63 | 2.97 | 0.12 | 18.19 |
| Normal | 0.43 | 0.80 | 1.00 | 2.16 | 3.32 | 3.24 | 2.50 | 2.60 | 2.52 | 1.60 | 1.31 | 0.67 | 22.15 |

HANOVER (1), WASHINGTON COUNTY. — Elevation, 1,225 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|-------|------|------|------|------|------|------|-------|
| 1931 | 0.15 | 0.59 | 1.23 | 3.08 | 3.14 | 0.91 | 2.41 | 3.97 | 6.45 | 3.70 | 3.51 | 1.41 | 30.55 |
| 1932 | 1.37 | 0.95 | 0.67 | 1.16 | 2.42 | 3.40 | 3.56 | 6.94 | 2.73 | 1.46 | 0.05 | 0.85 | 25.56 |
| 1933 | 0.27 | 0.08 | 2.36 | 1.47 | 3.02 | 0.37 | 3.14 | 6.78 | 5.33 | 0.03 | 0.26 | 0.71 | 23.82 |
| 1934 | 0.11 | 0.78 | 0.42 | 0.31 | 1.99 | 2.48 | 0.25 | 1.06 | 2.61 | 1.06 | 3.13 | 0.49 | 14.69 |
| 1935 | 0.03 | 0.69 | 1.05 | 1.32 | 6.57 | 7.03 | 1.00 | 3.54 | 3.23 | 2.98 | 2.66 | 0.13 | 30.23 |
| 1936 | 0.85 | 0.25 | 0.08 | 1.96 | 4.45 | 1.97 | 0.50 | 1.83 | 4.72 | 1.15 | 0.02 | 0.86 | 18.64 |
| 1937 | 1.56 | 0.52 | 2.79 | 1.00 | 1.86 | 4.65 | 3.42 | 1.53 | 1.14 | 2.07 | 0.39 | 0.23 | 21.16 |
| 1938 | 0.31 | 1.43 | 2.00 | 2.60 | 9.35 | 5.55 | 6.93 | 2.73 | 1.30 | 0.76 | 2.13 | 0.13 | 35.22 |
| 1939 | 0.41 | 0.87 | 1.12 | 5.52 | 1.42 | 7.36 | 2.65 | 5.95 | 0.73 | 1.51 | 0.91 | 0.80 | 29.25 |
| 1940 | 0.60 | 1.23 | 1.46 | 1.75 | 1.11 | 2.06 | 0.63 | 5.74 | 0.68 | 1.10 | 1.85 | 0.98 | 19.19 |
| 1941 | 1.27 | 0.55 | 0.79 | 1.79 | 1.42 | 7.06 | 1.61 | 2.24 | 4.60 | 6.35 | 0.73 | 1.55 | 30.53 |
| 1942 | 0.50 | 1.19 | 2.48 | 2.14 | 4.79 | 7.55 | 1.02 | 3.89 | 3.71 | 1.52 | 0.54 | 1.24 | 30.57 |
| 1943 | 0.10 | 1.14 | 0.91 | 1.54 | 4.98 | 10.35 | 3.65 | 2.46 | 1.37 | 1.97 | 0.48 | 0.64 | 29.59 |
| 1944 | 0.81 | 0.96 | 2.70 | 4.84 | 2.95 | 9.97 | 4.62 | 7.97 | 2.80 | 1.21 | 2.48 | 0.85 | 42.16 |
| 1945 | 0.61 | 1.72 | 1.82 | 4.52 | 9.63 | 2.99 | 8.36 | 1.33 | 2.56 | 1.46 | 0.26 | 1.48 | 36.74 |
| 1946 | 0.74 | 0.07 | 3.02 | 1.33 | 3.25 | 3.25 | 7.22 | 3.22 | 3.69 | 3.81 | 1.86 | 0.03 | 31.49 |
| Normal | 0.55 | 0.95 | 1.37 | 2.58 | 4.13 | 4.29 | 3.43 | 3.70 | 3.11 | 2.38 | 1.34 | 0.77 | 28.60 |

HANOVER (2), WASHINGTON COUNTY. — Elevation, 1,250 feet

| | | | | | | | | | | | | | |
|--------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| 1940 | — | 1.38 | 1.79 | 1.83 | 1.35 | 2.32 | 0.55 | 5.37 | 1.27 | 0.85 | 2.08 | 1.06 | — |
| 1941 | 0.90 | 0.43 | *0.83 | 1.66 | 1.89 | 6.40 | 1.48 | 2.25 | 4.48 | 8.61 | 0.76 | 1.53 | 31.22 |
| 1942 | 0.83 | 1.73 | 2.10 | 1.85 | 4.91 | 7.34 | 0.80 | 4.65 | 4.07 | 1.77 | 0.45 | 1.25 | 31.75 |
| 1943 | 0.15 | 0.94 | 0.91 | 1.44 | 4.16 | 10.86 | 4.64 | 1.46 | 1.54 | 1.93 | 0.42 | 0.75 | 29.20 |
| 1944 | 0.59 | 0.73 | 2.53 | 5.14 | 2.58 | 6.95 | 6.42 | 8.56 | 3.27 | 1.21 | 2.34 | 0.94 | 41.26 |
| 1945 | 0.43 | 1.31 | 1.70 | 4.95 | 11.55 | 4.71 | 4.02 | 1.04 | 3.25 | 1.43 | 0.22 | 1.33 | 35.74 |
| 1946 | 0.52 | 0.06 | 3.01 | 0.89 | 3.04 | 3.57 | 7.36 | 2.89 | 4.06 | 3.31 | 1.95 | 0.07 | 30.73 |
| Normal | 0.55 | 0.95 | 1.37 | 2.58 | 4.13 | 4.29 | 3.43 | 3.70 | 3.11 | 2.38 | 1.34 | 0.77 | 28.60 |

HAYS, ELLIS COUNTY. — Elevation, 2,000 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | 0.02 | 0.21 | 3.76 | 3.33 | 1.85 | 5.50 | 1.35 | 3.23 | 0.24 | 1.57 | 3.76 | 0.54 | 26.06 |
| 1932 | 1.82 | 0.50 | 0.82 | 2.32 | 3.28 | 8.57 | 2.03 | 5.19 | 5.14 | 1.69 | 0.12 | 0.18 | 31.66 |
| 1933 | 0.07 | 0.21 | 0.33 | 2.14 | 2.82 | 1.07 | 2.12 | 2.73 | 2.03 | 0.03 | 0.54 | 2.17 | 16.26 |
| 1934 | 0.29 | 1.16 | 0.45 | 0.37 | 1.55 | 5.15 | 0.54 | 2.78 | 2.48 | 0.52 | 0.75 | 0.02 | 16.06 |
| 1935 | T | 0.28 | 0.15 | 0.21 | 6.27 | 5.10 | 0.01 | 1.98 | 4.52 | 0.98 | 2.17 | 0.20 | 21.87 |
| 1936 | 0.15 | 0.20 | 0.11 | 1.02 | 5.47 | 0.71 | 0.74 | 2.15 | 2.21 | 2.64 | T | 0.50 | 15.90 |
| 1937 | 0.94 | 0.39 | 0.43 | 0.38 | 1.49 | 2.68 | 4.94 | 2.82 | 1.62 | 1.59 | 0.40 | 0.18 | 17.86 |
| 1938 | 0.06 | 0.65 | 1.87 | 2.58 | 8.21 | 2.73 | 1.08 | 2.47 | 2.13 | 0.03 | 0.30 | T | 22.11 |
| 1939 | 0.48 | 1.05 | 0.98 | 1.65 | 1.00 | 4.71 | 1.04 | 3.53 | 0.42 | 0.18 | 0.11 | 0.70 | 15.85 |
| 1940 | 0.72 | 0.35 | 0.83 | 1.57 | 2.41 | 2.36 | 4.21 | 3.70 | 3.14 | 0.62 | 2.58 | 0.82 | 22.91 |
| 1941 | 1.08 | 0.85 | 0.58 | 4.61 | 3.86 | 6.40 | 0.63 | 4.14 | 3.02 | 2.35 | 0.54 | 1.07 | 28.13 |
| 1942 | 0.12 | 1.02 | 1.83 | 4.74 | 4.92 | 7.04 | 2.90 | 2.88 | 0.94 | 1.91 | 0.09 | 1.22 | 29.61 |
| 1943 | 0.09 | 0.79 | 0.75 | 1.45 | 2.52 | 1.01 | 2.83 | 2.69 | 2.32 | 0.68 | 0.36 | 0.70 | 16.19 |
| 1944 | 1.07 | 1.72 | 2.06 | 4.71 | 2.77 | 1.08 | 6.78 | 5.43 | 0.44 | 1.33 | 1.38 | 0.93 | 29.70 |
| 1945 | 0.68 | 0.67 | 0.08 | 3.63 | 3.78 | 5.29 | 1.67 | 1.69 | 1.40 | 0.36 | 0.02 | 1.07 | 20.34 |
| 1946 | 0.35 | 0.29 | 1.48 | 1.03 | 6.47 | 1.05 | 2.18 | 1.73 | 4.92 | 3.98 | 2.95 | 0.05 | 26.48 |
| Normal | 0.34 | 0.77 | 0.88 | 2.21 | 3.51 | 4.09 | 2.87 | 3.08 | 2.27 | 1.44 | 0.95 | 0.64 | 23.05 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

HERINGTON, DICKINSON COUNTY. — Elevation, 1,328 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|-------|-------|------|------|-------|------|-------|-------|------|------|--------|
| 1931 | 0.10 | 0.90 | 2.20 | 1.96 | 2.48 | 2.18 | 1.83 | 4.33 | 2.69 | 2.03 | 6.83 | 0.29 | 27.82 |
| 1932 | 0.95 | 0.39 | 0.97 | 1.34 | 5.08 | 7.62 | 6.77 | 6.23 | 2.68 | 0.65 | 0.23 | 0.96 | 33.87 |
| 1933 | T | 0.28 | 2.25 | 1.63 | 2.84 | 0.00 | 2.73 | 5.47 | 3.97 | 0.38 | 0.37 | 1.09 | 21.01 |
| 1934 | 0.70 | 1.25 | 0.83 | 0.73 | 3.89 | 3.95 | 1.25 | 0.23 | 4.73 | 0.39 | 4.19 | 0.31 | 22.45 |
| 1935 | 0.40 | 1.40 | 0.72 | 0.65 | 6.92 | 7.34 | 0.73 | 3.15 | 2.35 | 3.37 | 2.73 | 0.17 | 29.93 |
| 1936 | 0.90 | 0.10 | *0.28 | *0.73 | 8.35 | 0.86 | *0.50 | 0.57 | 3.48 | 1.76 | 0.00 | 0.78 | 18.31 |
| 1937 | 2.01 | 0.80 | 1.14 | 1.32 | 3.36 | 0.75 | 1.47 | 0.78 | 3.86 | 1.39 | 0.53 | 0.27 | 17.68 |
| 1938 | 0.03 | 1.12 | 1.27 | 2.31 | 6.08 | 5.19 | 0.86 | 2.55 | 1.89 | T | 3.59 | 0.12 | 25.01 |
| 1939 | 0.49 | 1.66 | 1.01 | 1.05 | 4.14 | 6.47 | 0.54 | 3.41 | 0.29 | 0.79 | 1.50 | 1.04 | 22.39 |
| 1940 | 0.60 | 1.27 | 0.55 | 3.04 | 3.79 | 4.25 | T | 6.03 | 4.10 | 1.82 | 4.14 | 0.94 | 30.53 |
| 1941 | 2.48 | 0.46 | 1.29 | 2.11 | 1.76 | 8.79 | 2.19 | 6.66 | 6.33 | 11.80 | 0.68 | 0.69 | 45.24 |
| 1942 | 0.17 | 1.46 | 0.87 | 3.26 | 3.46 | 9.47 | 0.66 | 5.68 | 5.16 | 3.39 | 0.55 | 2.54 | 36.87 |
| 1943 | 0.06 | 1.05 | 1.03 | 2.34 | 4.75 | 4.88 | 4.43 | 0.58 | 2.91 | 2.07 | 0.26 | 1.99 | 26.35 |
| 1944 | 0.80 | 1.18 | 5.30 | 9.27 | 3.12 | 1.53 | 7.27 | 7.69 | *2.50 | 2.37 | 2.96 | 2.27 | 46.90 |
| 1945 | 0.96 | 1.44 | 1.43 | 7.50 | 3.44 | 3.96 | 8.94 | 1.34 | 7.75 | 0.68 | 0.07 | 0.75 | 38.26 |
| 1946 | 1.95 | 0.50 | 1.96 | 2.09 | 4.33 | 3.31 | 1.18 | 4.21 | 3.45 | 3.35 | 1.28 | 1.34 | 28.95 |
| Normal | 0.70 | 1.04 | 1.67 | 2.65 | 4.22 | 4.80 | 3.00 | 3.46 | 3.48 | 2.39 | 1.68 | 0.90 | 29.99 |

HOISINGTON (NEAR), BARTON COUNTY. — Elevation, 1,860 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1934 | — | — | — | — | — | — | — | — | 2.06 | 0.76 | 1.16 | T | — |
| 1935 | 0.22 | 0.65 | 0.63 | 0.32 | 8.50 | 5.94 | 0.07 | 2.21 | 3.40 | 0.86 | 2.07 | 0.05 | 24.92 |
| 1936 | 0.57 | 0.36 | T | 0.52 | 5.21 | 1.25 | 0.59 | 0.87 | 4.80 | 1.12 | 0.00 | 1.00 | 16.29 |
| 1937 | 1.04 | 0.97 | 1.13 | 0.21 | 3.58 | 1.29 | 4.35 | 2.49 | 1.34 | 1.50 | 0.41 | 0.21 | 18.52 |
| 1938 | T | 1.01 | 2.13 | 2.72 | 8.77 | 4.30 | 2.08 | 1.33 | 1.60 | 0.02 | 1.06 | T | 25.02 |
| 1939 | 1.17 | 1.03 | 1.09 | 0.62 | 0.77 | 6.20 | 1.22 | 4.59 | 0.15 | 0.56 | 0.81 | 0.76 | 18.97 |
| 1940 | 0.76 | 1.31 | 0.83 | 3.02 | 3.94 | 1.47 | 3.12 | 3.48 | 2.76 | 1.49 | 2.39 | 1.33 | 25.90 |
| 1941 | 1.33 | 1.03 | 0.94 | 2.60 | 4.36 | 5.98 | 1.85 | 3.44 | 2.12 | 5.24 | 0.69 | 0.74 | 30.32 |
| 1942 | 0.11 | 0.86 | 1.40 | 4.26 | 3.36 | 8.30 | 1.71 | 5.20 | 2.46 | 2.90 | 0.31 | 0.76 | 31.63 |
| 1943 | 0.06 | 0.44 | 0.41 | 1.12 | 1.21 | 1.24 | 3.37 | 2.36 | 1.56 | 1.78 | 0.23 | 1.32 | 15.10 |
| 1944 | 0.74 | 1.15 | 0.98 | 6.00 | 3.28 | 2.04 | 6.79 | 7.47 | 1.41 | 1.38 | 1.08 | 1.32 | 33.64 |
| 1945 | 0.73 | 0.85 | 0.85 | 4.49 | 2.31 | 4.33 | 2.03 | 2.01 | 3.28 | 1.69 | 0.02 | 0.18 | 22.77 |
| 1946 | 0.46 | 0.48 | 1.31 | 0.71 | 2.37 | 0.99 | 1.15 | 1.24 | 2.48 | 4.16 | 2.59 | T | 17.94 |
| Normal | 0.44 | 0.92 | 1.03 | 2.15 | 3.50 | 3.90 | 2.90 | 3.31 | 2.31 | 1.60 | 1.30 | 0.64 | 24.00 |

HUDSON, STAFFORD COUNTY. — Elevation, 1,867 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.19 | 0.28 | 3.67 | 1.73 | 3.20 | 1.33 | 0.54 | 1.80 | 3.33 | 0.87 | 2.53 | 0.42 | 19.89 |
| 1932 | 1.38 | 0.50 | 0.69 | 1.36 | 2.46 | 5.79 | 0.68 | 1.81 | 1.62 | 0.37 | T | 0.48 | 17.14 |
| 1933 | T | 0.22 | 0.63 | 4.59 | 2.69 | 0.02 | 0.91 | 4.98 | 1.17 | 0.26 | 0.38 | 1.20 | 17.05 |
| 1934 | 0.29 | 1.53 | 0.37 | 0.72 | 3.85 | 3.10 | T | 1.97 | 3.89 | 1.53 | 1.23 | 0.11 | 18.59 |
| 1935 | 0.40 | 0.64 | 0.78 | 0.30 | 6.86 | 6.45 | 0.45 | 1.14 | 1.97 | 0.90 | 1.27 | T | 21.16 |
| 1936 | 0.80 | 0.09 | 0.00 | 1.02 | 4.82 | 1.36 | 0.33 | 0.19 | 3.09 | 1.58 | T | 0.89 | 14.17 |
| 1937 | 1.75 | 0.74 | 0.86 | 0.45 | 4.68 | 2.23 | 5.38 | 3.46 | 2.16 | 0.69 | 0.39 | 0.31 | 23.30 |
| 1938 | 0.00 | 1.20 | 1.84 | 2.51 | 8.52 | 4.83 | 3.47 | 4.22 | 3.06 | T | 0.12 | T | 29.77 |
| 1939 | 0.83 | 1.31 | 0.74 | 0.78 | 2.23 | 5.20 | 1.19 | 4.37 | 0.08 | 0.27 | 0.63 | 0.96 | 18.59 |
| 1940 | 0.74 | 1.42 | 0.43 | 4.85 | 3.99 | 1.05 | 4.95 | 3.03 | 2.20 | 0.72 | 2.38 | 1.38 | 27.14 |
| 1941 | 0.67 | 1.27 | 0.67 | 1.14 | 3.08 | 7.59 | 1.48 | 3.64 | 1.57 | 5.67 | 0.62 | 0.42 | 27.82 |
| 1942 | 0.23 | 0.94 | 1.70 | 4.29 | 2.54 | 8.68 | 2.71 | 2.91 | 3.01 | 5.23 | 0.14 | 1.38 | 33.76 |
| 1943 | 0.10 | 0.40 | 0.53 | 2.19 | 3.14 | 2.61 | 2.83 | 2.58 | 1.82 | 1.63 | 0.13 | 2.26 | 20.22 |
| 1944 | 0.56 | 1.19 | 1.41 | 7.23 | 4.27 | 1.27 | 5.25 | 5.66 | 3.50 | 0.41 | 1.15 | 2.64 | 34.54 |
| 1945 | 1.58 | 1.79 | 2.00 | 5.72 | 0.96 | 4.34 | 5.86 | 2.72 | 2.15 | 1.89 | 0.04 | 0.38 | 29.43 |
| 1946 | 0.54 | 1.02 | 1.00 | 0.83 | 3.80 | 0.38 | 0.55 | 1.65 | 1.79 | 3.40 | 2.40 | 0.25 | 17.61 |
| Normal | 0.52 | 0.86 | 1.11 | 2.17 | 3.88 | 3.71 | 2.94 | 3.25 | 2.40 | 1.79 | 1.31 | 0.64 | 24.58 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

HUTCHINSON, RENO COUNTY. — Elevation, 1,535 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|------|------|------|------|--------|
| 1931 | 0.27 | 0.29 | 3.03 | 1.95 | 2.67 | 1.84 | 0.74 | 2.79 | 4.63 | 1.39 | 5.02 | 0.66 | 25.28 |
| 1932 | 1.42 | 0.92 | 1.15 | 1.53 | 3.89 | 5.74 | 2.19 | 2.95 | 1.30 | 0.50 | 0.06 | 1.03 | 22.68 |
| 1933 | 0.09 | 0.37 | 1.57 | 0.87 | 6.53 | 0.21 | 4.90 | 5.92 | 0.59 | 0.27 | 0.75 | 1.32 | 23.39 |
| 1934 | 1.27 | 1.32 | 1.13 | 1.36 | 4.23 | 1.05 | 0.65 | 0.64 | 7.35 | 2.58 | 2.23 | 0.47 | 24.28 |
| 1935 | 0.88 | 1.14 | 1.62 | 2.34 | 14.02 | 6.70 | 2.12 | 3.01 | 2.00 | 2.48 | 2.16 | 0.12 | 38.59 |
| 1936 | 0.91 | 0.21 | T | 0.83 | 6.90 | 1.48 | 0.49 | 0.43 | 8.21 | 3.02 | T | 0.74 | 23.22 |
| 1937 | 2.09 | 1.11 | 1.04 | 0.20 | 4.64 | 3.33 | 6.24 | 3.24 | 0.96 | 1.58 | 0.51 | 0.24 | 25.18 |
| 1938 | T | 1.68 | 1.49 | 2.86 | 9.54 | 6.18 | 1.39 | 4.13 | 0.94 | 0.04 | 3.96 | 0.11 | 32.32 |
| 1939 | 0.57 | 1.50 | 1.64 | 1.16 | 1.16 | 11.36 | 2.20 | 5.32 | 0.57 | 0.42 | 0.94 | 1.16 | 28.00 |
| 1940 | 0.93 | 1.19 | 1.23 | 5.26 | 5.08 | 2.89 | 2.56 | 3.43 | 1.93 | 0.90 | 2.61 | 1.07 | 29.08 |
| 1941 | 1.68 | 1.46 | 1.35 | 1.94 | 4.16 | 9.44 | 3.64 | 3.19 | 3.86 | 6.41 | 0.82 | 1.01 | 38.96 |
| 1942 | 0.35 | 1.29 | 1.65 | 6.63 | 1.21 | 10.78 | 2.90 | 4.90 | 8.39 | 5.58 | 0.77 | 2.30 | 46.75 |
| 1943 | 0.20 | 1.03 | 0.81 | 1.27 | 3.42 | 3.42 | 4.30 | 3.40 | 2.59 | 3.37 | 0.15 | 2.60 | 26.56 |
| 1944 | 0.65 | 1.43 | 3.49 | 9.72 | 5.43 | 1.59 | 5.28 | 9.02 | 3.74 | 1.20 | 2.52 | 2.90 | 46.97 |
| 1945 | 1.58 | 1.93 | 2.08 | 5.47 | 0.94 | 3.68 | 5.12 | 4.09 | 5.98 | 1.52 | 0.01 | 1.34 | 33.74 |
| 1946 | 1.16 | 1.05 | 1.51 | 1.11 | 3.46 | 3.97 | 0.16 | 2.11 | 2.84 | 3.65 | 1.72 | 0.42 | 23.16 |
| Normal | 0.72 | 1.11 | 1.51 | 2.61 | 4.45 | 4.34 | 2.95 | 3.19 | 3.08 | 2.12 | 1.57 | 0.88 | 28.53 |

INMAN, McPHERSON COUNTY. — Elevation, 1,532 feet

| | | | | | | | | | | | | | |
|--------|------|------|-------|-------|------|------|------|------|------|------|------|------|-------|
| 1942 | — | — | — | — | — | — | — | — | — | — | — | 1.75 | — |
| 1943 | 0.15 | 0.88 | *0.88 | 1.27 | 3.43 | 3.62 | 6.11 | 1.47 | 2.86 | 2.95 | 0.10 | 1.81 | 25.53 |
| 1944 | 0.50 | 1.33 | 3.92 | 10.00 | 2.82 | 0.79 | 4.48 | 5.46 | 3.18 | 1.12 | 2.64 | 2.74 | 38.98 |
| 1945 | 1.29 | 1.50 | 2.33 | 5.31 | 1.08 | 3.64 | 5.30 | 2.21 | 5.85 | 1.42 | T | 1.00 | 30.93 |
| 1946 | 1.09 | 0.86 | 1.85 | 1.02 | 1.89 | 2.03 | 1.27 | 2.49 | 1.59 | 4.03 | 1.82 | 0.86 | 20.80 |
| Normal | 0.75 | 1.12 | 1.49 | 2.63 | 4.40 | 4.34 | 2.82 | 3.25 | 3.18 | 2.20 | 1.53 | 0.90 | 28.61 |

JEWELL, JEWELL COUNTY. — Elevation, 1,564 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|-------|-------|-------|------|------|------|------|------|-------|
| 1945 | 0.32 | 0.67 | 0.56 | 4.27 | *5.10 | *3.40 | *3.80 | 2.31 | 2.47 | 0.28 | 0.05 | 1.89 | 25.12 |
| 1946 | 0.82 | 0.05 | 2.12 | 0.14 | 3.07 | 3.73 | 5.40 | 3.00 | 6.46 | 2.49 | 3.09 | 0.06 | 30.43 |
| Normal | 0.50 | 0.90 | 1.12 | 2.25 | 3.69 | 4.25 | 2.97 | 3.19 | 2.68 | 1.80 | 1.08 | 0.68 | 25.11 |

KINGMAN, KINGMAN COUNTY. — Elevation, 1,504 feet

| | | | | | | | | | | | | | |
|--------|-------|-------|------|-------|-------|-------|------|------|-------|-------|-------|------|-------|
| 1935 | — | — | — | 1.03 | 8.54 | *4.95 | 1.85 | 0.76 | 3.36 | 3.01 | — | — | — |
| 1936 | 0.96 | *T | *T | 0.42 | 4.65 | 1.08 | 0.58 | 0.00 | 5.32 | 2.96 | 0.00 | 0.74 | 16.71 |
| 1937 | *1.40 | *0.60 | 1.77 | 0.06 | 4.78 | 3.56 | 4.09 | 8.04 | 5.43 | 1.08 | 0.48 | 0.16 | 31.45 |
| 1938 | 0.00 | 2.33 | 1.47 | 3.88 | 11.24 | 4.20 | 2.57 | 4.33 | 0.92 | T | 3.40 | 0.18 | 34.52 |
| 1939 | 0.70 | 2.28 | 3.14 | 1.61 | *2.11 | 4.92 | 0.27 | 3.25 | T | 0.62 | 0.04 | 0.67 | 19.61 |
| 1940 | 1.47 | 1.55 | 1.66 | 3.76 | 1.74 | 3.12 | 3.22 | 3.33 | 2.05 | 0.23 | 3.05 | 0.54 | 25.72 |
| 1941 | 1.24 | *1.50 | 1.23 | 2.83 | 4.71 | 5.98 | 1.36 | 2.58 | 2.77 | 7.90 | 0.44 | 1.10 | 33.64 |
| 1942 | 0.47 | 0.64 | 1.81 | 5.77 | 0.42 | 6.17 | 1.73 | 4.32 | 2.57 | 3.78 | *0.41 | 1.73 | 29.82 |
| 1943 | 0.53 | 0.81 | 0.88 | 1.61 | 3.30 | 2.21 | 1.39 | 1.96 | 5.22 | 3.21 | 0.22 | 3.62 | 24.96 |
| 1944 | 0.95 | 2.10 | 2.68 | 6.95 | 2.17 | 1.67 | 2.04 | 9.41 | 3.50 | *2.00 | 3.22 | 2.52 | 39.21 |
| 1945 | 2.04 | — | — | — | — | — | 1.83 | 3.11 | 8.37 | 1.16 | — | — | — |
| 1946 | 1.56 | 1.59 | 1.42 | *0.88 | 3.85 | 2.51 | 0.45 | 2.35 | *1.26 | 4.45 | 2.19 | 1.08 | 23.59 |
| Normal | 0.70 | 1.00 | 1.30 | 2.70 | 4.51 | 4.40 | 2.70 | 3.27 | 2.88 | 2.20 | 1.39 | 0.90 | 27.95 |

KINSLEY, EDWARDS COUNTY. — Elevation, 2,159 feet

| | | | | | | | | | | | | | |
|--------|-------|------|-------|------|------|------|------|------|-------|-------|------|-------|-------|
| 1936 | 0.81 | 0.12 | 0.10 | 0.40 | 5.48 | 1.87 | 0.74 | 0.72 | 2.38 | *1.00 | T | 1.16 | 14.78 |
| 1937 | *1.00 | 0.79 | *1.00 | 0.36 | 2.32 | 2.14 | 3.35 | 1.19 | 0.72 | 0.46 | 0.11 | 0.37 | 13.81 |
| 1938 | T | 1.32 | 1.51 | 3.33 | 6.47 | 3.82 | 1.53 | 2.30 | 2.02 | 0.01 | 0.12 | T | 22.43 |
| 1939 | 0.55 | 1.08 | 0.82 | 0.37 | 0.82 | 3.03 | 0.95 | 1.32 | 0.06 | 0.54 | 0.51 | 0.76 | 10.81 |
| 1940 | 0.53 | 0.65 | 0.32 | 3.95 | 3.60 | 3.47 | 0.76 | 2.45 | 1.39 | 0.14 | 2.12 | 1.03 | 20.41 |
| 1941 | 1.02 | 1.39 | 0.77 | 3.75 | 2.60 | 6.88 | 2.58 | 2.20 | 1.49 | 6.76 | 0.77 | 3.30 | 30.51 |
| 1942 | 0.19 | 0.84 | 1.25 | 4.21 | 0.69 | 5.22 | 4.52 | 5.10 | 2.93 | 3.54 | 0.32 | 1.13 | 29.94 |
| 1943 | — | — | — | 0.25 | 1.83 | — | 2.40 | 4.11 | 2.86 | 1.94 | — | — | — |
| 1944 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1945 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1946 | 0.48 | 1.05 | 1.35 | 0.64 | 1.63 | 0.58 | 0.65 | 2.27 | *1.76 | 3.36 | 2.65 | *0.08 | 16.50 |
| Normal | 0.40 | 0.80 | 1.00 | 2.10 | 3.00 | 3.40 | 2.70 | 2.50 | 2.20 | 1.45 | 1.00 | 0.60 | 21.15 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

LARNED, PARNSEE COUNTY. — Elevation, 2,090 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.14 | 0.26 | 3.70 | 2.40 | 1.98 | 1.80 | 0.50 | 3.11 | 1.13 | 0.62 | 2.41 | 0.60 | 18.65 |
| 1932 | 1.66 | 0.50 | 1.03 | 1.55 | 1.90 | 8.02 | 1.54 | 3.02 | 1.25 | 0.44 | 0.11 | 0.27 | 21.29 |
| 1933 | *0.01 | 0.30 | 0.36 | 1.73 | 2.98 | 1.32 | 1.30 | 6.66 | 0.99 | 0.49 | 0.21 | 0.38 | 16.73 |
| 1934 | 0.28 | 1.92 | 0.32 | 0.64 | 3.54 | 4.15 | 0.40 | 4.37 | 2.71 | 0.71 | 1.25 | T | 20.29 |
| 1935 | 0.20 | 0.56 | 0.24 | 0.19 | 8.21 | 5.89 | 0.61 | 1.98 | 2.17 | 0.99 | 1.80 | 0.02 | 22.86 |
| 1936 | 0.77 | 0.12 | T | 1.39 | 3.72 | 1.44 | 1.96 | 0.61 | 3.56 | 0.98 | T | 0.82 | 15.27 |
| 1937 | 1.19 | 0.99 | 1.09 | 0.23 | 2.63 | 2.72 | 4.43 | 2.70 | 0.51 | 1.00 | 0.46 | 0.18 | 18.13 |
| 1938 | T | 1.64 | 1.96 | 2.84 | 7.42 | 3.50 | 4.40 | 1.33 | 2.45 | 0.04 | 1.05 | 0.00 | 26.63 |
| 1939 | 0.57 | 1.35 | 0.98 | 0.48 | 1.02 | 3.83 | 3.48 | 5.76 | 0.05 | 0.58 | 0.54 | 0.76 | 19.40 |
| 1940 | 0.42 | 0.66 | 0.39 | 3.00 | 4.30 | 1.26 | 1.10 | 2.63 | 2.70 | 1.55 | 2.26 | 0.96 | 21.23 |
| 1941 | 1.33 | 1.45 | 1.09 | 2.62 | 3.21 | 7.22 | 2.93 | 2.79 | 5.02 | 5.33 | 0.68 | 0.36 | 34.03 |
| 1942 | 0.17 | 0.91 | 1.34 | 3.16 | 1.03 | 5.82 | 1.45 | 6.32 | 2.38 | 3.88 | 0.07 | 0.95 | 27.48 |
| 1943 | 0.05 | 0.49 | 0.14 | 0.66 | 1.54 | 2.62 | 3.85 | 2.52 | 2.12 | 1.56 | 0.07 | 0.87 | 16.49 |
| 1944 | 0.70 | 0.83 | 0.93 | 4.69 | 3.76 | 0.32 | 8.44 | 6.89 | 1.67 | 1.44 | 0.76 | 1.20 | 31.63 |
| 1945 | 0.98 | 1.03 | 0.89 | 4.65 | 2.08 | 3.27 | 4.14 | 2.94 | 1.89 | 1.73 | T | 0.36 | 23.96 |
| 1946 | 0.34 | 0.67 | 2.43 | 0.99 | 2.19 | 0.67 | 0.68 | 1.22 | 1.36 | 2.60 | 2.21 | T | 15.36 |
| Normal | 0.43 | 0.84 | 1.03 | 2.11 | 3.42 | 3.93 | 2.94 | 3.02 | 2.36 | 1.58 | 1.20 | 0.62 | 23.48 |

LINCOLN, LINCOLN COUNTY. — Elevation, 1,374 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|-------|------|------|------|-------|------|------|------|-------|
| 1931 | 0.10 | 0.15 | 2.26 | 2.85 | 2.12 | 1.01 | 1.54 | 5.02 | 1.10 | 1.05 | 4.31 | 0.47 | 21.98 |
| 1932 | 1.39 | 0.40 | 0.85 | 2.17 | 1.25 | 3.01 | 1.14 | 4.10 | 2.38 | 0.26 | 0.16 | 0.34 | 17.45 |
| 1933 | 0.03 | T | 0.79 | 1.83 | 2.12 | 1.27 | 1.94 | 3.01 | 1.39 | 0.17 | 0.42 | 1.27 | 14.24 |
| 1934 | 0.30 | 0.95 | 0.05 | 0.60 | 3.73 | 3.45 | 0.30 | 0.56 | 2.49 | 0.56 | 1.95 | 0.15 | 15.09 |
| 1935 | 0.02 | 0.66 | 0.17 | 0.33 | 6.69 | 6.62 | 2.11 | 3.64 | 3.11 | 1.38 | 1.56 | 0.32 | 26.61 |
| 1936 | 0.64 | 0.02 | T | 0.96 | 4.45 | 0.90 | 1.24 | 0.86 | 4.59 | 1.68 | T | 1.03 | 16.37 |
| 1937 | 1.56 | 0.51 | 0.98 | 0.58 | 2.66 | 3.16 | 1.25 | 2.30 | 1.01 | 1.96 | 1.03 | 0.25 | 17.25 |
| 1938 | 0.05 | 1.24 | 1.80 | 2.80 | 13.29 | 2.29 | 3.19 | 2.10 | 1.35 | 0.14 | 1.69 | 0.04 | 29.98 |
| 1939 | 0.53 | 1.48 | 1.40 | 1.81 | 1.02 | 4.03 | 2.37 | 1.92 | 0.46 | 0.44 | 0.42 | 0.48 | 16.36 |
| 1940 | 0.46 | 0.80 | 0.66 | 1.62 | 2.43 | 1.84 | 1.25 | 2.50 | 2.05 | 1.47 | 2.39 | 1.58 | 19.05 |
| 1941 | 1.11 | 0.53 | 0.49 | 1.95 | 6.77 | 5.06 | 2.33 | 3.57 | 4.95 | 7.35 | 0.80 | 0.90 | 35.81 |
| 1942 | 0.10 | 0.57 | 1.92 | 3.90 | 2.85 | 8.67 | 1.21 | 2.98 | 7.19 | 2.20 | 0.36 | 1.30 | 33.25 |
| 1943 | 0.06 | 0.70 | 0.41 | 1.20 | 3.32 | 2.78 | 4.24 | 2.25 | 2.79 | 1.23 | 0.42 | 0.90 | 20.30 |
| 1944 | 0.73 | 1.03 | 2.11 | 5.87 | 2.27 | 0.49 | 4.15 | 6.97 | 1.09 | 1.53 | 1.59 | 1.36 | 29.19 |
| 1945 | 0.50 | 0.69 | 0.75 | 4.27 | 5.97 | 4.38 | 2.43 | 0.14 | 1.69 | 0.50 | T | 1.11 | 22.43 |
| 1946 | 0.63 | 0.15 | 1.82 | 2.17 | 3.10 | 1.57 | 2.19 | 3.98 | 12.60 | 2.47 | 2.75 | 0.06 | 33.49 |
| Normal | 0.50 | 0.96 | 1.12 | 2.40 | 3.45 | 4.25 | 2.60 | 2.66 | 2.64 | 1.74 | 1.27 | 0.65 | 24.24 |

LINDSBORG, McPHERSON COUNTY. — Elevation, 1,333 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|-------|-------|------|------|-------|
| 1931 | T | 0.57 | 3.13 | 2.73 | 2.60 | 3.23 | 0.87 | 3.52 | 1.68 | 0.98 | 4.84 | 0.37 | 24.52 |
| 1932 | 1.60 | 0.57 | 0.59 | 1.22 | 3.63 | 5.90 | 5.29 | 3.25 | 1.93 | 0.92 | 0.18 | 0.88 | 25.96 |
| 1933 | 0.05 | 0.14 | 1.43 | 0.88 | 5.42 | 0.64 | 3.05 | 5.74 | 1.81 | 0.11 | 0.60 | 0.41 | 20.28 |
| 1934 | 0.83 | 1.12 | 0.77 | 0.25 | 4.39 | 2.77 | 1.34 | 0.90 | 4.15 | 1.87 | 2.46 | 0.33 | 21.18 |
| 1935 | 0.30 | 1.51 | 0.82 | 0.42 | 5.91 | 4.11 | 4.18 | 3.23 | 2.91 | 2.60 | 1.74 | 0.07 | 27.80 |
| 1936 | 0.64 | 0.19 | 0.08 | 1.36 | 6.15 | 1.53 | 0.33 | 1.39 | 4.87 | 1.88 | 0.02 | 0.47 | 18.91 |
| 1937 | 2.38 | 1.18 | 0.96 | 0.40 | 4.68 | 4.51 | 4.09 | 4.28 | 2.38 | 2.50 | 1.46 | 0.31 | 29.13 |
| 1938 | T | 1.60 | 1.76 | 2.18 | 7.41 | 6.34 | 2.89 | 3.13 | 2.01 | T | 1.80 | 0.16 | 29.28 |
| 1939 | 0.49 | 1.94 | 1.81 | 0.99 | 1.81 | 4.26 | 1.54 | 6.13 | 0.02 | 1.25 | 0.69 | 0.99 | 21.92 |
| 1940 | 0.64 | 1.40 | 0.73 | 3.36 | 3.95 | 5.21 | 0.56 | 4.02 | 2.57 | 1.20 | 3.52 | 1.28 | 28.44 |
| 1941 | 1.75 | 0.93 | 1.35 | 1.39 | 1.66 | 6.52 | 0.86 | 7.02 | 11.70 | 16.01 | 1.08 | 1.24 | 51.51 |
| 1942 | 0.49 | 0.77 | 2.31 | 5.97 | 1.75 | 6.70 | 1.24 | 6.74 | 6.25 | 4.35 | 0.65 | 2.20 | 39.42 |
| 1943 | 0.34 | 0.73 | 1.13 | 1.43 | 5.12 | 2.76 | 3.39 | 0.71 | 1.99 | 4.09 | 0.20 | 2.03 | 23.92 |
| 1944 | 0.53 | 1.34 | 4.20 | 9.27 | 3.29 | 2.12 | 6.60 | 4.53 | 3.02 | 1.10 | 2.15 | 2.48 | 40.63 |
| 1945 | 1.28 | 1.83 | 2.25 | 6.04 | 1.98 | 2.40 | 2.97 | 2.23 | 4.78 | 0.82 | 0.02 | 0.71 | 27.31 |
| 1946 | 0.79 | 0.54 | 1.86 | 2.22 | 3.51 | 2.42 | 0.65 | 4.74 | 4.24 | 4.46 | 2.19 | 0.28 | 27.90 |
| Normal | 0.65 | 1.10 | 1.35 | 2.50 | 3.99 | 4.08 | 2.46 | 3.40 | 3.28 | 2.28 | 1.43 | 0.84 | 27.36 |

Means for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

LONG ISLAND, PHILLIPS COUNTY. — Elevation, 2,071 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1941 | — | — | — | — | — | — | 3.99 | 1.13 | 2.26 | 0.80 | 0.75 | 1.39 | — |
| 1942 | 0.16 | 0.41 | 1.98 | 2.92 | 1.75 | 6.52 | 3.44 | 3.02 | 4.49 | 0.45 | 0.72 | 0.95 | 26.81 |
| 1943 | 0.06 | 0.34 | 0.41 | 3.91 | 0.81 | 3.77 | 2.77 | 1.93 | 0.71 | 0.24 | 0.26 | 0.17 | 15.38 |
| 1944 | 1.37 | 0.72 | 1.93 | 6.35 | 2.21 | 1.49 | 4.71 | 3.86 | 0.06 | 1.34 | 1.06 | 0.15 | 25.25 |
| 1945 | 0.49 | 0.37 | 0.17 | 4.72 | 2.21 | 4.28 | 2.16 | 1.62 | 1.31 | 0.47 | 0.10 | 0.68 | 18.58 |
| 1946 | 0.27 | 0.02 | 2.66 | T | 6.17 | 3.26 | 3.02 | 0.72 | 3.06 | 5.88 | 1.56 | 0.03 | 26.65 |
| Normal | 0.35 | 0.66 | 0.98 | 2.31 | 3.00 | 3.50 | 2.84 | 2.60 | 2.25 | 1.40 | 0.88 | 0.64 | 21.41 |

LYONS, RICE COUNTY. — Elevation, 1,696 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|-------|------|------|------|------|------|------|------|-------|-------|--------|
| 1932 | — | 1.10 | 0.74 | 0.95 | 4.70 | 6.88 | 1.10 | 1.84 | 0.94 | 1.24 | 0.00 | *0.50 | — |
| 1933 | T | 0.05 | 1.25 | 0.90 | 3.49 | 0.53 | 2.47 | 8.19 | 0.28 | 1.19 | 0.45 | 0.64 | 19.44 |
| 1934 | 0.50 | 0.91 | 0.44 | 0.79 | 3.77 | 1.61 | 0.57 | 1.03 | 5.76 | 0.90 | 1.43 | T | 17.71 |
| 1935 | 0.27 | 1.18 | 0.52 | 0.60 | 6.32 | 5.79 | 1.74 | 3.26 | 2.07 | 1.45 | 1.71 | 0.08 | 24.99 |
| 1936 | 0.62 | T | 0.00 | 0.90 | 5.46 | 1.24 | 1.28 | 1.46 | 5.91 | 1.44 | 0.00 | 0.66 | 18.97 |
| 1937 | 0.97 | 0.70 | 0.96 | 0.18 | 4.43 | 3.83 | 2.58 | 1.77 | 1.57 | 1.73 | 0.61 | 0.32 | 19.65 |
| 1938 | 0.00 | 1.07 | 1.77 | 2.28 | 8.70 | 4.24 | 1.01 | 2.60 | 2.02 | 0.51 | 0.15 | 0.05 | 24.40 |
| 1939 | 0.39 | 1.76 | 1.88 | 0.68 | 1.25 | 5.69 | 2.90 | 9.40 | 0.07 | 0.25 | 0.52 | 0.63 | 25.42 |
| 1940 | 0.70 | 1.24 | 1.13 | 4.00 | 3.73 | 1.23 | 7.63 | 1.03 | 2.75 | 0.78 | 2.69 | 1.26 | 28.17 |
| 1941 | 1.49 | 1.13 | 0.60 | 1.41 | 4.89 | 4.22 | 3.17 | 2.67 | 4.47 | 7.29 | 0.60 | 0.99 | 32.93 |
| 1942 | 0.12 | 0.70 | 1.44 | 4.58 | 1.50 | 8.52 | 2.01 | 3.44 | 1.84 | 4.79 | *0.42 | 1.17 | 30.53 |
| 1943 | 0.04 | 0.47 | 0.55 | 1.47 | 2.40 | 4.47 | 2.48 | 3.14 | 1.70 | 2.01 | 0.13 | 2.02 | 20.88 |
| 1944 | 0.36 | 1.04 | 2.02 | 6.81 | 3.17 | 3.87 | 4.24 | 9.24 | 2.78 | 0.98 | 1.81 | 2.12 | 38.44 |
| 1945 | 1.17 | 1.78 | *1.13 | 5.12 | 1.98 | 4.42 | 3.54 | 2.12 | 4.08 | 1.40 | T | 0.56 | 27.10 |
| 1946 | *0.84 | 0.55 | 1.84 | 1.46 | 2.10 | 1.29 | 1.43 | 1.57 | 2.76 | 5.12 | 2.24 | 0.60 | 22.00 |
| Normal | 0.61 | 0.94 | 1.40 | 2.42 | 4.00 | 4.10 | 2.75 | 3.30 | 2.60 | 1.79 | 1.38 | 0.70 | 25.99 |

McPHERSON, McPHERSON COUNTY. — Elevation, 1,495 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.12 | 0.30 | 2.39 | 1.57 | 2.55 | 2.88 | 2.41 | 2.31 | 1.82 | 1.74 | 4.56 | 0.63 | 23.28 |
| 1932 | 1.25 | 0.55 | 0.74 | 1.06 | 3.64 | 3.35 | 4.07 | 1.50 | 1.63 | 0.69 | 0.15 | 0.86 | 19.49 |
| 1933 | 0.11 | 0.36 | 0.98 | 3.76 | 4.52 | 0.62 | 3.72 | 4.59 | 1.92 | 0.05 | 0.41 | 0.69 | 21.73 |
| 1934 | 1.45 | 0.95 | 0.91 | 0.51 | 3.95 | 1.85 | 0.99 | 0.51 | 5.45 | 1.48 | 2.53 | 0.38 | 20.96 |
| 1935 | 0.66 | 1.33 | 0.72 | 0.56 | 6.67 | 3.47 | 1.06 | 4.45 | 2.51 | 1.71 | 1.83 | 0.16 | 25.13 |
| 1936 | 0.70 | 0.29 | T | 0.66 | 5.24 | 0.69 | 0.54 | 1.24 | 4.51 | 2.05 | 0.04 | 0.77 | 16.73 |
| 1937 | 1.84 | 0.71 | 0.76 | 0.68 | 5.12 | 2.34 | 3.34 | 2.47 | 2.38 | 1.39 | 0.82 | 0.25 | 22.10 |
| 1938 | T | 1.58 | 1.48 | 2.13 | 8.80 | 3.98 | 0.76 | 4.43 | 1.04 | 0.13 | 3.19 | 0.05 | 27.57 |
| 1939 | 0.47 | 1.73 | 1.72 | 0.71 | 0.20 | 7.70 | 3.18 | 7.18 | 0.08 | 0.82 | 1.15 | 0.87 | 25.81 |
| 1940 | 1.12 | 1.42 | 0.76 | 3.88 | 3.83 | 1.31 | 0.55 | 3.52 | 3.63 | 0.77 | 2.89 | 1.08 | 24.76 |
| 1941 | 1.56 | 0.64 | 1.34 | 1.33 | 1.87 | 4.24 | 3.35 | 3.91 | 6.77 | 7.63 | 0.65 | 0.82 | 34.11 |
| 1942 | 0.40 | 1.12 | 1.85 | 6.53 | 2.40 | 7.04 | 1.87 | 4.87 | 4.59 | 4.83 | 0.67 | 1.39 | 37.56 |
| 1943 | 0.39 | 0.74 | 1.24 | 1.78 | 4.06 | 2.26 | 3.66 | 0.72 | 1.68 | 4.25 | 0.10 | 1.94 | 22.82 |
| 1944 | 0.47 | 1.36 | 3.95 | 11.51 | 2.75 | 0.85 | 4.55 | 3.45 | 3.17 | 1.37 | 3.81 | 2.74 | 39.98 |
| 1945 | 1.30 | 2.13 | 2.69 | 6.01 | 2.27 | 3.94 | 2.40 | 1.43 | 5.58 | 1.69 | 0.02 | 1.63 | 31.09 |
| 1946 | 1.09 | 0.81 | 2.42 | 0.98 | 1.95 | 2.02 | 2.05 | 3.93 | 2.79 | 3.30 | 1.82 | 0.54 | 23.70 |
| Normal | 0.77 | 1.21 | 1.43 | 2.65 | 4.30 | 4.35 | 2.76 | 3.41 | 3.29 | 2.33 | 1.49 | 0.92 | 28.91 |

MARION, MARION COUNTY. — Elevation, 1,310 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|------|------|------|------|--------|
| 1931 | 0.44 | 0.65 | 2.20 | 1.98 | 3.20 | 3.75 | 1.77 | 2.48 | 3.73 | 1.88 | 6.17 | 0.51 | 28.76 |
| 1932 | 0.97 | 0.73 | 1.38 | 1.27 | 3.54 | 4.65 | 7.55 | 2.82 | 2.73 | 0.36 | 0.25 | 1.30 | 27.55 |
| 1933 | 0.08 | 0.19 | 2.08 | 1.80 | 4.04 | 0.42 | 4.84 | 3.86 | 1.77 | 1.20 | 0.38 | 1.07 | 21.73 |
| 1934 | 0.40 | 1.07 | 1.31 | 1.50 | 3.73 | 1.88 | 1.60 | 0.77 | 5.23 | 1.23 | 3.28 | 0.45 | 22.45 |
| 1935 | 0.47 | 0.78 | 0.88 | 1.23 | 8.26 | 4.41 | 0.39 | 2.10 | 2.09 | 4.29 | 2.84 | 0.17 | 27.91 |
| 1936 | 0.92 | 0.07 | 0.08 | 1.48 | 5.92 | 0.82 | 0.28 | 1.12 | 5.01 | 2.30 | 0.09 | 0.58 | 18.67 |
| 1937 | 1.86 | 0.79 | 2.24 | 0.37 | 3.04 | 2.46 | 5.13 | 2.88 | 4.72 | 0.85 | 0.97 | 0.35 | 25.66 |
| 1938 | 0.07 | 1.45 | 1.78 | 1.67 | 13.26 | 6.03 | 2.77 | 4.95 | 2.04 | 0.13 | 2.80 | 0.13 | 37.08 |
| 1939 | 0.74 | 2.74 | 1.26 | 1.18 | 0.79 | 9.97 | 1.93 | 7.87 | 0.25 | 0.85 | 1.45 | 1.21 | 30.24 |
| 1940 | 1.17 | 2.19 | 0.77 | 4.24 | 4.34 | 3.00 | 0.28 | 4.44 | 5.15 | 1.59 | 4.20 | 1.20 | 32.57 |
| 1941 | 3.19 | 1.81 | 1.20 | 1.69 | 1.18 | 8.11 | 3.76 | 7.90 | 9.75 | 9.62 | 0.56 | 1.01 | 49.78 |
| 1942 | 0.26 | 0.88 | 1.45 | 3.69 | 3.11 | 8.11 | 0.55 | 6.50 | 8.71 | 3.96 | 0.35 | 3.57 | 41.14 |
| 1943 | 0.04 | 0.55 | 1.17 | 1.56 | 4.36 | 4.47 | 4.93 | 0.95 | 4.18 | 4.65 | 0.01 | 3.65 | 30.52 |
| 1944 | 1.64 | 1.53 | 5.34 | 8.22 | 3.45 | 1.12 | 2.83 | 5.49 | 3.84 | 1.75 | 3.30 | 4.39 | 42.90 |
| 1945 | 0.86 | 0.96 | 1.43 | 9.17 | 1.66 | 4.98 | 3.15 | 1.98 | 7.96 | 0.99 | 0.10 | 0.75 | 33.89 |
| 1946 | 2.09 | 0.58 | 1.46 | 0.57 | 1.77 | 8.54 | 0.15 | 4.14 | 4.51 | 3.66 | 1.31 | 1.83 | 30.61 |
| Normal | 0.74 | 1.09 | 1.71 | 2.80 | 4.28 | 4.39 | 2.90 | 3.70 | 3.25 | 2.45 | 1.90 | 0.92 | 30.13 |

Normals for all stations are computed for the 45-year period, 1938 through 1942.

* interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

MEDICINE LODGE, BARBER COUNTY. — Elevation, 1,475 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|------|------|------|-------|--------|
| 1931 | 0.17 | 0.60 | 2.87 | 3.94 | 4.68 | 1.03 | 1.15 | 2.00 | 1.87 | 1.53 | 4.55 | 0.62 | 25.01 |
| 1932 | 1.30 | 0.95 | 0.72 | 2.27 | 2.97 | 7.61 | 5.24 | 4.09 | 0.72 | 0.41 | 0.09 | 0.68 | 27.05 |
| 1933 | 0.12 | 0.10 | 0.51 | 2.18 | 1.42 | 0.84 | 2.88 | 7.40 | 0.31 | 0.22 | 0.48 | 0.55 | 17.01 |
| 1934 | 0.68 | 0.31 | 1.13 | 1.91 | 1.78 | 4.91 | 2.24 | 1.68 | 4.92 | 1.40 | 1.08 | 0.55 | 22.59 |
| 1935 | 0.82 | 0.69 | 1.32 | 0.75 | 11.95 | 1.86 | 0.19 | 2.39 | 1.22 | 3.12 | 2.16 | 0.37 | 26.84 |
| 1936 | 0.85 | 0.01 | 0.00 | 0.81 | 4.73 | 3.42 | 1.23 | 0.02 | 4.12 | 1.33 | 0.00 | 1.00 | 17.52 |
| 1937 | 1.31 | 0.56 | 1.62 | 0.09 | 3.97 | 2.57 | 2.23 | 1.24 | 2.86 | 1.30 | T | *0.50 | 18.25 |
| 1938 | T | 1.46 | 1.75 | 2.96 | 9.95 | 2.21 | 3.49 | 3.89 | 0.97 | 0.57 | 1.94 | 0.42 | 29.61 |
| 1939 | 1.29 | 0.92 | 2.82 | 2.16 | 1.61 | 2.62 | 0.77 | 2.21 | T | 0.26 | 0.05 | 0.85 | 15.56 |
| 1940 | 0.35 | 0.98 | 0.47 | 2.54 | 3.06 | 3.05 | 0.98 | 1.54 | 2.98 | 0.59 | 2.79 | 1.03 | 20.36 |
| 1941 | 1.21 | 1.75 | 1.42 | 3.38 | 3.39 | 5.88 | 1.49 | 3.15 | 6.12 | 8.58 | 0.43 | 0.40 | 37.20 |
| 1942 | 0.04 | 0.67 | 1.89 | 5.24 | 1.77 | 3.88 | 1.06 | 3.53 | 2.18 | 4.04 | 0.20 | 1.35 | 25.85 |
| 1943 | 0.29 | 0.51 | 0.31 | 1.15 | 3.81 | 1.29 | 1.85 | 1.87 | 2.02 | 2.66 | 0.22 | 2.68 | 18.66 |
| 1944 | 0.48 | 1.54 | 2.39 | 4.50 | 4.15 | 1.07 | 1.34 | 6.50 | 2.83 | 1.27 | 1.70 | 2.58 | 30.35 |
| 1945 | 1.51 | 0.68 | 2.05 | 6.69 | 1.33 | 2.80 | 3.38 | 1.08 | 6.45 | 1.05 | 0.00 | 0.57 | 27.59 |
| 1946 | 0.40 | 2.01 | 0.76 | 2.60 | 3.33 | 1.25 | 1.36 | 2.59 | 0.32 | 6.99 | 2.97 | 1.75 | 26.33 |
| Normal | 0.48 | 0.83 | 1.29 | 2.38 | 4.29 | 3.65 | 2.72 | 2.70 | 2.96 | 2.13 | 1.35 | 0.69 | 25.47 |

MEDORA, RENO COUNTY. — Elevation, 1,484 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|------|------|------|------|--------|
| 1931 | 0.22 | 0.42 | 3.08 | 1.64 | 2.40 | 4.42 | 0.27 | 2.80 | 3.94 | 2.07 | 5.20 | 0.30 | 26.76 |
| 1932 | 1.96 | 0.77 | 1.00 | 1.72 | 3.48 | 8.55 | 2.00 | 2.36 | 1.93 | 0.23 | 0.05 | 0.89 | 24.94 |
| 1933 | 0.14 | 0.33 | 1.36 | 1.10 | 6.87 | 0.33 | 4.41 | 5.65 | 0.61 | 0.25 | 0.87 | 1.13 | 23.05 |
| 1934 | 1.20 | 1.49 | 0.66 | 1.17 | 3.83 | 1.38 | 1.06 | 0.49 | 5.16 | 1.70 | 2.59 | 0.38 | 21.11 |
| 1935 | 0.79 | 1.37 | 1.19 | 1.82 | 12.02 | 5.49 | 0.55 | 3.13 | 2.26 | 2.46 | 2.05 | 1.19 | 33.32 |
| 1936 | 1.17 | 0.50 | T | 0.66 | 4.27 | 1.28 | 0.36 | 0.62 | 7.81 | 3.37 | 0.00 | 1.06 | 21.10 |
| 1937 | 2.82 | 0.91 | 1.18 | 0.36 | 4.14 | 2.03 | 5.38 | 2.29 | 3.86 | 1.55 | 0.72 | 0.20 | 25.44 |
| 1938 | T | 1.78 | 1.70 | 1.85 | 9.38 | 5.70 | 1.07 | 4.38 | 1.86 | 0.05 | 3.52 | 0.12 | 31.41 |
| 1939 | 0.58 | 1.49 | 2.10 | 0.70 | 0.47 | 8.90 | 3.40 | 5.78 | 0.20 | 0.70 | 1.37 | 1.39 | 27.08 |
| 1940 | 1.14 | 1.20 | 0.97 | 5.31 | 6.28 | 1.80 | 0.58 | 2.12 | 2.67 | 0.82 | 3.61 | 0.86 | 27.36 |
| 1941 | 0.75 | 1.14 | 0.80 | 1.54 | 2.96 | 6.32 | 0.49 | 2.42 | 4.84 | 5.70 | 0.34 | 1.18 | 28.48 |
| 1942 | 0.12 | 1.26 | 1.60 | 7.23 | 1.88 | 12.22 | 1.70 | 7.50 | 6.07 | — | — | — | — |
| Normal | 0.75 | 1.12 | 1.49 | 2.63 | 4.40 | 4.34 | 2.82 | 3.25 | 3.18 | 2.20 | 1.53 | 0.90 | 28.61 |

MINNEAPOLIS, OTTAWA COUNTY. — Elevation, 1,259 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|-------|-------|------|------|------|--------|
| 1931 | 0.10 | 0.70 | 2.08 | 4.03 | 2.61 | 0.70 | 1.04 | 4.07 | 0.91 | 0.82 | 2.84 | 0.43 | 20.33 |
| 1932 | 1.30 | 0.83 | 0.91 | 1.45 | 2.75 | 5.23 | 3.63 | 6.14 | 1.18 | 0.50 | 0.08 | 0.69 | 24.69 |
| 1933 | 0.07 | 0.05 | 1.79 | 3.38 | 2.90 | 0.85 | 1.73 | 5.94 | 1.44 | 0.12 | 0.35 | 0.43 | 19.05 |
| 1934 | 0.04 | 0.93 | 0.26 | 0.92 | 2.59 | 4.45 | 0.91 | 0.66 | 2.34 | 0.12 | 1.95 | 0.19 | 15.36 |
| 1935 | 0.01 | 0.79 | 0.49 | 1.19 | 6.73 | 3.80 | 1.63 | 3.82 | 3.71 | 1.51 | 1.72 | 0.04 | 25.44 |
| 1936 | 0.74 | 0.16 | 0.12 | 1.97 | 4.15 | 1.68 | 1.26 | 0.77 | 5.17 | 1.26 | 0.00 | 0.92 | 18.20 |
| 1937 | 1.50 | 0.56 | 1.35 | 0.19 | 2.56 | 2.71 | 2.66 | 1.11 | 3.08 | 2.13 | 0.33 | 0.15 | 18.33 |
| 1938 | 0.02 | 1.04 | 1.52 | 2.08 | 9.42 | 2.87 | 2.98 | 4.23 | 0.39 | 0.08 | 0.57 | 0.26 | 25.46 |
| 1939 | 0.35 | 1.00 | 1.74 | 2.14 | 2.87 | 5.04 | 2.02 | 4.77 | 0.81 | 0.61 | 0.76 | 0.45 | 22.56 |
| 1940 | 0.43 | 1.26 | 0.47 | 1.97 | 2.48 | 1.64 | 0.93 | 7.41 | 2.10 | 1.28 | 3.15 | 0.80 | 23.92 |
| 1941 | 1.36 | 0.52 | 0.80 | 1.23 | 6.56 | 4.62 | 1.81 | 3.13 | 4.38 | 5.94 | 0.56 | 1.75 | 32.66 |
| 1942 | 0.30 | 0.91 | 1.79 | 3.32 | 3.48 | 8.90 | 0.79 | 4.67 | 10.90 | 3.17 | 0.49 | 1.53 | 40.25 |
| 1943 | 0.17 | 0.72 | 0.66 | 3.66 | 3.92 | 7.07 | 5.78 | 3.01 | 2.88 | 1.80 | 0.32 | 1.14 | 31.13 |
| 1944 | 0.62 | 1.25 | 2.70 | 6.50 | 2.94 | 0.98 | 4.42 | 7.80 | 1.51 | 1.93 | 2.34 | 0.94 | 33.93 |
| 1945 | 0.67 | 1.26 | 1.33 | 5.65 | 4.96 | 4.12 | 5.76 | 2.02 | 4.78 | 0.48 | 0.26 | 0.80 | 32.09 |
| 1946 | 0.63 | 0.10 | 2.27 | 1.53 | 2.01 | 2.26 | 2.50 | *5.20 | 9.07 | 4.15 | 2.74 | 0.03 | 32.49 |
| Normal | 0.49 | 0.91 | 1.09 | 2.36 | 3.86 | 4.13 | 2.74 | 3.51 | 2.92 | 1.91 | 1.18 | 0.66 | 25.76 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

MOUNT HOPE, SEDGWICK COUNTY. — Elevation, 1,410 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|-------|------|-------|------|------|------|------|------|------|--------|
| 1931 | 0.24 | 0.24 | 2.79 | 2.63 | 2.98 | 3.04 | 0.19 | 2.41 | 3.19 | 1.33 | 5.94 | 0.66 | 25.64 |
| 1932 | 1.21 | 0.85 | 0.77 | 1.80 | 1.68 | 4.91 | 2.70 | 4.21 | 3.18 | 0.49 | 0.46 | 1.14 | 23.40 |
| 1933 | 0.08 | 0.15 | 1.59 | 0.53 | 2.74 | 0.63 | 4.22 | 5.86 | 3.30 | 0.61 | 0.79 | 1.15 | 21.65 |
| 1934 | 1.24 | 0.88 | 1.47 | 1.76 | 4.94 | *1.60 | 1.75 | 0.56 | 4.23 | 2.70 | 2.39 | 0.54 | 24.06 |
| 1935 | 0.97 | 0.88 | 1.05 | 3.60 | 9.67 | 5.45 | 0.50 | 1.22 | 3.21 | 3.22 | 2.40 | 0.16 | 32.33 |
| 1936 | 1.08 | T | T | 0.89 | 4.83 | 0.93 | 0.24 | 0.04 | 7.30 | 4.21 | 0.00 | 0.62 | 20.14 |
| 1937 | 1.67 | 0.50 | 2.06 | 0.09 | 6.82 | 2.75 | 4.49 | 3.29 | 2.06 | 0.83 | 0.64 | 0.34 | 25.54 |
| 1938 | 0.01 | 1.19 | 0.76 | 2.39 | 9.15 | 4.14 | 2.86 | 4.61 | 1.66 | 0.10 | 3.16 | 0.18 | 30.21 |
| 1939 | 0.66 | 1.54 | 2.41 | 1.21 | 1.78 | 10.19 | 2.81 | 6.96 | 0.28 | 0.86 | 0.70 | 0.66 | 30.06 |
| 1940 | 0.56 | 1.44 | 0.50 | 4.04 | 4.30 | 2.55 | 2.45 | 1.93 | 2.42 | 1.09 | 2.73 | 1.08 | 25.09 |
| 1941 | 1.32 | 1.25 | 1.18 | 1.96 | 1.61 | 7.96 | 4.14 | 2.03 | 3.35 | 7.00 | 0.60 | 0.89 | 33.29 |
| 1942 | 0.19 | 0.90 | 1.47 | 4.80 | 1.08 | 8.47 | 2.86 | 8.46 | 5.05 | 4.27 | 0.76 | 2.52 | 40.83 |
| 1943 | 0.12 | 0.72 | 0.76 | 1.53 | 4.22 | 1.74 | 6.81 | 0.30 | 4.80 | 2.66 | 0.13 | 2.60 | 26.39 |
| 1944 | 0.52 | 1.20 | 3.74 | 7.86 | 4.47 | 2.09 | 4.70 | 5.56 | 3.26 | 3.04 | 3.12 | 3.11 | 42.64 |
| 1945 | 1.25 | 0.98 | 1.36 | 10.30 | 0.91 | 4.24 | 5.14 | 5.83 | 9.57 | 1.16 | T | 0.48 | 41.22 |
| 1946 | 2.10 | 1.08 | 2.38 | 0.88 | 2.67 | 3.34 | 0.72 | 1.91 | 0.64 | 4.02 | 2.45 | 2.17 | 24.36 |
| Normal | 0.70 | 1.08 | 1.60 | 2.65 | 4.05 | 4.18 | 2.83 | 3.23 | 3.20 | 2.30 | 1.57 | 0.90 | 28.29 |

NEWTON, HARVEY COUNTY. — Elevation, 1,454 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|-------|------|------|------|--------|
| 1931 | 0.42 | 0.42 | 1.80 | 2.21 | 4.06 | 3.93 | 0.91 | 3.34 | 3.48 | 1.39 | 7.16 | 0.61 | 29.73 |
| 1932 | 1.31 | 0.65 | 0.82 | 1.25 | 2.13 | 5.13 | 3.48 | 2.51 | 4.66 | 0.46 | 0.54 | 1.39 | 24.33 |
| 1933 | 0.20 | 0.24 | 1.43 | 0.26 | 3.19 | 0.41 | 3.99 | 5.42 | 2.10 | 0.38 | 0.55 | 0.94 | 19.11 |
| 1934 | 0.79 | 0.96 | 1.45 | 1.18 | 4.06 | 2.70 | 1.98 | 1.01 | 5.09 | 3.32 | 2.51 | 0.56 | 25.61 |
| 1935 | 0.70 | 0.99 | 1.05 | 1.40 | 12.21 | 4.39 | 0.91 | 2.19 | 3.04 | 3.69 | 2.60 | 0.20 | 33.37 |
| 1936 | 0.90 | 0.07 | 0.03 | 0.72 | 4.77 | 0.99 | 0.25 | 0.67 | 5.29 | 4.15 | 0.00 | 0.83 | 18.67 |
| 1937 | 1.66 | 0.54 | 1.55 | 0.61 | 6.22 | 1.57 | 4.10 | 2.30 | 2.67 | 1.18 | 0.68 | 0.32 | 23.40 |
| 1938 | 0.03 | 1.63 | 1.96 | 2.46 | 9.91 | 7.62 | 2.50 | 5.87 | 1.43 | 0.26 | 3.23 | 0.18 | 37.08 |
| 1939 | 0.50 | 1.44 | 1.75 | 1.44 | 1.68 | 8.80 | 3.38 | 7.02 | 0.39 | 0.53 | 0.79 | 0.68 | 28.40 |
| 1940 | 0.50 | 1.34 | 0.43 | 5.26 | 4.65 | 3.55 | 0.74 | 6.29 | 6.67 | 1.28 | 3.84 | 1.08 | 35.63 |
| 1941 | 1.54 | 1.09 | 1.11 | 2.50 | 3.02 | 7.16 | 3.18 | 4.21 | 6.18 | 6.68 | 0.93 | 1.42 | 39.02 |
| 1942 | 0.26 | 1.20 | 2.31 | 5.85 | 2.19 | 7.59 | 1.59 | 6.49 | 5.15 | 3.52 | 0.76 | 2.48 | 39.39 |
| 1943 | 0.12 | 0.72 | 0.98 | 1.69 | 4.33 | 4.27 | 7.54 | 2.02 | 5.56 | 2.48 | 0.08 | 2.85 | 32.64 |
| 1944 | 0.94 | 2.09 | 4.73 | 7.69 | 3.30 | 2.18 | 7.60 | 5.98 | 2.37 | 2.45 | 2.60 | 3.58 | 45.51 |
| 1945 | 1.44 | 1.23 | 1.36 | 8.98 | 1.05 | 3.48 | 5.14 | 1.86 | 10.29 | 1.24 | 0.06 | 0.63 | 36.76 |
| 1946 | 2.97 | 0.91 | 2.99 | 1.31 | 2.14 | 5.06 | 0.56 | 1.85 | 4.00 | 4.34 | 2.34 | 1.78 | 30.25 |
| Normal | 0.75 | 1.07 | 1.62 | 2.90 | 4.62 | 4.78 | 3.26 | 3.67 | 3.38 | 2.50 | 1.74 | 0.96 | 31.25 |

WICKERSON, RENO COUNTY. — Elevation, 1,601 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|-------|------|------|------|------|--------|
| 1941 | 1.47 | 1.21 | 0.96 | 1.11 | 3.01 | 7.47 | 2.44 | 2.77 | 3.26 | 6.26 | 0.63 | 0.91 | 31.50 |
| 1942 | 0.39 | 0.77 | 1.67 | 4.78 | 1.74 | 9.91 | 0.98 | 2.91 | 4.38 | 5.68 | 0.47 | 1.47 | 35.15 |
| 1943 | 0.21 | 0.80 | 0.62 | 1.35 | 3.41 | 3.76 | 4.92 | 3.81 | 1.59 | 3.12 | 0.07 | 2.24 | 25.90 |
| 1944 | 0.63 | 1.17 | 3.18 | 7.75 | 3.99 | 2.28 | 5.69 | 10.85 | 2.82 | 1.30 | 1.93 | 2.29 | 43.98 |
| 1945 | 1.22 | 1.52 | 1.96 | 4.82 | 0.78 | 3.25 | 4.21 | 2.24 | 6.28 | 1.53 | T | 0.71 | 28.52 |
| 1946 | 0.83 | 1.01 | 1.79 | 0.71 | 2.22 | 2.78 | 0.45 | 2.12 | 3.72 | 4.91 | 2.03 | 0.17 | 22.74 |
| Normal | 0.65 | 0.99 | 1.45 | 2.50 | 4.20 | 4.15 | 2.85 | 3.25 | 2.90 | 2.00 | 1.48 | 0.72 | 27.14 |

NORWICH, KINGMAN COUNTY. — Elevation, 1,496 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|------|------|------|------|------|------|------|--------|
| 1931 | 0.29 | 0.44 | 3.75 | 2.96 | 3.84 | 4.20 | 1.02 | 2.07 | 4.65 | 1.17 | 6.11 | 0.74 | 31.24 |
| 1932 | 1.47 | 0.93 | 0.71 | 1.76 | 2.68 | 7.46 | 3.73 | 1.69 | 0.67 | 0.63 | 0.15 | 1.01 | 22.89 |
| 1933 | 0.13 | 0.16 | 1.68 | 1.01 | 1.08 | 1.31 | 2.28 | 7.22 | 2.77 | 0.70 | 0.73 | 1.96 | 21.03 |
| 1934 | 2.32 | 1.17 | 0.88 | 2.96 | 2.76 | 2.06 | 1.17 | 0.88 | 6.19 | 1.78 | 2.40 | 1.05 | 25.62 |
| 1935 | 1.01 | 0.98 | 1.08 | 0.75 | 10.43 | 5.16 | 0.03 | 2.36 | 3.06 | 4.60 | 2.16 | 0.50 | 32.12 |
| 1936 | 0.82 | T | 0.00 | 0.84 | 4.27 | 2.61 | 2.56 | 0.40 | 3.90 | 3.20 | 0.00 | 0.98 | 19.58 |
| 1937 | 1.45 | 0.57 | 3.02 | 0.34 | 12.88 | 3.64 | 5.39 | 2.27 | 1.29 | 1.55 | 0.65 | 0.51 | 33.56 |
| 1938 | 0.01 | 2.39 | 1.99 | 4.04 | 10.58 | 3.59 | 2.62 | 4.14 | 4.34 | 0.43 | 4.41 | 0.14 | 38.68 |
| 1939 | 1.29 | 1.34 | 1.20 | 2.00 | 2.71 | 7.44 | 0.17 | 5.01 | 0.03 | 0.86 | 0.61 | 0.81 | 23.47 |
| 1940 | 0.79 | 1.37 | 0.65 | 4.48 | 2.36 | 4.09 | 2.49 | 1.92 | 1.53 | 1.55 | 3.44 | 1.25 | 25.92 |
| 1941 | 1.35 | 1.56 | 1.39 | 2.71 | 3.58 | 6.46 | 1.73 | 3.20 | 3.94 | 5.85 | 0.57 | 0.34 | 32.68 |
| 1942 | 0.46 | 1.71 | 1.05 | 5.05 | 0.62 | 8.42 | 1.32 | 4.11 | 3.00 | 4.14 | 0.47 | 2.48 | 32.83 |
| 1943 | 0.21 | 0.41 | 0.63 | 1.36 | 8.63 | 2.26 | 1.83 | 0.63 | 2.61 | 2.84 | 0.14 | 2.85 | 24.40 |
| 1944 | 0.34 | 1.42 | 3.14 | 6.78 | 2.58 | 2.72 | 1.87 | 6.57 | 2.17 | 2.52 | 2.79 | 3.01 | 35.91 |
| 1945 | 1.32 | 0.77 | 1.43 | 8.34 | 1.44 | 3.73 | 1.94 | 1.30 | 8.25 | 1.50 | 0.04 | 0.65 | 30.71 |
| 1946 | 1.89 | 1.65 | 1.06 | 1.13 | 3.87 | 1.37 | 0.89 | 2.40 | 0.42 | 7.16 | 2.33 | 1.43 | 25.60 |
| Normal | 0.70 | 1.01 | 1.47 | 2.93 | 4.51 | 4.44 | 2.67 | 3.33 | 3.10 | 2.47 | 1.72 | 0.93 | 29.28 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

OXFORD, SUMNER COUNTY. — Elevation, 1,163 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|-------|-------|------|------|------|------|-------|------|------|-------|--------|
| 1943 | *0.19 | 0.70 | *1.10 | *1.50 | 7.10 | 3.05 | 3.50 | 1.80 | 3.95 | 1.55 | 0.10 | *2.55 | 27.09 |
| 1944 | — | — | — | — | 3.11 | 4.58 | 2.15 | 8.12 | 4.37 | 3.74 | 2.48 | 4.39 | — |
| 1945 | 0.87 | 0.50 | 3.01 | 8.28 | 1.94 | 7.87 | 4.32 | 2.11 | 11.81 | 0.44 | T | 0.53 | 41.68 |
| 1946 | 1.32 | 1.44 | 1.83 | 1.93 | 3.99 | 1.11 | 0.73 | 1.76 | 1.00 | 1.89 | 2.13 | 0.69 | 19.82 |
| Normal | 0.96 | 1.30 | 1.64 | 3.16 | 4.80 | 4.80 | 3.30 | 3.18 | 3.61 | 2.58 | 1.89 | 1.20 | 32.42 |

PECK, SUMNER COUNTY. — Elevation, 1,280 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|-------|-------|-------|------|------|------|------|------|-------|------|-------|--------|
| 1943 | *0.23 | *0.69 | *1.26 | 1.46 | 6.94 | 4.34 | 3.49 | 0.31 | 2.21 | 1.92 | 0.05 | 2.42 | 25.32 |
| 1944 | 1.00 | 1.50 | 3.78 | 10.62 | 5.88 | 1.95 | 2.73 | 7.73 | 2.90 | 2.98 | 2.04 | 3.87 | 46.98 |
| 1945 | 1.36 | 0.82 | 2.23 | 7.22 | 1.45 | 4.77 | 4.98 | 5.56 | 8.65 | *0.60 | T | *0.55 | 38.19 |
| 1946 | 1.60 | 1.39 | 1.88 | 1.22 | 2.52 | 1.93 | 0.81 | 1.54 | 0.75 | 5.49 | 2.44 | 0.34 | 21.91 |
| Normal | 0.80 | 1.24 | 1.62 | 3.00 | 4.60 | 4.65 | 3.05 | 3.12 | 3.50 | 2.45 | 1.87 | 1.09 | 30.99 |

PHILLIPSBURG, PHILLIPS COUNTY. — Elevation, 1,939 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.06 | 1.12 | 2.74 | 2.48 | 1.28 | 2.07 | 4.17 | 7.32 | 0.78 | 2.46 | 2.47 | 0.65 | 27.60 |
| 1932 | 1.88 | 1.11 | 0.60 | 1.56 | 1.69 | 2.98 | 3.49 | 2.80 | 3.46 | 3.27 | 0.04 | 0.27 | 23.15 |
| 1933 | 0.14 | 0.08 | 1.07 | 3.31 | 2.68 | 0.23 | 2.04 | 3.17 | 3.00 | T | 0.48 | 1.50 | 17.70 |
| 1934 | 0.21 | 1.60 | 0.57 | 1.23 | 1.00 | 4.91 | 0.21 | 1.43 | 3.08 | 0.28 | 1.26 | 0.30 | 16.08 |
| 1935 | 0.09 | 0.50 | 0.19 | 0.95 | 5.19 | 3.90 | 1.14 | 2.57 | 3.60 | 1.48 | 1.87 | 0.18 | 21.66 |
| 1936 | 0.20 | 0.16 | 0.32 | 0.61 | 3.31 | 0.56 | 2.75 | 1.10 | 4.48 | 0.45 | 0.08 | 1.30 | 15.32 |
| 1937 | 0.98 | 0.25 | 0.61 | 0.73 | 1.60 | 4.02 | 2.21 | 2.01 | 1.02 | 2.56 | 0.17 | 0.07 | 16.23 |
| 1938 | 0.31 | 0.66 | 1.33 | 2.31 | 4.67 | 2.22 | 2.66 | 1.93 | 1.91 | 0.20 | 0.16 | T | 18.36 |
| 1939 | 0.57 | 0.52 | 2.54 | 1.35 | 0.83 | 3.99 | 0.90 | 2.24 | 0.10 | 0.14 | T | 0.58 | 13.36 |
| 1940 | 0.60 | 0.68 | 1.73 | 1.13 | 3.01 | 0.44 | 1.54 | 2.94 | 1.62 | 1.96 | 1.99 | 0.66 | 17.90 |
| 1941 | 1.08 | 0.84 | 0.61 | 5.58 | 2.45 | 8.69 | 2.29 | 1.08 | 5.46 | 1.68 | 0.75 | 1.38 | 31.89 |
| 1942 | 0.15 | 0.80 | 2.40 | 3.07 | 1.57 | 5.97 | 0.74 | 4.32 | 4.51 | 0.72 | 0.24 | 1.20 | 25.69 |
| 1943 | 0.11 | 0.48 | 0.50 | 4.22 | 1.47 | 4.45 | 4.25 | 2.27 | 1.30 | T | 0.11 | 0.24 | 19.40 |
| 1944 | 1.12 | 1.34 | 2.68 | 7.38 | 2.20 | 3.64 | 3.28 | 2.80 | 0.40 | 0.73 | 1.75 | 0.16 | 27.48 |
| 1945 | 0.69 | 0.39 | 0.15 | 5.78 | 1.80 | 4.49 | 4.06 | 1.40 | 1.43 | 0.35 | 0.07 | 0.80 | 21.41 |
| 1946 | 0.22 | T | 2.23 | T | 5.60 | 2.90 | 2.73 | 2.95 | 4.40 | 5.48 | 1.77 | T | 28.28 |
| Normal | 0.39 | 0.68 | 0.98 | 2.32 | 3.04 | 3.67 | 2.84 | 2.79 | 2.64 | 1.44 | 0.91 | 0.71 | 22.41 |

PLAINVILLE, ROOKS COUNTY. — Elevation, 2,156 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.09 | 0.30 | 3.22 | 3.48 | 1.46 | 3.04 | 3.99 | 4.96 | 1.59 | 1.27 | 2.74 | 0.79 | 26.93 |
| 1932 | 2.25 | 1.08 | 0.88 | 2.14 | 1.05 | 4.24 | 1.38 | 0.99 | 3.69 | 2.16 | 0.13 | 0.54 | 20.13 |
| 1933 | 0.12 | 0.16 | 0.65 | 1.18 | 2.54 | 2.07 | 1.62 | 4.67 | 2.07 | T | 0.51 | 1.52 | 17.11 |
| 1934 | 0.48 | 1.40 | 0.43 | 0.73 | 1.82 | 2.88 | 0.81 | 0.71 | 1.63 | 0.25 | 1.35 | 0.12 | 12.61 |
| 1935 | 0.13 | 0.85 | 0.27 | 0.46 | 7.36 | 6.42 | 0.07 | 2.27 | 4.15 | 1.72 | 1.91 | 0.17 | 25.78 |
| 1936 | 0.13 | 0.20 | 0.09 | 0.66 | 3.38 | 0.43 | 1.49 | 2.45 | 4.50 | 1.74 | T | 0.39 | 15.46 |
| 1937 | 1.20 | 0.48 | 0.57 | 0.45 | 3.27 | 4.48 | 1.53 | 1.55 | 1.10 | 1.92 | 0.49 | 0.19 | 17.23 |
| 1938 | 0.23 | 0.82 | 1.67 | 2.60 | 4.09 | 3.06 | 3.05 | 0.67 | 1.70 | 0.07 | 0.53 | T | 18.49 |
| 1939 | 0.59 | 1.35 | 1.76 | 1.74 | 1.75 | 3.67 | 1.15 | 3.11 | 0.52 | 0.16 | 0.04 | 0.90 | 16.74 |
| 1940 | 0.62 | 0.39 | 1.25 | 1.81 | 6.19 | 1.08 | 3.79 | 3.17 | 2.55 | 0.73 | 2.26 | 0.68 | 24.52 |
| 1941 | 1.01 | 0.55 | 0.42 | 4.62 | 4.58 | 6.85 | 0.91 | 1.28 | 8.45 | 3.01 | 1.13 | 1.10 | 33.91 |
| 1942 | 0.35 | 0.58 | 1.60 | 4.85 | 0.91 | 5.53 | 1.34 | 5.77 | 2.14 | 1.62 | 0.52 | 1.64 | 26.85 |
| 1943 | 0.16 | 0.61 | 0.71 | 2.75 | 2.23 | 5.35 | 4.55 | 5.25 | 1.85 | 0.38 | 0.31 | 0.68 | 24.83 |
| 1944 | 1.26 | 1.34 | 2.79 | 5.24 | 3.06 | 1.92 | 7.97 | 4.61 | 0.44 | 0.86 | 1.81 | 0.83 | 32.13 |
| 1945 | 0.75 | 0.85 | 0.30 | 4.22 | 3.16 | 6.62 | 4.85 | 0.57 | 1.88 | 0.64 | 0.03 | 1.00 | 24.87 |
| 1946 | 0.45 | 0.10 | 2.69 | 0.73 | 6.02 | 2.22 | 2.14 | 2.01 | 3.28 | 3.79 | 2.62 | 0.15 | 26.20 |
| Normal | 0.40 | 0.83 | 1.05 | 2.28 | 2.98 | 3.89 | 2.70 | 2.77 | 2.37 | 1.40 | 1.07 | 0.70 | 22.44 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

PRATT, PRATT COUNTY. — Elevation, 1,880 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.09 | 0.23 | 3.93 | 2.51 | 3.41 | 1.72 | 1.35 | 2.71 | 1.48 | 1.19 | 4.44 | 0.37 | 23.43 |
| 1932 | 0.88 | 0.81 | 0.47 | 1.79 | 1.25 | 8.26 | 2.89 | 1.91 | 2.82 | 0.38 | T | 0.44 | 21.90 |
| 1933 | 0.14 | 0.20 | 0.28 | 1.76 | 2.44 | 1.48 | 0.88 | 4.31 | 0.40 | 0.82 | 0.38 | 0.60 | 13.69 |
| 1934 | 0.50 | 1.03 | 1.14 | 1.29 | 1.49 | 5.42 | 1.24 | 1.78 | 5.20 | 1.32 | 2.01 | 0.33 | 22.75 |
| 1935 | 0.74 | 0.67 | 1.12 | 0.56 | 9.02 | 4.83 | T | 1.94 | 1.44 | 1.53 | 1.55 | 0.05 | 23.45 |
| 1936 | 0.83 | T | T | 1.31 | 4.76 | 1.49 | 0.33 | 0.19 | 4.83 | 2.18 | 0.00 | 0.86 | 16.78 |
| 1937 | 1.34 | 0.46 | 1.02 | 0.07 | 4.33 | 3.00 | 2.67 | 1.90 | 1.95 | 1.30 | 0.25 | 0.34 | 18.63 |
| 1938 | 0.00 | 1.69 | 1.54 | 2.39 | 8.38 | 4.29 | 3.73 | 2.47 | 2.30 | 0.07 | 0.41 | 0.09 | 27.36 |
| 1939 | 1.05 | 1.02 | 0.79 | 1.55 | 1.51 | 5.86 | 1.23 | 4.15 | 0.00 | 0.06 | 1.25 | 0.98 | 19.45 |
| 1940 | 1.08 | 1.69 | 0.22 | 4.17 | 4.61 | 3.88 | 1.27 | 3.37 | 2.29 | 1.05 | 1.94 | 1.32 | 26.89 |
| 1941 | 1.02 | 2.14 | 2.33 | 1.33 | 6.31 | 5.87 | 1.50 | 1.81 | 2.04 | 9.51 | 0.45 | 0.48 | 34.79 |
| 1942 | 0.18 | 1.03 | 1.50 | 3.55 | 1.16 | 3.74 | 2.92 | 3.23 | 2.17 | 6.15 | 0.35 | 2.13 | 28.11 |
| 1943 | 0.09 | 0.52 | 0.32 | 2.22 | 3.15 | 2.27 | 1.63 | 1.42 | 2.15 | 2.90 | 0.16 | 2.12 | 18.95 |
| 1944 | 0.92 | 1.28 | 1.89 | 5.98 | 6.33 | 1.20 | 3.25 | 6.93 | 2.49 | 1.50 | 1.40 | 2.27 | 35.44 |
| 1945 | 2.06 | 1.12 | 1.49 | 6.67 | 1.07 | 2.65 | 2.17 | 1.38 | 6.72 | 0.72 | 0.00 | 0.41 | 26.46 |
| 1946 | 0.19 | 1.82 | 0.89 | 0.89 | 1.87 | 1.62 | 0.22 | 4.60 | 1.35 | 4.46 | 2.60 | 0.24 | 20.75 |
| Normal | 0.56 | 0.85 | 1.18 | 2.35 | 3.60 | 3.48 | 2.77 | 2.65 | 2.62 | 2.18 | 1.31 | 0.68 | 24.23 |

RUSSELL, RUSSELL COUNTY. — Elevation, 1,834 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | 0.02 | 0.35 | 3.90 | 3.54 | 1.16 | 0.95 | 0.89 | 3.23 | 0.42 | 1.92 | 2.63 | 1.05 | 20.06 |
| 1932 | 2.20 | 0.71 | 0.80 | 1.75 | 3.11 | 5.92 | 1.96 | 4.05 | 3.84 | 1.41 | 0.50 | 0.20 | 26.45 |
| 1933 | 0.08 | 0.03 | 0.54 | 0.30 | 1.94 | 0.61 | 3.38 | 3.99 | 0.93 | 0.06 | 0.67 | 0.54 | 13.07 |
| 1934 | 0.30 | 1.55 | 0.52 | 0.19 | 1.53 | 5.19 | 0.53 | 1.72 | 4.29 | 0.60 | 1.48 | T | 17.90 |
| 1935 | 0.01 | 0.56 | 0.35 | 0.23 | 5.58 | 3.62 | 0.03 | 3.08 | 2.90 | 1.20 | 1.64 | 0.10 | 19.30 |
| 1936 | 0.67 | 0.15 | T | 0.96 | 3.71 | 0.84 | 0.95 | 1.04 | 4.33 | 1.86 | 0.00 | 0.64 | 15.15 |
| 1937 | 1.23 | 1.15 | 1.08 | 0.54 | 2.42 | 2.52 | 3.45 | 0.88 | 2.89 | 2.13 | 0.75 | 0.17 | 19.21 |
| 1938 | 0.15 | 1.80 | 1.64 | 2.71 | 8.55 | 1.99 | 0.87 | 1.83 | 2.67 | 0.16 | 0.75 | T | 23.12 |
| 1939 | 0.89 | 1.89 | 0.88 | 5.36 | 0.25 | 4.56 | 2.33 | 4.90 | 0.46 | 0.42 | 0.24 | 0.73 | 22.91 |
| 1940 | 0.72 | 0.48 | 0.86 | 2.65 | 2.09 | 2.07 | 4.27 | 2.58 | 3.29 | 1.74 | 2.87 | 0.86 | 24.48 |
| 1941 | 1.34 | 0.82 | 1.29 | 3.74 | 4.44 | 5.96 | 1.58 | 4.62 | 4.10 | 4.75 | 1.98 | 0.84 | 35.46 |
| 1942 | 0.24 | 1.03 | 1.77 | 4.47 | 1.36 | 5.25 | 1.89 | 3.24 | 3.02 | 2.36 | 0.22 | 1.27 | 26.12 |
| 1943 | 0.12 | 0.85 | 0.68 | 2.95 | 3.86 | 2.66 | 2.58 | 3.50 | 3.35 | 1.06 | 0.39 | 0.89 | 22.89 |
| 1944 | 1.98 | 2.00 | 3.21 | 5.10 | 2.94 | 1.96 | 7.75 | 6.54 | 1.25 | 1.45 | 1.05 | 1.12 | 36.35 |
| 1945 | 0.84 | 0.70 | 0.27 | 3.83 | 4.81 | 6.90 | 1.99 | 1.93 | 2.30 | 0.77 | T | 1.22 | 25.56 |
| 1946 | 0.48 | 0.35 | 1.47 | 1.23 | 4.64 | 1.52 | 4.89 | 1.56 | 4.67 | 3.38 | 2.57 | 0.05 | 26.81 |
| Normal | 0.44 | 0.91 | 1.07 | 2.46 | 3.39 | 4.19 | 2.89 | 3.38 | 2.35 | 1.65 | 1.16 | 0.64 | 24.53 |

SALINA, SALINE COUNTY. — Elevation, 1,227 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | 0.08 | 0.70 | 2.74 | 2.38 | 2.20 | 1.99 | 1.10 | 2.12 | 1.41 | 1.02 | 3.93 | 0.55 | 20.22 |
| 1932 | 1.59 | 1.00 | 1.22 | 1.35 | 2.32 | 7.39 | 5.14 | 5.61 | 2.49 | 0.90 | 0.12 | 0.80 | 29.93 |
| 1933 | 0.18 | 0.27 | 1.75 | 3.93 | 3.26 | 0.28 | 3.60 | 3.54 | 1.70 | 0.25 | 0.43 | 0.24 | 19.43 |
| 1934 | 0.30 | 1.44 | 0.47 | 0.25 | 4.06 | 4.68 | 1.52 | 0.54 | 3.83 | 0.23 | 2.62 | 0.29 | 20.23 |
| 1935 | 0.16 | 1.25 | 0.74 | 0.90 | 8.58 | 5.04 | 3.26 | 2.76 | 4.12 | 3.47 | 2.09 | 0.22 | 32.59 |
| 1936 | 0.71 | 0.46 | 0.13 | 1.45 | 5.79 | 1.39 | 0.37 | 0.73 | 4.57 | 1.47 | 0.00 | 0.65 | 17.72 |
| 1937 | 1.51 | 1.05 | 1.17 | 0.21 | 4.01 | 2.65 | 1.73 | 1.71 | 0.88 | 2.13 | 1.60 | 0.27 | 18.92 |
| 1938 | T | 1.12 | 2.12 | 2.58 | 7.90 | 6.04 | 0.95 | 3.66 | 0.99 | 0.19 | 1.38 | 0.10 | 27.03 |
| 1939 | 0.36 | 1.97 | 1.42 | 1.12 | 1.91 | 3.02 | 1.26 | 4.48 | 0.30 | 0.69 | 1.00 | 0.60 | 18.13 |
| 1940 | 0.63 | 1.52 | 0.55 | 2.76 | 4.39 | 2.48 | 0.21 | 2.95 | 4.57 | 1.23 | 3.27 | 1.23 | 25.79 |
| 1941 | 1.66 | 0.79 | 1.03 | 1.44 | 3.12 | 4.27 | 2.42 | 6.23 | 7.46 | 7.36 | 0.88 | 1.40 | 38.06 |
| 1942 | 0.46 | 0.87 | 1.87 | 4.15 | 2.51 | 9.85 | 0.68 | 6.58 | 9.43 | 4.13 | 0.70 | 1.96 | 43.19 |
| 1943 | 0.26 | 0.82 | 0.81 | 2.68 | 2.74 | 7.71 | 3.30 | 1.68 | 2.08 | 2.61 | 0.23 | 1.77 | 26.69 |
| 1944 | 0.42 | 1.15 | 3.81 | 7.09 | 2.06 | 2.31 | 6.07 | 6.42 | 1.47 | 1.03 | 1.76 | 2.11 | 35.70 |
| 1945 | 0.81 | 1.44 | 1.80 | 5.73 | 3.75 | 3.13 | 6.06 | 2.85 | 4.11 | 0.39 | 0.03 | 0.80 | 30.90 |
| 1946 | 0.64 | 0.40 | 1.61 | 0.89 | 5.24 | 2.46 | 2.13 | 6.25 | 4.58 | 3.04 | 1.86 | 0.08 | 29.18 |
| Normal | 0.62 | 1.08 | 1.33 | 2.34 | 3.91 | 4.50 | 2.70 | 3.38 | 2.95 | 2.02 | 1.42 | 0.75 | 27.00 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

SCANDIA, REPUBLIC COUNTY. — Elevation, 1,423 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|-------|------|------|------|------|------|------|--------|
| 1940 | — | — | — | — | — | — | 1.10 | 2.59 | 3.39 | 1.54 | 3.02 | 1.12 | — |
| 1941 | 0.98 | 0.82 | 0.85 | 2.52 | 3.03 | 13.51 | 2.26 | 0.99 | 6.49 | 7.61 | 2.32 | 2.13 | 43.51 |
| 1942 | 0.20 | 1.10 | 2.12 | 1.62 | 3.54 | 5.89 | 3.14 | 3.74 | 4.91 | 1.09 | 0.31 | 1.04 | 28.70 |
| 1943 | 0.02 | 0.85 | 0.53 | 4.55 | 4.85 | 11.21 | 2.83 | 1.27 | 1.60 | 0.88 | 0.33 | 0.34 | 29.26 |
| 1944 | 1.28 | 0.84 | 2.02 | 5.64 | 4.76 | 7.35 | 4.83 | 6.14 | 1.96 | 1.19 | 1.91 | 0.56 | 38.48 |
| 1945 | 0.50 | 0.80 | 0.59 | 5.29 | 8.18 | 2.83 | 4.76 | 1.21 | 3.09 | 0.40 | 0.04 | 1.45 | 29.14 |
| 1946 | 0.65 | T | 1.79 | 0.21 | 3.53 | 6.26 | 5.98 | 2.44 | 5.13 | 2.69 | 3.07 | 0.06 | 31.81 |
| Normal | 0.54 | 0.94 | 1.15 | 2.39 | 4.00 | 4.22 | 3.00 | 3.00 | 2.80 | 1.65 | 1.12 | 0.72 | 25.53 |

SEDGWICK, HARVEY COUNTY. — Elevation, 1,377 feet

| | | | | | | | | | | | | | |
|--------|------|-------|------|------|-------|------|------|------|------|------|------|------|-------|
| 1931 | 0.42 | 0.47 | 2.34 | 2.48 | 2.97 | 3.81 | 0.58 | 1.97 | 3.26 | 1.63 | 6.00 | 0.55 | 26.48 |
| 1932 | 2.08 | 0.67 | 0.60 | 1.62 | 2.49 | 5.82 | 2.35 | 3.21 | 4.20 | 0.42 | 0.21 | 1.25 | 24.92 |
| 1933 | 0.12 | 0.21 | 1.58 | 0.19 | 2.01 | 0.49 | 3.63 | 7.03 | 2.13 | 0.56 | 0.80 | 1.06 | 19.81 |
| 1934 | 1.03 | 0.97 | 1.57 | 1.65 | 3.88 | 1.59 | 1.45 | 0.56 | 2.67 | 2.37 | 2.25 | 0.53 | 20.52 |
| 1935 | 0.63 | 1.26 | 1.10 | 1.44 | 10.57 | 3.79 | 0.07 | 1.19 | 2.45 | 2.99 | 2.83 | 0.39 | 28.71 |
| 1936 | 0.85 | 0.05 | T | 1.21 | 3.60 | 1.35 | 0.16 | 0.19 | 4.66 | 4.30 | T | 0.56 | 16.93 |
| 1937 | 1.62 | 0.72 | 1.63 | 0.55 | 6.15 | 1.99 | 6.93 | 2.06 | 3.75 | 0.73 | 1.00 | 0.34 | 27.47 |
| 1938 | 0.08 | 1.95 | 1.84 | 2.33 | 9.39 | 5.38 | 2.09 | 4.30 | 4.22 | 0.40 | 3.33 | 0.11 | 35.42 |
| 1939 | 0.61 | 1.48 | 1.69 | 1.48 | 2.36 | 7.47 | 2.06 | 5.53 | 0.45 | 0.51 | 0.92 | 0.73 | 25.29 |
| 1940 | 1.37 | 1.79 | 0.52 | 4.81 | 3.76 | 2.23 | 0.76 | 3.34 | 4.63 | 1.04 | 4.20 | 1.10 | 29.55 |
| 1941 | 1.39 | 0.74 | 1.20 | 2.74 | 4.71 | 8.94 | 3.77 | 2.87 | 4.35 | 6.22 | 0.71 | 1.07 | 38.71 |
| 1942 | 0.26 | 1.30 | 1.41 | 5.47 | 2.02 | 8.06 | 3.07 | 5.75 | 6.96 | 3.86 | 0.68 | 2.61 | 41.45 |
| 1943 | 0.07 | 0.74 | 1.06 | 2.21 | 5.42 | 3.24 | 5.00 | 3.12 | 3.99 | 1.91 | 0.12 | 2.16 | 29.04 |
| 1944 | 0.92 | 1.62 | 4.85 | 8.54 | 3.07 | 2.86 | 4.27 | 5.21 | 2.59 | 2.72 | 3.02 | 2.88 | 42.55 |
| 1945 | 0.96 | 0.90 | 1.00 | 8.78 | 0.91 | 3.75 | 5.19 | 3.43 | 9.17 | 0.89 | 0.05 | 0.67 | 35.70 |
| 1946 | 2.41 | *0.95 | 3.92 | 1.40 | 1.96 | 2.45 | 0.68 | 0.73 | 1.52 | 4.19 | 2.35 | 1.49 | 24.05 |
| Normal | 0.75 | 1.08 | 1.62 | 2.93 | 4.25 | 4.60 | 2.90 | 3.63 | 3.40 | 2.40 | 1.66 | 0.98 | 30.20 |

SMITH CENTER, SMITH COUNTY. — Elevation, 1,800 feet

| | | | | | | | | | | | | | |
|--------|------|-------|------|------|------|-------|------|------|------|------|------|------|-------|
| 1931 | 0.05 | 0.46 | 1.90 | 2.47 | 1.37 | 0.72 | 1.99 | 6.92 | 0.60 | 2.21 | 2.42 | 0.62 | 21.73 |
| 1932 | 1.33 | *1.05 | 0.73 | 0.53 | 1.75 | 3.01 | 2.59 | 1.82 | 2.63 | 2.21 | 0.06 | 0.17 | 17.88 |
| 1933 | 0.00 | T | 0.93 | 3.35 | 1.75 | 0.00 | 2.75 | 3.00 | 1.55 | 0.00 | 0.23 | 1.45 | 15.01 |
| 1934 | 0.25 | 1.45 | 0.22 | 0.92 | 0.62 | 2.25 | 0.00 | 1.55 | 1.78 | 0.20 | 0.70 | 0.08 | 10.02 |
| 1935 | 0.00 | 0.30 | 0.10 | 0.60 | 8.68 | 3.96 | 0.37 | 5.25 | 6.81 | 1.65 | 1.35 | T | 29.07 |
| 1936 | 0.12 | 0.15 | 0.05 | 0.62 | 1.60 | 1.00 | 0.60 | 2.40 | 2.82 | 0.67 | T | 0.08 | 10.11 |
| 1937 | 0.40 | 0.18 | 0.37 | 1.17 | 2.58 | 3.14 | 2.55 | 0.65 | 0.48 | 2.40 | 0.36 | 0.11 | 14.39 |
| 1938 | 0.22 | 1.14 | 1.65 | 2.23 | 2.78 | 2.42 | 3.82 | 2.80 | 2.41 | 0.30 | 0.30 | 0.00 | 20.07 |
| 1939 | 0.68 | 0.65 | 2.03 | 0.79 | 2.15 | 5.59 | 0.54 | 1.90 | 0.00 | 0.00 | 0.05 | 0.47 | 14.85 |
| 1940 | 0.34 | 0.40 | 1.23 | 1.83 | 3.15 | 1.20 | 1.28 | 1.48 | 1.90 | 1.25 | 1.89 | 0.48 | 16.43 |
| 1941 | 0.34 | 0.51 | 0.63 | 3.98 | 2.31 | 11.12 | 3.59 | 1.17 | 2.96 | 1.63 | 0.87 | 1.15 | 30.26 |
| 1942 | 0.16 | 0.35 | 2.16 | 3.23 | 2.59 | 3.64 | 3.58 | 2.97 | 4.26 | 1.13 | 0.25 | 1.24 | 25.56 |
| 1943 | 0.03 | 0.69 | 0.41 | 3.42 | 1.32 | 5.12 | 1.67 | 1.33 | 1.02 | 0.44 | 0.12 | 0.21 | 15.78 |
| 1944 | 1.03 | 1.08 | 2.24 | 5.06 | 5.11 | 6.32 | 2.34 | 6.46 | 0.87 | 0.75 | 1.42 | 0.25 | 32.93 |
| 1945 | 0.49 | 0.61 | 0.22 | 4.25 | 4.23 | 4.89 | 3.36 | 0.81 | 1.88 | 0.35 | T | 1.44 | 22.53 |
| 1946 | 0.44 | T | 1.96 | T | 3.78 | 3.73 | 7.15 | 7.76 | 5.15 | 3.73 | 1.77 | T | 35.47 |
| Normal | 0.40 | 0.75 | 1.00 | 2.24 | 3.10 | 3.90 | 2.84 | 3.00 | 2.26 | 1.51 | 0.98 | 0.70 | 22.68 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

SOLOMON, DICKINSON COUNTY. — Elevation, 1,176 feet

(Record made at Miles from Jan. 1943 to Aug. 1946.)

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|-------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.06 | 0.95 | 2.63 | 2.26 | 3.49 | 2.12 | 1.51 | 3.92 | 2.31 | 0.95 | 3.44 | 0.22 | 23.86 |
| 1932 | 1.52 | 0.81 | 1.17 | 1.61 | 2.95 | 6.60 | 7.33 | 5.05 | 4.27 | 0.98 | 0.11 | 0.85 | 33.25 |
| 1933 | 0.05 | 0.13 | 1.84 | 2.30 | 3.55 | 0.18 | 2.83 | 4.39 | 1.99 | 0.16 | 0.45 | 0.51 | 18.38 |
| 1934 | 0.25 | 0.95 | 0.42 | 0.15 | 2.90 | 4.47 | 0.96 | 0.19 | 4.79 | 0.25 | — | — | — |
| 1943 | *0.20 | *0.75 | 0.16 | 2.46 | 2.75 | 5.42 | 3.68 | 1.94 | 2.92 | 2.20 | 0.23 | 0.87 | 23.58 |
| 1944 | 0.50 | 1.00 | 2.73 | 6.28 | 2.11 | 2.26 | 3.48 | 8.94 | 1.15 | 0.94 | 1.83 | 1.83 | 33.05 |
| 1945 | 0.64 | 0.95 | 2.19 | 6.03 | 3.40 | 4.99 | 5.36 | 1.38 | 4.71 | 0.35 | 0.02 | 0.83 | 30.85 |
| 1946 | 0.48 | 0.28 | 1.59 | 1.64 | 4.71 | 2.76 | — | 5.94 | — | 3.32 | 1.94 | 0.07 | — |
| Normal | 0.62 | 1.01 | 1.15 | 2.39 | 3.92 | 4.20 | 2.72 | 3.40 | 2.98 | 2.00 | 1.38 | 0.73 | 26.50 |

STOCKTON, ROOKS COUNTY. — Elevation, 1,775 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1936 | — | — | — | — | — | — | 1.89 | 1.81 | 6.45 | 1.29 | T | 0.73 | — |
| 1937 | 1.09 | 0.45 | 0.33 | 0.37 | 2.55 | 5.21 | 1.61 | 1.22 | 1.77 | 2.10 | 1.32 | 0.16 | 18.18 |
| 1938 | 0.27 | 0.96 | 1.74 | 2.76 | 3.93 | 3.02 | 1.35 | 1.54 | 1.07 | T | 0.36 | 0.00 | 17.00 |
| 1939 | 0.49 | 0.97 | 2.23 | 1.67 | 1.84 | 1.87 | 1.11 | 2.65 | 0.09 | 0.00 | 0.09 | 0.36 | 13.37 |
| 1940 | 0.55 | 0.52 | 2.60 | 1.67 | 3.99 | 0.89 | 3.33 | 2.37 | 4.57 | 1.36 | 2.54 | 0.82 | 25.21 |
| 1941 | 1.11 | 1.00 | 0.63 | 3.99 | 3.91 | 7.24 | 1.77 | 0.79 | 7.93 | 2.35 | 0.88 | 1.24 | 32.84 |
| 1942 | 0.07 | 0.47 | 1.97 | 4.09 | 1.83 | 4.67 | 1.37 | 5.46 | 2.14 | 2.00 | 0.67 | 1.84 | 26.58 |
| 1943 | 0.11 | 0.63 | 0.71 | 5.26 | 1.27 | 4.12 | 2.68 | 1.88 | 1.97 | 0.07 | 0.15 | 0.40 | 19.25 |
| 1944 | 1.22 | 1.73 | 3.79 | 4.95 | 3.41 | 2.06 | 5.19 | 2.48 | 0.32 | 0.77 | 1.25 | 0.65 | 27.82 |
| 1945 | 0.88 | 0.65 | 0.14 | 4.74 | 2.71 | 4.23 | 2.00 | 0.76 | 1.52 | 0.32 | 0.02 | 0.95 | 18.92 |
| 1946 | 0.41 | 0.07 | 1.41 | 0.07 | 5.33 | 3.72 | 1.80 | 1.81 | 2.97 | 4.06 | 1.81 | 0.01 | 23.47 |
| Normal | 0.40 | 0.78 | 1.00 | 2.20 | 2.90 | 3.70 | 2.70 | 2.75 | 2.50 | 1.40 | 0.99 | 0.70 | 22.02 |

THOUSDALE, EDWARDS COUNTY. — Elevation, 2,050 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | 0.17 | 0.29 | 4.77 | 2.74 | 2.83 | 2.32 | 0.84 | 1.81 | 3.25 | 0.67 | 2.22 | 0.51 | 22.42 |
| 1932 | 1.23 | 0.35 | 0.60 | 1.42 | 2.44 | 3.82 | 1.31 | 3.45 | 0.51 | 0.27 | 0.11 | 0.38 | 15.89 |
| 1933 | 0.02 | 0.23 | 0.10 | 4.24 | 2.90 | 0.33 | 1.06 | 6.56 | 2.68 | 0.54 | 0.22 | 0.40 | 19.28 |
| 1934 | 0.65 | 1.17 | 0.65 | 1.02 | 3.53 | 2.53 | 0.24 | 3.27 | 4.22 | 1.57 | 1.00 | 0.12 | 19.97 |
| 1935 | 0.67 | 0.59 | 0.66 | 0.28 | 7.39 | 2.97 | 0.71 | 0.61 | 2.32 | 0.88 | 1.16 | 0.02 | 18.26 |
| 1936 | 0.60 | 0.02 | 0.02 | 0.64 | 4.07 | 3.50 | 1.17 | 0.81 | 5.39 | 1.34 | 0.00 | 0.89 | 18.45 |
| 1937 | 1.02 | 0.81 | 1.18 | 0.26 | 3.29 | 3.17 | 2.28 | 2.10 | 1.66 | 1.02 | 0.46 | 0.23 | 17.48 |
| 1938 | 0.00 | 1.39 | 1.41 | 3.32 | 7.26 | 3.78 | 2.86 | 1.56 | 2.98 | 0.02 | 0.52 | 0.05 | 25.15 |
| 1939 | 0.59 | 1.39 | 0.77 | 0.90 | 0.89 | 3.07 | 1.09 | 3.51 | T | 0.20 | 0.45 | 0.81 | 13.67 |
| 1940 | 0.23 | 0.93 | 0.15 | 3.87 | 4.42 | 2.80 | 1.56 | 2.14 | 3.17 | 0.72 | 2.27 | 1.12 | 23.38 |
| 1941 | 1.61 | 1.38 | 0.93 | 1.74 | 5.14 | 6.24 | 2.60 | 1.70 | 1.43 | 5.70 | 0.82 | 0.24 | 29.53 |
| 1942 | 0.19 | 0.70 | 1.69 | 4.95 | 1.43 | 5.39 | 4.29 | 3.25 | 2.71 | 4.45 | 0.21 | 1.49 | 30.75 |
| 1943 | 0.09 | 0.24 | 0.38 | 0.63 | 2.41 | 1.22 | 1.92 | 2.19 | 0.43 | 1.91 | 0.19 | 2.68 | 14.29 |
| 1944 | 0.55 | 1.80 | 1.08 | 4.93 | 7.51 | 2.20 | 5.60 | 9.01 | 2.16 | 1.68 | 0.84 | 1.75 | 39.11 |
| 1945 | 0.97 | 1.09 | 1.11 | 5.64 | 0.98 | 2.55 | 1.43 | 2.02 | 2.73 | 2.16 | 0.00 | 0.35 | 21.03 |
| 1946 | 0.43 | 1.49 | 1.52 | 0.45 | 2.37 | 1.49 | 0.07 | 3.30 | 1.10 | 4.35 | 2.47 | 0.17 | 19.21 |
| Normal | 0.42 | 0.85 | 1.15 | 2.15 | 3.34 | 3.50 | 2.60 | 2.58 | 2.46 | 1.59 | 1.25 | 0.55 | 22.44 |

WAKEFIELD, CLAY COUNTY. — Elevation, 1,154 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1941 | — | — | — | — | — | — | 0.69 | 3.75 | 8.06 | 9.98 | 1.36 | 1.44 | — |
| 1942 | 0.55 | 0.67 | 1.63 | 3.87 | 4.65 | 8.33 | 0.60 | 3.56 | 8.14 | 4.72 | 0.52 | 1.48 | 38.72 |
| 1943 | 0.12 | 0.80 | 0.50 | 2.65 | 4.07 | 7.37 | 5.22 | 2.17 | 3.61 | 1.52 | 0.29 | 1.21 | 29.53 |
| 1944 | 0.74 | 0.71 | 3.90 | 7.51 | 2.78 | 3.70 | 4.48 | 8.63 | 1.25 | 1.61 | 2.31 | 1.91 | 39.53 |
| 1945 | 0.79 | 1.04 | 2.98 | 7.87 | 5.59 | 6.77 | 8.54 | 2.92 | 4.95 | 0.90 | 0.06 | 1.27 | 43.28 |
| 1946 | 0.90 | 0.19 | 1.91 | 1.72 | 1.80 | 2.61 | 2.25 | 2.90 | 5.24 | 3.33 | 1.74 | 0.04 | 24.63 |
| Normal | 0.69 | 1.00 | 1.50 | 2.55 | 4.00 | 4.50 | 3.02 | 3.95 | 3.40 | 2.50 | 1.65 | 0.88 | 29.64 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

MIDDLE DIVISION

WELLINGTON, SUMNER COUNTY. — Elevation, 1,228 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------|-------|------|------|------|------|------|------|--------|
| 1931 | 0.42 | 0.81 | 2.84 | 3.13 | 4.30 | 3.17 | 3.24 | 2.00 | 2.46 | 1.31 | 5.48 | 0.55 | 29.71 |
| 1932 | 1.47 | 0.91 | 0.95 | 1.92 | 1.63 | 5.85 | 2.86 | 1.62 | 3.62 | 0.80 | 0.41 | 2.46 | 24.50 |
| 1933 | 0.32 | 0.22 | 1.61 | 1.05 | 3.08 | 0.54 | 3.64 | 9.40 | 2.30 | 1.64 | 1.06 | 2.73 | 27.59 |
| 1934 | 1.21 | 0.94 | 1.49 | 2.55 | 3.39 | 1.91 | 1.55 | 0.63 | 7.33 | 3.35 | 5.99 | 1.22 | 31.16 |
| 1935 | 1.26 | 1.48 | 1.72 | 0.99 | 10.48 | 6.68 | 0.93 | 0.83 | 3.17 | 2.50 | 4.03 | 0.66 | 34.73 |
| 1936 | 0.79 | 0.11 | T | 0.86 | 6.02 | 2.43 | 0.87 | 0.22 | 4.41 | 2.68 | 0.12 | 1.84 | 20.35 |
| 1937 | 1.57 | 0.90 | 2.20 | 1.49 | 5.53 | 4.25 | 3.01 | 2.78 | 2.81 | 1.54 | 1.08 | 1.43 | 28.59 |
| 1938 | 0.05 | 2.66 | 2.26 | 3.11 | 9.75 | 3.29 | 2.75 | 4.81 | 3.32 | 0.15 | 1.96 | 0.29 | 34.40 |
| 1939 | 1.65 | 1.34 | 1.30 | 1.87 | 5.22 | 5.70 | 1.69 | 2.15 | T | 0.78 | 0.86 | 0.59 | 23.15 |
| 1940 | 0.71 | 1.91 | 0.66 | 4.37 | 4.97 | 2.71 | 1.71 | 3.09 | 3.70 | 1.11 | 4.20 | 1.39 | 30.53 |
| 1941 | 1.70 | 1.59 | 1.17 | 4.93 | 2.17 | 6.02 | 1.79 | 3.18 | 5.30 | 5.17 | 0.79 | 0.66 | 34.47 |
| 1942 | 0.51 | 1.94 | 0.64 | 6.27 | 1.28 | 14.47 | 2.04 | 2.46 | 7.35 | 5.88 | 0.48 | 3.37 | 46.69 |
| 1943 | 0.22 | 0.72 | 1.33 | 1.51 | 6.64 | 4.27 | 3.78 | 1.97 | 1.35 | 1.84 | T | 2.66 | 26.29 |
| 1944 | 1.09 | 1.34 | 3.60 | 9.83 | 1.78 | 5.21 | 2.98 | 6.53 | 3.45 | 2.87 | 1.85 | 4.18 | 44.71 |
| 1945 | 0.97 | 0.62 | 1.94 | 8.60 | *2.15 | 2.56 | 3.57 | 1.24 | 9.92 | 0.73 | T | 0.39 | 32.69 |
| 1946 | 1.52 | 1.72 | 2.05 | 2.72 | 4.96 | 2.84 | 0.36 | 3.16 | 0.81 | 3.79 | 2.01 | 1.07 | 27.01 |
| Normal | 0.90 | 1.23 | 1.61 | 3.14 | 4.98 | 4.75 | 3.21 | 3.12 | 3.67 | 2.46 | 1.81 | 1.16 | 32.04 |

WICHITA, SEDGWICK COUNTY. — Elevation, 1,372 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|-------|-------|------|------|------|-------|------|------|------|-------|
| 1931 | 0.29 | 0.64 | 2.52 | 2.49 | 2.37 | 5.50 | 0.97 | 1.91 | 4.58 | 1.19 | 6.21 | 0.69 | 29.36 |
| 1932 | 1.49 | 0.94 | 0.77 | 2.33 | 1.90 | 7.92 | 2.53 | 2.30 | 1.26 | 0.40 | 0.18 | 1.67 | 23.66 |
| 1933 | 0.10 | 0.34 | 1.72 | 0.86 | 2.29 | 0.83 | 2.34 | 8.50 | 1.39 | 0.74 | 0.85 | 1.85 | 21.81 |
| 1934 | 0.72 | 1.03 | 1.16 | 3.10 | 4.14 | 1.78 | 1.77 | 0.38 | 4.25 | 1.89 | 2.90 | 1.03 | 24.15 |
| 1935 | 0.87 | 1.39 | 0.98 | 1.86 | 11.22 | 7.21 | 0.39 | 1.55 | 3.11 | 4.41 | 2.99 | 0.28 | 36.23 |
| 1936 | 0.94 | 0.02 | T | 0.58 | 3.30 | 1.04 | 0.21 | 0.04 | 4.84 | 3.77 | 0.01 | 0.83 | 15.58 |
| 1937 | 1.54 | 0.73 | 2.80 | 0.57 | 4.13 | 3.99 | 4.77 | 2.86 | 1.80 | 1.12 | 0.75 | 0.58 | 25.64 |
| 1938 | 0.12 | 2.48 | 1.91 | 2.85 | 8.14 | 4.49 | 2.24 | 5.60 | 2.62 | 0.16 | 2.05 | 0.15 | 32.81 |
| 1939 | 1.09 | 1.93 | 1.57 | 2.14 | 3.25 | 8.90 | 0.72 | 5.84 | 0.30 | 1.14 | 0.81 | 0.95 | 28.04 |
| 1940 | 1.40 | 1.43 | 0.74 | 6.15 | 5.82 | 4.85 | 0.94 | 2.87 | 6.14 | 1.05 | 3.82 | 1.56 | 36.77 |
| 1941 | 1.53 | 1.09 | 1.11 | 2.83 | 2.89 | 7.05 | 2.41 | 3.54 | 4.29 | 4.81 | 0.78 | 0.92 | 33.25 |
| 1942 | 0.23 | 1.93 | 0.88 | 7.08 | 1.67 | 8.69 | 2.34 | 4.51 | 7.21 | 3.77 | 0.68 | 3.14 | 42.13 |
| 1943 | 0.27 | 0.67 | 1.21 | 1.94 | 6.59 | 3.43 | 6.51 | 1.95 | 3.14 | 1.83 | 0.07 | 2.33 | 29.94 |
| 1944 | 1.01 | 1.34 | 4.55 | 12.42 | 2.04 | 1.60 | 5.49 | 4.77 | 2.20 | 2.20 | 1.93 | 3.98 | 43.53 |
| 1945 | 1.07 | 0.84 | 1.85 | 6.79 | 1.28 | 4.00 | 5.01 | 4.11 | 10.58 | 0.51 | 0.05 | 0.62 | 36.71 |
| 1946 | 2.21 | 1.23 | 1.81 | 1.87 | 2.11 | 2.71 | 0.32 | 2.90 | 1.27 | 4.32 | 2.14 | 0.78 | 23.67 |
| Normal | 0.71 | 1.24 | 1.63 | 2.96 | 4.66 | 4.58 | 2.89 | 3.13 | 3.33 | 2.45 | 1.77 | 1.02 | 30.77 |

WINFIELD, COWLEY COUNTY. — Elevation, 1,202 feet

| | | | | | | | | | | | | | |
|--------|------|------|-------|-------|-------|------|------|------|-------|------|------|------|-------|
| 1931 | 0.66 | 1.61 | 2.66 | 2.39 | 4.87 | 3.25 | 1.67 | 2.16 | 3.09 | 1.59 | 6.46 | 0.58 | 30.99 |
| 1932 | 1.89 | 1.33 | 0.47 | 1.31 | 1.67 | 4.40 | 2.53 | 1.39 | 2.80 | 1.25 | 0.20 | 2.83 | 22.37 |
| 1933 | 0.50 | 0.50 | 1.57 | 1.82 | 1.55 | 1.35 | 2.30 | 7.02 | 1.49 | 0.87 | 0.73 | 2.52 | 22.22 |
| 1934 | 0.61 | 1.03 | 1.54 | 4.70 | 4.16 | 2.30 | 0.26 | 0.25 | 7.12 | 4.83 | 4.44 | 1.09 | 32.33 |
| 1935 | 0.70 | 1.43 | 1.11 | 2.96 | 11.22 | 4.35 | 0.36 | 1.92 | 3.47 | 4.31 | 3.81 | 0.70 | 36.34 |
| 1936 | 1.40 | 0.05 | 0.00 | 0.76 | 3.82 | 2.00 | 1.42 | 0.39 | 5.28 | 4.68 | 0.21 | 2.84 | 21.85 |
| 1937 | 1.54 | 0.67 | *2.80 | 1.92 | 3.71 | 4.43 | 9.22 | 0.70 | 1.73 | 1.90 | 1.30 | 0.93 | 30.85 |
| 1938 | 0.46 | 3.28 | 2.20 | 2.93 | 10.99 | 7.47 | 4.24 | 4.44 | 3.33 | T | 2.56 | 0.29 | 42.19 |
| 1939 | 1.76 | 0.83 | 1.52 | 1.97 | 4.54 | 4.57 | 0.70 | 2.76 | 0.00 | 0.87 | 0.92 | 0.42 | 20.86 |
| 1940 | 1.26 | 1.85 | 0.93 | 4.38 | 3.10 | 1.59 | 2.47 | 4.60 | 5.31 | 0.57 | 4.10 | 1.58 | 31.74 |
| 1941 | 1.26 | 1.11 | 1.09 | 6.11 | 2.22 | 5.74 | 1.92 | 4.40 | 4.54 | 5.31 | 1.07 | 1.53 | 36.30 |
| 1942 | 0.91 | 2.33 | 0.82 | 6.90 | 1.16 | 6.80 | 0.43 | 6.27 | 5.24 | 3.39 | 0.48 | 2.97 | 37.70 |
| 1943 | 0.27 | 0.50 | 1.09 | 1.49 | 7.59 | 3.91 | 3.31 | 0.73 | 5.51 | 1.48 | 0.03 | 2.37 | 28.28 |
| 1944 | 0.45 | 1.62 | 4.75 | 7.90 | 2.24 | 4.57 | 2.06 | 6.33 | 5.17 | 2.80 | 2.49 | 3.82 | 44.20 |
| 1945 | 0.67 | 0.47 | 3.15 | 10.87 | 1.31 | 5.85 | 4.42 | 1.79 | 12.46 | 0.40 | 0.10 | 0.59 | 42.08 |
| 1946 | 2.12 | 1.24 | 3.98 | 3.62 | 3.61 | 1.62 | 3.68 | 1.19 | 1.16 | 2.42 | 2.13 | 1.35 | 28.12 |
| Normal | 1.00 | 1.35 | 1.66 | 3.17 | 4.71 | 4.88 | 3.39 | 3.25 | 3.56 | 2.71 | 1.97 | 1.25 | 32.90 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

ASHLAND, CLARK COUNTY. — Elevation, 1,979 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.23 | 0.53 | 4.26 | 2.26 | 1.77 | 1.60 | 2.28 | 1.46 | 1.40 | 1.10 | 2.98 | 0.31 | 20.18 |
| 1932 | 1.49 | T | 0.34 | 1.50 | 3.61 | 6.54 | 1.18 | 2.46 | 1.03 | 0.32 | 0.07 | 0.50 | 19.04 |
| 1933 | 0.09 | 0.14 | 0.01 | 3.06 | 2.33 | 0.28 | 2.70 | 1.92 | 1.34 | 0.53 | 0.53 | 0.50 | 13.43 |
| 1934 | 0.28 | 1.60 | 1.41 | 0.49 | 1.61 | 1.48 | 0.06 | 0.41 | 3.19 | 1.11 | 0.85 | 0.36 | 12.85 |
| 1935 | 0.97 | 0.47 | 1.08 | 0.12 | 6.68 | 3.44 | 0.42 | 3.10 | 2.02 | 0.59 | 1.56 | 0.49 | 20.94 |
| 1936 | 0.61 | 0.05 | T | 0.74 | 7.86 | 2.83 | 0.39 | 0.39 | 3.56 | 1.05 | T | 1.20 | 18.68 |
| 1937 | 0.78 | 0.80 | 0.94 | 0.23 | 2.14 | 4.61 | 0.58 | 3.91 | 0.76 | 0.61 | 0.30 | 0.16 | 15.82 |
| 1938 | T | 3.49 | 1.59 | 3.55 | 5.78 | 2.79 | 1.64 | 1.47 | 2.60 | 0.08 | 0.05 | 0.54 | 23.68 |
| 1939 | 1.34 | 0.93 | 1.87 | 2.05 | 0.45 | 6.04 | 1.06 | 2.50 | T | 0.20 | 0.13 | 0.79 | 17.36 |
| 1940 | 0.49 | 0.76 | 0.11 | 1.58 | 5.30 | 2.84 | 0.79 | 5.36 | 1.68 | 0.45 | 2.58 | 0.70 | 22.64 |
| 1941 | 0.73 | 1.57 | 1.21 | 1.94 | 5.51 | 3.15 | 3.39 | 5.44 | 4.74 | 6.72 | 0.48 | 0.21 | 35.09 |
| 1942 | 0.25 | 0.66 | 1.12 | 4.97 | 0.56 | 2.99 | 2.40 | 5.25 | 2.13 | 4.18 | 0.01 | 1.18 | 25.70 |
| 1943 | 0.15 | 0.48 | 0.38 | 1.34 | 2.69 | 2.28 | 1.92 | 1.27 | 0.69 | 0.30 | 0.13 | 2.60 | 14.23 |
| 1944 | 1.04 | 1.28 | 0.47 | 3.70 | 5.86 | 0.67 | 3.48 | 3.02 | 1.50 | 1.16 | 1.25 | 1.04 | 24.47 |
| 1945 | 1.22 | 1.04 | 1.30 | 2.44 | 2.52 | 4.45 | 2.70 | 2.28 | 2.63 | 0.40 | T | 0.19 | 21.17 |
| 1946 | 0.46 | 2.24 | 0.69 | 2.39 | 1.52 | 2.71 | 0.21 | 3.13 | 2.72 | 4.21 | 1.94 | 0.25 | 22.47 |
| Normal | 0.43 | 0.85 | 1.08 | 2.14 | 3.52 | 3.49 | 2.81 | 2.86 | 2.48 | 1.69 | 1.35 | 0.67 | 23.37 |

ATWOOD, RAWLINS COUNTY. — Elevation, 2,894 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|--------|
| 1931 | T | 0.82 | 2.14 | 1.68 | 1.05 | 4.31 | 1.03 | 2.04 | 0.35 | 0.82 | 2.93 | 0.25 | 17.42 |
| 1932 | 0.23 | 0.42 | 0.21 | 1.84 | 2.02 | 4.33 | 3.52 | 0.84 | 0.76 | 0.43 | T | 0.40 | 15.00 |
| 1933 | 0.01 | 0.09 | 1.22 | 2.76 | 3.47 | 2.64 | 1.20 | 6.13 | 4.55 | 0.10 | 0.13 | 1.10 | 23.20 |
| 1934 | 0.31 | 0.95 | 0.28 | 0.47 | 0.95 | 2.49 | 0.24 | 3.40 | 1.04 | 0.14 | 0.91 | 0.14 | 11.32 |
| 1935 | 0.02 | 0.35 | 0.31 | 0.74 | 4.33 | 3.19 | 1.29 | 1.41 | 1.73 | 0.21 | 0.87 | 0.07 | 14.52 |
| 1936 | 0.18 | 0.20 | 0.29 | 1.70 | 3.41 | 0.79 | 0.43 | 1.24 | 2.16 | 0.34 | 0.04 | 0.59 | 11.37 |
| 1937 | 0.35 | 0.04 | 1.88 | 0.39 | 3.12 | 3.42 | 1.06 | 4.01 | 0.77 | 1.46 | 0.04 | 0.26 | 16.10 |
| 1938 | 0.31 | 0.14 | 1.96 | 1.80 | 5.97 | 1.26 | 3.66 | 1.55 | 1.19 | 0.97 | 0.04 | 0.15 | 18.10 |
| 1939 | 0.42 | 0.89 | 2.01 | 1.86 | 1.71 | 3.08 | 0.37 | 1.05 | 0.34 | 0.00 | T | 0.97 | 12.70 |
| 1940 | 0.80 | 0.46 | 1.81 | 0.45 | 1.56 | 1.20 | 2.14 | 1.58 | 2.21 | 0.43 | 0.50 | 0.64 | 13.78 |
| 1941 | 0.69 | 0.14 | 0.66 | 3.81 | 2.47 | 4.70 | 4.73 | 1.31 | 3.59 | 1.35 | 0.25 | 1.46 | 25.16 |
| 1942 | 0.31 | 0.69 | 0.95 | 4.63 | 1.43 | 4.10 | 2.41 | 3.71 | 2.28 | *2.17 | *0.54 | *0.48 | 23.70 |
| 1943 | 0.27 | 0.35 | 0.71 | 1.13 | 2.01 | 3.20 | 2.33 | 3.64 | 0.59 | 1.05 | *0.12 | T | 15.40 |
| 1944 | 1.83 | 0.80 | 1.30 | 8.74 | 1.09 | 1.85 | 9.05 | 0.81 | 0.17 | 1.03 | 0.82 | 0.24 | 27.73 |
| 1945 | 0.98 | 0.35 | 0.31 | 3.59 | 2.91 | *2.80 | *3.40 | *1.15 | 1.39 | 0.36 | 0.19 | 0.13 | 19.56 |
| 1946 | 0.33 | 0.07 | 2.33 | 0.20 | 4.57 | 2.79 | 3.29 | 0.69 | 2.84 | 6.46 | 3.83 | 0.09 | 27.49 |
| Normal | 0.25 | 0.49 | 0.84 | 2.04 | 2.64 | 2.75 | 2.75 | 2.63 | 1.88 | 1.01 | 0.64 | 0.61 | 18.53 |

BIRD CITY (NEAR), CHEYENNE COUNTY. — Elevation, 3,452 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1931 | T | 0.96 | 1.26 | 1.04 | 0.82 | 2.03 | 1.48 | 3.26 | 0.15 | 0.61 | 0.60 | 0.30 | 12.51 |
| 1932 | 0.50 | 0.35 | 0.30 | 3.75 | 2.19 | 3.44 | 4.68 | 0.65 | *0.60 | 0.70 | 0.00 | 0.15 | 17.31 |
| 1933 | T | 0.10 | 0.89 | 3.43 | 1.99 | 0.55 | 4.40 | 8.43 | 3.22 | 0.16 | 0.10 | 0.79 | 24.06 |
| 1934 | 0.20 | 1.30 | 0.51 | 0.49 | 1.25 | 3.83 | 0.16 | 0.60 | 0.70 | 0.04 | 0.42 | 0.20 | 9.70 |
| 1935 | T | 0.30 | 0.60 | 0.78 | 2.36 | 3.99 | 1.40 | 1.51 | 1.93 | 0.19 | 0.70 | 0.50 | 14.26 |
| 1936 | 0.28 | 0.20 | 0.30 | 1.10 | 4.12 | 0.87 | 0.93 | 1.64 | 2.19 | 0.36 | 0.06 | 0.35 | 12.40 |
| 1937 | 0.25 | 0.40 | 1.43 | 0.93 | 1.49 | 3.06 | 1.05 | 1.84 | 3.05 | 1.08 | 0.18 | 0.38 | 15.14 |
| 1938 | 0.31 | 0.11 | 2.25 | 1.44 | 4.98 | 1.46 | 2.09 | 1.82 | 0.77 | 0.12 | 0.01 | 0.12 | 15.48 |
| 1939 | 0.64 | 0.95 | 2.00 | 1.37 | 2.03 | 1.41 | 0.82 | 0.99 | 0.30 | 0.00 | 0.00 | 1.00 | 11.51 |
| 1940 | 1.08 | 0.15 | 1.65 | 0.58 | 1.83 | 2.14 | 1.67 | 0.99 | 1.30 | 0.73 | 0.57 | 0.38 | 13.07 |
| 1941 | 0.48 | 0.17 | 1.18 | 2.50 | 4.88 | 5.06 | 3.35 | 1.68 | 3.28 | 0.88 | 0.12 | 1.23 | 24.81 |
| 1942 | 0.35 | 0.48 | 1.20 | 4.80 | 1.11 | 5.77 | 1.54 | 1.30 | 1.28 | 2.80 | 0.62 | 0.25 | 21.50 |
| 1943 | 0.35 | 0.32 | 0.70 | 1.44 | 2.28 | 3.87 | 1.49 | 1.98 | 0.45 | 1.07 | 0.17 | 0.43 | 14.55 |
| 1944 | 1.45 | 0.67 | 1.91 | 5.88 | 2.39 | 2.02 | 5.40 | 0.78 | 0.34 | 2.18 | 0.83 | 0.74 | 24.59 |
| 1945 | 0.87 | 0.28 | 0.08 | 2.54 | 1.90 | 1.82 | 2.12 | 6.43 | 1.31 | 0.39 | 0.38 | 0.02 | 18.14 |
| 1946 | 0.21 | T | 2.69 | 0.10 | 4.95 | 1.53 | 3.10 | 1.10 | 0.53 | 3.15 | 3.02 | 0.03 | 20.41 |
| Normal | 0.27 | 0.48 | 0.90 | 1.78 | 2.53 | 2.65 | 2.70 | 2.60 | 1.60 | 1.00 | 0.60 | 0.62 | 17.73 |

Normals for all stations are computed for the 45-year period, 1878 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

BUCKLIN, FORD COUNTY. — Elevation, 2,424 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|------|------|-------|-------|------|------|------|------|-------|-------|--------|
| 1931 | 0.04 | 0.46 | 4.00 | 1.90 | 3.35 | 5.34 | 1.95 | 0.84 | 0.87 | 0.76 | 2.06 | 0.37 | 21.94 |
| 1932 | 1.20 | 0.23 | 0.54 | 1.59 | 1.56 | 3.52 | 3.57 | 1.98 | 2.60 | 0.36 | 0.03 | 0.26 | 17.44 |
| 1933 | 0.03 | 0.11 | T | 1.80 | 2.12 | 1.89 | 3.32 | 2.47 | 1.20 | 0.77 | 0.30 | 1.24 | 15.25 |
| 1934 | 0.92 | 1.28 | 0.68 | 0.57 | 1.30 | 2.52 | 0.12 | 0.91 | 3.08 | 1.18 | 1.61 | 0.28 | 14.45 |
| 1935 | 0.92 | 0.34 | 0.65 | 0.13 | 7.48 | 1.19 | 1.98 | 1.49 | 1.34 | 0.76 | 1.25 | 0.17 | 17.70 |
| 1936 | 0.62 | T | T | 0.79 | 3.66 | 1.27 | 0.58 | 0.60 | 3.44 | 1.14 | T | 1.06 | 13.16 |
| 1937 | 0.93 | 0.93 | 1.55 | 0.50 | 2.78 | 3.00 | 3.01 | 2.01 | 3.64 | 0.94 | 0.06 | 0.25 | 16.60 |
| 1938 | T | 1.80 | 1.55 | 3.17 | 5.63 | 2.00 | 1.98 | 1.04 | 2.30 | 0.03 | 0.20 | 0.14 | 19.84 |
| 1939 | 1.04 | 1.40 | 1.57 | 1.06 | 0.74 | 4.05 | 0.82 | 0.90 | 0.02 | 0.38 | 0.10 | 0.80 | 13.09 |
| 1940 | 0.43 | 0.73 | 0.18 | 2.06 | 5.22 | 2.22 | 2.06 | 7.03 | 3.12 | 0.02 | 2.56 | 1.06 | 26.69 |
| 1941 | 0.75 | 1.55 | 1.43 | 2.07 | 2.36 | 5.47 | 3.11 | 2.37 | 2.56 | 8.47 | *0.48 | *0.30 | 30.92 |
| 1942 | *0.08 | 0.87 | 1.28 | 4.58 | 0.85 | 2.77 | 2.90 | 2.99 | 1.06 | 3.20 | 0.03 | 0.98 | 21.59 |
| 1943 | 0.11 | 0.36 | 0.25 | 0.71 | *1.96 | *2.40 | 2.25 | 1.48 | 2.00 | 2.19 | 0.32 | 1.82 | 15.85 |
| 1944 | 1.12 | 1.06 | 1.31 | 6.90 | 6.31 | 1.78 | 6.86 | 5.68 | 3.12 | 1.06 | 1.14 | 1.14 | 37.48 |
| 1945 | 1.20 | 0.83 | 0.82 | 4.90 | 1.64 | 2.79 | 2.67 | 1.57 | 3.35 | 1.28 | T | 0.25 | 21.30 |
| 1946 | 0.22 | 1.77 | 1.88 | 1.14 | 2.50 | 0.74 | 0.50 | 1.77 | 2.45 | 4.76 | 3.04 | 0.07 | 20.84 |
| Normal | 0.44 | 0.76 | 1.27 | 2.12 | 2.92 | 3.20 | 2.56 | 2.16 | 2.28 | 1.71 | 1.13 | 0.51 | 21.06 |

CIMARRON, GRAY COUNTY. — Elevation, 2,625 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|------|------|------|------|------|-------|-------|------|-------|------|--------|
| 1931 | T | 0.68 | 1.73 | 2.05 | 3.84 | 0.27 | 1.93 | 2.19 | 0.18 | 0.66 | 1.65 | 0.25 | 15.43 |
| 1932 | 1.27 | 0.15 | 0.82 | 1.58 | 1.81 | 5.85 | 1.07 | 1.93 | 0.42 | 0.70 | 0.18 | 0.06 | 15.84 |
| 1933 | 0.00 | 0.40 | 0.19 | 1.58 | 4.13 | 1.50 | 0.56 | 2.70 | 0.45 | 1.34 | 0.79 | 0.52 | 14.16 |
| 1934 | 0.17 | 1.47 | 0.46 | 0.95 | 1.11 | 1.24 | 0.86 | *0.40 | *1.80 | 0.81 | 0.81 | T | 10.08 |
| 1935 | 0.49 | 0.38 | 0.89 | T | 5.69 | 2.88 | T | 2.10 | 2.66 | 0.72 | 0.75 | 0.02 | 16.60 |
| 1936 | 0.31 | *0.09 | 0.00 | 1.43 | 4.98 | 0.92 | 1.20 | 1.40 | 1.34 | 0.44 | 0.00 | 0.95 | 13.06 |
| 1937 | 0.58 | 0.51 | 0.87 | 0.20 | 1.25 | 2.75 | 1.19 | 0.51 | 2.00 | 0.88 | 0.06 | 0.12 | 10.92 |
| 1938 | T | 0.74 | 1.46 | 2.46 | 3.92 | 1.19 | 1.36 | 0.55 | 2.66 | 0.14 | 0.05 | 0.06 | 14.61 |
| 1939 | 0.72 | 1.32 | 1.04 | 0.48 | 1.80 | 3.94 | 2.07 | 1.85 | 0.29 | 0.12 | 0.23 | 0.66 | 14.52 |
| 1940 | 0.35 | 0.33 | 1.01 | 2.28 | 5.74 | 3.93 | 0.93 | 2.74 | 2.71 | 0.10 | 1.87 | 0.68 | 22.67 |
| 1941 | 1.00 | 1.52 | 0.51 | 3.18 | 4.42 | 4.63 | 3.12 | 2.06 | *1.85 | 4.09 | 0.60 | 0.24 | 27.22 |
| 1942 | 0.03 | 0.99 | 1.17 | 6.22 | 2.25 | 3.51 | 2.91 | 1.69 | 1.45 | 4.43 | T | 1.54 | 26.19 |
| 1943 | 0.20 | 0.29 | 0.12 | 2.28 | 1.24 | 3.18 | 0.54 | 5.60 | 1.05 | 3.17 | T | 0.81 | 18.48 |
| 1944 | 2.41 | 1.13 | 1.18 | 6.04 | 6.83 | 1.34 | 8.39 | 2.64 | 0.73 | 0.96 | 1.25 | 0.95 | 33.85 |
| 1945 | 1.04 | 0.75 | 0.27 | 4.40 | 1.02 | 3.07 | 3.02 | 2.42 | 1.58 | 1.04 | *0.01 | 0.77 | 19.39 |
| 1946 | 0.66 | 0.97 | 0.34 | 0.10 | 2.83 | 3.15 | 1.02 | 2.67 | 2.66 | 4.82 | 2.70 | T | 21.92 |
| Normal | 0.40 | 0.79 | 0.95 | 2.00 | 2.73 | 3.00 | 2.65 | 2.47 | 2.03 | 1.50 | 0.87 | 0.54 | 19.93 |

COLBY, THOMAS COUNTY. — Elevation, 3,138 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|-------|------|------|------|------|------|--------|
| 1931 | 0.00 | 1.70 | 2.32 | 1.36 | 1.34 | 1.93 | 2.93 | 1.37 | 0.38 | 0.92 | 1.48 | 0.35 | 16.08 |
| 1932 | 0.55 | 0.55 | 0.41 | 1.98 | 1.52 | 4.03 | 3.52 | 0.77 | 0.72 | 0.43 | 0.21 | 0.40 | 15.09 |
| 1933 | T | 0.17 | 0.86 | 2.25 | 3.29 | 0.17 | 3.08 | 5.93 | 0.67 | 0.25 | 0.51 | 0.96 | 18.14 |
| 1934 | 0.10 | 1.17 | 0.65 | 0.37 | 0.97 | 1.80 | 0.47 | 1.33 | 0.96 | 0.09 | 0.45 | 0.24 | 8.60 |
| 1935 | T | 0.32 | 0.42 | 0.33 | 3.41 | 3.88 | 0.30 | 1.36 | 1.76 | 0.11 | 1.19 | 0.15 | 13.23 |
| 1936 | 0.20 | 0.30 | 0.15 | 1.14 | 3.92 | 0.56 | 0.30 | 1.66 | 2.90 | 0.48 | 0.02 | 0.43 | 12.06 |
| 1937 | 0.33 | 0.19 | 1.56 | 1.19 | 1.61 | 3.43 | 1.65 | 1.46 | 1.62 | 1.57 | 0.05 | 0.26 | 14.92 |
| 1938 | 0.21 | 0.11 | 1.67 | 1.18 | 4.57 | 2.98 | 5.55 | 0.85 | 1.06 | 0.06 | 0.16 | 0.02 | 18.42 |
| 1939 | 0.36 | 0.87 | 2.99 | 1.67 | 2.44 | 2.16 | 1.54 | 1.60 | 0.55 | T | 0.18 | 1.02 | 15.38 |
| 1940 | 0.47 | 0.19 | 2.42 | 0.85 | 1.90 | 1.09 | 1.53 | 3.74 | 1.65 | 0.60 | 0.82 | 0.35 | 15.61 |
| 1941 | 0.81 | 0.21 | 0.74 | 3.82 | 3.03 | 5.04 | 11.04 | 0.72 | 2.97 | 0.88 | 0.29 | 1.15 | 30.70 |
| 1942 | 0.46 | 0.70 | 1.26 | 5.27 | 0.92 | 4.19 | 1.19 | 2.21 | 1.41 | 2.20 | 0.52 | 0.77 | 21.10 |
| 1943 | 0.10 | 0.36 | 0.48 | 2.22 | 1.93 | 3.28 | 0.85 | 3.00 | 0.37 | 0.84 | 0.10 | 0.32 | 13.85 |
| 1944 | 1.83 | 0.51 | 1.68 | 6.36 | 1.78 | 5.47 | 7.14 | 0.71 | 0.50 | 0.95 | 1.48 | 0.38 | 28.79 |
| 1945 | 0.81 | 0.27 | 0.16 | 3.07 | 3.24 | 3.74 | 1.74 | 5.29 | 1.17 | 0.26 | 0.17 | 0.09 | 20.01 |
| 1946 | 0.11 | 0.02 | 2.69 | 0.05 | 4.56 | 4.61 | 3.69 | 1.01 | 0.72 | 7.59 | 3.04 | 0.03 | 28.12 |
| Normal | 0.26 | 0.59 | 0.94 | 2.10 | 2.49 | 2.84 | 2.62 | 2.27 | 1.65 | 1.02 | 0.65 | 0.59 | 18.02 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

DEERFIELD (NEAR), KEARNY COUNTY. — Elevation, 2,509 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|------|------|------|------|------|------|------|------|-------|------|--------|
| 1931 | T | 1.12 | 1.30 | 1.27 | 2.68 | 0.31 | 2.80 | 3.55 | 0.47 | 0.36 | 0.74 | 0.32 | 14.92 |
| 1932 | 1.02 | 0.79 | 0.44 | 2.32 | 0.85 | 5.63 | 0.94 | 1.36 | 1.21 | 0.57 | *0.14 | 0.07 | 15.34 |
| 1933 | 0.05 | 0.15 | 0.92 | 1.30 | 2.48 | 0.78 | 0.58 | 2.66 | 0.61 | 0.08 | 2.06 | 1.30 | 12.97 |
| 1934 | T | 2.11 | 0.35 | 0.10 | 0.60 | 0.32 | 0.55 | 1.99 | 1.05 | 1.75 | 0.16 | 0.07 | 9.05 |
| 1935 | 0.40 | 0.07 | T | 0.10 | 4.32 | 1.15 | 0.57 | 1.30 | 2.00 | 1.92 | 1.52 | 0.10 | 13.45 |
| 1936 | 0.39 | *0.02 | 0.30 | 0.80 | 5.50 | 1.25 | 0.41 | 0.70 | 1.96 | 1.91 | 0.08 | 0.56 | 13.94 |
| 1937 | 0.10 | 0.59 | 1.18 | 0.35 | 1.88 | 3.49 | 1.67 | 0.88 | 1.49 | 0.45 | 0.11 | 0.50 | 12.69 |
| 1938 | 0.08 | 0.45 | 0.85 | 2.47 | 2.65 | 1.85 | 1.60 | 0.67 | 2.21 | 0.40 | 0.41 | 0.10 | 13.74 |
| 1939 | 0.71 | 0.72 | 1.54 | 0.36 | 0.77 | 1.03 | 0.79 | 1.23 | T | T | 0.58 | 1.10 | 8.83 |
| 1940 | 0.65 | 0.40 | 1.01 | 0.40 | 3.49 | 1.82 | 0.14 | 5.97 | 1.30 | 0.33 | 1.28 | 0.52 | 17.31 |
| 1941 | 1.87 | 0.47 | 0.76 | 2.31 | 4.37 | 3.91 | 2.93 | 3.08 | 2.37 | 2.33 | 0.44 | 0.40 | 25.24 |
| 1942 | 0.18 | 1.06 | 1.50 | 5.55 | 0.20 | 6.22 | 1.17 | 1.93 | 0.30 | 2.75 | 0.23 | 0.98 | 22.07 |
| 1943 | 0.08 | 0.20 | 0.50 | 1.98 | 1.26 | 2.17 | 0.95 | 2.02 | 0.15 | 0.18 | T | 0.56 | 10.05 |
| 1944 | 1.76 | 0.57 | 1.77 | 7.27 | 5.16 | 1.71 | 5.38 | 0.92 | 0.50 | 1.79 | 1.00 | 0.84 | 28.67 |
| 1945 | 1.44 | 0.58 | 0.07 | 2.23 | 0.61 | 3.52 | 3.11 | 1.88 | 1.40 | 0.68 | 0.09 | 0.43 | 16.04 |
| 1946 | 0.45 | 1.12 | 1.01 | 0.80 | 2.26 | 2.45 | 1.18 | 2.14 | 4.08 | 6.13 | 3.53 | T | 25.15 |
| Normal | 0.26 | 0.65 | 0.90 | 1.74 | 2.46 | 2.70 | 2.39 | 2.22 | 1.56 | 1.22 | 0.62 | 0.52 | 17.24 |

DODGE CITY, FORD COUNTY. — Elevation, 2,592 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | 0.10 | 0.56 | 2.83 | 2.10 | 2.14 | 1.46 | 2.00 | 1.52 | 0.69 | 0.56 | 1.32 | 0.47 | 15.75 |
| 1932 | 1.28 | 0.37 | 0.91 | 1.08 | 1.20 | 4.46 | 2.38 | 2.60 | 2.35 | 0.71 | 0.15 | 0.22 | 17.71 |
| 1933 | T | 0.17 | 0.09 | 4.06 | 3.16 | 1.23 | 1.75 | 4.79 | 1.01 | 1.27 | 0.38 | 0.75 | 18.66 |
| 1934 | 0.29 | 1.60 | 0.52 | 0.42 | 1.00 | 2.34 | 0.43 | 0.24 | 2.05 | 1.50 | 0.98 | 0.13 | 11.50 |
| 1935 | 0.65 | 0.55 | 0.84 | 0.03 | 4.40 | 1.95 | 1.09 | 1.62 | 1.77 | 1.09 | 0.98 | 0.12 | 15.09 |
| 1936 | 0.59 | 0.06 | 0.10 | 0.56 | 5.81 | 1.31 | 1.10 | 0.98 | 1.81 | 1.00 | T | 0.85 | 14.17 |
| 1937 | 0.76 | 0.56 | 1.11 | 0.52 | 1.64 | 3.15 | 1.99 | 0.60 | 0.84 | 0.87 | 0.34 | 0.25 | 12.63 |
| 1938 | 0.01 | 1.08 | 1.63 | 3.20 | 4.30 | 1.50 | 1.71 | 2.96 | 2.73 | 0.18 | 0.07 | 0.06 | 19.43 |
| 1939 | 0.68 | 1.30 | 1.06 | 0.46 | 2.29 | 2.48 | 0.93 | 2.09 | 0.10 | 0.28 | 0.42 | 0.89 | 12.98 |
| 1940 | 0.50 | 0.59 | 1.31 | 3.54 | 4.41 | 3.53 | 1.52 | 5.09 | 2.05 | 0.12 | 2.39 | 0.79 | 25.84 |
| 1941 | 0.97 | 1.37 | 0.82 | 2.32 | 3.76 | 7.34 | 4.65 | 2.19 | 1.58 | 3.89 | 0.87 | 0.37 | 30.13 |
| 1942 | 0.10 | 1.24 | 1.19 | 5.27 | 1.22 | 6.06 | 1.70 | 1.89 | 1.33 | 3.60 | 0.06 | 0.88 | 24.54 |
| 1943 | 0.13 | 0.24 | 0.34 | 1.30 | 1.13 | 4.34 | 0.25 | 2.62 | 0.83 | 2.51 | 0.04 | 0.85 | 14.58 |
| 1944 | 0.96 | 0.77 | 1.41 | 4.13 | 6.95 | 4.53 | 5.40 | 5.11 | 1.36 | 1.58 | 0.93 | 1.16 | 34.29 |
| 1945 | 1.48 | 0.97 | 0.13 | 3.84 | 1.56 | 3.19 | 3.04 | 3.42 | 2.58 | 1.17 | 0.01 | 0.54 | 21.93 |
| 1946 | 0.77 | 0.89 | 0.76 | 0.36 | 1.56 | 1.27 | 0.17 | 4.41 | 2.16 | 4.56 | 2.10 | 0.03 | 19.04 |
| Normal | 0.37 | 0.78 | 0.94 | 2.00 | 2.85 | 3.19 | 2.67 | 2.40 | 2.08 | 1.35 | 0.93 | 0.57 | 20.13 |

DRESDEN, DECATUR COUNTY. — Elevation, 2,731 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | T | 1.77 | 3.77 | 2.61 | 0.71 | 1.15 | 2.90 | 5.73 | 2.58 | 1.11 | 2.28 | 0.11 | 24.72 |
| 1932 | 1.23 | 0.63 | 0.52 | 2.65 | 2.17 | 5.17 | 1.85 | 0.63 | 2.36 | 0.52 | T | 0.27 | 18.00 |
| 1933 | T | 0.10 | 1.01 | 3.06 | 4.11 | 1.85 | 3.20 | 5.95 | 1.33 | 0.62 | 1.31 | 1.79 | 23.73 |
| 1934 | 0.05 | 1.03 | 0.34 | 1.21 | 1.55 | 3.95 | 0.39 | 2.24 | 1.52 | 0.04 | 0.97 | 0.30 | 13.59 |
| 1935 | 0.01 | 0.17 | 0.38 | 0.64 | 5.05 | 3.82 | 0.17 | 0.20 | 1.97 | 0.58 | 1.02 | 0.08 | 14.09 |
| 1936 | 0.21 | 0.02 | T | 0.91 | 5.79 | 0.32 | 0.90 | 1.28 | 3.08 | 0.56 | 0.10 | 0.85 | 14.02 |
| 1937 | 0.75 | 0.27 | 1.02 | 0.77 | 1.48 | 3.40 | 2.61 | 2.50 | 1.10 | 1.72 | 0.05 | 0.14 | 15.81 |
| 1938 | 0.22 | 0.11 | 1.09 | 3.32 | 5.40 | 1.69 | 2.40 | T | 1.00 | T | 0.12 | T | 15.35 |
| 1939 | 0.29 | 0.85 | 1.59 | 1.41 | 3.79 | 4.15 | 0.28 | 1.84 | 1.00 | T | 0.00 | 0.70 | 15.90 |
| 1940 | 0.92 | 0.81 | 1.97 | 0.63 | 1.32 | 1.60 | 2.52 | 1.35 | 3.85 | 0.36 | 2.16 | 0.48 | 17.97 |
| 1941 | 1.40 | 0.34 | 1.02 | 4.67 | 4.38 | 9.89 | 5.69 | 1.53 | 5.86 | 0.97 | 0.48 | 1.43 | 37.66 |
| 1942 | 0.41 | 0.96 | 1.17 | 4.97 | 1.03 | 4.04 | 0.70 | 4.02 | 2.83 | 1.91 | 0.53 | 1.15 | 23.72 |
| 1943 | 0.22 | 0.48 | 0.79 | 2.66 | 1.54 | 5.20 | 2.64 | 3.08 | 1.71 | 0.30 | 0.02 | 0.17 | 18.81 |
| 1944 | 1.84 | 1.51 | 2.33 | 7.11 | 1.28 | 2.57 | 8.61 | 1.02 | 0.20 | 1.49 | 2.14 | 0.31 | 30.41 |
| 1945 | 0.82 | 0.21 | 0.24 | 4.04 | 2.64 | 4.78 | 2.58 | 2.49 | 1.57 | 0.52 | T | 0.58 | 20.47 |
| 1946 | 0.17 | T | 2.73 | 0.14 | 6.25 | 5.26 | 4.40 | 0.77 | 4.86 | 7.04 | 3.51 | T | 35.13 |
| Normal | 0.35 | 0.74 | 1.02 | 2.18 | 3.03 | 3.01 | 2.88 | 2.57 | 2.12 | 1.23 | 0.73 | 0.66 | 20.52 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

ELKHART, MORTON COUNTY. — Elevation, 3,595 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|------|------|-------|------|------|------|------|------|------|------|--------|
| 1931 | 0.00 | 1.04 | 1.17 | 1.86 | 1.83 | 1.38 | 0.50 | 2.97 | 0.87 | 1.30 | 0.22 | 0.99 | 14.13 |
| 1932 | 1.12 | 0.36 | 2.32 | 2.74 | 0.26 | 4.46 | 0.49 | 0.65 | 0.93 | 0.57 | 0.31 | 0.42 | 14.63 |
| 1933 | T | 0.41 | 0.49 | 0.29 | 2.13 | 0.93 | 0.12 | 3.04 | 2.97 | 0.64 | 1.15 | 1.11 | 13.28 |
| 1934 | T | 2.24 | 0.58 | 0.21 | 0.62 | 0.85 | 0.67 | 2.31 | 0.82 | 0.76 | 0.19 | 0.05 | 9.30 |
| 1935 | 0.40 | T | 0.82 | 0.00 | *1.60 | 1.33 | 0.98 | 2.15 | 0.98 | 0.45 | 0.74 | 0.23 | 9.68 |
| 1936 | 0.52 | 0.00 | T | 0.08 | 3.72 | 0.80 | 1.64 | 0.11 | 1.80 | 0.40 | 0.00 | 0.66 | 9.73 |
| 1937 | T | 0.47 | 0.75 | 0.51 | 0.90 | 2.88 | 1.04 | 0.73 | 0.20 | 0.84 | 0.17 | 0.56 | 9.03 |
| 1938 | T | 0.61 | 0.35 | 2.04 | 3.98 | 2.68 | 2.94 | T | 4.55 | 1.26 | 0.05 | 0.57 | 19.03 |
| 1939 | 1.27 | 0.53 | 0.83 | 1.95 | 2.06 | 1.16 | 1.14 | 0.27 | 0.33 | 0.02 | 0.13 | 1.62 | 11.31 |
| 1940 | 0.48 | 0.42 | 0.51 | 1.18 | 6.76 | 1.29 | 0.54 | 2.79 | 1.45 | 0.43 | 2.15 | 0.32 | 18.32 |
| 1941 | 0.43 | 0.51 | 0.76 | 1.90 | 6.90 | 5.34 | 4.63 | 1.82 | 2.46 | 4.98 | 0.36 | 0.14 | 30.23 |
| 1942 | 0.10 | *0.56 | 1.37 | 7.05 | 0.34 | 7.05 | 4.09 | 1.91 | 2.07 | 3.06 | T | 1.14 | 28.74 |
| 1943 | 0.10 | 0.08 | 0.28 | 1.00 | 1.16 | 4.99 | 3.96 | 4.10 | T | 0.12 | 0.17 | 2.37 | 18.33 |
| 1944 | 1.97 | 0.51 | 0.74 | 5.70 | 6.83 | 0.49 | 5.34 | 1.41 | 1.11 | 1.35 | 0.90 | 2.12 | 28.47 |
| 1945 | 1.15 | 0.39 | 0.28 | 1.38 | 2.58 | 2.48 | 2.77 | 4.12 | 2.06 | 0.48 | T | 0.33 | 18.02 |
| 1946 | 0.06 | 1.28 | 0.96 | 1.90 | 2.28 | 2.55 | 2.10 | 3.13 | 2.83 | 4.70 | 2.75 | 0.01 | 24.55 |
| Normal | 0.30 | 0.75 | 0.88 | 1.50 | 2.42 | 2.37 | 2.40 | 2.10 | 1.64 | 1.35 | 0.70 | 0.72 | 17.13 |

FOWLER (NEAR), MEADE COUNTY. — Elevation, 2,518 feet

(Record prior to 1946 taken at Minneola.)

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|
| 1931 | T | 0.58 | 2.75 | 1.41 | 1.98 | 1.45 | 3.83 | 3.90 | 2.00 | 0.56 | 2.06 | 0.12 | 20.64 |
| 1932 | 0.70 | 0.28 | 0.72 | 1.63 | 1.63 | 4.25 | 4.76 | 4.32 | 0.36 | 0.62 | 0.08 | 0.19 | 19.54 |
| 1933 | T | 0.06 | T | 2.41 | 3.57 | 0.71 | 2.03 | 4.26 | 0.52 | 1.39 | 0.58 | 0.87 | 16.40 |
| 1934 | 0.28 | 0.93 | 0.51 | 0.86 | 1.05 | 3.26 | 0.13 | 1.86 | 3.08 | 0.86 | 0.82 | 0.35 | 13.99 |
| 1935 | 0.84 | 0.33 | 1.55 | 0.10 | 5.87 | 1.31 | 1.09 | 2.52 | 2.07 | 0.76 | 0.75 | 0.28 | 17.47 |
| 1936 | 0.57 | 0.03 | 0.04 | 1.21 | 5.10 | 1.37 | 1.17 | 0.96 | 2.58 | 1.18 | 0.03 | 1.07 | 15.31 |
| 1937 | 0.58 | 0.46 | 1.08 | 0.40 | 2.35 | 3.53 | 1.76 | 2.60 | 0.99 | 1.25 | 0.09 | 0.07 | 15.16 |
| 1938 | T | 1.17 | 1.68 | 4.20 | 9.73 | 2.91 | 0.50 | 0.52 | 3.11 | 1.06 | 0.07 | 0.22 | 25.17 |
| 1939 | 0.98 | 0.97 | 1.18 | 1.08 | 1.33 | 3.64 | 2.08 | 1.58 | T | 0.60 | 0.35 | 0.65 | 14.44 |
| 1940 | 0.41 | 0.57 | 0.64 | 1.56 | 8.09 | 2.08 | 1.83 | 4.87 | 1.70 | 0.11 | 2.07 | 0.60 | 24.53 |
| 1941 | 0.77 | 1.62 | 0.91 | 1.77 | 4.46 | 5.47 | 6.26 | 4.21 | 2.29 | 6.15 | 0.36 | 0.25 | 34.52 |
| 1942 | 0.08 | 0.92 | 1.46 | 5.75 | 0.70 | 2.97 | 2.97 | 4.51 | 3.43 | 4.46 | 0.56 | 0.85 | 28.15 |
| 1943 | 0.12 | 0.48 | 0.18 | 1.15 | 2.33 | 2.92 | 1.27 | 1.64 | 0.27 | 1.63 | 0.22 | 1.83 | 14.04 |
| 1944 | 1.25 | 1.37 | 0.87 | 6.74 | 7.10 | 1.04 | 2.76 | 3.90 | 1.19 | 1.36 | 1.21 | *1.05 | 29.84 |
| 1945 | 1.50 | 0.74 | 0.35 | 2.86 | 1.04 | 3.32 | 1.82 | 1.30 | 2.38 | 0.49 | 0.00 | 0.24 | 16.04 |
| 1946 | 0.44 | 1.37 | 0.78 | 0.38 | 2.17 | 2.12 | 0.42 | 1.53 | 1.27 | 4.30 | 2.55 | 0.14 | 17.47 |
| Normal | 0.43 | 0.75 | 1.09 | 2.10 | 3.18 | 3.25 | 2.50 | 2.71 | 2.15 | 1.70 | 1.02 | 0.56 | 21.44 |

GARDEN CITY, FINNEY COUNTY. — Elevation, 2,836 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.05 | 0.65 | 2.11 | 2.04 | 1.69 | 0.83 | 3.45 | 4.23 | 0.26 | 1.33 | 0.89 | 0.20 | 17.73 |
| 1932 | 1.10 | 0.49 | 0.72 | 2.21 | 0.93 | 5.57 | 0.58 | 2.80 | 0.94 | 0.68 | 0.13 | 0.10 | 16.25 |
| 1933 | 0.00 | 0.53 | 0.31 | 2.08 | 2.74 | 0.94 | 1.72 | 5.27 | 1.56 | 1.52 | 1.00 | 1.17 | 18.84 |
| 1934 | 0.10 | 1.09 | 0.59 | 0.38 | 0.89 | 1.34 | 0.17 | 0.63 | 1.48 | 1.04 | 0.57 | T | 9.08 |
| 1935 | 0.47 | 0.89 | 0.48 | T | 2.95 | 1.37 | 0.30 | 1.24 | 1.56 | 0.13 | 0.91 | 0.06 | 9.56 |
| 1936 | 0.34 | 0.11 | 0.20 | 0.50 | 5.57 | 0.46 | 2.24 | 0.84 | 1.72 | 1.47 | T | 0.67 | 14.12 |
| 1937 | 0.11 | 0.56 | 0.81 | 0.15 | 0.96 | 3.19 | 0.82 | 0.38 | 0.90 | 0.77 | 0.06 | 0.16 | 8.87 |
| 1938 | 0.00 | 0.38 | 1.09 | 1.87 | 3.09 | 1.16 | 1.98 | 1.28 | 3.98 | 0.32 | 0.23 | 0.06 | 15.44 |
| 1939 | 0.49 | 1.06 | 1.54 | 0.31 | 0.70 | 1.38 | 2.05 | 0.71 | 0.02 | T | 0.63 | 1.56 | 10.45 |
| 1940 | 0.53 | 0.50 | 1.13 | 0.75 | 4.53 | 3.00 | 1.38 | 5.10 | 1.92 | 0.12 | 1.63 | 0.91 | 21.30 |
| 1941 | 1.35 | 0.70 | 0.85 | 2.20 | 4.32 | 6.81 | 2.95 | 3.38 | 1.63 | 2.11 | 0.37 | 0.12 | 26.79 |
| 1942 | 0.21 | 0.61 | 1.37 | 4.85 | 0.24 | 3.18 | 2.86 | 2.35 | 1.09 | 2.89 | 0.05 | 1.04 | 20.74 |
| 1943 | 0.15 | 0.15 | 0.18 | 3.35 | 1.31 | 3.90 | 0.59 | 3.81 | 0.07 | 0.42 | 0.00 | 0.47 | 14.40 |
| 1944 | 2.18 | 0.67 | 1.05 | 6.03 | 5.30 | 0.95 | 5.68 | 1.49 | 0.49 | 1.59 | 0.85 | 0.93 | 27.21 |
| 1945 | 1.02 | 0.42 | 0.08 | 3.34 | 0.41 | 2.10 | 2.80 | 1.66 | 2.13 | 0.51 | 0.02 | 0.68 | 15.17 |
| 1946 | 0.29 | 0.60 | 0.79 | 0.54 | 3.45 | 4.16 | 0.11 | 1.86 | 3.29 | 6.09 | 3.93 | * T | 25.11 |
| Normal | 0.35 | 0.86 | 1.02 | 2.05 | 2.58 | 2.95 | 2.54 | 2.24 | 1.91 | 1.25 | 0.76 | 0.50 | 19.01 |

1s for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

OODLAND, SHERMAN COUNTY. — Elevation, 3,688 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | T | 1.40 | 1.32 | 1.05 | 1.11 | 1.84 | 0.75 | 1.62 | 0.19 | 1.27 | 0.59 | 0.19 | 11.33 |
| 1932 | 0.18 | 0.17 | 0.67 | 4.23 | 1.16 | 3.63 | 1.97 | 0.87 | 0.53 | 0.73 | T | 0.16 | 14.30 |
| 1933 | 0.00 | 0.04 | 0.97 | 2.06 | 3.85 | 1.33 | 4.02 | 6.07 | 3.70 | 0.09 | 0.09 | 0.99 | 23.21 |
| 1934 | 0.08 | 1.12 | 0.45 | 0.36 | 0.79 | 2.16 | 2.03 | 1.98 | 1.04 | 0.04 | 0.30 | 0.17 | 10.52 |
| 1935 | 0.02 | 0.31 | 0.49 | 0.30 | 2.50 | 3.11 | 0.56 | 3.41 | 2.46 | 0.27 | 0.75 | 0.08 | 14.26 |
| 1936 | 0.33 | 0.13 | 0.18 | 0.65 | 4.14 | 0.43 | 2.32 | 0.96 | 2.55 | 0.64 | 0.05 | 0.45 | 12.83 |
| 1937 | 0.30 | 0.31 | 1.98 | 0.69 | 0.58 | 4.43 | 1.36 | 1.01 | 0.48 | 1.01 | 0.20 | 0.49 | 12.84 |
| 1938 | 0.16 | 0.15 | 2.54 | 1.47 | 4.44 | 1.06 | 2.23 | 3.80 | 0.76 | 0.11 | 0.19 | 0.15 | 17.06 |
| 1939 | 0.63 | 2.07 | 2.20 | 1.34 | 2.18 | 2.64 | 2.55 | 1.52 | 0.58 | T | 0.00 | 1.10 | 16.81 |
| 1940 | 0.86 | 0.35 | 2.49 | 0.80 | 2.11 | 1.32 | 4.55 | 1.53 | 4.69 | 0.45 | 0.41 | 0.92 | 20.48 |
| 1941 | 0.70 | 0.31 | 1.06 | 3.06 | 2.75 | 3.58 | 7.34 | 3.04 | 3.88 | 1.08 | 0.24 | 1.71 | 28.75 |
| 1942 | 0.50 | 0.71 | 0.48 | 4.88 | 0.78 | 5.43 | 3.52 | 2.58 | 2.04 | 3.35 | 0.65 | 0.49 | 25.41 |
| 1943 | 0.25 | 0.32 | 0.59 | 1.73 | 2.62 | 4.92 | 2.61 | 3.22 | 0.35 | 0.70 | 0.20 | 0.62 | 18.13 |
| 1944 | 1.13 | 0.41 | 0.62 | 5.69 | 3.08 | 1.56 | 7.44 | 0.57 | 0.76 | 1.41 | 1.10 | 0.25 | 24.02 |
| 1945 | 0.62 | 0.13 | 0.07 | 2.10 | 2.26 | 1.56 | 1.77 | 4.21 | 1.24 | 0.18 | 0.19 | 0.05 | 14.38 |
| 1946 | 0.12 | 0.05 | 2.36 | 0.76 | 3.07 | 1.85 | 5.20 | 0.53 | 0.66 | 1.67 | 2.63 | 0.01 | 18.91 |
| Normal | 0.26 | 0.56 | 0.99 | 1.83 | 2.52 | 2.77 | 2.67 | 2.53 | 1.60 | 1.00 | 0.62 | 0.63 | 17.98 |

HEALY, LANE COUNTY. — Elevation, 2,850 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | T | 0.66 | 3.16 | 1.53 | 1.23 | 2.33 | 2.19 | 2.24 | 0.34 | 0.99 | 0.87 | 0.21 | 15.75 |
| 1932 | 0.83 | 0.58 | 0.75 | 1.50 | 1.64 | 4.03 | 0.83 | 3.02 | 0.67 | 0.47 | 0.02 | 0.04 | 14.38 |
| 1933 | T | 0.28 | 0.20 | 2.02 | 2.33 | 1.10 | 0.72 | 6.28 | 0.96 | 0.03 | 0.69 | 1.15 | 15.76 |
| 1934 | T | 0.76 | 0.14 | 0.34 | 2.80 | 1.32 | 1.29 | 0.86 | 0.55 | 1.08 | 0.92 | 0.01 | 10.07 |
| 1935 | 0.07 | 0.24 | 0.15 | 0.03 | 5.28 | 4.07 | 0.16 | 3.06 | 3.40 | 2.17 | 1.14 | T | 19.77 |
| 1936 | 0.13 | 0.13 | 0.10 | 0.69 | 7.91 | 0.68 | 0.39 | 1.23 | 1.88 | 1.47 | T | 0.34 | 14.95 |
| 1937 | 0.05 | 0.46 | 0.61 | 0.28 | 0.87 | 2.74 | 1.12 | 2.36 | 1.06 | 1.59 | 0.15 | 0.21 | 11.50 |
| 1938 | 0.08 | 0.29 | 0.67 | 1.94 | 3.85 | 1.90 | 1.09 | 0.14 | 4.20 | 0.11 | 0.52 | 0.02 | 14.75 |
| 1939 | 0.39 | 1.01 | 2.00 | 0.90 | 0.64 | 2.75 | 0.30 | 1.29 | 0.09 | T | 0.13 | 1.06 | 10.56 |
| 1940 | 0.78 | 0.36 | 0.84 | 0.84 | 3.35 | 1.71 | 0.56 | 3.97 | 2.07 | 0.44 | 1.42 | 0.39 | 16.73 |
| 1941 | 1.14 | 0.55 | 0.40 | 2.51 | 7.19 | 5.20 | 4.35 | 1.33 | 1.89 | 0.99 | 0.58 | 0.77 | 26.90 |
| 1942 | 0.14 | 0.38 | 2.71 | 5.06 | 0.92 | 3.81 | 2.97 | 2.79 | 1.27 | 2.68 | 0.20 | 1.25 | 24.18 |
| 1943 | 0.11 | 0.15 | 0.14 | 2.06 | 1.73 | 1.22 | 3.51 | 2.43 | T | 0.20 | 0.36 | 0.37 | 12.28 |
| 1944 | 1.58 | 1.37 | 1.74 | 5.56 | 5.07 | 0.55 | 7.22 | 1.46 | 0.27 | 0.94 | 1.21 | 0.79 | 27.76 |
| 1945 | 0.97 | 0.23 | 0.07 | 3.65 | 2.25 | 1.61 | 3.28 | 1.25 | 1.10 | 1.25 | 0.06 | 0.41 | 16.13 |
| 1946 | 0.19 | 0.20 | 1.66 | 0.79 | 1.96 | 2.74 | 1.27 | 3.35 | 2.13 | 6.94 | 2.16 | 0.03 | 23.42 |
| Normal | 0.30 | 0.70 | 0.78 | 1.81 | 2.74 | 2.98 | 2.39 | 2.54 | 1.79 | 1.35 | 0.80 | 0.59 | 18.77 |

HILL CITY, GRAHAM COUNTY. — Elevation, 2,134 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|-------|------|-------|-------|------|------|------|------|-------|------|--------|
| 1931 | 0.00 | 0.73 | *3.25 | 3.00 | *1.00 | 1.29 | 4.43 | 5.09 | 0.68 | 2.55 | *1.75 | 0.47 | 24.24 |
| 1932 | 1.20 | 0.30 | 0.32 | 1.32 | 0.40 | 7.10 | 2.03 | 0.35 | 3.29 | 1.65 | T | 0.23 | 18.19 |
| 1933 | 0.00 | 0.06 | 0.36 | 2.08 | 2.27 | 1.03 | 0.61 | 3.77 | 1.25 | 0.14 | 0.45 | 1.46 | 13.48 |
| 1934 | 0.00 | 1.62 | 0.84 | 1.63 | 1.45 | 2.79 | 0.09 | 2.39 | 0.77 | 0.11 | 1.49 | 0.15 | 13.33 |
| 1935 | T | 0.57 | 0.08 | 0.60 | 4.61 | 5.38 | 1.02 | 0.71 | 3.80 | 1.35 | 1.69 | T | 19.81 |
| 1936 | *0.12 | 0.22 | 0.23 | 0.47 | 5.80 | 0.44 | 1.17 | 1.24 | 2.99 | 1.13 | 0.05 | 0.57 | 14.43 |
| 1937 | 1.06 | 0.23 | 0.40 | 0.23 | 0.99 | 3.82 | 1.91 | 1.66 | 1.26 | 1.89 | 0.47 | 0.14 | 14.06 |
| 1938 | 0.24 | 0.53 | 1.37 | 3.16 | 5.12 | 2.98 | 2.34 | 0.26 | 0.61 | 0.05 | 0.19 | 0.00 | 16.85 |
| 1939 | 0.38 | 1.24 | 1.95 | 1.89 | 2.58 | 3.86 | 2.55 | 1.90 | 0.05 | 0.01 | T | 0.67 | 17.08 |
| 1940 | 1.13 | 0.86 | 3.04 | 1.69 | 3.48 | 0.61 | 1.95 | 4.41 | 3.56 | 2.40 | 2.09 | 1.14 | 26.36 |
| 1941 | 1.71 | 1.44 | 0.57 | 5.18 | 3.04 | 11.89 | 1.93 | 3.83 | 5.84 | 1.55 | 0.89 | 1.51 | 39.38 |
| 1942 | 0.15 | 0.87 | 2.27 | 5.02 | 0.92 | 4.85 | 1.77 | 3.45 | 2.47 | 1.43 | 0.51 | 1.55 | 25.26 |
| 1943 | 0.09 | 0.47 | 1.15 | 5.99 | 1.72 | 5.12 | 2.35 | 2.06 | 0.83 | 0.13 | 0.10 | 0.44 | 20.45 |
| 1944 | 1.54 | 1.76 | 3.66 | 5.23 | 3.33 | 1.88 | 6.73 | 4.63 | 0.24 | 0.75 | 1.41 | 0.52 | 31.68 |
| 1945 | 1.23 | 0.48 | 0.21 | 4.08 | 2.49 | 4.81 | 2.25 | 0.54 | 2.03 | 0.42 | 0.02 | 0.76 | 19.32 |
| 1946 | 0.34 | 0.06 | 3.40 | 0.07 | 5.27 | 2.11 | 1.98 | 1.43 | 8.10 | 6.29 | 2.38 | 0.00 | 31.43 |
| Normal | 0.30 | 0.72 | 1.01 | 2.20 | 2.58 | 3.75 | 2.60 | 2.65 | 1.97 | 1.24 | 0.88 | 0.65 | 20.55 |

Normals for all stations are computed for the 45-year period, 1878 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

HOXIE, SHERIDAN COUNTY. — Elevation, 2,700 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | T | 1.87 | 3.82 | 1.96 | 0.57 | 1.45 | 4.45 | 1.94 | 0.15 | 1.21 | 1.79 | 0.14 | 19.35 |
| 1932 | 1.16 | 0.59 | 1.06 | 1.96 | 1.44 | 3.23 | 2.06 | 0.86 | 1.62 | 0.39 | 0.20 | 0.24 | 14.81 |
| 1933 | T | 0.05 | 0.42 | 1.48 | 2.91 | 1.84 | 1.45 | 4.11 | 0.57 | 0.38 | 0.93 | 1.48 | 15.62 |
| 1934 | T | 1.81 | 0.57 | 0.24 | 1.37 | 2.15 | 0.15 | 1.17 | 0.67 | 0.23 | 0.86 | 0.19 | 9.39 |
| 1935 | T | 0.18 | 0.14 | 0.46 | 3.77 | 2.73 | 0.28 | 0.89 | 3.25 | 0.23 | 1.01 | 0.12 | 13.04 |
| 1936 | 0.12 | 0.10 | T | 0.81 | 5.81 | 0.52 | 0.43 | 2.86 | 2.46 | 0.70 | T | 0.64 | 14.45 |
| 1937 | 0.48 | 0.32 | 1.23 | 0.68 | 1.31 | 4.31 | 2.09 | 1.39 | 1.12 | 2.47 | 0.14 | 0.10 | 15.64 |
| 1938 | 0.20 | 0.25 | 1.82 | 3.66 | 7.04 | 2.31 | 1.88 | 0.23 | 1.38 | 0.23 | 0.20 | T | 19.20 |
| 1939 | 0.28 | 2.00 | 2.93 | 1.81 | 2.72 | 1.15 | 0.18 | 1.98 | 0.04 | T | T | 0.99 | 14.08 |
| 1940 | 0.98 | 0.37 | 1.95 | 0.60 | 2.30 | 0.87 | 1.32 | 0.77 | 3.29 | 0.13 | 1.25 | 0.66 | 14.49 |
| 1941 | 0.89 | 0.58 | 0.50 | 4.89 | 3.64 | 9.66 | 5.63 | 0.67 | 5.40 | 0.84 | 0.55 | 1.67 | 34.92 |
| 1942 | 0.25 | 0.68 | 0.43 | 4.96 | 0.74 | 2.39 | 0.82 | 4.99 | 1.84 | 1.49 | 1.01 | 0.90 | 20.50 |
| 1943 | T | 0.12 | 0.76 | 2.08 | 1.60 | 2.25 | 2.17 | 0.83 | 0.57 | 0.26 | T | 0.30 | 10.94 |
| 1944 | 1.87 | 0.32 | 1.89 | 4.98 | 2.19 | 3.17 | 6.94 | 1.85 | 0.30 | 1.17 | 1.72 | 0.43 | 26.83 |
| 1945 | 0.84 | 0.19 | 0.10 | 3.26 | 2.33 | 3.23 | 1.88 | 1.21 | 1.07 | 0.56 | T | 0.50 | 15.17 |
| 1946 | 0.01 | T | 2.43 | 0.17 | 4.50 | 2.62 | 4.77 | 0.54 | 4.29 | 7.55 | 2.85 | T | 29.73 |
| Normal | 0.26 | 0.66 | 1.05 | 2.04 | 2.87 | 3.00 | 2.54 | 2.42 | 1.96 | 1.21 | 0.70 | 0.64 | 19.35 |

HUGOTON, STEVENS COUNTY. — Elevation, 3,100 feet

| | | | | | | | | | | | | | |
|--------|------|-------|-------|-------|------|-------|------|------|------|-------|------|------|-------|
| 1931 | 0.00 | 1.09 | *1.25 | *1.10 | 2.00 | 1.25 | 0.52 | 1.70 | 0.70 | *1.25 | 0.43 | 0.11 | 11.40 |
| 1932 | 0.60 | *0.28 | 1.31 | 2.61 | 0.77 | 6.01 | 0.37 | 0.35 | 0.58 | 0.63 | 0.14 | 0.35 | 14.00 |
| 1933 | T | 0.30 | 0.24 | 0.60 | 4.49 | 0.10 | 1.52 | 6.75 | T | 0.96 | 2.17 | 0.90 | 18.03 |
| 1934 | 0.21 | 1.06 | 0.67 | 0.01 | 0.36 | 1.52 | 2.34 | 0.97 | 0.86 | 0.58 | 0.34 | 0.03 | 8.95 |
| 1935 | 0.58 | 0.14 | 1.26 | 0.00 | 2.71 | 1.26 | 1.35 | 1.46 | 1.35 | 0.58 | 1.27 | 0.44 | 12.40 |
| 1936 | 0.80 | 0.11 | 0.04 | 0.66 | 5.35 | 1.18 | 0.21 | 1.01 | 1.54 | 0.59 | 0.00 | 0.75 | 12.24 |
| 1937 | 0.12 | 0.23 | 0.51 | 0.22 | 1.62 | *2.16 | 1.73 | 1.24 | 0.42 | 0.92 | 0.13 | 0.25 | 9.55 |
| 1938 | T | 0.50 | 0.86 | 1.53 | 2.41 | 4.95 | 1.75 | 0.39 | 4.69 | 1.26 | 0.13 | 0.41 | 18.88 |
| 1939 | 0.89 | 0.54 | 2.08 | 1.44 | 1.41 | 2.30 | 0.75 | 0.22 | 0.03 | 0.09 | 0.01 | 0.95 | 10.71 |
| 1940 | 0.61 | 0.56 | 0.83 | 2.23 | 6.21 | 1.47 | 0.05 | 2.55 | 1.77 | 0.31 | 2.85 | 0.50 | 19.94 |
| 1941 | 0.83 | 1.99 | 0.87 | 1.87 | 4.11 | 7.16 | 3.79 | 2.08 | 1.37 | 3.65 | 0.38 | 0.24 | 28.34 |
| 1942 | 0.33 | 0.85 | 1.19 | 3.28 | 0.67 | 4.05 | 2.96 | 5.28 | 2.45 | 3.17 | 0.02 | 1.34 | 25.59 |
| 1943 | 0.77 | 0.05 | 0.15 | 1.29 | 1.39 | 1.89 | 3.87 | 3.39 | 0.15 | 0.53 | 0.25 | 1.60 | 15.33 |
| 1944 | 1.26 | 0.59 | 1.28 | 5.96 | 6.83 | 1.25 | 5.45 | 1.23 | 0.61 | 1.12 | 0.89 | 1.82 | 28.29 |
| 1945 | 1.41 | 1.20 | 0.51 | 1.80 | 0.99 | 4.39 | 2.68 | 3.55 | 1.24 | 0.31 | 1.15 | 0.37 | 18.60 |
| 1946 | 0.40 | 1.58 | 1.76 | 0.79 | 2.60 | 3.61 | 1.04 | 2.76 | 6.96 | 6.71 | 3.92 | 0.02 | 32.15 |
| Normal | 0.28 | 0.74 | 0.80 | 1.49 | 2.63 | 2.90 | 2.44 | 2.15 | 1.70 | 1.44 | 0.70 | 0.60 | 17.87 |

IMPERIAL (NEAR), LANE COUNTY. — Elevation, 2,800 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1940 | -- | -- | -- | 0.64 | 4.51 | 1.61 | 1.40 | 2.94 | 1.12 | 0.34 | 1.26 | 0.62 | -- |
| 1941 | 1.21 | 1.01 | 0.64 | 2.49 | 3.61 | 5.58 | 2.82 | 3.27 | 1.74 | 1.37 | 0.76 | 0.40 | 24.90 |
| 1942 | 0.18 | 0.71 | 0.84 | 5.29 | 0.37 | 5.51 | 2.75 | 1.43 | 2.12 | 2.95 | 0.10 | 1.00 | 23.25 |
| 1943 | 0.13 | 0.11 | 0.82 | 3.20 | 1.02 | 2.77 | 2.04 | 2.37 | 0.26 | 0.25 | 0.01 | 0.74 | 13.52 |
| 1944 | 2.46 | 1.31 | 2.84 | 5.72 | 5.97 | 1.00 | 4.95 | 2.34 | 0.58 | 0.94 | 1.22 | 1.12 | 30.45 |
| 1945 | 1.52 | 0.38 | 0.15 | 3.44 | 0.19 | 2.68 | 4.60 | 1.18 | 1.43 | 1.55 | T | 0.65 | 17.77 |
| 1946 | 0.52 | 0.37 | 1.05 | 0.53 | 2.19 | 2.18 | 0.50 | 1.41 | 6.20 | 6.95 | 2.65 | 0.11 | 24.66 |
| Normal | 0.32 | 0.80 | 0.90 | 2.00 | 2.70 | 2.99 | 2.50 | 2.45 | 1.87 | 1.30 | 0.78 | 0.58 | 19.19 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

JETMORE, HODGEMAN COUNTY. — Elevation, 2,268 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|-------|------|------|------|-------|-------|------|-------|-------|------|--------|
| 1931 | T | 0.90 | 3.08 | 2.97 | 2.12 | 1.14 | 1.70 | 3.37 | 0.65 | 0.26 | 1.63 | 0.53 | 18.35 |
| 1932 | 1.55 | 0.36 | 0.85 | 1.57 | 1.22 | 5.16 | 1.54 | 5.96 | 0.50 | 1.14 | 0.11 | 0.09 | 20.05 |
| 1933 | T | 0.22 | 0.21 | 5.21 | 4.31 | 0.71 | 0.35 | 2.99 | 0.89 | 1.35 | 0.32 | 0.94 | 17.50 |
| 1934 | 0.27 | 1.67 | 0.47 | 0.27 | 2.03 | 4.95 | 1.10 | 1.25 | 1.01 | 1.66 | 1.04 | 0.59 | 16.31 |
| 1935 | 0.15 | 0.53 | 0.44 | 0.06 | 4.03 | 1.21 | 0.15 | 1.54 | 2.86 | 0.98 | 1.36 | T | 13.31 |
| 1936 | 0.38 | 0.10 | 0.18 | 0.53 | 5.50 | 0.86 | 1.38 | 0.71 | 2.21 | 1.40 | T | 0.68 | 13.93 |
| 1937 | 0.67 | 0.44 | 0.77 | 0.20 | 2.18 | 2.19 | 3.27 | 0.88 | 1.15 | 1.18 | T | 0.24 | 13.17 |
| 1938 | T | 0.79 | 1.72 | 2.86 | 4.66 | 2.37 | 1.17 | 1.36 | 1.28 | T | 0.21 | T | 16.42 |
| 1939 | 0.56 | 1.31 | 0.97 | 1.01 | 1.86 | 1.31 | 2.84 | 0.78 | T | 0.22 | 0.31 | 0.77 | 11.94 |
| 1940 | 0.52 | 0.51 | 0.96 | 1.92 | 5.35 | 4.22 | 0.70 | 2.77 | 1.66 | 0.55 | 2.47 | 0.81 | 22.44 |
| 1941 | 1.40 | 1.10 | 0.41 | 2.56 | 1.49 | 6.47 | 2.71 | 0.81 | 2.38 | 4.00 | 0.75 | 0.22 | 24.30 |
| 1942 | 0.03 | 0.86 | 1.67 | 4.45 | 1.41 | 4.45 | 4.06 | 3.98 | 1.34 | *2.50 | *0.05 | 1.17 | 25.97 |
| 1943 | 0.13 | 0.26 | *0.37 | 1.69 | 1.24 | 2.71 | *1.00 | *2.45 | 3.66 | 1.84 | T | 0.98 | 16.33 |
| 1944 | 1.55 | 0.91 | 2.08 | 5.81 | 6.60 | 1.42 | 3.19 | 3.72 | 0.74 | 2.31 | 1.05 | 1.33 | 30.71 |
| 1945 | 1.18 | 1.20 | 0.12 | 4.46 | 1.19 | 2.53 | 2.89 | 1.92 | 3.48 | 1.14 | T | 0.91 | 21.02 |
| 1946 | 0.41 | 0.83 | 0.99 | 0.72 | 2.15 | 1.48 | 0.22 | 1.75 | 4.19 | 6.99 | 2.32 | T | 22.05 |
| Normal | 0.29 | 0.78 | 0.96 | 2.05 | 2.99 | 3.06 | 2.69 | 2.26 | 2.06 | 1.44 | 0.96 | 0.60 | 20.14 |

JOHNSON, STANTON COUNTY. — Elevation, 3,276 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.00 | 1.28 | 1.39 | 0.95 | 1.98 | T | 1.23 | 2.05 | 0.73 | 0.86 | 0.68 | 0.11 | 11.26 |
| 1932 | 1.20 | 0.31 | 1.40 | 2.72 | 1.28 | 5.17 | 0.51 | 0.78 | 1.15 | 0.42 | 0.07 | 0.07 | 15.08 |
| 1933 | T | 0.17 | 1.16 | 1.37 | 4.11 | 0.28 | 1.29 | 4.59 | 0.27 | 0.31 | 1.62 | 1.00 | 16.17 |
| 1934 | 0.20 | 1.36 | 0.69 | 0.16 | 0.57 | 1.52 | 1.37 | 1.35 | 1.27 | 0.54 | 0.31 | 0.04 | 9.38 |
| 1935 | 0.46 | 0.14 | 0.38 | T | 1.80 | 2.87 | 1.28 | 0.33 | 1.32 | 0.27 | 0.93 | 0.11 | 9.89 |
| 1936 | 0.54 | 0.02 | 0.02 | 1.02 | 4.18 | 0.36 | 0.54 | 1.74 | 0.97 | 0.93 | T | 0.34 | 10.66 |
| 1937 | 0.02 | 0.15 | 0.52 | 0.03 | 1.34 | 2.96 | 0.65 | 1.09 | 1.20 | 0.71 | 0.24 | 0.35 | 9.26 |
| 1938 | T | 0.29 | 0.92 | 1.29 | 2.90 | 1.57 | 2.27 | 0.96 | 2.67 | 0.89 | 0.04 | 0.22 | 14.02 |
| 1939 | 0.90 | 0.99 | 1.45 | 0.27 | 2.59 | 1.86 | 0.80 | 0.12 | 0.44 | T | 0.11 | 0.58 | 9.71 |
| 1940 | 0.26 | 0.25 | 0.67 | 1.12 | 4.13 | 1.17 | 0.56 | 2.42 | 0.47 | 0.25 | 0.90 | 0.41 | 12.61 |
| 1941 | 0.85 | 0.60 | 0.78 | 2.17 | 5.09 | 2.48 | 7.99 | 2.22 | 2.32 | 2.87 | 0.62 | 0.19 | 28.18 |
| 1942 | 0.10 | 0.29 | 1.77 | 3.62 | 0.21 | 3.77 | 0.89 | 2.53 | 0.72 | 2.33 | 0.03 | 0.73 | 16.99 |
| 1943 | 0.15 | 0.05 | 0.08 | 1.30 | 0.99 | 1.68 | 2.26 | 2.57 | 0.00 | 0.42 | 0.21 | 0.35 | 10.06 |
| 1944 | 1.13 | 0.23 | 0.43 | 8.50 | 5.45 | 0.71 | 4.36 | 1.64 | 0.16 | 1.32 | 1.02 | 1.02 | 25.97 |
| 1945 | 0.93 | 0.18 | T | 1.34 | 0.18 | 3.19 | 3.23 | 4.12 | 1.50 | 0.20 | T | 0.63 | 15.50 |
| 1946 | 0.16 | 1.26 | 1.39 | 0.33 | 3.34 | 3.52 | 0.56 | 1.77 | 1.03 | 3.68 | 3.71 | 0.01 | 20.76 |
| Normal | 0.27 | 0.50 | 0.88 | 1.40 | 2.55 | 2.14 | 2.19 | 2.24 | 1.61 | 1.19 | 0.56 | 0.32 | 15.85 |

KISMET (NEAR), SEWARD COUNTY. — Elevation, 2,775 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--------|
| 1931 | 0.00 | 0.86 | 1.59 | 1.36 | 1.26 | 0.51 | 1.50 | 1.20 | 0.32 | 0.72 | 0.94 | 0.17 | 10.43 |
| 1932 | 1.09 | 0.32 | 1.06 | 2.20 | 0.18 | 6.42 | 1.08 | 1.01 | 0.90 | 0.46 | 0.18 | 0.53 | 15.43 |
| 1933 | 0.02 | 0.58 | 0.24 | 0.50 | 3.55 | T | 0.98 | 2.30 | 0.04 | 0.87 | 1.25 | T | 10.33 |
| 1934 | 0.10 | 0.49 | 0.56 | 0.26 | 1.50 | 3.00 | 1.06 | 0.63 | 2.50 | 1.04 | 0.35 | 0.20 | 11.69 |
| 1935 | 0.88 | 0.13 | 0.99 | T | 4.94 | 1.95 | 1.23 | 1.87 | 1.39 | 0.62 | 0.90 | 0.60 | 15.50 |
| 1936 | 0.50 | T | T | 0.83 | 6.30 | 0.52 | 1.05 | 0.53 | 2.17 | 0.38 | 0.00 | 0.94 | 13.22 |
| 1937 | 0.28 | 0.28 | 0.55 | 0.07 | 0.89 | 3.66 | 1.37 | 1.08 | 0.77 | *0.45 | 0.15 | *0.06 | 9.10 |
| 1938 | 0.00 | *0.65 | 1.22 | 1.81 | 3.56 | 4.72 | 4.93 | 1.42 | 3.04 | *0.65 | T | *0.30 | 22.30 |
| 1939 | 0.60 | 1.33 | 0.63 | 1.00 | 0.68 | *1.65 | 3.20 | *1.50 | T | *0.27 | T | *0.97 | 11.83 |
| 1940 | 0.73 | 0.67 | 0.43 | *1.35 | 4.24 | 0.85 | 1.37 | *2.95 | 2.02 | *0.28 | 1.53 | 0.33 | 16.75 |
| 1941 | 0.62 | 1.12 | 0.75 | 2.34 | 4.01 | 5.87 | 3.45 | 2.84 | 1.58 | 5.25 | 0.44 | 0.40 | 28.67 |
| 1942 | 0.20 | 0.52 | 0.53 | 4.74 | 0.51 | 6.14 | 2.63 | 4.40 | 0.65 | 3.08 | 0.03 | 1.07 | 24.50 |
| 1943 | 0.26 | 0.04 | 0.20 | 2.09 | 1.02 | 1.64 | 3.01 | 4.67 | 0.09 | 0.15 | 0.08 | 1.21 | 14.46 |
| 1944 | 1.68 | 0.69 | 0.98 | 5.00 | 4.56 | 0.99 | 1.24 | 0.49 | 0.51 | 2.21 | 0.89 | 1.62 | 20.86 |
| 1945 | 0.80 | 0.51 | 0.58 | 2.49 | 2.23 | 4.02 | 1.51 | 1.33 | 2.26 | 0.31 | 0.06 | 0.28 | 16.38 |
| 1946 | 0.29 | 1.48 | 1.36 | 0.70 | 2.84 | 2.38 | 0.72 | 2.08 | 1.22 | 6.95 | 3.18 | 0.16 | 23.36 |
| Normal | 0.27 | 0.63 | 0.88 | 1.41 | 2.79 | 2.80 | 2.47 | 2.44 | 1.81 | 1.50 | 0.76 | 0.49 | 18.25 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

*Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

LAKIN, KEARNEY COUNTY. — Elevation, 2,993 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.00 | 1.05 | 1.70 | 1.83 | 2.59 | 0.43 | 3.79 | 3.37 | 0.44 | 1.48 | 0.67 | 0.11 | 17.46 |
| 1932 | 1.21 | 0.40 | 0.90 | 2.64 | 0.31 | 5.90 | 1.90 | 0.71 | 0.66 | 0.49 | 0.10 | 0.12 | 15.34 |
| 1933 | T | 0.22 | 0.98 | 1.52 | 5.98 | 1.26 | 0.58 | 2.42 | 0.62 | 0.05 | 2.08 | 1.36 | 17.07 |
| 1934 | 0.04 | 1.90 | 0.54 | 0.17 | 0.62 | 1.83 | 0.87 | 0.32 | 2.28 | 0.73 | 0.28 | 0.09 | 9.67 |
| 1935 | 0.23 | 0.14 | 0.30 | T | 3.65 | 1.54 | 0.82 | 2.17 | 1.97 | 0.52 | 0.98 | 0.20 | 12.52 |
| 1936 | 0.32 | T | 0.12 | 0.37 | 4.53 | 0.98 | 0.36 | 0.98 | 1.86 | 1.49 | T | 0.47 | 11.48 |
| 1937 | 0.05 | 0.39 | 0.83 | 0.05 | 0.69 | 3.09 | 2.38 | 0.24 | 1.36 | 0.67 | 0.10 | 0.24 | 10.09 |
| 1938 | T | 0.33 | 0.77 | 1.49 | 2.85 | 1.29 | 3.60 | 1.23 | 1.47 | 0.52 | 0.38 | 0.05 | 13.98 |
| 1939 | 0.62 | 0.85 | 1.54 | 0.11 | 1.21 | 1.00 | 1.10 | 0.57 | 0.05 | T | 0.36 | 0.85 | 8.26 |
| 1940 | *0.61 | 0.40 | 1.42 | 1.02 | 4.12 | 1.23 | 0.33 | 5.44 | 1.24 | 0.33 | 1.46 | 0.32 | 17.92 |
| 1941 | 1.54 | 0.55 | 0.82 | 2.69 | 4.47 | 5.73 | 3.32 | 3.18 | 2.14 | 2.96 | 0.48 | 0.11 | 27.99 |
| 1942 | 0.15 | 0.50 | 1.96 | 5.93 | 0.13 | 5.60 | 1.70 | 2.68 | 0.85 | 2.52 | 0.07 | 1.55 | 23.64 |
| 1943 | 0.08 | 0.07 | 0.17 | 1.38 | 1.09 | 2.29 | 1.26 | 2.55 | 0.28 | 0.25 | 0.03 | 0.45 | 9.90 |
| 1944 | 1.59 | 0.56 | 0.92 | 6.28 | 4.31 | 0.96 | 2.72 | 1.20 | 0.68 | 1.62 | 0.91 | 1.27 | 23.02 |
| 1945 | 1.18 | 0.31 | 0.22 | 1.71 | 0.52 | 2.58 | 2.66 | 4.82 | 1.41 | 0.55 | T | 0.64 | 16.60 |
| 1946 | 0.28 | 0.89 | 1.01 | 0.48 | 4.83 | 2.84 | 0.11 | 3.95 | 3.80 | 5.90 | 4.04 | T | 28.13 |
| Normal | 0.26 | 0.59 | 0.90 | 1.79 | 2.50 | 2.60 | 2.25 | 2.25 | 1.52 | 1.05 | 0.64 | 0.50 | 16.85 |

LEOTI, WICHITA COUNTY. — Elevation, 3,300 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | T | 0.94 | 1.21 | 1.49 | 2.01 | 2.42 | 0.87 | 1.64 | 0.38 | 0.75 | 1.05 | 0.08 | 12.84 |
| 1932 | 1.15 | 0.62 | 0.65 | 2.62 | 0.80 | 8.25 | 0.99 | 1.54 | 0.10 | 0.45 | 0.08 | 0.20 | 17.45 |
| 1933 | T | 0.12 | 1.40 | 2.03 | 2.75 | 0.87 | 1.62 | 3.57 | 0.56 | 0.12 | 1.60 | 1.25 | 15.89 |
| 1934 | 0.02 | 1.62 | 0.43 | 0.11 | 1.72 | 1.07 | 1.35 | 2.85 | 0.90 | 0.50 | 0.40 | T | 10.97 |
| 1935 | 0.20 | 0.37 | 0.34 | 0.17 | 3.53 | 4.60 | T | 0.88 | 2.96 | T | 1.04 | 0.12 | 14.21 |
| 1936 | 0.32 | 0.03 | 0.10 | 1.08 | 6.41 | 1.86 | 0.79 | 2.78 | 1.79 | 0.75 | 0.02 | 0.53 | 16.46 |
| 1937 | 0.28 | 0.40 | 1.15 | 0.68 | 0.91 | 3.15 | 0.88 | 2.17 | 2.32 | 1.15 | 0.10 | 0.48 | 13.67 |
| 1938 | 0.16 | 0.26 | 0.86 | 3.49 | 3.66 | 1.82 | 2.54 | 0.64 | 2.85 | 0.45 | 0.30 | 0.08 | 17.11 |
| 1939 | 0.47 | 1.42 | 1.93 | 0.39 | 3.71 | 3.54 | 0.65 | 1.11 | 0.43 | T | 0.32 | 1.09 | 15.06 |
| 1940 | 0.65 | 0.24 | 1.47 | 0.47 | 2.75 | 3.42 | 1.22 | 1.93 | 1.38 | 0.12 | 0.69 | 0.40 | 14.74 |
| 1941 | 1.23 | 0.39 | 0.75 | 2.72 | 3.78 | 5.87 | 3.32 | 2.69 | 2.00 | 1.26 | 0.53 | 0.63 | 24.17 |
| 1942 | 0.15 | 0.56 | 0.88 | 3.91 | 0.14 | 5.13 | 1.72 | 2.78 | 0.56 | 3.24 | 0.13 | 1.44 | 20.64 |
| 1943 | 0.15 | 0.20 | 0.26 | 2.01 | 2.61 | 3.31 | 4.31 | 3.53 | 0.06 | 0.30 | 0.32 | 0.57 | 17.63 |
| 1944 | 1.70 | 0.48 | 1.52 | 8.47 | 6.21 | 0.78 | 4.51 | 0.29 | 0.57 | 0.87 | 0.99 | 0.40 | 26.79 |
| 1945 | 1.03 | 0.36 | 0.08 | 3.63 | 0.40 | 1.46 | 1.95 | 2.17 | 1.31 | 0.72 | 0.03 | 0.13 | 13.27 |
| 1946 | 0.14 | 0.37 | 2.02 | 0.64 | 2.93 | 3.78 | 2.66 | 2.56 | 1.45 | 5.58 | 3.33 | T | 25.46 |
| Normal | 0.26 | 0.67 | 0.85 | 1.80 | 2.55 | 2.80 | 2.42 | 2.32 | 1.38 | 1.13 | 0.55 | 0.58 | 17.31 |

LIBERAL, SEWARD COUNTY. — Elevation, 2,843 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | T | 1.38 | 2.32 | 1.15 | 2.11 | 1.14 | 0.82 | 1.09 | 0.59 | 1.27 | 1.23 | 0.27 | 13.37 |
| 1932 | 1.48 | 0.21 | 1.25 | 2.65 | 1.01 | 5.71 | 1.88 | 0.60 | 1.33 | 1.47 | 0.13 | 0.59 | 18.31 |
| 1933 | T | 0.40 | 0.24 | 0.33 | 2.93 | T | 0.82 | 5.03 | T | 1.63 | 1.57 | 0.24 | 13.19 |
| 1934 | 0.03 | 0.67 | 1.38 | 0.22 | 0.62 | 2.80 | 0.74 | 4.49 | 1.50 | 0.77 | 0.37 | 0.54 | 14.13 |
| 1935 | 0.26 | T | 1.93 | 0.00 | 3.62 | 1.49 | 0.69 | 3.08 | 1.36 | 0.69 | 1.07 | 0.23 | 14.42 |
| 1936 | 0.50 | T | 0.02 | 1.00 | 9.00 | 3.88 | 0.43 | 0.91 | 2.26 | 0.69 | T | 0.77 | 19.46 |
| 1937 | 0.63 | 0.34 | 0.79 | 0.08 | 1.25 | 2.54 | 1.95 | 1.27 | 1.71 | 0.55 | 0.17 | 0.05 | 11.33 |
| 1938 | 0.00 | 0.85 | 1.14 | 1.18 | 3.34 | 4.12 | 3.18 | 0.38 | 4.37 | 0.45 | 0.21 | 0.40 | 19.62 |
| 1939 | 0.87 | 0.88 | 1.92 | 1.50 | 0.95 | 2.56 | 2.32 | 1.29 | 0.03 | 0.27 | 0.02 | 1.02 | 13.63 |
| 1940 | 0.50 | 0.58 | 0.19 | 1.70 | 5.47 | 0.97 | 0.44 | 2.41 | 2.13 | 0.55 | 2.47 | 0.63 | 18.04 |
| 1941 | 0.71 | 1.23 | 1.20 | 1.76 | 9.30 | 3.05 | 2.32 | 1.97 | 1.97 | 5.18 | 0.46 | 0.12 | 29.27 |
| 1942 | 0.21 | 0.27 | 1.30 | 5.63 | 1.05 | 3.56 | 2.06 | 3.14 | 1.11 | 4.66 | 0.03 | 0.56 | 23.58 |
| 1943 | 0.14 | 0.06 | 0.31 | 2.41 | 1.32 | 2.20 | 1.34 | 3.25 | 0.13 | 1.01 | 0.24 | 2.41 | 14.82 |
| 1944 | 1.65 | 0.77 | 1.55 | 4.25 | 6.32 | 0.35 | 4.53 | 1.90 | 1.06 | 1.17 | 1.58 | 1.13 | 26.26 |
| 1945 | 1.10 | 0.77 | 0.57 | 1.73 | 1.50 | 4.16 | 3.14 | 1.25 | 2.24 | 0.19 | 0.04 | 0.25 | 18.74 |
| 1946 | 0.21 | 1.81 | 0.60 | 0.62 | 2.23 | 0.89 | 1.83 | 4.10 | 1.34 | 8.44 | 3.35 | 0.03 | 25.45 |
| Normal | 0.29 | 0.75 | 0.87 | 1.56 | 2.87 | 2.75 | 2.65 | 2.38 | 1.86 | 1.57 | 0.77 | 0.62 | 18.94 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

NESS CITY, NESS COUNTY. — Elevation, 2,260 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.00 | 0.57 | 3.44 | 1.27 | 0.93 | 1.33 | 2.93 | 1.44 | 0.11 | 0.62 | 1.72 | 0.40 | 14.76 |
| 1932 | 2.30 | 0.50 | 0.68 | 1.19 | 1.53 | 5.11 | 0.89 | 2.97 | 0.45 | 1.10 | 0.11 | 0.12 | 16.95 |
| 1933 | 0.00 | 0.23 | 0.09 | 3.94 | 5.71 | 0.97 | 0.68 | 5.74 | 2.37 | 0.20 | 0.52 | 0.79 | 21.24 |
| 1934 | 0.20 | 1.82 | 0.28 | 0.43 | 1.74 | 2.76 | 0.15 | 1.51 | 1.06 | 1.24 | 0.88 | 0.00 | 12.07 |
| 1935 | 0.04 | 0.31 | 0.17 | 0.03 | 7.89 | 4.26 | 0.32 | 1.14 | 1.65 | 0.56 | 1.35 | 0.03 | 17.75 |
| 1936 | 0.17 | 0.06 | 0.08 | 0.68 | 6.04 | 1.23 | 1.03 | 1.25 | 1.62 | 1.52 | T | 0.58 | 14.36 |
| 1937 | 0.79 | 0.46 | 0.91 | 0.13 | 1.22 | 2.42 | 2.53 | 2.79 | 0.46 | 1.18 | 0.23 | 0.26 | 13.38 |
| 1938 | T | 0.49 | 1.19 | 2.86 | 5.71 | 1.97 | 2.27 | 1.62 | 3.92 | 0.07 | 0.26 | T | 20.36 |
| 1939 | 0.41 | 1.94 | 1.59 | 1.77 | 2.30 | 2.24 | 1.47 | 1.57 | 0.10 | 0.04 | 0.15 | 0.69 | 14.27 |
| 1940 | 0.66 | 0.53 | 0.70 | 2.05 | 3.97 | 2.88 | 3.74 | 4.46 | 1.48 | 1.36 | 2.54 | 0.84 | 25.21 |
| 1941 | 1.05 | 0.92 | 1.12 | 3.05 | 4.46 | 6.07 | 1.68 | 2.20 | 1.94 | 2.25 | 0.49 | 0.66 | 25.89 |
| 1942 | 0.26 | 0.87 | 1.62 | 4.69 | 0.64 | 5.67 | 1.06 | 7.39 | 1.62 | 1.82 | 0.15 | 1.82 | 28.21 |
| 1943 | 0.25 | 0.24 | 0.80 | 2.32 | 1.29 | 0.79 | 3.81 | 2.82 | 0.39 | 0.17 | 0.02 | 0.73 | 13.63 |
| 1944 | 1.84 | 0.86 | 2.79 | 5.84 | 4.67 | 0.85 | 7.89 | 3.66 | 1.05 | 1.30 | 0.65 | 1.01 | 32.41 |
| 1945 | 1.00 | 0.69 | 0.07 | 3.83 | 1.38 | 2.09 | 2.12 | 0.82 | 1.47 | 1.57 | T | 1.27 | 16.31 |
| 1946 | 0.27 | 0.47 | 1.33 | 0.82 | 2.46 | 2.72 | 2.88 | 2.03 | 3.85 | 5.53 | 2.09 | 0.01 | 24.46 |
| Normal | 0.30 | 0.79 | 0.95 | 2.08 | 3.00 | 3.33 | 2.57 | 2.50 | 2.04 | 1.40 | 0.82 | 0.60 | 20.38 |

NORTON (NEAR), NORTON COUNTY. — Elevation, 2,340 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | T | 1.28 | 2.88 | 1.96 | 0.58 | 1.54 | 1.84 | 5.34 | 1.12 | 2.08 | 1.78 | 0.20 | 20.60 |
| 1932 | 1.17 | 0.55 | 0.27 | 1.42 | 1.84 | 3.58 | 1.13 | 1.57 | 3.18 | 0.81 | 0.08 | 0.12 | 15.72 |
| 1933 | T | 0.03 | 0.64 | 3.91 | 2.12 | 0.77 | 1.66 | 5.06 | 2.08 | 0.00 | 0.97 | 1.37 | 18.61 |
| 1934 | T | 1.90 | 0.21 | 0.99 | 1.13 | 3.44 | 0.49 | 1.81 | 1.69 | 0.07 | 2.08 | 0.27 | 13.68 |
| 1935 | T | 0.17 | T | 1.03 | 4.82 | 3.36 | 0.58 | 1.86 | 3.46 | 0.32 | 1.25 | 0.05 | 16.90 |
| 1936 | 0.10 | 0.10 | 0.20 | 0.47 | 5.01 | 0.19 | 1.50 | 1.80 | 1.87 | 0.33 | T | 1.17 | 12.74 |
| 1937 | 0.53 | 0.35 | 0.40 | 0.57 | 2.41 | 2.92 | 1.13 | 0.42 | 1.01 | 2.61 | 0.05 | 0.08 | 12.48 |
| 1938 | 0.31 | 0.22 | 1.84 | 2.92 | 4.67 | 1.25 | 1.84 | 1.68 | 1.00 | 0.09 | 0.08 | T | 15.90 |
| 1939 | 0.37 | 0.73 | 1.18 | 1.18 | 2.40 | 3.95 | 1.57 | 2.37 | 0.10 | 0.03 | T | 0.48 | 14.36 |
| 1940 | 0.34 | 0.31 | 1.19 | 0.87 | 2.89 | 1.12 | 2.92 | 1.32 | 1.69 | 0.70 | 1.48 | 0.39 | 15.22 |
| 1941 | 0.74 | 0.67 | 0.32 | 3.48 | 2.26 | 8.58 | 1.90 | 1.48 | 6.91 | 0.51 | 0.68 | 0.59 | 28.12 |
| 1942 | 0.15 | 0.35 | 1.16 | 6.04 | 1.68 | 4.77 | 2.31 | 5.88 | 3.49 | 0.62 | 0.53 | 0.71 | 27.69 |
| 1943 | 0.02 | 0.27 | 0.16 | 4.74 | 0.89 | 4.45 | 1.72 | 1.80 | 1.00 | 0.22 | 0.19 | 0.17 | 15.63 |
| 1944 | 1.76 | 1.18 | 1.81 | 5.28 | 3.27 | 1.55 | 9.70 | 1.41 | 0.09 | 0.94 | 1.64 | 0.19 | 28.82 |
| 1945 | 1.16 | 0.23 | 0.14 | 3.15 | 2.33 | 3.51 | 1.93 | 1.44 | 1.45 | 0.46 | 0.64 | 0.55 | 16.39 |
| 1946 | 0.12 | T | 2.66 | T | 5.82 | 2.66 | 2.94 | 0.22 | 2.02 | 6.07 | 1.84 | T | 24.35 |
| Normal | 0.26 | 0.66 | 0.99 | 2.30 | 2.98 | 3.28 | 3.04 | 2.52 | 2.01 | 1.35 | 0.85 | 0.58 | 20.82 |

OAKLEY, LOGAN COUNTY. — Elevation, 3,049 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.00 | 1.88 | 2.60 | 1.99 | 0.64 | 2.40 | 3.98 | 2.42 | 0.52 | 0.85 | 0.98 | 0.14 | 18.40 |
| 1932 | 2.04 | 0.80 | 0.60 | 2.32 | 1.05 | 3.90 | 1.48 | 1.85 | 2.59 | 0.33 | 0.05 | 0.31 | 17.32 |
| 1933 | 0.12 | 0.06 | 1.35 | 3.65 | 4.55 | 0.38 | 1.83 | 7.11 | 0.44 | 0.00 | 1.42 | 1.00 | 21.91 |
| 1934 | T | 1.76 | 0.72 | 0.17 | 2.44 | 2.11 | 0.67 | 1.55 | 1.15 | 0.30 | 0.84 | 0.05 | 11.76 |
| 1935 | 0.05 | 0.15 | 0.33 | 0.56 | 4.20 | 2.28 | 1.82 | 1.48 | 4.00 | 0.20 | 0.75 | 0.10 | 15.92 |
| 1936 | 0.23 | T | 0.20 | 0.66 | 6.25 | 0.64 | 0.45 | 2.20 | 2.27 | 1.24 | T | 0.65 | 14.79 |
| 1937 | 0.80 | 0.29 | 0.47 | 0.52 | 1.03 | 3.14 | 2.57 | 1.86 | 1.06 | 2.28 | 0.02 | 0.30 | 14.34 |
| 1938 | 0.15 | 0.17 | 0.96 | 2.46 | 5.81 | 2.64 | 4.64 | 0.77 | 2.99 | 0.24 | 0.20 | T | 20.93 |
| 1939 | 0.59 | 0.93 | 2.60 | 0.96 | 1.22 | 2.74 | 0.36 | 1.28 | 0.57 | 0.00 | 0.00 | 1.01 | 12.26 |
| 1940 | 1.08 | 0.17 | 2.78 | 0.56 | 1.88 | 2.52 | 2.36 | 1.31 | 1.49 | 0.45 | 1.09 | 0.94 | 16.63 |
| 1941 | 1.01 | 0.67 | 0.68 | 4.16 | 4.08 | 6.14 | 9.83 | 0.92 | 3.96 | 1.33 | 0.25 | 1.60 | 34.63 |
| 1942 | 0.41 | 0.64 | 0.82 | 6.86 | 0.72 | 3.51 | 1.52 | 1.77 | 1.04 | 2.76 | 0.30 | 1.10 | 21.45 |
| 1943 | 0.10 | 0.18 | 0.74 | 1.68 | 1.56 | 2.50 | 5.58 | 1.15 | 0.07 | 0.20 | 0.20 | 1.11 | 15.07 |
| 1944 | 2.47 | 0.79 | 2.61 | 7.35 | 2.63 | 2.86 | 3.54 | 1.15 | 0.57 | 0.62 | 1.80 | 0.30 | 26.69 |
| 1945 | 1.70 | 0.15 | 0.08 | 3.66 | 1.80 | 2.54 | 1.60 | 3.38 | 1.06 | 0.49 | 0.10 | 0.27 | 16.83 |
| 1946 | 0.12 | 0.10 | 3.59 | 0.52 | 4.57 | 5.06 | 4.20 | 0.78 | 2.28 | 9.02 | 3.65 | T | 34.49 |
| Normal | 0.39 | 0.57 | 0.95 | 1.96 | 2.97 | 2.89 | 2.77 | 2.35 | 1.75 | 1.15 | 0.63 | 0.57 | 18.97 |

Normals for all stations are computed for the 45-year period, 1893 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

OSBORN, DECATUR COUNTY. — Elevation, 2,539 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|-------|------|------|------|------|------|--------|
| 1931 | 0.02 | 1.43 | 2.68 | 1.22 | 1.39 | 2.34 | 0.88 | 2.91 | 1.24 | 1.43 | 2.05 | 0.18 | 17.77 |
| 1932 | 0.48 | 0.41 | 0.38 | 2.09 | 1.97 | 3.37 | 2.49 | 0.83 | 1.18 | 0.37 | 0.20 | 0.30 | 14.07 |
| 1933 | T | 0.10 | 1.34 | 1.96 | 4.08 | 0.71 | 3.58 | 5.11 | 1.14 | 0.36 | 0.43 | 1.44 | 20.55 |
| 1934 | 0.14 | 0.58 | 0.25 | 0.76 | 1.45 | 2.93 | 0.22 | 0.76 | 2.30 | 0.05 | 0.92 | 0.25 | 10.61 |
| 1935 | 0.02 | 0.19 | 0.35 | 0.44 | 3.79 | 4.27 | 1.05 | 1.60 | 1.92 | 0.30 | 1.09 | 0.09 | 15.11 |
| 1936 | 0.24 | 0.08 | 0.14 | 0.81 | 3.81 | 0.62 | 0.80 | 0.56 | 1.67 | 0.50 | 0.03 | 0.31 | 9.57 |
| 1937 | 0.27 | 0.14 | 1.07 | 0.67 | 1.72 | 5.47 | 2.19 | 3.46 | 1.33 | 1.67 | 0.03 | 0.16 | 18.18 |
| 1938 | 0.25 | 0.08 | 1.36 | 2.09 | 5.53 | 2.42 | 1.76 | 1.94 | 0.84 | 0.02 | 0.16 | 0.09 | 16.54 |
| 1939 | 0.24 | 0.42 | 1.19 | 0.95 | 1.91 | 2.16 | 0.49 | 1.23 | T | T | T | 0.84 | 9.95 |
| 1940 | 0.60 | 0.40 | 1.45 | 0.64 | 1.33 | 0.72 | 3.26 | 1.36 | 1.14 | 0.38 | 0.88 | 0.44 | 12.60 |
| 1941 | 0.92 | 0.22 | 0.81 | 4.91 | 2.35 | 6.60 | 5.86 | 3.01 | 5.98 | 0.85 | 0.28 | 0.97 | 32.76 |
| 1942 | 0.26 | 0.40 | 1.09 | 4.60 | 0.85 | 5.10 | 0.66 | 5.17 | 2.40 | 0.63 | 0.47 | 0.55 | 22.18 |
| 1943 | 0.06 | 0.29 | 0.34 | 2.16 | 1.21 | 4.66 | 1.89 | 2.02 | 2.97 | 0.90 | 0.09 | 0.06 | 16.65 |
| 1944 | 1.94 | 0.78 | 1.33 | 6.77 | 1.48 | 2.02 | 11.83 | 1.58 | 0.16 | 1.01 | 1.42 | 0.20 | 30.52 |
| 1945 | 0.79 | 0.15 | 0.23 | 3.60 | 1.85 | 3.45 | 4.15 | 2.23 | 1.27 | 0.49 | 0.08 | 0.55 | 18.84 |
| 1946 | 0.11 | T | 3.48 | 0.17 | 4.57 | 3.22 | 4.88 | 1.48 | 2.51 | 6.31 | 2.89 | 0.02 | 29.64 |
| Normal | 0.28 | 0.61 | 0.94 | 2.20 | 2.75 | 2.88 | 2.85 | 2.55 | 1.94 | 1.15 | 0.73 | 0.61 | 19.49 |

PLAINS, MEADE COUNTY. — Elevation, 2,766 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|-------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.00 | 0.95 | *2.40 | 1.36 | 1.60 | 0.15 | 1.85 | 3.35 | 0.73 | 0.51 | 1.22 | 0.45 | 14.57 |
| 1932 | 0.75 | 0.40 | 0.85 | 2.61 | 0.63 | 6.82 | 2.00 | 0.54 | 0.74 | 0.52 | 0.02 | 0.10 | 15.98 |
| 1933 | T | 0.08 | 0.00 | 1.33 | 5.59 | 0.30 | 0.70 | 1.93 | 0.38 | 1.46 | 1.57 | 0.15 | 13.49 |
| 1934 | 0.10 | 0.63 | 0.90 | 0.37 | 0.74 | 3.49 | 0.70 | 0.46 | 1.51 | 0.70 | 0.59 | 0.35 | 10.54 |
| 1935 | 0.71 | 0.12 | 2.05 | 0.00 | 6.24 | 1.54 | 3.33 | 1.29 | 1.99 | 0.64 | 0.92 | 0.34 | 19.17 |
| 1936 | 0.54 | T | 0.01 | 1.36 | 6.71 | 2.43 | 1.60 | 1.29 | 2.12 | 0.83 | 0.00 | 1.05 | 17.94 |
| 1937 | 0.74 | 0.47 | 0.74 | 0.33 | 0.98 | 4.00 | 0.67 | 0.84 | 2.96 | 1.39 | 0.25 | 0.04 | 13.41 |
| 1938 | 0.00 | 0.91 | 1.43 | 2.36 | 4.19 | 4.79 | 0.77 | 0.56 | 2.91 | 0.45 | 0.08 | 0.25 | 18.70 |
| 1939 | 0.94 | 1.18 | 1.32 | 1.53 | 1.73 | 1.93 | 0.73 | 0.80 | T | 0.35 | 0.02 | 0.98 | 11.51 |
| 1940 | 0.50 | 0.46 | 0.09 | 1.13 | 7.35 | 1.04 | 1.21 | 2.33 | 1.67 | 0.10 | 1.83 | 0.59 | 18.30 |
| 1941 | 0.75 | 1.51 | 1.07 | 1.90 | 6.25 | 4.50 | 4.84 | 2.06 | 1.84 | 5.71 | 0.56 | 0.24 | 31.23 |
| 1942 | 0.08 | 0.37 | 0.88 | 4.84 | 0.64 | 4.06 | 3.09 | 4.01 | 0.70 | 4.20 | 0.03 | 0.71 | 24.01 |
| 1943 | 0.31 | 0.08 | 0.34 | 1.60 | 3.32 | 1.91 | 1.22 | 2.99 | 0.22 | 0.74 | 0.10 | 2.15 | 14.78 |
| 1944 | 1.68 | 0.92 | 1.32 | 5.71 | 4.68 | 1.08 | 2.72 | 2.26 | 1.24 | 1.51 | 2.24 | 2.13 | 27.49 |
| 1945 | 1.04 | 0.93 | 0.28 | 3.01 | 2.18 | 3.44 | 1.42 | 2.13 | 3.17 | 0.36 | T | 0.31 | 18.27 |
| 1946 | 0.20 | 1.91 | 0.99 | 1.35 | 2.58 | 1.73 | 0.66 | 2.60 | 3.15 | 6.39 | 4.14 | 0.03 | 22.93 |
| Normal | 0.33 | 0.72 | 0.91 | 1.63 | 2.92 | 3.01 | 2.65 | 2.24 | 1.95 | 1.73 | 1.01 | 0.65 | 19.75 |

QUINTER, GOVE COUNTY. — Elevation, 2,664 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|-------|------|------|------|------|------|------|--------|
| 1931 | T | 1.36 | 3.60 | 2.87 | 0.82 | 1.73 | 2.60 | 5.57 | 0.30 | 1.39 | 1.26 | 0.38 | 21.88 |
| 1932 | 1.25 | 0.73 | 1.18 | 1.89 | 1.98 | 4.53 | 1.32 | 1.62 | 5.68 | 1.23 | 0.09 | 0.20 | 21.70 |
| 1933 | 0.11 | 0.08 | 0.24 | 2.44 | 3.08 | 0.71 | 1.47 | 3.05 | 1.54 | 0.27 | 0.65 | 1.37 | 15.01 |
| 1934 | T | 1.14 | 0.63 | 0.34 | 2.02 | 3.01 | 0.96 | 0.88 | 0.83 | 0.29 | 0.72 | 0.08 | 10.90 |
| 1935 | 0.02 | 0.48 | 0.20 | 0.43 | 5.58 | 10.13 | 1.86 | 0.30 | 3.92 | 0.68 | 1.67 | 0.05 | 25.32 |
| 1936 | 0.16 | 0.28 | T | 0.99 | 6.24 | 2.11 | 0.54 | 1.17 | 3.81 | 0.90 | 0.02 | 0.64 | 16.86 |
| 1937 | 0.50 | 0.38 | 0.75 | 0.26 | 1.00 | 2.46 | 1.27 | 0.97 | 1.78 | 1.80 | 0.14 | 0.17 | 11.48 |
| 1938 | 0.19 | 0.49 | 0.86 | 2.54 | 6.22 | 2.40 | 2.39 | 0.17 | 2.03 | 0.39 | 0.41 | T | 17.99 |
| 1939 | 0.28 | 1.24 | 2.30 | 1.49 | 0.80 | 3.08 | 1.38 | 3.04 | T | 0.02 | 0.00 | 0.91 | 14.54 |
| 1940 | 0.45 | 0.46 | 1.66 | 1.11 | 3.30 | 1.55 | 1.71 | 2.73 | 1.60 | 1.95 | 1.66 | 0.71 | 18.89 |
| 1941 | 1.11 | 0.56 | 0.21 | 3.73 | 2.19 | 10.57 | 4.19 | 0.80 | 1.98 | 1.23 | 0.52 | 1.30 | 28.49 |
| 1942 | 0.36 | 0.46 | 2.58 | 4.01 | 1.20 | 2.92 | 1.08 | 3.86 | 2.23 | 1.98 | 0.30 | 1.14 | 22.12 |
| 1943 | 0.08 | 0.32 | 0.51 | 2.69 | 2.93 | 7.78 | 3.40 | 1.63 | 0.68 | 0.24 | 0.08 | 0.58 | 20.92 |
| 1944 | 1.80 | 1.57 | 2.22 | 4.78 | 4.17 | 2.35 | 8.29 | 2.41 | 0.66 | 1.18 | 1.49 | 0.40 | 31.32 |
| 1945 | 1.30 | 0.16 | 0.07 | 4.89 | 1.63 | 5.52 | 2.07 | 1.72 | 1.36 | 0.49 | T | 0.79 | 20.00 |
| 1946 | 0.16 | T | 3.21 | 0.35 | 4.52 | 3.00 | 2.42 | 3.46 | 5.47 | 7.23 | 2.51 | T | 32.33 |
| Normal | 0.26 | 0.62 | 0.89 | 2.05 | 2.81 | 3.29 | 2.80 | 2.38 | 2.08 | 1.30 | 0.68 | 0.60 | 19.76 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

RICHFIELD, MORTON COUNTY. — Elevation, 3,700 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------|------|-------|-------|-------|------|-------|------|-------|------|------|-------|--------|
| 1931 | 0.00 | 1.83 | *1.25 | *1.10 | *1.90 | 0.41 | T | 4.60 | 0.63 | 0.57 | 0.15 | 0.08 | 12.52 |
| 1932 | 1.95 | 0.21 | *2.00 | *2.73 | 0.15 | 3.01 | 0.33 | 1.11 | 0.73 | 0.40 | 0.21 | 0.23 | 13.06 |
| 1933 | 0.00 | 0.31 | 0.78 | *0.90 | 2.20 | 0.20 | T | 6.06 | 1.18 | 0.64 | 1.45 | 1.40 | 15.12 |
| 1934 | 0.03 | 2.60 | 0.57 | 0.03 | 0.10 | 0.74 | 1.05 | 0.71 | *1.12 | 0.70 | T | T | 7.65 |
| 1935 | 0.40 | 0.05 | 0.60 | T | 1.63 | 1.33 | 0.95 | 0.66 | *1.05 | 0.43 | 0.71 | *0.18 | 7.09 |
| 1936 | 0.32 | T | 0.04 | 0.23 | 2.68 | 0.86 | 0.83 | — | — | — | — | — | — |
| 1937 | T | 0.10 | 0.55 | 0.28 | 1.55 | 0.63 | 1.45 | 0.52 | 1.77 | 0.86 | 0.30 | 0.57 | 8.58 |
| 1938 | T | 0.62 | 0.61 | 1.67 | 3.64 | 2.14 | 2.55 | 0.03 | 2.52 | 1.01 | 0.05 | 0.63 | 15.47 |
| 1939 | 1.06 | 0.70 | 1.07 | 1.41 | 0.97 | 1.25 | 1.28 | T | 0.12 | T | 0.03 | 1.26 | 9.15 |
| 1940 | 0.40 | 0.60 | 0.68 | 1.62 | 2.39 | 1.05 | 1.02 | 2.33 | 0.45 | 0.45 | 2.61 | 0.44 | 14.04 |
| 1941 | 0.94 | 0.66 | 1.11 | 1.79 | 5.16 | 2.04 | 4.77 | 3.08 | 2.86 | 2.48 | 0.40 | *0.17 | 25.46 |
| 1942 | *0.15 | 0.47 | 1.00 | 4.16 | 0.33 | 4.17 | 3.53 | 3.60 | 4.70 | 3.07 | T | 0.72 | 25.90 |
| 1943 | *0.12 | 0.03 | *0.25 | 1.26 | 1.13 | 1.85 | 0.97 | 2.85 | 0.06 | 0.04 | 0.15 | 0.68 | 9.39 |
| 1944 | 1.21 | 0.28 | 0.41 | 3.20 | 5.03 | 0.30 | 4.73 | 0.98 | 0.45 | 0.65 | 0.94 | 1.48 | 19.66 |
| 1945 | 1.03 | 0.21 | 0.21 | 0.88 | 1.25 | 4.11 | *3.05 | 3.32 | 2.13 | 0.49 | 0.02 | 0.83 | 17.53 |
| 1946 | 0.51 | 1.15 | 0.82 | 0.48 | 2.18 | 3.11 | 2.32 | 2.51 | 2.83 | 4.27 | 2.50 | 0.05 | 22.73 |
| Normal | 0.36 | 0.76 | 0.88 | 1.69 | 2.40 | 2.01 | 2.37 | 2.07 | 1.63 | 1.31 | 0.64 | 0.76 | 16.88 |

ST. FRANCIS, CHEYENNE COUNTY. — Elevation, 3,288 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|-------|------|------|------|------|--------|
| 1931 | T | 0.84 | 1.16 | 0.66 | 1.14 | 4.79 | 2.71 | 3.72 | 0.47 | 0.32 | 0.71 | 0.47 | 16.99 |
| 1932 | 0.29 | 0.49 | 0.89 | 4.24 | 2.89 | 4.92 | 5.19 | 0.39 | 0.44 | 0.36 | 0.02 | 0.08 | 20.20 |
| 1933 | T | 0.12 | 0.90 | 2.32 | 2.83 | 0.21 | 2.41 | 11.15 | 3.22 | 0.17 | 0.15 | 0.88 | 24.36 |
| 1934 | 0.13 | 1.40 | 0.51 | 0.42 | 1.17 | 4.78 | 0.39 | 0.97 | 1.55 | 0.12 | 0.66 | 0.14 | 12.24 |
| 1935 | 0.02 | 0.30 | 0.66 | 1.65 | 6.95 | 2.96 | 0.32 | 0.97 | 5.28 | 0.20 | 0.58 | 0.20 | 20.09 |
| 1936 | 0.27 | 0.14 | 0.42 | 1.57 | 4.25 | 0.98 | 2.54 | 2.06 | 2.35 | 0.53 | 0.02 | 0.29 | 15.44 |
| 1937 | 0.49 | 0.20 | 0.76 | 1.17 | 1.77 | 3.09 | 1.57 | 2.92 | 2.81 | 1.40 | 0.10 | 0.44 | 16.72 |
| 1938 | 0.17 | 0.21 | 2.33 | 1.90 | 4.50 | 2.00 | 3.39 | 1.92 | 1.08 | 0.02 | 0.19 | 0.17 | 17.88 |
| 1939 | 0.68 | 0.51 | 1.68 | 1.92 | 2.08 | 4.17 | 1.68 | 1.51 | 0.29 | 0.47 | T | 1.09 | 16.08 |
| 1940 | 0.78 | 0.23 | 2.36 | 1.29 | 1.60 | 1.45 | 2.30 | 1.72 | 1.35 | 0.39 | 0.46 | 0.82 | 14.76 |
| 1941 | 0.73 | 0.19 | 0.77 | 4.07 | 1.83 | 6.70 | 4.60 | 2.64 | 4.04 | 1.98 | 0.19 | 1.32 | 29.06 |
| 1942 | 0.39 | 0.82 | 0.70 | 4.34 | 2.40 | 5.09 | 1.19 | 2.99 | 3.97 | 3.31 | 0.86 | 0.34 | 26.40 |
| 1943 | 0.20 | 0.25 | 0.51 | 1.57 | 2.42 | 2.54 | 1.65 | 0.92 | 0.86 | 1.33 | 0.10 | 0.37 | 12.72 |
| 1944 | 1.82 | 0.55 | 1.82 | 5.94 | 1.93 | 2.07 | 4.92 | 0.42 | 0.66 | 0.82 | 1.36 | 0.32 | 22.63 |
| 1945 | 0.84 | 0.28 | 0.16 | 3.16 | 4.09 | 2.38 | 3.50 | 3.29 | 1.75 | 0.22 | 0.28 | T | 19.95 |
| 1946 | 0.23 | 0.15 | 2.42 | 0.29 | 5.70 | 1.45 | 3.91 | 0.74 | 1.45 | 4.91 | 4.02 | 0.09 | 25.36 |
| Normal | 0.25 | 0.50 | 0.81 | 2.02 | 2.55 | 2.70 | 2.65 | 2.60 | 1.60 | 0.98 | 0.58 | 0.62 | 17.86 |

SCOTT CITY, SCOTT COUNTY. — Elevation, 2,971 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|-------|------|------|------|------|--------|
| 1931 | 0.05 | 0.74 | 2.61 | 2.24 | 1.95 | 4.11 | 2.27 | 1.50 | 0.45 | 0.93 | 1.30 | 0.23 | 18.38 |
| 1932 | 1.20 | 0.61 | 0.70 | 2.60 | 0.73 | 7.54 | 2.12 | 2.69 | 0.90 | 0.67 | 0.16 | 0.14 | 20.06 |
| 1933 | 0.03 | 0.31 | 0.71 | 2.63 | 3.15 | 1.21 | 1.48 | 10.70 | 1.23 | 0.49 | 1.86 | 1.04 | 24.84 |
| 1934 | T | 1.63 | 0.27 | 0.56 | 2.56 | 2.06 | 0.43 | 1.54 | 1.80 | 1.17 | 0.57 | 0.06 | 12.65 |
| 1935 | 0.22 | 0.42 | 0.20 | 0.24 | 5.05 | 3.60 | 0.41 | 1.34 | 2.07 | 0.78 | 1.15 | 0.06 | 15.54 |
| 1936 | 0.15 | 0.06 | 0.10 | 1.05 | 7.32 | 1.22 | 0.45 | 2.02 | 3.51 | 1.87 | 0.05 | 0.44 | 18.24 |
| 1937 | 0.13 | 0.42 | 0.74 | 0.40 | 2.20 | 2.44 | 1.66 | 2.03 | 1.01 | 1.34 | 0.26 | 0.48 | 13.11 |
| 1938 | 0.14 | 0.29 | 0.86 | 2.27 | 4.48 | 1.69 | 1.16 | 0.45 | 2.99 | 0.31 | 0.20 | 0.08 | 14.92 |
| 1939 | 0.53 | 0.71 | 1.71 | 0.99 | 2.11 | 3.12 | 1.25 | 2.97 | 0.09 | T | 0.32 | 0.83 | 14.63 |
| 1940 | 0.75 | 0.28 | 1.35 | 1.10 | 4.57 | 1.03 | 1.02 | 3.54 | 1.38 | 0.36 | 1.04 | 0.46 | 16.88 |
| 1941 | 1.43 | 0.38 | 0.54 | 3.08 | 2.23 | 4.92 | 3.73 | 4.07 | 1.77 | 1.32 | 0.60 | 0.56 | 24.63 |
| 1942 | 0.14 | 0.46 | 1.33 | 4.40 | 0.26 | 5.61 | 3.38 | 1.21 | 1.23 | 3.00 | 0.17 | 1.05 | 22.24 |
| 1943 | 0.06 | 0.14 | 0.31 | 1.39 | 1.86 | 2.13 | 1.76 | 1.57 | 0.06 | 0.26 | 0.38 | 0.46 | 10.38 |
| 1944 | 2.55 | 0.82 | 1.66 | 6.97 | 5.22 | 0.95 | 8.11 | 0.37 | 0.54 | 1.11 | 0.93 | 0.69 | 29.92 |
| 1945 | 0.96 | 0.19 | 0.15 | 3.13 | 1.06 | 2.20 | 2.58 | 1.29 | 0.93 | 1.35 | 0.08 | 0.30 | 14.22 |
| 1946 | 0.22 | 0.22 | 1.66 | 1.04 | 2.38 | 3.36 | 2.43 | 0.70 | 2.20 | 6.68 | 3.92 | 0.04 | 24.85 |
| Normal | 0.36 | 0.76 | 0.85 | 1.85 | 2.83 | 2.90 | 2.46 | 2.43 | 1.66 | 1.20 | 0.72 | 0.59 | 18.61 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

SHARON SPRINGS, WALLACE COUNTY. — Elevation, 3,440 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1931 | 0.00 | 1.41 | 1.21 | 1.57 | 1.41 | 1.35 | 2.04 | 0.40 | 0.14 | 0.63 | 0.65 | 0.06 | 10.87 |
| 1932 | 0.39 | 0.20 | 0.84 | 3.81 | 0.41 | 5.72 | 1.53 | 1.30 | 0.58 | 0.43 | 0.07 | 0.43 | 15.71 |
| 1933 | 0.00 | 0.05 | 0.40 | 2.34 | 3.88 | 2.35 | 5.43 | 8.25 | 1.35 | 0.10 | 0.63 | 0.89 | 25.67 |
| 1934 | 0.00 | 1.10 | 0.54 | 0.19 | 0.70 | 2.64 | 0.83 | 2.08 | 0.74 | 0.45 | 0.09 | 0.04 | 9.40 |
| 1935 | T | 0.25 | 0.36 | 0.10 | 4.25 | 3.58 | 0.87 | 0.61 | 1.38 | 0.01 | 0.70 | 0.02 | 12.13 |
| 1936 | 0.19 | 0.10 | 0.23 | 0.82 | 3.78 | 0.70 | 0.61 | 2.40 | 1.29 | 0.70 | T | 0.30 | 11.12 |
| 1937 | 0.60 | 0.33 | 1.18 | 0.39 | 0.34 | 3.06 | 2.24 | 1.37 | 0.48 | 1.72 | 0.12 | 0.53 | 22.36 |
| 1938 | 0.09 | 0.06 | 2.42 | 4.43 | 5.82 | 1.15 | 4.77 | 1.71 | 1.09 | 0.51 | 0.26 | 0.16 | 22.47 |
| 1939 | 0.57 | 1.06 | 2.26 | 0.60 | 1.36 | 2.41 | 1.91 | 1.09 | 0.63 | 0.00 | T | 1.13 | 13.02 |
| 1940 | 0.49 | 0.28 | 2.34 | 1.11 | 2.73 | 1.34 | 2.41 | 3.56 | 1.88 | 0.21 | 0.39 | 0.43 | 17.17 |
| 1941 | 0.50 | 0.29 | 1.27 | 2.82 | T | 3.90 | 4.40 | 1.92 | 2.79 | 2.06 | 0.35 | 1.48 | 24.35 |
| 1942 | 0.32 | 0.72 | 0.40 | 4.55 | T | 6.09 | 2.53 | 3.33 | 0.83 | 4.36 | 0.08 | 0.80 | 24.01 |
| 1943 | 0.06 | 0.60 | 0.30 | 2.16 | 3.03 | 0.99 | 2.92 | 1.73 | 0.25 | 0.43 | 0.22 | 0.70 | 13.39 |
| 1944 | 1.75 | 0.56 | 1.07 | 5.71 | 2.63 | 1.16 | 3.18 | 0.07 | 0.53 | 1.07 | 0.81 | 0.27 | 18.81 |
| 1945 | 1.51 | 0.20 | 0.14 | 2.83 | 2.07 | 2.11 | 1.04 | 3.75 | 1.67 | 0.38 | 0.08 | 0.11 | 15.89 |
| 1946 | 0.08 | 0.28 | 2.61 | 0.35 | 4.15 | 1.29 | 1.86 | 1.17 | 0.70 | 2.36 | 2.80 | T | 17.65 |
| Normal | 0.19 | 0.46 | 0.77 | 1.65 | 2.49 | 2.54 | 2.64 | 2.30 | 1.27 | 0.98 | 0.54 | 0.49 | 16.32 |

SUBLETTE, HASKELL COUNTY. — Elevation, 2,911 feet

| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|
| 1931 | T | 1.22 | 2.23 | 1.39 | 1.65 | 0.47 | 1.51 | *2.10 | 0.27 | 0.79 | 0.78 | 0.06 | 12.47 |
| 1932 | 0.95 | 0.41 | 0.62 | 2.66 | 0.44 | 6.32 | 1.78 | 0.32 | 1.80 | 0.75 | 0.19 | 0.30 | 16.54 |
| 1933 | 0.05 | 0.58 | 0.14 | 0.93 | 3.88 | 0.58 | 0.16 | 1.61 | 0.73 | 1.02 | 1.06 | 0.50 | 11.24 |
| 1934 | 0.34 | 0.89 | 0.63 | 0.45 | 0.11 | 2.11 | 2.37 | 0.97 | 2.33 | 0.46 | 0.36 | 0.03 | 11.05 |
| 1935 | 1.21 | 0.18 | 0.61 | 0.00 | 3.30 | 1.28 | 0.77 | 1.04 | 1.22 | 0.84 | 1.14 | 0.42 | 12.01 |
| 1936 | 0.28 | 0.01 | 0.07 | 0.94 | 4.72 | 0.67 | 1.19 | 0.81 | 2.68 | 0.59 | T | 0.86 | 12.82 |
| 1937 | 0.37 | 0.32 | 0.40 | 0.16 | 1.23 | 2.96 | 1.81 | *0.40 | 2.88 | 0.39 | 0.24 | 0.08 | 11.24 |
| 1938 | T | 0.58 | 1.12 | 2.24 | 2.91 | 5.10 | 1.28 | 0.58 | 3.50 | 0.73 | 0.11 | 0.19 | 18.34 |
| 1939 | 0.61 | 0.91 | 0.88 | 0.52 | 0.76 | 1.37 | 1.12 | 2.28 | 0.02 | 0.19 | 0.06 | 0.96 | 9.68 |
| 1940 | 0.57 | 0.37 | 0.56 | 1.00 | 3.86 | 0.71 | 0.34 | 3.36 | 1.12 | 0.22 | 1.83 | 0.27 | 14.21 |
| 1941 | 0.89 | 1.03 | 0.62 | 2.33 | 4.47 | 6.43 | 1.72 | 2.50 | 1.55 | 3.14 | 0.71 | 0.24 | 25.63 |
| 1942 | 0.08 | 0.64 | 0.57 | 4.22 | 1.22 | 4.08 | 3.33 | 2.85 | 0.58 | 2.83 | 0.04 | 0.69 | 21.13 |
| 1943 | 0.06 | 0.07 | 0.07 | 2.55 | 2.70 | 1.83 | 1.28 | 4.09 | 0.12 | 0.57 | 0.14 | 0.82 | 14.30 |
| 1944 | 1.55 | 0.65 | 0.71 | 4.94 | 6.03 | 1.39 | 2.90 | 1.18 | 0.67 | 1.69 | 1.16 | 1.35 | 24.22 |
| 1945 | 0.75 | 0.38 | 0.25 | 2.19 | 1.95 | 3.69 | 1.86 | 4.30 | 1.34 | 0.19 | 0.02 | 0.60 | 17.52 |
| 1946 | 0.29 | 1.41 | 0.65 | 0.21 | 2.47 | 3.37 | 1.85 | 1.98 | 4.15 | 8.46 | 3.32 | 0.02 | 28.18 |
| Normal | 0.33 | 0.62 | 0.89 | 1.67 | 2.62 | 2.92 | 2.16 | 2.25 | 1.84 | 1.44 | 0.75 | 0.53 | 18.02 |

SYRACUSE, HAMILTON COUNTY. — Elevation, 3,227 feet

| | | | | | | | | | | | | | |
|--------|------|-------|------|------|------|-------|-------|-------|------|------|-------|------|-------|
| 1931 | 0.00 | 0.88 | 1.97 | 0.92 | 2.85 | 0.05 | 2.14 | 0.92 | 0.72 | 1.05 | *0.65 | 0.56 | 12.71 |
| 1932 | 1.60 | 0.75 | 1.51 | 3.20 | 0.89 | 10.51 | 0.98 | 1.77 | 1.18 | 0.48 | 0.22 | 0.34 | 23.63 |
| 1933 | 0.03 | 0.17 | 1.01 | 1.57 | 3.92 | 0.72 | 1.68 | 4.07 | 1.61 | 0.40 | 0.16 | 0.84 | 17.18 |
| 1934 | T | 2.49 | 0.75 | 0.62 | 0.64 | 3.14 | 0.36 | 0.80 | 1.62 | 1.02 | 0.59 | 0.10 | 12.13 |
| 1935 | 0.26 | *0.15 | 0.30 | 0.60 | 4.45 | 1.42 | *0.75 | *1.07 | 2.46 | 0.08 | 0.90 | 0.12 | 12.56 |
| 1936 | 0.47 | T | 0.19 | 0.20 | 2.76 | 1.18 | 0.96 | 0.56 | 1.54 | 1.80 | 0.02 | 0.18 | 9.86 |
| 1937 | 0.03 | 0.61 | 0.76 | 0.14 | 0.29 | 1.63 | 0.99 | 2.36 | 0.28 | 0.80 | 0.13 | 0.40 | 8.42 |
| 1938 | 0.02 | 0.32 | 0.79 | 1.78 | 2.80 | 0.70 | 5.38 | 1.07 | 3.04 | 0.60 | 0.37 | 0.15 | 17.02 |
| 1939 | 0.97 | 0.63 | 1.09 | 0.23 | 1.75 | 0.66 | 0.61 | 0.35 | 0.22 | 0.00 | 0.21 | 1.35 | 8.07 |
| 1940 | 0.66 | 0.28 | 1.02 | 0.38 | 3.59 | 1.39 | 0.46 | 3.14 | 0.68 | 0.38 | 1.14 | 0.48 | 13.60 |
| 1941 | 1.58 | 0.75 | 0.46 | 2.13 | 4.90 | 4.46 | 2.88 | 3.11 | 2.44 | 2.80 | 0.60 | 0.16 | 26.27 |
| 1942 | 0.25 | 0.27 | 1.20 | 4.82 | 0.26 | 4.43 | 1.04 | 2.79 | 0.85 | 2.63 | 0.04 | 1.13 | 19.71 |
| 1943 | 0.03 | 0.11 | 0.13 | 1.41 | 1.42 | 2.11 | 1.31 | 1.71 | 0.00 | 0.38 | 0.13 | 0.40 | 9.14 |
| 1944 | 1.92 | 0.43 | 1.00 | 6.99 | 4.14 | 2.80 | 4.64 | 0.53 | 0.30 | 0.97 | 0.87 | 0.49 | 25.08 |
| 1945 | 1.19 | 0.16 | 0.10 | 1.56 | 0.84 | 2.42 | 1.66 | 2.84 | 2.37 | 0.44 | 0.03 | 0.23 | 13.84 |
| 1946 | 0.25 | 0.72 | 1.19 | 0.51 | 2.92 | 1.71 | 0.44 | 1.29 | 1.70 | 2.98 | 3.43 | T | 17.15 |
| Normal | 0.30 | 0.56 | 0.82 | 1.68 | 2.48 | 2.48 | 2.52 | 2.41 | 1.50 | 1.13 | 0.60 | 0.49 | 16.97 |

1. for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.

MONTHLY AND ANNUAL PRECIPITATION

WESTERN DIVISION

TRIBUNE, GREELEY COUNTY. — Elevation, 3,612 feet

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|-------|------|------|------|------|------|------|--------|
| 1931 | T | 0.84 | 1.59 | 0.59 | 1.91 | 0.66 | 1.69 | 1.33 | 0.12 | 0.74 | 0.66 | 0.04 | 10.17 |
| 1932 | 0.69 | 0.18 | 0.58 | 2.09 | 0.36 | 11.48 | 1.83 | 1.13 | 0.12 | 0.18 | 0.01 | 0.11 | 18.76 |
| 1933 | 0.00 | 0.04 | 0.81 | 2.09 | 2.80 | 0.90 | 2.39 | 5.81 | 1.03 | 0.01 | 0.63 | 0.94 | 17.45 |
| 1934 | T | 1.01 | 0.19 | 0.19 | 1.39 | 1.46 | 0.83 | 0.98 | 1.00 | 0.60 | 0.07 | 0.04 | 7.76 |
| 1935 | 0.02 | 0.19 | 0.51 | T | 2.61 | 2.20 | 0.62 | 0.48 | 1.54 | T | 0.60 | 0.06 | 8.83 |
| 1936 | 0.20 | 0.03 | 0.26 | 0.41 | 3.73 | 0.75 | 0.99 | 1.53 | 1.52 | 0.46 | 0.02 | 0.24 | 10.14 |
| 1937 | 0.11 | 0.19 | 0.88 | 0.43 | 0.81 | 3.24 | 0.54 | 2.14 | 1.86 | 0.91 | 0.05 | 0.69 | 11.85 |
| 1938 | 0.19 | 0.24 | 0.97 | 1.63 | 5.16 | 3.62 | 2.80 | 0.48 | 3.79 | 0.51 | 0.11 | 0.15 | 19.65 |
| 1939 | 0.54 | 2.03 | 1.50 | 0.30 | 2.49 | 2.54 | 1.50 | 0.22 | 0.19 | T | 0.15 | 1.21 | 12.67 |
| 1940 | 0.77 | 0.33 | 1.32 | 0.50 | 2.10 | 0.70 | 0.66 | 7.54 | 0.72 | 0.32 | 0.77 | 0.25 | 16.06 |
| 1941 | 1.21 | 0.31 | 0.93 | 2.10 | 3.26 | 5.63 | 4.70 | 2.00 | 2.22 | 1.28 | 0.32 | 0.65 | 24.61 |
| 1942 | 0.23 | 0.64 | 0.39 | 4.26 | 0.19 | 6.19 | 1.52 | 2.26 | 0.66 | 4.15 | 0.07 | 1.16 | 21.72 |
| 1943 | 0.19 | 0.22 | 0.40 | 1.48 | 2.50 | 3.77 | 1.55 | 3.04 | 0.14 | 0.32 | 0.27 | 0.82 | 14.70 |
| 1944 | 1.47 | 0.70 | 1.69 | 7.07 | 4.33 | 0.55 | 6.25 | 0.04 | 0.52 | 1.70 | 0.69 | 0.29 | 25.30 |
| 1945 | 1.37 | 0.20 | 0.09 | 2.13 | 1.22 | 2.33 | 1.41 | 4.72 | 2.15 | 0.60 | 0.11 | 1.12 | 16.45 |
| 1946 | 0.38 | 0.46 | 1.93 | 0.47 | 2.98 | 1.91 | 3.34 | 1.43 | 0.60 | 3.60 | 4.27 | T | 21.37 |
| Normal | 0.26 | 0.47 | 0.87 | 1.65 | 2.55 | 2.78 | 2.39 | 2.13 | 1.38 | 0.98 | 0.47 | 0.49 | 16.42 |

ULYSSES, GRANT COUNTY. — Elevation, 3,050 feet

| | | | | | | | | | | | | | |
|--------|------|------|-------|------|------|------|------|------|-------|-------|------|------|-------|
| 1931 | T | 0.93 | 1.10 | 1.08 | 1.88 | 0.54 | 0.34 | 2.17 | 0.69 | 0.53 | 0.35 | 0.02 | 9.63 |
| 1932 | 0.58 | 0.26 | 0.76 | 2.78 | 0.78 | 7.48 | 1.60 | 0.21 | 0.87 | 0.49 | 0.10 | 0.15 | 16.06 |
| 1933 | T | 0.31 | 0.46 | 0.70 | 6.07 | 1.22 | 0.99 | 5.08 | 0.70 | 0.34 | 2.40 | 1.34 | 19.61 |
| 1934 | 0.05 | 1.03 | 0.48 | T | 0.31 | 1.98 | 2.04 | 3.47 | 3.11 | 0.78 | 0.31 | T | 13.56 |
| 1935 | 0.59 | 0.08 | 0.39 | T | 2.82 | 3.07 | 0.84 | 1.36 | 1.24 | 0.14 | 1.09 | 0.17 | 11.79 |
| 1936 | 0.16 | T | T | 0.53 | 8.48 | 0.72 | 1.24 | 1.52 | 1.34 | 0.76 | T | 0.51 | 15.26 |
| 1937 | 0.03 | 0.07 | 0.54 | 0.08 | 1.05 | 2.28 | 2.52 | 0.09 | 2.03 | 0.84 | 0.34 | 0.21 | 10.06 |
| 1938 | T | 0.17 | 0.78 | 1.37 | 3.03 | 3.89 | 1.25 | 1.59 | 3.76 | 0.70 | 0.11 | 0.20 | 16.85 |
| 1939 | 0.55 | 1.29 | 0.83 | 1.28 | 0.79 | 2.96 | 2.03 | 0.62 | 0.05 | T | 0.01 | 0.80 | 11.21 |
| 1940 | 0.40 | 0.29 | 1.22 | 1.15 | 4.29 | 2.30 | 0.29 | 4.10 | 0.65 | 0.17 | 1.52 | 0.36 | 16.74 |
| 1941 | 0.71 | 0.89 | 0.91 | 1.68 | 6.80 | 3.48 | 4.94 | 2.98 | *1.84 | 2.62 | 0.34 | 0.17 | 27.36 |
| 1942 | 0.09 | 0.33 | 1.02 | 5.33 | 1.25 | 4.82 | 1.52 | 3.59 | 0.64 | *2.18 | T | 0.76 | 21.53 |
| 1943 | 0.02 | 0.12 | *0.10 | 1.43 | 0.67 | 2.89 | 1.66 | 4.15 | 0.02 | 0.42 | 0.29 | 0.39 | 12.16 |
| 1944 | 1.31 | 0.41 | 0.67 | 5.12 | 7.10 | 0.77 | 3.75 | 1.51 | 1.18 | 1.31 | 0.57 | 1.29 | 24.99 |
| 1945 | 0.92 | 0.17 | 0.32 | 2.00 | 0.92 | 3.07 | 2.81 | 4.55 | 1.32 | 0.41 | T | 0.69 | 17.18 |
| 1946 | 0.09 | 1.69 | 1.09 | 0.20 | 5.39 | 4.47 | 0.80 | 2.98 | 5.31 | 6.20 | 3.16 | T | 31.38 |
| Normal | 0.26 | 0.55 | 0.90 | 1.51 | 2.42 | 2.94 | 2.34 | 2.24 | 1.73 | 1.30 | 0.59 | 0.46 | 17.24 |

UTICA, NESS COUNTY. — Elevation, 2,614 feet

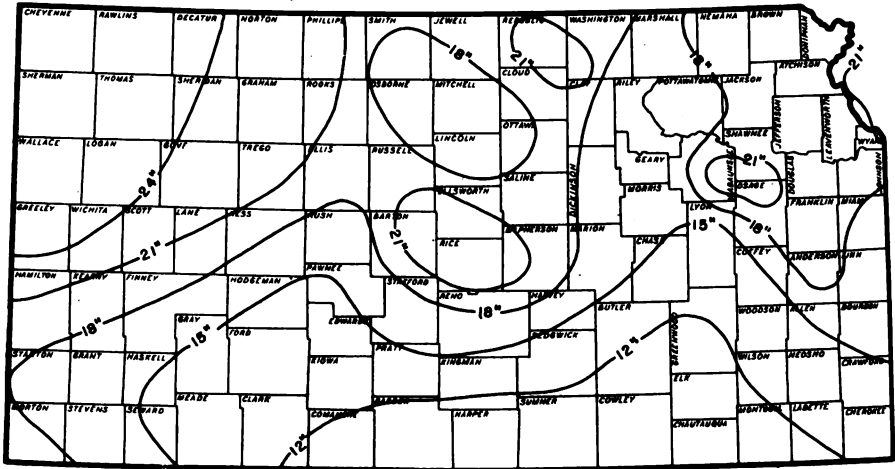
| | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1940 | — | — | — | — | — | — | — | — | — | — | — | 0.51 | — |
| 1941 | 0.98 | 0.82 | 0.60 | 3.65 | 4.03 | 5.20 | 3.46 | 3.47 | 2.61 | 1.97 | 0.61 | 1.06 | 28.46 |
| 1942 | 0.25 | 0.54 | 1.49 | 5.48 | 2.34 | 3.08 | 1.91 | 3.97 | 3.20 | 3.02 | 0.16 | 1.10 | 26.54 |
| 1943 | 0.10 | 0.31 | 0.39 | 4.00 | 1.98 | 0.76 | 2.79 | 2.11 | 0.28 | 0.15 | 0.24 | 0.38 | 13.49 |
| 1944 | 1.77 | 0.76 | 2.56 | 5.91 | 6.13 | 0.76 | 5.79 | 3.47 | 0.53 | 0.84 | 0.90 | 0.76 | 30.18 |
| 1945 | 0.96 | 0.26 | 0.09 | 4.65 | 2.99 | 2.37 | 2.07 | 1.11 | 2.62 | 0.72 | 0.03 | 1.00 | 18.87 |
| 1946 | 0.29 | 0.33 | 2.21 | 0.70 | 3.33 | 2.74 | 2.45 | 1.52 | 3.86 | 8.11 | 2.26 | 0.02 | 27.82 |
| Normal | 0.30 | 0.75 | 0.90 | 2.05 | 2.80 | 3.20 | 2.52 | 2.52 | 1.92 | 1.38 | 0.81 | 0.60 | 19.75 |

WAKEENEY, TREBO COUNTY. — Elevation, 2,456 feet

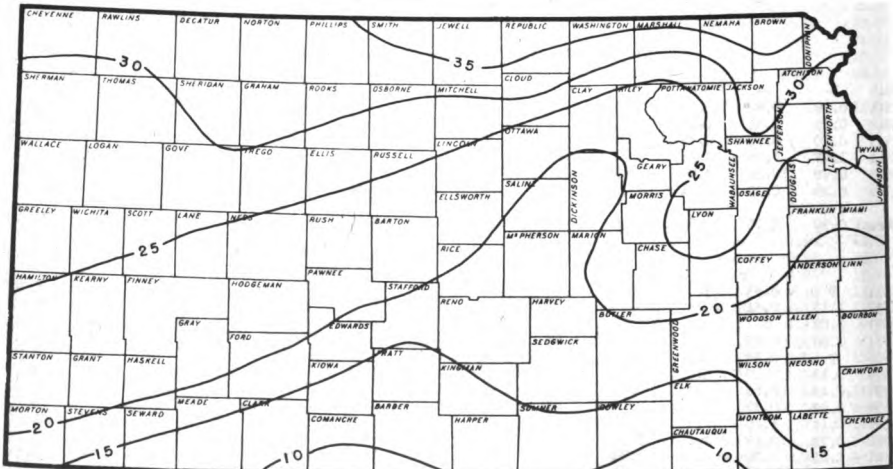
| | | | | | | | | | | | | | |
|--------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|
| 1931 | T | 0.53 | 3.07 | 2.57 | 1.68 | 2.06 | 2.90 | 6.07 | 0.83 | 2.07 | 1.72 | 0.32 | 23.82 |
| 1932 | 1.13 | 0.54 | 0.86 | 2.20 | 1.64 | 5.77 | 2.69 | 1.74 | 5.30 | 1.29 | T | 0.56 | 23.72 |
| 1933 | 0.07 | T | 0.11 | 2.15 | 3.73 | 0.76 | 2.44 | 4.13 | 2.48 | 0.12 | 0.40 | 1.05 | 17.44 |
| 1934 | 0.02 | 0.75 | 0.45 | 0.70 | 1.90 | 4.97 | 0.17 | 1.49 | 0.93 | 0.29 | 0.84 | 0.17 | 12.68 |
| 1935 | T | 0.38 | 0.10 | 0.71 | 7.85 | 7.16 | 0.10 | 0.93 | 3.85 | 1.42 | 1.38 | 0.05 | 23.93 |
| 1936 | 0.18 | 0.10 | 0.05 | 0.98 | 5.15 | 1.22 | 0.57 | 1.39 | 2.96 | 1.16 | 0.00 | 0.57 | 14.33 |
| 1937 | 0.45 | 0.60 | 0.39 | 0.35 | 2.09 | 2.24 | 3.22 | 0.61 | 0.39 | 1.58 | 0.15 | 0.25 | 12.32 |
| 1938 | 0.12 | 0.37 | 0.99 | 2.70 | 9.45 | 4.10 | 2.21 | 0.29 | 2.34 | 0.00 | 0.07 | T | 22.64 |
| 1939 | 0.16 | 1.26 | 2.31 | 1.26 | 1.22 | 6.33 | 0.64 | 3.05 | 0.18 | 0.05 | 0.06 | 0.57 | 17.09 |
| 1940 | 0.74 | 0.47 | 1.45 | 1.92 | 3.50 | 1.97 | 2.14 | 3.12 | 3.11 | 0.44 | 1.76 | 0.58 | 21.20 |
| 1941 | 1.04 | 0.80 | 0.32 | 2.78 | 3.05 | 7.77 | 2.74 | 2.28 | 5.64 | 1.56 | 0.49 | 1.02 | 29.69 |
| 1942 | 0.16 | 0.66 | 1.00 | 6.03 | 0.91 | 4.15 | 1.72 | 4.08 | 1.90 | 1.05 | 0.23 | 0.82 | 22.71 |
| 1943 | 0.05 | 0.40 | 0.43 | 2.98 | 1.80 | 0.93 | 2.71 | 2.56 | 0.53 | 0.14 | 0.15 | 0.50 | 13.18 |
| 1944 | *1.70 | *1.60 | 2.82 | 5.40 | 2.92 | 2.02 | 4.80 | 5.71 | 0.67 | 1.37 | 1.03 | 0.66 | 30.70 |
| 1945 | 1.11 | 0.20 | 0.15 | 4.72 | 2.45 | 5.71 | 2.24 | 0.96 | 1.70 | 0.29 | 0.01 | 1.06 | 20.60 |
| 1946 | 0.35 | 0.06 | 3.34 | 0.60 | 4.07 | 2.68 | 3.55 | 1.41 | 4.91 | 7.66 | 2.67 | 0.02 | 31.32 |
| Normal | 0.26 | 0.67 | 0.86 | 2.18 | 3.07 | 3.82 | 2.92 | 2.69 | 2.43 | 1.26 | 0.79 | 0.59 | 21.54 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

* Interpolated.



AVERAGE ANNUAL SNOWFALL
(Based on all available records through 1945.)



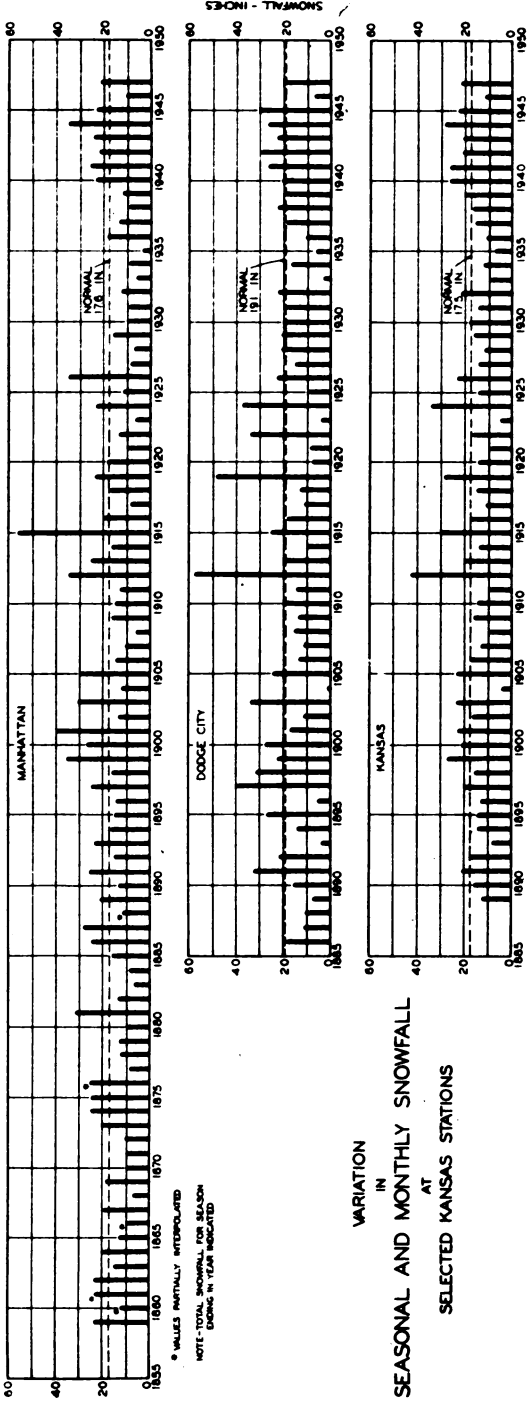
AVERAGE ANNUAL NUMBER OF DAYS WHEN GROUND WAS SNOW COVERED
(Based on all available records through 1945)

In computing these values the ground was considered covered with snow when an average of 0.1 inch, or more was reported.

SNOWFALL, BY MONTHS AND YEARS, FOR KANSAS

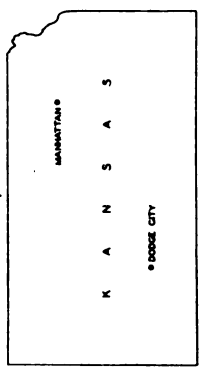
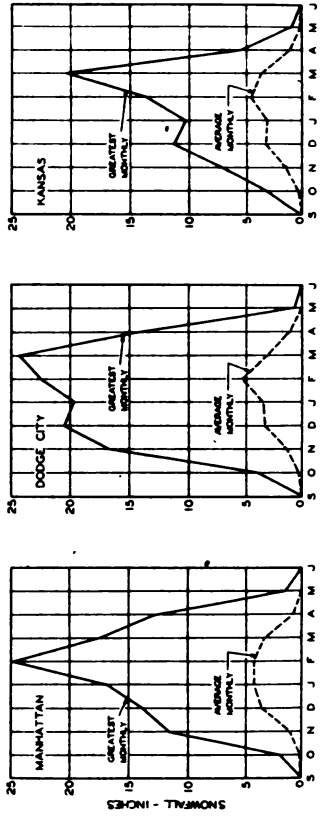
| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|-------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1887 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1888 | 3.1 | 1.5 | 3.3 | 0 | 0 | .... | .... | .... | 0 | 0.2 | 4.0 | 1.8 | 13.9 |
| 1889 | 1.5 | 4.8 | 0.2 | 0.1 | 0 | .... | .... | .... | 0 | 0.5 | 2.5 | 0 | 9.6 |
| 1890 | 7.3 | 3.0 | 1.5 | 1.2 | 0 | .... | .... | .... | 0 | 0 | 2.0 | 0.8 | 15.8 |
| 1891 | 0.3 | 2.1 | 13.9 | 1.4 | 0 | .... | .... | .... | 0 | 0 | 0.4 | 2.4 | 20.5 |
| 1892 | 3.6 | 3.3 | 7.5 | 0.3 | T* | .... | .... | .... | 0 | 0 | 0.9 | 1.6 | 17.2 |
| 1893 | 0.7 | 3.4 | 1.5 | T | 0 | .... | .... | .... | 0 | T | 0.4 | 1.6 | 7.6 |
| 1894 | 1.1 | 10.7 | 0.4 | 0 | 0 | .... | .... | .... | 0 | 0 | 0.1 | 4.6 | 16.9 |
| 1895 | 5.2 | 1.3 | 1.9 | 1.2 | 0 | .... | .... | .... | T | 0.5 | 1.8 | 4.3 | 16.2 |
| 1896 | 1.6 | 0.9 | 3.8 | T | 0 | .... | .... | .... | 0 | 0.5 | 0.1 | T | 6.9 |
| 1897 | 5.9 | 8.6 | 4.7 | 0.1 | 0 | .... | .... | .... | 0 | 0.1 | 0.2 | 5.5 | 25.1 |
| 1898 | 8.8 | 0.6 | 0.5 | T | 0 | .... | .... | .... | 0.1 | 2.0 | 4.7 | 5.5 | 22.2 |
| 1899 | 2.7 | 3.5 | 7.9 | 0.8 | 0 | .... | .... | .... | 0 | 0 | T | 4.6 | 19.5 |
| 1900 | 0.1 | 12.9 | 0.7 | 2.4 | 0 | .... | .... | .... | T | T | 0.9 | 0.9 | 17.9 |
| 1901 | 1.6 | 8.7 | 4.9 | 5.6 | 0 | .... | .... | .... | 0 | T | T | 2.1 | 22.9 |
| 1902 | 7.7 | 5.9 | 1.0 | T | 0 | .... | .... | .... | 0 | 0 | 0.1 | 5.1 | 19.8 |
| 1903 | 2.4 | 12.0 | 1.6 | 2.1 | 0 | .... | .... | .... | 0 | T | 0.6 | 0.8 | 19.5 |
| 1904 | 1.0 | 0.2 | 0.6 | 0.7 | T | .... | .... | .... | 0 | T | 0.4 | 5.7 | 8.6 |
| 1905 | 7.1 | 9.0 | 0.2 | 0.7 | T | .... | .... | .... | 0 | 3.2 | T | 0.8 | 21.0 |
| 1906 | 3.7 | 0.9 | 8.3 | T | 0 | .... | .... | .... | 0 | 0.2 | 4.5 | 0.1 | 17.7 |
| 1907 | 1.3 | 1.9 | 1.1 | 2.1 | 0.9 | .... | .... | .... | T | 0 | 0.1 | 6.0 | 13.4 |
| 1908 | 0.3 | 2.8 | 0.1 | T | T | .... | .... | .... | 0 | 1.3 | 2.1 | 0.2 | 6.8 |
| 1909 | 3.7 | 2.6 | 5.3 | 0.5 | 0 | .... | .... | .... | 0 | T | 1.4 | 6.6 | 20.1 |
| 1910 | 3.8 | 2.3 | 0.1 | T | T | .... | .... | .... | 0 | T | 0.1 | 1.9 | 8.2 |
| 1911 | 0.4 | 6.8 | 0.2 | T | T | .... | .... | .... | 0 | 1.0 | 1.9 | 8.0 | 18.3 |
| 1912 | 1.6 | 13.6 | 16.4 | 0.2 | 0 | .... | .... | .... | T | 0.8 | 0.6 | 0.2 | 33.4 |
| 1913 | 3.5 | 11.9 | 2.4 | 0.5 | 0 | .... | .... | .... | 0 | 1.0 | T | 3.8 | 23.1 |
| 1914 | 0.6 | 7.0 | 1.2 | 0.1 | 0 | .... | .... | .... | 0 | T | T | 5.9 | 14.8 |
| 1915 | 4.8 | 6.8 | 12.2 | T | 0.2 | .... | .... | .... | 0 | 0 | 0.1 | 3.3 | 27.4 |
| 1916 | 4.5 | 2.2 | 3.1 | 3.9 | 0 | .... | .... | .... | 0 | 0.9 | 0.5 | 4.0 | 19.1 |
| 1917 | 2.3 | 0.3 | 2.1 | 0.6 | 0.1 | .... | .... | .... | 0 | 0.6 | T | 2.7 | 8.7 |
| 1918 | 7.5 | 2.7 | 0.1 | 1.2 | 0 | .... | .... | .... | T | 0.4 | 2.4 | 11.2 | 25.5 |
| 1919 | 0.8 | 8.4 | 1.6 | 3.4 | 0 | .... | .... | .... | 0 | T | 3.5 | 1.5 | 19.2 |
| 1920 | 2.3 | 0.6 | 0.7 | 5.6 | T | .... | .... | .... | 0 | T | 0.9 | 1.4 | 11.5 |
| 1921 | 2.5 | 2.1 | 0.5 | 1.1 | T | .... | .... | .... | 0 | T | 0.2 | 3.7 | 10.1 |
| 1922 | 1.1 | 4.5 | 6.1 | 0.7 | 0 | .... | .... | .... | 0 | T | 0.4 | T | 12.8 |
| 1923 | 0.2 | 1.0 | 3.0 | 0.2 | T | .... | .... | .... | 0 | T | 2.6 | 2.3 | 9.3 |
| 1924 | 3.3 | 5.4 | 20.3 | 0.1 | T | .... | .... | .... | 0 | T | 0.4 | 8.1 | 37.6 |
| 1925 | 3.9 | 0.9 | 1.0 | 0 | 0 | .... | .... | .... | 0 | 1.0 | 3.0 | 1.5 | 11.3 |
| 1926 | 3.0 | 3.9 | 6.7 | 4.1 | 0 | .... | .... | .... | 0 | T | 0.8 | 2.5 | 21.0 |
| 1927 | 2.5 | 4.5 | 3.7 | 0.1 | T | T | .... | .... | T | 0 | 1.3 | 2.3 | 14.4 |
| 1928 | 0.5 | 2.2 | 4.3 | 1.0 | T | .... | .... | .... | 0 | 0.6 | 1.9 | 2.4 | 12.9 |
| 1929 | 4.6 | 6.5 | 0.1 | T | T | .... | .... | .... | T | 0.1 | 7.2 | 0.9 | 19.4 |
| 1930 | 8.4 | 0.5 | 0.4 | T | 0.1 | .... | .... | .... | 0 | T | 1.0 | 1.9 | 12.3 |
| 1931 | 0.2 | 0.7 | 9.6 | 0.4 | 0.3 | .... | .... | .... | 0 | T | 3.9 | 1.5 | 16.6 |
| 1932 | 7.9 | 3.2 | 5.1 | 0.2 | 0 | .... | .... | .... | 0 | T | 1.1 | 3.4 | 20.9 |
| 1933 | 0.1 | 2.2 | 2.0 | 0.2 | T | .... | .... | .... | 0 | 0 | 0.3 | T | 4.8 |
| 1934 | 1.4 | 8.2 | 2.2 | 0.1 | T | .... | .... | .... | 0 | 0 | 2.4 | 2.2 | 16.5 |
| 1935 | 0.2 | 0.9 | 1.1 | T | 0 | .... | .... | .... | 0.1 | T | 1.1 | 1.1 | 4.5 |
| 1936 | 5.4 | 1.8 | 0.3 | 1.0 | 0 | .... | .... | .... | T | 0.3 | 0.1 | 2.1 | 11.0 |
| 1937 | 2.4 | 6.0 | 4.5 | 0.4 | 0 | .... | .... | .... | 0 | T | 4.0 | 1.5 | 18.8 |
| 1938 | 0.1 | 5.0 | 0.1 | 5.4 | 0.3 | .... | .... | .... | 0 | T | 0.9 | 0.8 | 12.6 |
| 1939 | 3.4 | 10.8 | 3.6 | 0.5 | 0 | .... | .... | .... | 0 | T | 0.1 | 6.5 | 24.9 |
| 1940 | 10.3 | 5.8 | 2.7 | 1.0 | 0 | .... | .... | .... | 0 | 0 | 2.9 | 5.0 | 27.7 |
| 1941 | 5.2 | 4.8 | 7.1 | 1.4 | 0 | .... | .... | .... | 0 | 1.7 | 2.3 | 5.1 | 27.6 |
| 1942 | 3.3 | 6.2 | 1.9 | 0.2 | T | .... | .... | .... | T | T | 1.6 | 9.4 | 22.6 |
| 1943 | 2.5 | 0.8 | 6.3 | T | T | .... | .... | .... | 0 | 0 | 0.3 | 8.7 | 18.6 |
| 1944 | 2.6 | 5.8 | 8.6 | 2.7 | T | .... | .... | .... | 0 | 0 | 0.7 | 5.1 | 25.5 |
| 1945 | 5.9 | 6.8 | 1.1 | 3.2 | T | .... | .... | .... | T | 0.1 | 0.3 | 8.1 | 25.5 |
| Means | 3.2 | 4.5 | 3.7 | 1.0 | T | T | .... | .... | T | 0.3 | 1.3 | 3.3 | 17.3 |

* T = less than 0.05 inch.



* VALUES PARTIALLY INTERPOLATED
 NOTE - TOTAL SNOWFALL FOR SEASON ENDING IN YEAR INDICATED

VARIATION
 IN
 SEASONAL AND MONTHLY SNOWFALL
 AT
 SELECTED KANSAS STATIONS



GREATEST SNOWFALL RECORDS

| Station | Years of Record | Greatest 24-hour Snowfall (inches) | Date | Greatest Depth of Snow on Ground at Observation (inches) | Date | Years of Record | Greatest Number of Consecutive Days Ground Snow Covered 0.1" or more. | Date |
|------------------------|-------------------------------------|------------------------------------|--|--|--|------------------------|---|-----------------------------|
| Abilene | 1893-1903 1913-1928 | 19.0 | Feb 27, 1900 | 19.0 | Feb 27, 1900 | -- | -- | -- |
| Alden | 1910-1945 | 12.0 | Feb 26, 1912 | 11.0 | Dec 3, 1921 Feb 21, 1945 | 1913-1945 | 34 | Dec 26, 1939 - Jan 28, 1940 |
| Alton | 1902-1945 | 17.0 | Feb 26, 1912 | 17.0 | Feb 26, 1912 | 1903-1944 | 57 | Dec 4, 1909 - Jan 29, 1910 |
| Anthony | 1896-1945 | 8.0 | Mar 30, 1926 Mar 5, 1941 | 8.0 | Mar 30, 1926 | 1910-1945 | 27 | Dec 19, 1911 - Jan 14, 1912 |
| Ashland | 1907-1945 | 16.0 | Dec 19, 1911 | 19.0 | Dec 29, 1911 | 1917-1945 | 43 | Dec 9, 1943 - Jan 20, 1944 |
| Atchison | 1893-1945 | 15.0 | Apr 2, 1926 | 19.2 | Apr 2, 1926 | 1893-1945 | 51 | Dec 26, 1939 - Feb 14, 1940 |
| Atwood | 1893-1945 | 12.0 | Mar 22, 1897 | 15.0 | Mar 4, 1915 | 1896-1945 | 59 | Dec 3, 1924 - Jan 30, 1925 |
| Baker | 1895-1896 1902-1911 | 8.0 | Oct 22, 1908 Mar 9, 1909 | 11.0 | Feb 11, 1905 | -- | -- | -- |
| Beaver | 1922-1932 | 16.0 | Dec 31, 1924 | 16.0 | Dec 31, 1924 | -- | -- | -- |
| Belleville | 1902-1945 | 20.0 | Apr 3, 1920 | 20.0 | Mar 15, 1912 | -- | -- | -- |
| Beloit | 1893-1904 1911-1945 | 18.0 | Mar 17, 1924 | 15.0 | Mar 17, 1924 Dec 25, 1945 | 1911-1945 | 48 | Jan 1, 1932 - Feb 17, 1932 |
| Bennington | 1931-1945 | 7.1 | Feb 21, 1945 | 8.0 | Dec 15, 1940 | -- | -- | -- |
| Bird City | 1916-1945 | 14.0 | Nov 7, 1929 | -- | -- | -- | -- | -- |
| Bison | 1902-1945 | 14.0 | Apr 9, 1919 | 18.0 | Feb 26, 1903 | 1902-1945 | 50 | Dec 23, 1939 - Feb 10, 1940 |
| Blue Rapids | 1918-1945 | 12.0 | Feb 20, 1937 | 13.0 | Dec 16, 1940 | -- | -- | -- |
| Bucklin | 1920-1945 | 12.0 | Mar 17, 1924 Apr 8, 1938 | -- | -- | -- | -- | -- |
| Burlington | 1894-1945 | 16.0 | Mar 24, 1912 Feb 12, 1914 | 16.0 | Feb 12, 1914 | -- | -- | -- |
| Burr Oak | 1900-1945 | 15.0 | Mar 16, 1924 | 22.0 | Mar 5, 1915 | 1900-1945 | 69 | Dec 23, 1939 - Feb 29, 1940 |
| Carbonsale | 1922-1942 | 16.0 | Dec 5, 1942 | 15.0 | Apr 2, 1926 | -- | -- | -- |
| Cawker City | 1913-1945 | 13.0 | Mar 16, 1924 | 16.5 | Mar 17, 1924 | 1913-1945 | 49 | Jan 5, 1932 - Feb 22, 1932 |
| Centralia | 1909-1945 | 12.0 | Feb 13, 1912 Feb 22, 1945 | 12.0 | Feb 22, 1945 | 1939-1945 | 50 | Dec 26, 1939 - Feb 13, 1940 |
| Chanute | 1898-1904 1909-1945 | 12.0 | Mar 30, 1926 | 12.0 | Mar 30, 1926 | -- | -- | -- |
| Chapman | 1904-1945 | 16.0 | Mar 4, 1915 | 11.0 | Mar 4, 1912 | -- | -- | -- |
| Cimarron | 1906-1945 | 17.0 | Dec 19-20, 1911 | 17.0 | Dec 20, 1911 | 1906-1912 | 55 | Dec 19, 1911 - Feb 11, 1912 |
| Clay Center | 1902-1945 | 18.0 | Feb 18, 1926 | -- | -- | -- | -- | -- |
| Clifton | 1931-1945 | 10.5 | Feb 24, 1934 | 10.5 | Feb 24, 1934 | -- | -- | -- |
| Clinax | 1895-1945 | 12.0 | Apr 1, 1901 | 13.0 | Feb 19, 1938 | 1924-1945 | 47 | Dec 26, 1939 - Feb 10, 1940 |
| Clyde | 1919-1930 | 14.0 | Feb 18, 1926 | 10.0 | Feb 19, 1926 | -- | -- | -- |
| Coffeyville | 1903-1906 1912-1914 1930-1945 | 9.0 | Apr 8, 1938 | -- | -- | -- | -- | -- |
| Colby | 1893-1945 | 14.0 | Feb 3, 1924 | 17.0 | Jan 1, 1942 | 1935-1945 | 66 | Dec 23, 1939 - Feb 26, 1940 |
| Coldwater | 1893-1896 1906-1945 | 10.0 | Dec 19, 1911 | 16.0 | Dec 20, 1911 | 1907-1945 | 36 | Dec 19, 1911 - Jan 23, 1912 |
| Concordia | 1885-1945 | 17.2 | Mar 17, 1924 | 17.2 | Mar 17, 1924 | 1885-1945 | 37 | Dec 16, 1924 - Jan 21, 1925 |
| Coolidge | 1894-1902 1905-1918 | 10.0 | Feb 1, 1913 | 11.0 | Dec 20, 1911 | -- | -- | -- |
| Columbus | 1892-1945 | 17.5 | Dec 7, 1917 | -- | -- | -- | -- | -- |
| Cottonwood Falls | 1902-1945 | 12.0 | Dec 5, 1942 | 12.0 | Feb 28, 1939 Mar 1, 1939 Dec 5, 1942 | 1909-1945 | 45 | Dec 27, 1939 - Feb 9, 1940 |
| Council Grove | 1908-1945 | 15.5 | Dec 5, 1942 | 15.5 | Dec 5, 1942 | 1913-1914 1936-1945 | 46 | Dec 26, 1939 - Feb 9, 1940 |
| Cunningham | 1893-1917 | 10.0 | Feb 26, 1912 | -- | -- | -- | -- | -- |
| Deerfield | 1915-1945 | 9.0 | Apr 9, 1919 Mar 16, 1924 | 10.0 | Dec 26, 1939 | -- | -- | -- |
| Densmore | 1910-1919 | 7.0 | Nov 29, 1919 | 15.0 | Mar 5, 1915 | -- | -- | -- |
| Dodge City | 1893-1945 | 18.0 | Mar 10, 1922 | 18.0 | Mar 10, 1922 | 1893-1945 | 38 | Dec 23, 1939 - Jan 29, 1940 |
| Dresden | 1893-1945 | 9.0 | Mar 22, 1897 Mar 14, 1912 Mar 19, 1922 Nov 25, 1944 | 21.0 | Mar 14, 1912 | 1895-1945 | 61 | Dec 23, 1939 - Feb 21, 1940 |
| Edorado | 1893-1945 | 8.0 | Mar 9, 1909 | 10.0 | Feb 19, 1938 | 1933-1945 | 44 | Dec 26, 1939 - Feb 7, 1940 |
| Elkhart | 1918-1945 | 16.0 | Mar 22, 1924 | 18.0 | Mar 22, 1924 | -- | -- | -- |
| Elliswood | 1894-1924 | 18.0 | Feb 27, 1900 | 16.0 | Feb 14, 1919 | 1901-1920 | 35 | Dec 19, 1911 - Jan 22, 1912 |
| Ellis | 1938-1945 | 11.0 | Dec 24, 1945 | 11.2 | Dec 24, 1945 | 1938-1945 | 22 | Dec 23, 1941 - Jan 13, 1942 |
| Ellsworth | 1904-1945 | 12.0 | Feb 25, 1912 Apr 3, 1920 Mar 10, 1922 Mar 16, 1924 | 12.0 | Dec 24, 1918 | -- | -- | -- |

(Continued on next page)

GREATEST SNOWFALL RECORDS (Continued)

| Station | Years of Record | Greatest 24-hour Snowfall (Inches) | Date | Greatest Depth of Snow on Ground at Observation (Inches) | Date | Years of Record | Greatest Number of Consecutive Days Ground Snow Covered 0.1" or more | Date |
|---------------------|-------------------------------------|------------------------------------|---|--|--|-------------------------------------|--|--|
| Klendale | 1924-1945 | 12.0 | Dec 5, 1942 | 12.0 | Dec 5, 1942 | - - | - | - |
| Emmett | 1912-1945 | 9.5 | Apr 1, 1926 | 14.0 | Apr 1, 1926 | 1912-1945 | 52 | Jan 2, 1936 - Feb 22, 1936 |
| Emporia | 1893-1945 | 14.0 | Feb 12, 1894 | 17.0 | Feb 11, 1905 | 1904-1914 1921-1926 1939-1945 | 44 | Dec 26, 1939 - Feb 7, 1940 |
| Englewood | 1893-1907 | 12.0 | Nov 19, 1906 | 20.0 | Feb 26, 1903 | - - | - | - |
| Enterprise | 1903-1913 1934-1945 | 15.0 | Feb 25, 1912 | 8.0 | Mar 6, 1941 | 1903-1913 1935-1945 | 47 | Dec 28, 1939 - Feb 12, 1940 |
| Eschridge | 1906-1945 | 13.0 | Dec 5, 1942 | 15.0 | Mar 5, 1912 Apr 1, 1926 | 1906-1933 | 34 | Dec 17, 1924 - Jan 19, 1925 |
| Fall River | 1897-1918 | 8.0 | Feb 28, 1911 | 8.0 | Feb 28, 1911 | 1897-1918 | 19 | Jan 1, 1912 - Jan 19, 1912 |
| Florence | 1925-1945 | 12.0 | Dec 5, 1942 | 9.5 | Dec 5, 1942 | 1925-1945 | 47 | Dec 26, 1939 - Feb 10, 1940 |
| Port Riley | 1894-1899 1918-1925 1942-1945 | 8.5 | Dec 3, 1921 | 9.0 | Dec 25, 1945 | 1918-1925 1942-1945 | 17 | Dec 10, 1943 - Dec 26, 1943 |
| Port Scott | 1895-1945 | 19.0 | Dec 24, 1915 | 12.0 | Feb 28, 1911 Mar 30, 1926 | 1903-1945 | 36 | Dec 26, 1939 - Jan 30, 1940 |
| Frankfort | 1894-1914 | 12.0 | Mar 9, 1909 | 19.0 | Mar 15, 1912 | 1898-1912 | 50 | Dec 4, 1909 - Jan 22, 1910 |
| Enterprise | 1902-1945 | 13.0 | Nov 29, 1923 | 11.0 | Feb 7, 1905 | 1902-1945 | 23 | Feb 1, 1905 - Feb 23, 1905 |
| Garden City | 1893-1945 | 14.0 | Feb 25, 1912 | 18.0 | Feb 27, 1903 | 1897-1922 | 46 | Dec 17, 1918 - Jan 31, 1919 |
| Garnett | 1906-1914 1918-1945 | 18.0 | Mar 24, 1912 | 12.0 | Feb 19, 1938 | 1939-1945 | 47 | Dec 26, 1939 - Feb 10, 1940 |
| Goodland | 1895-1897 1906-1945 | 16.0 | Dec 4, 1924 Nov 7, 1929 | 19.0 | Mar 14, 1912 | 1912-1945 | 32 | Nov 19, 1931 - Dec 20, 1930 |
| Gove | 1893-1930 | 12.0 | Dec 19, 1911 Mar 16, 1924 | 19.0 | Mar 4, 1915 | 1914-1930 | 42 | Dec 17, 1918 - Jan 27, 1919 |
| Greensburg | 1907-1945 | 15.0 | Mar 16, 1924 | 12.0 | Dec 20, 1911 | 1907-1945 | 46 | Dec 9, 1943 - Jan 23, 1944 |
| Grenola | 1893-1927 | 11.0 | Feb 20, 1912 | 8.0 | Dec 24, 1918 | 1893-1927 | 21 | Dec 23, 1918 - Jan 12, 1919 |
| Hanover | 1893-1945 | 12.0 | Apr 4, 1920 | 21.0 | Mar 14, 1912 | 1907-1945 | 54 | Dec 23, 1939 - Feb 14, 1940 |
| Hays | 1893-1945 | 12.0 | Feb 3, 1901 Dec 14, 1902 Feb 27, 1903 | 12.0 | Jan 5, 1932 | 1924-1945 | 40 | Dec 23, 1939 - Jan 31, 1940 |
| Healy | 1901-1945 | 12.0 | Apr 9, 1919 | 16.0 | Mar 17, 1924 | 1901-1945 | 59 | Dec 17, 1918 - Feb 13, 1919 |
| Herrington | 1918-1945 | 14.0 | Mar 17, 1924 | 8.0 | Jan 1, 1925 | - - | - | - |
| Hill City | 1907-1945 | 18.0 | Mar 17, 1924 | 10.0 | Jan 6, 1940 | 1931-1945 | 39 | Dec 23, 1930 - Jan 30, 1940 |
| Holsington | 1924-1945 | 10.0 | Mar 30, 1931 | 14.0 | Jan 2, 1925 | 1924-1945 | 38 | Dec 9, 1943 - Jan 15, 1944 |
| Holton | 1902-1904 1913-1945 | 11.0 | Mar 16-17, 1924 Feb 27-28, 1939 | 15.0 | Mar 6, 1915 | - - | - | - |
| Horton | 1893-1945 | 15.5 | Feb 27-28, 1939 | 12.0 | Feb 28, 1939 | 1935-1945 | 52 | Jan 2, 1936 - Feb 22, 1936 Dec 24, 1939 - Feb 13, 1940 Dec 26, 1939 - Jan 31, 1940 |
| Howard | 1907-1945 | 10.0 | Dec 23, 1918 Jan 8, 1930 | 10.0 | Dec 23, 1918 | 1931-1945 | 37 | Dec 26, 1939 - Jan 31, 1940 |
| Hoxie | 1897-1945 | 20.0 | Feb 28, 1939 | 15.0 | Mar 5, 1912 | - - | - | - |
| Hudson | 1922-1945 | 12.0 | Mar 16, 1924 | 9.0 | Jan 6, 1940 Dec 9, 1943 Feb 21, 1945 | 1922-1945 | 39 | Dec 9, 1943 - Jan 16, 1944 |
| Hugoton | 1904-1945 | 16.0 | Feb 25, 1912 | 16.0 | Dec 20, 1911 Feb 25, 1912 | 1909-1919 | 54 | Dec 19, 1911 - Feb 10, 1912 |
| Hutchinson | 1893-1945 | 12.0 | Mar 30, 1926 Feb 19, 1938 | 13.0 | Feb 23, 1913 | 1901-1945 | 47 | Dec 23, 1939 - Feb 7, 1940 |
| Independence | 1893-1945 | 9.0 | Dec 20, 1895 Dec 7, 1917 Nov 29, 1923 | 13.4 | Feb 13, 1905 | 1893-1945 | 35 | Dec 26, 1939 - Jan 29, 1940 |
| Iola | 1922-1945 | 9.0 | Feb 19, 1938 | 9.3 | Jan 18, 1930 | 1922-1945 | 43 | Dec 26, 1939 - Feb 6, 1940 |
| Irene | 1910-1934 | 9.3 | Apr 9, 1919 | 18.0 | Mar 22, 1924 | 1910-1934 | 83 | Dec 17, 1918 - Mar 9, 1919 |
| Jetmore | 1900-1945 | 11.0 | Feb 26, 1939 | 15.0 | Mar 8, 1912 | 1900-1921 | 40 | Dec 19, 1911 - Jan 27, 1912 |
| Johnson | 1894-1895 1917-1945 | 15.0 | Mar 16, 1924 | 8.2 | Jan 20, 1945 | - - | - | - |
| Junction City | 1925-1945 | 13.0 | Dec 5, 1942 | 11.0 | Feb 21, 1945 | 1925-1945 | 51 | Dec 26, 1939 - Feb 14, 1940 |
| Kinsley | 1935-1945 | 10.0 | Apr 8, 1948 | 10.0 | Apr 8, 1938 | - - | - | - |
| Kiamat | 1909-1945 | 12.0 | Feb 25, 1912 | 12.0 | Dec 20, 1911 Feb 25, 1912 Dec 31, 1918 | 1909-1945 | 56 | Dec 17, 1918 - Feb 10, 1919 |
| La Cygne | 1929-1945 | 12.0 | Feb 19, 1938 | 10.5 | Jan 17, 1930 | - - | - | - |
| Lakin | 1893-1945 | 14.0 | Dec 19, 1911 | 18.0 | Mar 16, 1924 | 1923-1945 | 47 | Dec 24, 1939 - Feb 8, 1940 |
| Lawrence | 1894-1945 | 20.0 | Mar 23, 1912 | 13.0 | Jan 17, 1930 | 1930-1945 | 47 | Dec 26, 1939 - Feb 10, 1940 |
| Larned | 1904-1945 | 16.0 | Mar 16, 1924 | 12.0 | Jan 6, 1932 | - - | - | - |
| Leavenworth | 1901-1905 1911-1945 | 12.0 | Jan 14, 1940 | 16.0 | Feb 4, 1901 | 1901-1905 1911-1945 | 28 | Jan 24, 1929 - Feb 20, 1929 Jan 7, 1930 - Feb 3, 1930 |
| Lebanon | 1898-1914 | 12.0 | Feb 3, 1901 | 18.0 | Mar 14, 1912 | 1899-1913 | 54 | Dec 3, 1909 - Jan 25, 1910 |
| Lebo | 1893-1945 | 14.0 | Mar 23, 1912 | 15.0 | Mar 23, 1912 | 1895-1945 | 40 | Dec 16, 1924 - Jan 24, 1925 |

(Continued on next page)

GREATEST SNOWFALL RECORDS (Continued)

| Station | Years of Record | Greatest 24-hour Snowfall (Inches) | Date | Greatest Depth of Snow on Ground at Observation (Inches) | Date | Years of Record | Greatest Number of Consecutive Days Ground Snow Covered 0.1" or more. | Date |
|-------------------|-------------------------------------|------------------------------------|---|--|--|------------------------|---|-----------------------------|
| Leoti | 1893-1895 1901-1903 1911-1945 | 12.0 | Feb 11, 1894 Apr 23, 1944 | 21.0 | Dec 23, 1918 | 1911-1945 | 86 | Dec 17, 1918 - Mar 12, 1919 |
| LeRoy | 1922-1945 | 12.5 | Feb 19, 1938 | 20.0 | Jan 18, 1930 | 1922-1945 | 38 | Dec 17, 1924 - Jan 23, 1925 |
| Liberal | 1907-1945 | 15.0 | Dec 19, 1911 | 18.0 | Dec 20, 1911 | 1907-1945 | 48 | Dec 9, 1943 - Jan 25, 1944 |
| Lincoln | 1912-1945 | 14.0 | Mar 16, 1924 | 18.0 | Feb 26, 1912 | 1912-1945 | 37 | Dec 24, 1939 - Jan 29, 1940 |
| Lindsborg | 1917-1945 | 14.0 | Mar 16, 1924 | 14.8 | Feb 28, 1939 | 1930-1945 | 49 | Dec 24, 1939 - Feb 10, 1940 |
| Lyndon | 1924-1945 | 12.0 | Dec 5, 1942 | - | - | - | - | - |
| MacKsville | 1893-1931 | 22.0 | Feb 25, 1912 | 22.0 | Feb 25, 1912 | 1893-1922 | 23 | Dec 23, 1918 - Jan 14, 1919 |
| Madison | 1900-1919 | 20.0 | Feb 13, 1914 | 16.0 | Feb 13, 1914 | - | - | - |
| Manhattan | 1893-1900 1903-1945 | 18.0 | Feb 27, 1900 | 11.0 | Feb 21, 1945 | - | - | - |
| Marion | 1893-1945 | 14.0 | Mar 9, 1909 | 13.0 | Mar 2, 1912 | 1893-1945 | 48 | Dec 26, 1939 - Feb 11, 1940 |
| McParland | 1923-1945 | 12.2 | Feb 21, 1937 | 12.3 | Feb 21, 1937 | - | - | - |
| McPherson | 1894-1945 | 20.0 | Feb 25, 1912 | - | - | - | - | - |
| Medicine Lodge .. | 1893-1906 1909-1945 | 10.0 | Apr 1, 1901 | 9.0 | Dec 24, 1918 Mar 5, 1941 | 1912-1945 | 27 | Jan 7, 1937 - Feb 2, 1937 |
| Minneapolis | 1893-1945 | 11.0 | Feb 27, 1900 | 13.5 | Feb 12, 1905 | 1893-1945 | 50 | Dec 23, 1939 - Feb 10, 1940 |
| Minneola | 1913-1945 | 14.0 | Mar 10, 1922 | 14.0 | Mar 10, 1922 | - | - | - |
| Moran | 1896-1917 1938-1945 | 15.0 | Dec 20, 1895 | 13.0 | Dec 20, 1895 | 1895-1945 | 43 | Dec 26, 1939 - Feb 6, 1940 |
| St. Hope | 1894-1945 | 14.0 | Feb 25, 1912 Dec 24, 1918 | 14.0 | Feb 25, 1912 Dec 24, 1918 | - | - | - |
| Neosho Rapids .. | 1924-1945 | 12.0 | Dec 5, 1942 | 12.0 | Dec 5, 1942 | - | - | - |
| Ness City | 1894-1910 1913-1915 1919-1945 | 18.0 | Mar 16, 1924 | 13.0 | Dec 24, 1945 | - | - | - |
| Newton | 1898-1945 | 10.0 | Dec 5, 1942 | 12.0 | Mar 2, 1912 Dec 25, 1918 | 1897-1945 | 43 | Dec 26, 1939 - Feb 6, 1940 |
| Norton | 1894-1945 | 18.0 | Mar 21, 1907 | 28.0 | Mar 14, 1912 | 1896-1945 | 50 | Dec 23, 1939 - Feb 10, 1940 |
| Norwich | 1896-1945 | 8.0 | Dec 20, 1911 Feb 25, 1912 Dec 5, 1942 | 8.0 | Dec 24, 1918 | 1896-1945 | 33 | Dec 20, 1911 - Jan 21, 1912 |
| Oakley | 1920-1945 | 11.0 | Dec 25, 1941 | 15.0 | Dec 25, 1941 | 1920-1945 | 31 | Dec 23, 1941 - Jan 22, 1942 |
| Oberlin | 1893-1945 | 14.0 | Mar 14, 1912 | 19.0 | Mar 14, 1912 | 1910-1945 | 49 | Dec 23, 1939 - Feb 9, 1940 |
| Oketo | 1909-1945 | 10.0 | Feb 13, 1912 | 17.0 | Mar 2, 1912 | 1909-1945 | 62 | Dec 23, 1939 - Feb 22, 1940 |
| Olathe | 1894-1945 | 20.0 | Mar 23, 1912 | 30.0 | Mar 24, 1912 | 1907-1945 | 47 | Dec 26, 1939 - Feb 10, 1940 |
| Osage City | 1897-1945 | 13.5 | Feb 28, 1900 | 8.2 | Feb 11, 1905 | 1898-1945 | 21 | Jan 11, 1905 - Jan 31, 1905 |
| Oswego | 1893-1945 | 15.0 | Dec 20, 1895 | 12.5 | Jan 22, 1930 | 1920-1945 | 34 | Dec 26, 1939 - Jan 28, 1940 |
| Ottawa | 1896-1945 | 14.0 | Mar 23, 1912 | 13.5 | Jan 9, 1945 | - | - | - |
| Overbrook | 1929-1945 | 13.3 | Feb 27-28, 1939 | 12.2 | Jan 9, 1930 | 1928-1945 | 51 | Dec 26, 1939 - Feb 14, 1940 |
| Overbrook (near) | 1923-1945 | 10.0 | Jan 9, 1930 Dec 5, 1942 | 6.5 | Nov 29, 1923 | - | - | - |
| Paola | 1895-1904 1907-1908 1917-1945 | 16.0 | Feb 19, 1938 | 14.0 | Dec 20, 1895 | - | - | - |
| Phillipsburg ... | 1893-1945 | 16.0 | Apr 9, 1919 | 24.0 | Mar 4, 1915 | 1893-1903 1908-1945 | 47 | Dec 4, 1909 - Jan 19, 1910 |
| Pittsburg | 1899-1906 1914-1945 | 9.0 | Dec 7, 1917 | 12.0 | Jan 23, 1906 | - | - | - |
| Plains | 1911-1945 | 20.0 | Dec 19, 1911 | 12.0 | Feb 21, 1919 Mar 17, 1924 Dec 24, 1918 Dec 10, 1943 | 1911-1945 | 47 | Dec 9, 1943 - Jan 24, 1944 |
| Plainville | 1904-1945 | 15.0 | Mar 12, 1924 | 11.0 | Dec 24, 1945 | - | - | - |
| Pleasanton | 1903-1945 | 10.0 | Dec 4, 1925 Dec 5, 1942 | 13.0 | Feb 8, 1905 Feb 13, 1924 | 1903-1945 | 45 | Dec 26, 1939 - Feb 8, 1940 |
| Pomona | 1922-1945 | 16.0 | Jan 9, 1930 | 22.0 | Jan 17, 1930 | 1922-1945 | 51 | Dec 26, 1939 - Feb 14, 1940 |
| Pratt | 1896-1945 | 16.0 | Dec 19, 1911 | - | - | - | - | - |
| Quenemo | 1912-1945 | 10.0 | Mar 24, 1912 Dec 5, 1942 | 20.0 | Mar 24, 1912 | 1912-1945 | 43 | Dec 17, 1924 - Jan 28, 1925 |
| Quinter | 1893-1895 1927-1945 | 8.0 | Feb 11, 1894 Dec 24-25, 1945 | 11.5 | Jan 7, 1940 | 1927-1945 | 39 | Dec 23, 1939 - Jan 30, 1940 |
| Randolph | 1919-1945 | 10.0 | Feb 19, 1937 | 10.0 | Feb 19, 1937 Dec 15, 1940 | 1918-1945 | 52 | Dec 24, 1939 - Feb 13, 1940 |
| Reading | 1920-1945 | 12.0 | Feb 27-28, 1939 | 10.5 | Mar 30, 1926 | - | - | - |
| Richfield | 1894-1945 | 20.0 | Feb 25, 1903 | 30.0 | Feb 26, 1903 | 1895-1905 1912-1945 | 46 | Dec 23, 1939 - Feb 6, 1940 |
| Rome | 1893-1922 | 12.0 | Dec 24, 1918 | 10.0 | Dec 24, 1918 | 1893-1922 | 24 | Dec 24, 1918 - Jan 16, 1919 |

(Continued on next page)

GREATEST SNOWFALL RECORDS (Continued)

| Station | Years of Record | Greatest 24-hour Snowfall (Inches) | Date | Greatest Depth of Snow on Ground at One Station (Inches) | Date | Years of Record | Greatest Number of Consecutive Days of 0.1" or more | Date |
|-------------------|-----------------|------------------------------------|-----------------|--|--------------|-----------------|---|-----------------------------|
| Russell | 1896-1945 | 20.0 | Mar 16, 1924 | 20.0 | Mar 16, 1924 | -- | -- | -- |
| St. Francis | 1909-1945 | 12.0 | Mar 11, 1927 | 12.0 | Jan 27, 1944 | 1909-1945 | 49 | Dec 19, 1911 - Feb 5, 1912 |
| Salina | 1895-1945 | 18.0 | Feb 27, 1900 | 15.0 | Feb 28, 1939 | 1905-1945 | 43 | Dec 26, 1939 - Feb 6, 1940 |
| Sublette | 1914-1945 | 18.0 | Mar 16, 1924 | 18.0 | Mar 16, 1924 | -- | -- | -- |
| Scott City | 1896-1945 | 12.5 | Dec 19-20, 1911 | 29.0 | Dec 24, 1918 | 1914-1945 | 84 | Dec 17, 1918 - Mar 10, 1919 |
| Scott City (near) | 1931-1945 | 9.0 | Dec 23, 1939 | -- | -- | -- | -- | -- |
| | | | Mar 18, 1944 | | | | | |
| Sedan | 1893-1945 | 13.8 | Jan 9, 1905 | 13.0 | Jan 17, 1930 | -- | -- | -- |
| Sharon Springs .. | 1893-1945 | 13.0 | Dec 18-19, 1895 | 18.0 | Dec 31, 1918 | 1910-1945 | 53 | Dec 19, 1911 - Feb 9, 1912 |
| Smith Center ... | 1910-1945 | 13.0 | Mar 16, 1924 | 19.0 | Mar 15, 1912 | -- | -- | -- |
| Solomon | 1923-1934 | 8.0 | Mar 17, 1924 | 7.0 | Feb 25, 1934 | -- | -- | -- |
| Syracuse | 1919-1945 | 14.0 | Dec 19, 1918 | 40.0 | Dec 31, 1918 | 1922-1945 | 50 | Dec 23, 1939 - Feb 10, 1940 |
| Tonganoxie | 1931-1945 | 9.0 | Dec 5, 1942 | 9.0 | Jan 25, 1941 | -- | -- | -- |
| | | | | | Dec 5, 1942 | | | |
| Topeka | 1891-1945 | 18.7 | Feb 27-28, 1900 | 18.6 | Feb 28, 1900 | 1896-1945 | 51 | Dec 31, 1928 - Feb 19, 1929 |
| | | | | | | | | Dec 26, 1939 - Feb 14, 1940 |
| Toronto | 1898-1945 | 12.0 | Mar 24, 1912 | 12.5 | Jan 9, 1930 | 1898-1945 | 46 | Dec 23, 1939 - Feb 6, 1940 |
| | | | Jan 9, 1930 | | | | | |
| Tribune | 1893-1901 | 14.0 | Feb 27, 1939 | 22.0 | Mar 23, 1924 | 1913-1945 | 38 | Dec 23, 1939 - Jan 29, 1940 |
| | 1913-1945 | | | | | | | |
| Trousdale | 1917-1945 | 12.0 | Mar 16, 1924 | 15.0 | Mar 17, 1924 | 1917-1945 | 46 | Dec 9, 1943 - Jan 23, 1944 |
| Ulysses | 1893-1945 | 25.0 | Feb 26, 1903 | 25.0 | Feb 26, 1903 | 1895-1923 | 51 | Dec 20, 1911 - Feb 8, 1912 |
| Utica | 1893-1899 | 10.0 | Jan 10, 1918 | 10.0 | Jan 10, 1918 | 1894-1899 | 20 | Dec 25, 1941 - Jan 13, 1942 |
| | 1916-1919 | | Dec 9, 1945 | | Dec 9, 1945 | | | |
| | 1940-1945 | | | | | 1916-1919 | | |
| Valley Falls ... | 1899-1945 | 14.0 | Feb 27, 1900 | 19.0 | Apr 2, 1926 | 1899-1945 | 45 | Dec 5, 1909 - Jan 18, 1910 |
| Vinland | 1910-1936 | 19.0 | Mar 22-23, 1912 | 14.0 | Jan 8, 1930 | -- | -- | -- |
| Wagstaff | 1924-1945 | 10.0 | Feb 19, 1938 | 10.0 | Feb 22, 1938 | -- | -- | -- |
| Wakeensy | 1904-1945 | 15.0 | Mar 16, 1924 | 21.0 | Mar 14, 1912 | 1906-1945 | 39 | Dec 23, 1939 - Jan 30, 1940 |
| Walnut | 1903-1945 | 12.0 | Nov 30, 1923 | 13.0 | Feb 12, 1905 | -- | -- | -- |
| Wamego | 1893-1945 | 24.0 | Feb 27, 1900 | 24.0 | Feb 27, 1900 | 1896-1945 | 48 | Dec 28, 1939 - Feb 13, 1940 |
| Wellington | 1895-1899 | 10.5 | Jan 9, 1930 | 15.0 | Mar 24, 1912 | -- | -- | -- |
| | 1907-1909 | | | | | | | |
| | 1911-1945 | | | | | | | |
| Wheaton | 1919-1945 | 12.0 | Apr 3, 1920 | 9.0 | Feb 25, 1934 | -- | -- | -- |
| Wichita | 1902-1945 | 12.3 | Dec 23-24, 1918 | 12.8 | Dec 24, 1910 | 1902-1945 | 47 | Dec 26, 1939 - Feb 10, 1940 |
| Willard | 1930-1945 | 11.0 | Dec 5, 1942 | 11.0 | Dec 5, 1942 | -- | -- | -- |
| Winfield | 1894-1945 | 12.0 | Mar 23, 1912 | 12.0 | Mar 23, 1912 | 1899-1945 | 30 | Jan 6, 1940 - Feb 4, 1940 |
| | | | Dec 23, 1918 | | | | | |
| | | | Feb 19, 1938 | | | | | |
| Yates Center ... | 1893-1945 | 15.0 | Mar 24, 1912 | 20.0 | Mar 24, 1912 | 1898-1945 | 38 | Dec 17, 1924 - Jan 23, 1925 |
| Kansas City, Mo. | 1894-1945 | 25.0 | Mar 23-24, 1912 | 25.0 | Mar 24, 1912 | 1894-1945 | 38 | Dec 26, 1939 - Feb 1, 1940 |
| | | | 1912 | | | | | |
| St. Joseph, Mo. | 1910-1945 | 12.4 | Feb 22-23, 1942 | 15.6 | Jan 17, 1940 | 1910-1945 | 67 | Dec 24, 1935 - Feb 28, 1936 |

SOME NOTABLE DRY PERIODS

Periods of deficient precipitation occur in eastern Kansas with about the same frequency as over that part of the country east of the Mississippi River. They are more frequent in the western part of the State as the average annual precipitation there is considerably less and is inclined to be more irregular.

Dry spells during the winter season result in comparatively pleasant weather and are favorable for livestock. Dry weather, during the summer season, is generally accompanied by clear skies and hot weather, which increases the rate of evaporation. Ordinarily, however, these conditions are favorable for the maturing of wheat and small grain crops.

During the entire history of the State there have been but six periods of dry weather of exceptional note, and these have probably had a more profound influence on Kansas than their importance justifies merely because two of them happened just when settlement was beginning and people were less able to cope with them.

The first settlers in the eastern counties had hardly become established until they encountered the droughts of the 1860's, among the most serious ever known in eastern Kansas. Most of these people came from more humid areas. The climate here was new and strange to them. They had no way of knowing that seventy years would elapse before another such occurrence and that, in the meantime, Kansas would become one of the greatest crop-producing states of the Nation.

Adverse reports poured out of the State and the unhappy term "Droughty Kansas" was coined—an expression that was to persist until after many years of abundant rainfall and bounteous crops, when it became relegated to the limbo of forgotten things. A process of natural selection ensued. Many of the less courageous of the early settlers went back to their old homes, but those with more grit and determination remained and saw their faith in the climate of the State justified.

A similar condition occurred in the early 1870's, when a severe drought prevailed in the western counties just as settlement was spreading to that section. This culminated in the long-remembered "Grasshopper Year," 1874, which again spread discouragement through the State.

It is entirely probable that these early droughts were in a great measure accountable for the selection of the State's motto, "Ad Astra Per Aspera," (To the Stars Through Difficulties).

The combination of immense acreages of fertile and easily tilled land and weather conditions ordinarily favorable for rapid crop growth was a challenge that was accepted first by trial-and-error methods and later by scientific determination of proper soil management and crops best suited to the climate. The final result was to place agriculture on a stable and prosperous basis. The climate of the State has not changed but farm methods have been adapted to it.

In the 1860's

The first great drought in the State of which there is an authentic record was that of the 1860's. Precipitation records for this period exist for Leavenworth and Manhattan, both in the eastern part of the State, and a broken record for Larned, in the western part.

These records indicate that in eastern Kansas this drought ranks with that of the 1930's as one of the two most severe and prolonged periods of dry weather on the State's record. Little or nothing is known in regard to its intensity in the western part of the State except that the one and incomplete record at Larned does not indicate a shortage of precipitation as serious as that in the eastern counties.

It began in October 1859 and ended in March 1868, a period of 8½ years, but was interrupted by generous rains both at Leavenworth and Manhattan in the summers of 1863 and 1865.

During the five driest years of this drought, 1860-1864, the average annual precipitation at Leavenworth was 24.26 inches, 10.80 inches below normal. At Manhattan the average annual amount for the same period was 27.33 inches, 4.70 inches below normal. This contrasts with a five-year period in the 1930's when the average for Leavenworth was 31.66 inches and for Manhattan, 25.08 inches.

The driest growing season, April to September, inclusive, during the 1860's was in 1864 both at Leavenworth and Manhattan. At the former place the total for the period was 9.17 inches, scarcely more than a third of the normal amount and less than has been recorded at that place during the corresponding period of any subsequent year. At Manhattan the total for the same period in 1864 was 13.19 inches, scarcely more than half the normal amount and only slightly more than the 12.89 inches that fell during 1934, the driest growing season of the 1930's.

The year 1864, which gave Leavenworth a total of only 14.60 inches, is the driest on the 110-year record at that place. The year 1860, which gave Manhattan only 15.13 inches, is the driest on the 88-year record at that place.

The 18-month period extending from October 1859 to March 1861 is the driest on record both at Leavenworth and Manhattan, with 24.42 inches, 54% of the normal recorded at the former place, and 18.92 inches, 47% of the normal at the latter place.

At Larned the precipitation of 1861 was 77% of the normal and that of 1862, 80% of the normal, while generous rains were recorded in May, June, and July of both 1863 and 1864. This seems to indicate the drought was not so severe in the western part of the State, but there are no other records bearing on this subject.

A statement to the effect that no rain fell for a period of more than a year during the 1860's, often reprinted in later years, should be taken with a grain of salt. This condition certainly did not occur at Leavenworth, where there is no instance of two successive calendar months without precipitation, or at Manhattan, where there are no instances of three successive months without precipitation in the 1860's. Statements similar to this were later made for various parts of the State during the 1930's, but in every such case it was possible to show from records of a close network of reporting stations that these reports were due to faulty memory.

No official records of temperature are available for the 1860's for any part of the State, but newspaper reports indicate the prevalence of the usual hot summers that accompany droughts.

In the Early 1870's

Records indicate the next serious drought after that of the 1860's was that of the early 1870's, which prevailed chiefly in the western part of the State and was marked by a great horde of grasshoppers that gave 1874 the name "Grasshopper Year."

At Wallace, one of the two places in the western third of the State where a precipitation record was maintained through this period, this drought began in September 1872 and continued until the summer of 1875. The year 1873 was the driest on record at that place, with only 7.45 inches of precipitation. The summer months of 1874 were also exceedingly dry.

At Dodge City, where the record was begun in October 1874, the drought persisted until April 1877 and the year 1875 was the third driest on record at that place, with only 10.48 inches.

At Larned a decided deficiency in precipitation began in November 1870 and continued until the summer of 1877, although there were occasional heavy rains in the summers of 1874 and 1875. The total for the year 1872 at that place was 7.97 inches, which

is the least annual total on the Larned record.

Records kept at Leavenworth and Lawrence indicate this drought did not reach the northeastern part of the State, although Manhattan recorded only 0.43 inch and Independence 2.19 inches during July and August of 1874.

The outbreak of grasshoppers in 1874, which was associated with this drought, was the greatest in the history of the State. In regard to the origin of these Grasshoppers Dr. Roger C. Smith, Head of Department of Entomology, Kansas State College, reports as follows:

"Our records show these grasshoppers came from the plains of Colorado on the west and the fields of Nebraska on the north. There were no grasshoppers of consequence in 1870 and 1871. The hoppers flew into Kansas in 1872. They were not so numerous in 1873 but Nebraska was generally over-run. Rearing conditions were such that vigorous grasshoppers with long wings developed and they had the urge to fly. Local shifting of these insects is generally due to finding better sources of food."

In his publication "Thirty Years in Topeka," F. W. Giles gives the following account of the grasshopper invasion in 1874:

"Locusts first alighted on July 1 in Ellsworth County and during that month in Saline, Decatur, Barton, and two or three other counties, but through August they continued like storms of rain to almost deluge the land, and scarcely a county in the State escaped their ravages."

Early settlers who saw these flights stated the swarms of grasshoppers were so dense they darkened the sky like clouds and when they alighted all growing vegetation was killed within a few days, and in some instances within a few hours. The destruction of crops was almost complete over the State and it was then too late to replant with any prospect of yield. No other instance of an invasion of grasshoppers approaching this magnitude exists in the history of the State.

In the Early 1890's

No serious droughts of consequence occurred between those of the 1870's and the 1890's except one of limited extent in the western third of the State in 1882.

In 1892 a serious drought began in the southwestern counties of the State and was general over the western half through 1893 and 1894. The average precipitation over the western third for 1893 was 11.93 inches and for 1894, 12.19 inches, only 63% of the normal. This made it the driest two-year period on record in that section. This drought reached as far east as Hays, Macksville, and Medicine Lodge but was not felt to any serious extent in the eastern part of the State.

In 1901

A very damaging drought in 1901 that extended to all parts of the State was of comparatively short duration and was chiefly characterized by prolonged and excessively high temperatures during the summer months.

The deficiency in precipitation generally began in November 1900 and continued until May 1902. A few months during that period had above-normal amounts but the excess was generally small in each case. The total for 1901 for the eastern third was 25.31 inches, 9.95 inches below normal; for the middle third, 21.33 inches, 5.12 inches below normal; and for the western third, 17.34 inches, 1.77 inches below normal; and for the State as a whole, 21.35 inches, 5.62 inches below normal.

The heat was especially severe during July, which averaged hotter than any other month recorded in the State up to that time and hotter than any subsequent month until 1934. Daily maximum temperatures rose to 100° or higher in practically all parts every day from the 2d to the 25th and heat caused rapid evaporation of what little

rain fell. The highest temperature reported was 112° at Phillipsburg on the 16th. In August following, a high mark of 110° was recorded at Ness City on the 3d, but somewhat cooler weather prevailed for the next three weeks.

In the Period 1910-1917

This period of decided deficiency in precipitation began in 1910 and continued until the early months of 1918, with an interlude in 1915, which is the wettest year on the State-wide record.

The five-year period ending with 1914 was marked by an almost unbroken series of months with deficient precipitation and an average annual amount of 23.40 inches for the State, which is almost as low as that of the average for the five driest years during the drought of the 1930's.

The severity of this drought culminated during the summers of 1911 and 1913, which were among the hottest recorded in the State up to that time. June 1911, with an average of 0.64 inch of precipitation, is the driest June on record and one of the hottest. August 1913, with a State average of 0.47 inch, is the driest August on record and averaged the hottest August except that of 1936.

A new extreme high temperature mark for the State, 116°, occurred at Hugoton on June 25, 1911, and again at Farnsworth, Lane County, on July 13, 1913. This record has been exceeded in the State in only two subsequent years, 1934 and 1936. At Clay Center the maximum temperature rose to 100° or higher on every day but one from August 1, 1913, to the 7th of the following month, with a monthly mean maximum of 107° for August, a record that has never been equalled in any other month in the recorded history of the State.

After the interlude of the wet year 1915, dry weather again prevailed during 1916 and 1917, but without the extreme heat that characterized the summers of 1911 and 1913. Over the western third of the State, the average precipitation of 1916 was but 12.86 inches, which is one of the least annual amounts on record for that area. For the State as a whole, the average for 1917 was but 19.60 inches, which is the least amount credited to any other year except 1936.

In the 1930's

The great drought, or rather family of droughts, of the 1930's first began to be felt the latter part of June 1930, with a period of almost two months of excessively hot dry weather. Each of the following ten years, except 1935 and 1938, was deficient in precipitation, taking the State as a whole.

Over the western third, where the drought was especially severe, each of the ten years ending with 1940 averaged below normal in precipitation. The total shortage for the period in this part of the State was 36.60 inches, which is equivalent to the normal amount over a two-year period.

For the State as a whole, the shortage in precipitation for the same period was 37.20 inches, the equivalent to the normal fall over a year and a half. The precipitation through July and August, the two most critical months for crops, was below normal, taking the State as a whole, during each of these ten drought years, except 1933.

The ten-year moving average of precipitation for the State as a whole, a record begun in 1887, dropped to its lowest point in 1940, while at Dodge City, where the record was begun in 1874, the ten-year moving mean of precipitation reached its lowest point in 1939.

As in the case of several preceding droughts, there was an interlude in this one, in May and June, 1935, when excessively heavy rains fell over most of the State and caused damaging floods, especially along the Republican River.

Record-breaking hot weather through most of the 1930's added to the intensity of the drought. Each of the ten summers ending with 1940 averaged above normal in precipitation and those of 1934 and 1936 were especially hot.

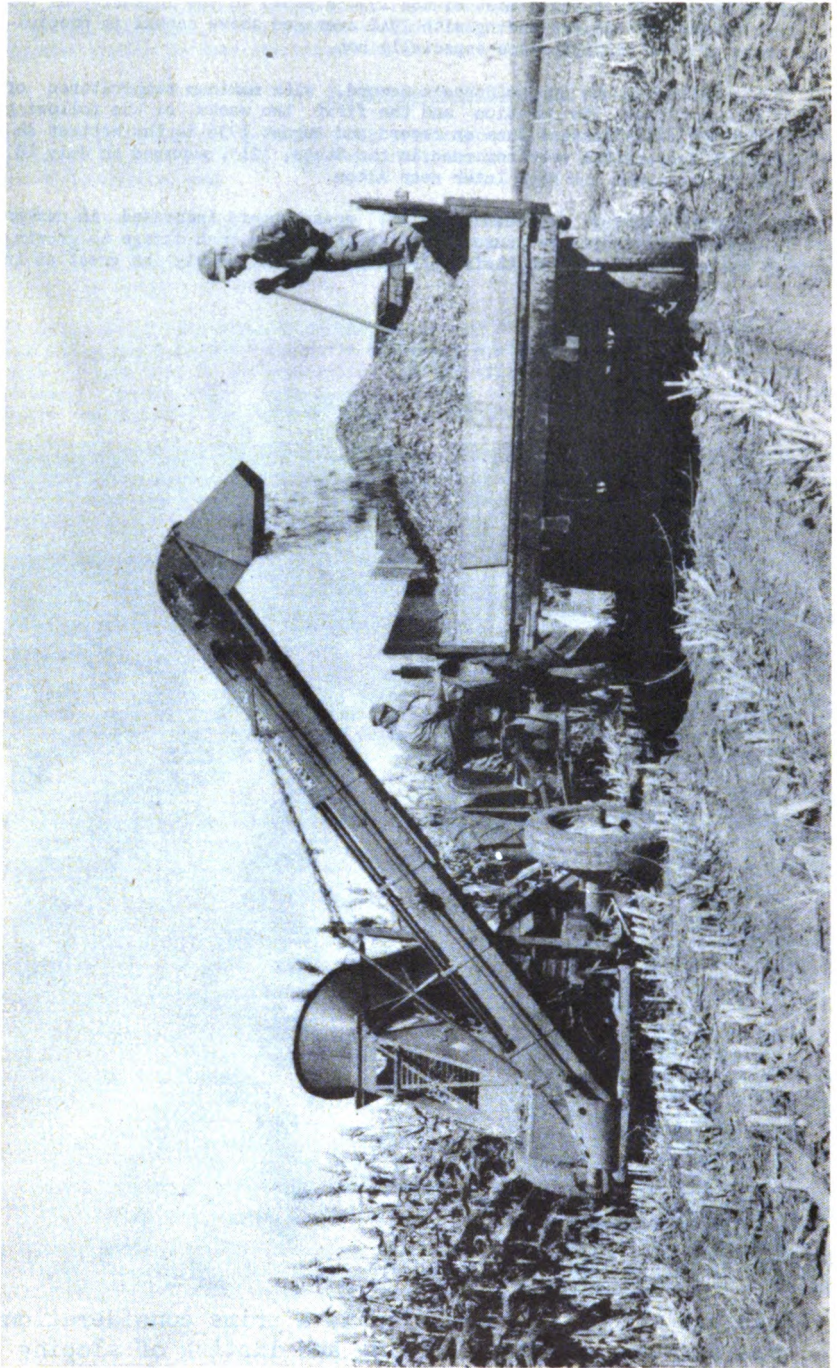
July 1934 is the hottest month on the State's record, with maximum temperatures of 105° to 110° common through its duration and the first two weeks of the following August. June 1933 is the hottest June on record and August 1936 is the hottest August. The highest temperature ever recorded in the State, 121°, occurred on July 18, 1936, at Fredonia and again six days later near Alton.

As sometimes happens during dry heated spells, grasshoppers increased in number greatly. In August 1936 they were unusually thick and caused much damage to growing crops in many eastern sections, but their infestation was not nearly as great as in 1874.

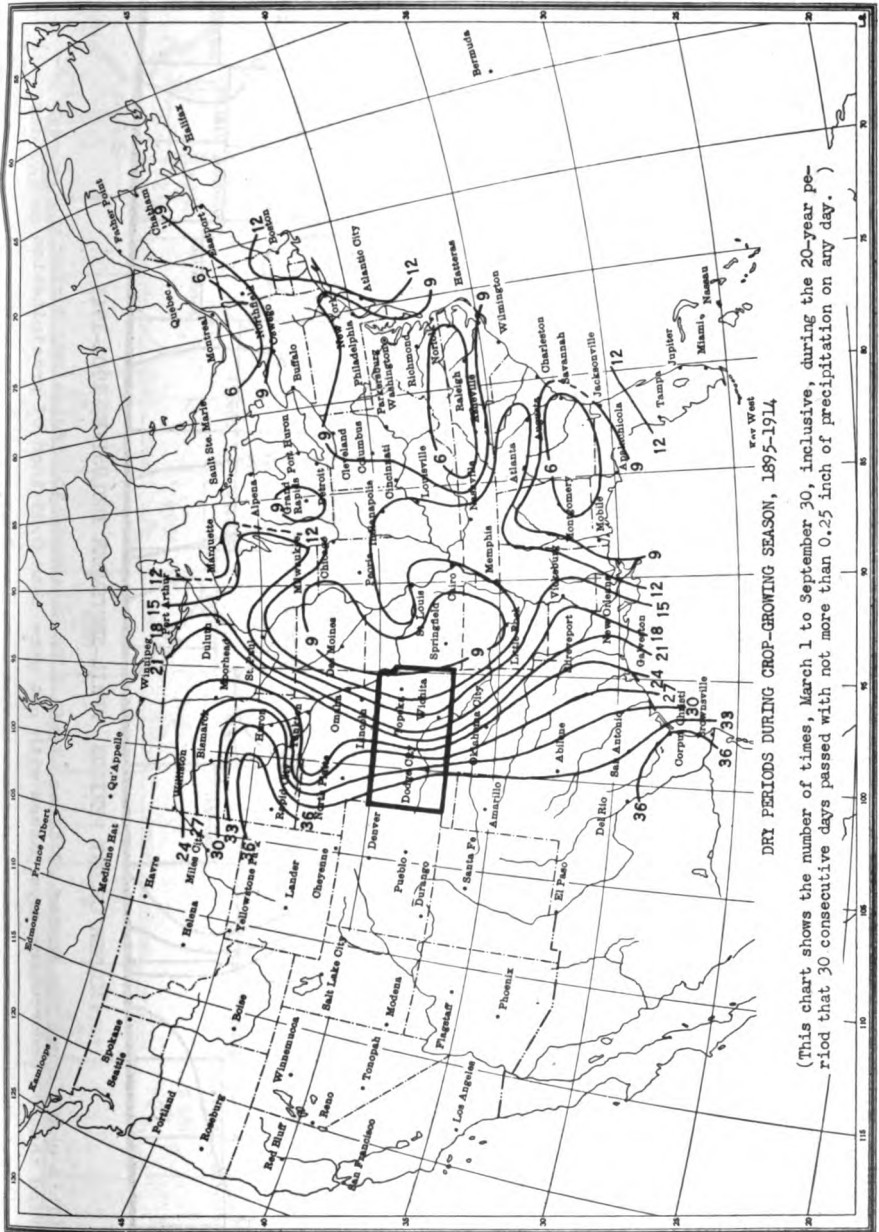
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Moisture and its conservation is a prime consideration with Kansas farmers. Contour farming and listing of sloping land are two assets in following this program.

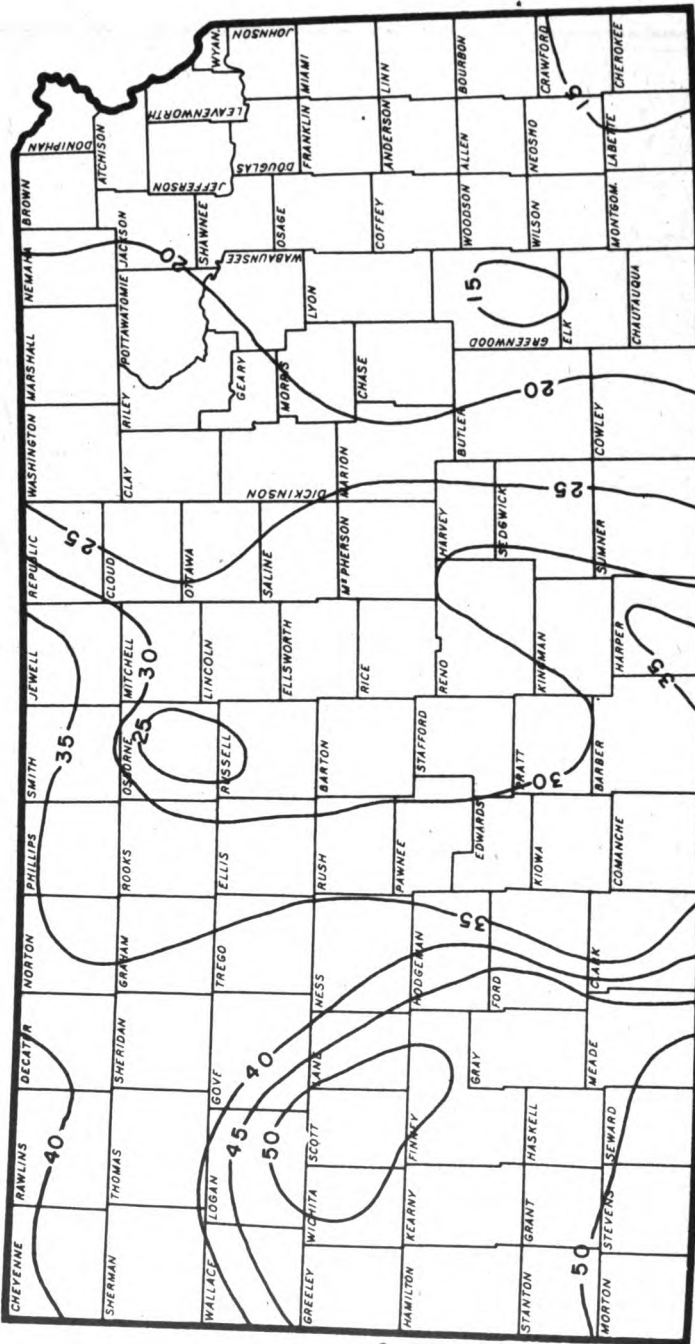


Crops adapted to Kansas climate produce high yields for the feed lots of the state.



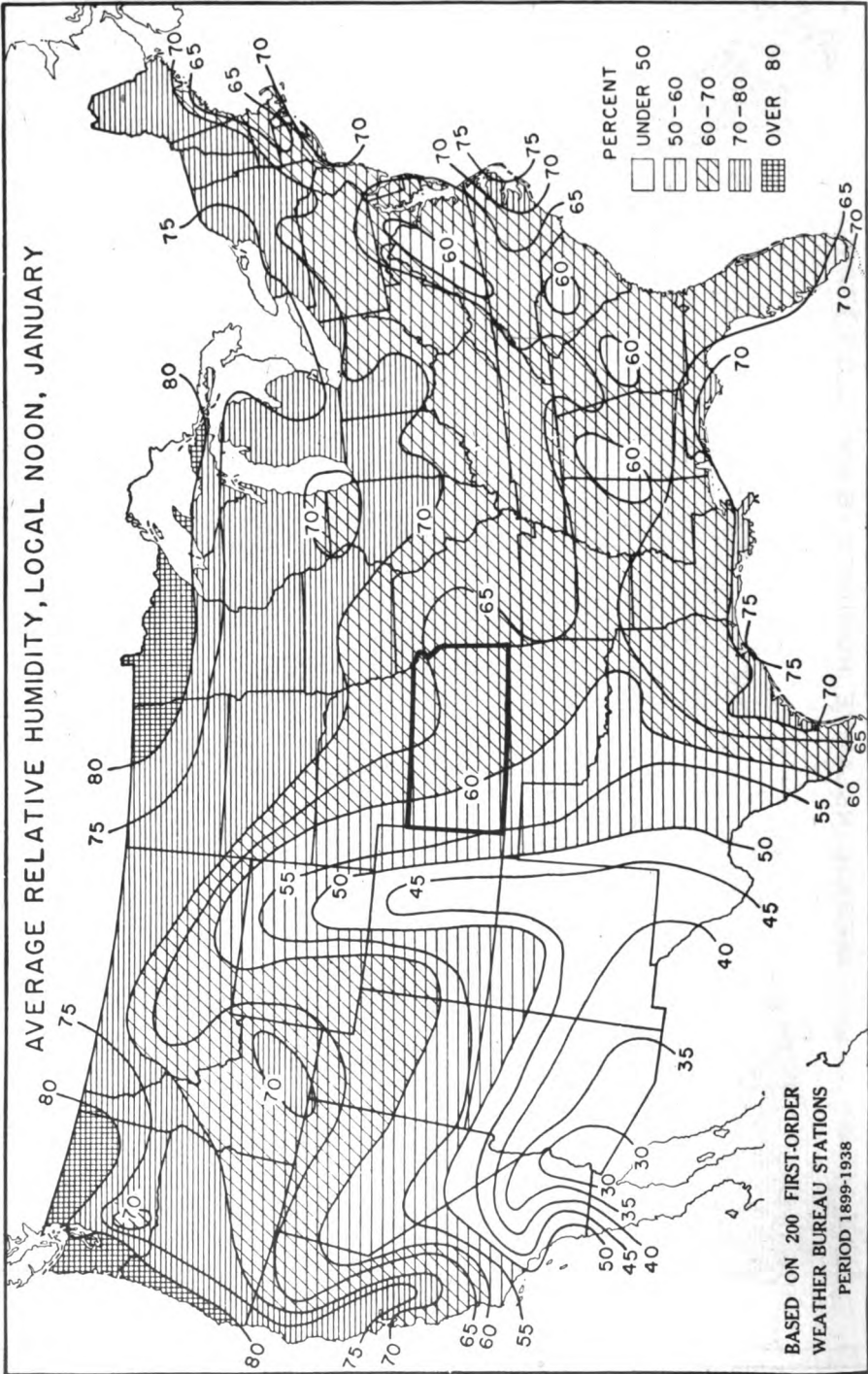
DRY PERIODS DURING CROP-GROWING SEASON, 1895-1914

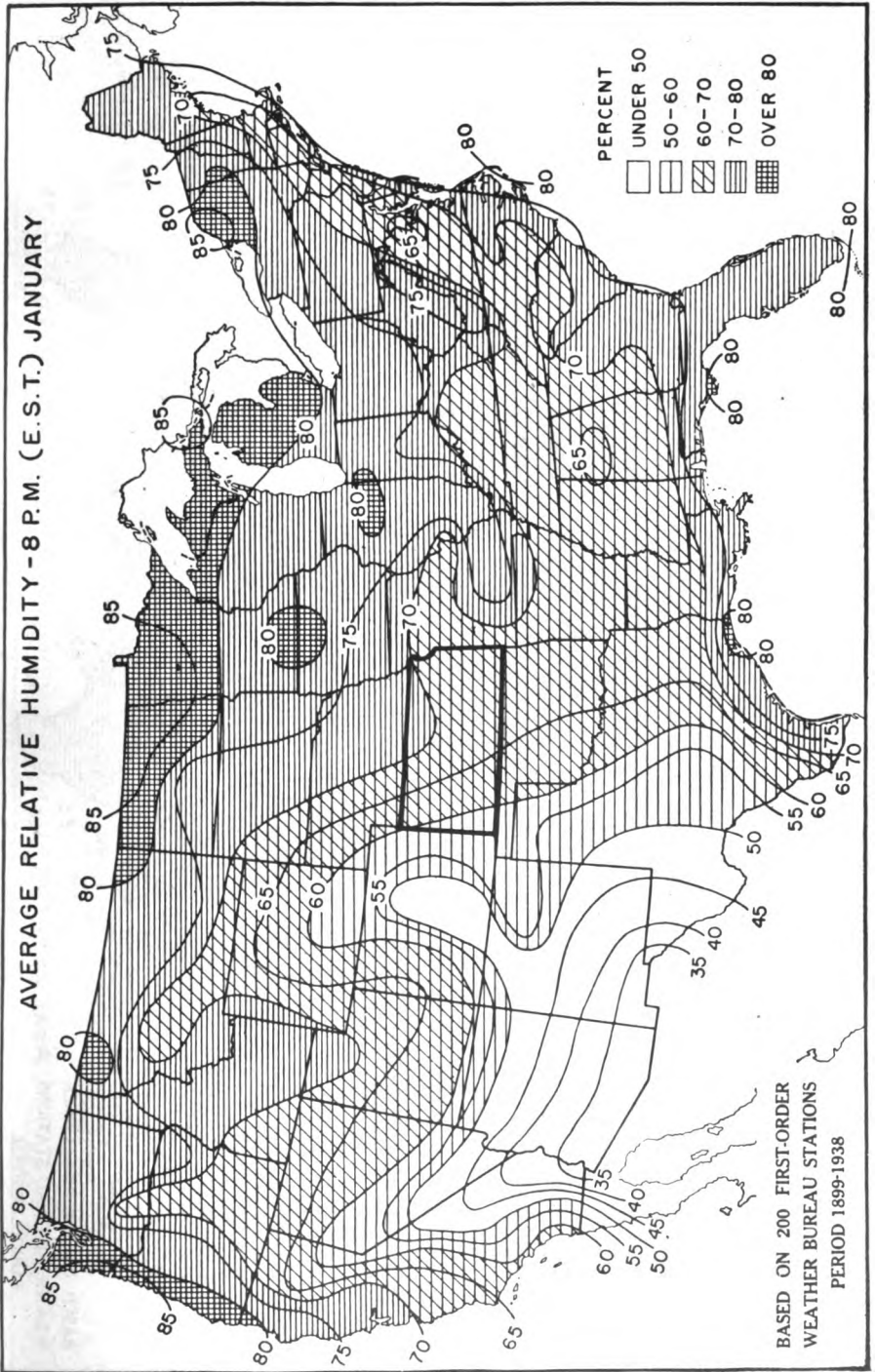
(This chart shows the number of times, March 1 to September 30, inclusive, during the 20-year period that 30 consecutive days passed with not more than 0.25 inch of precipitation on any day.)

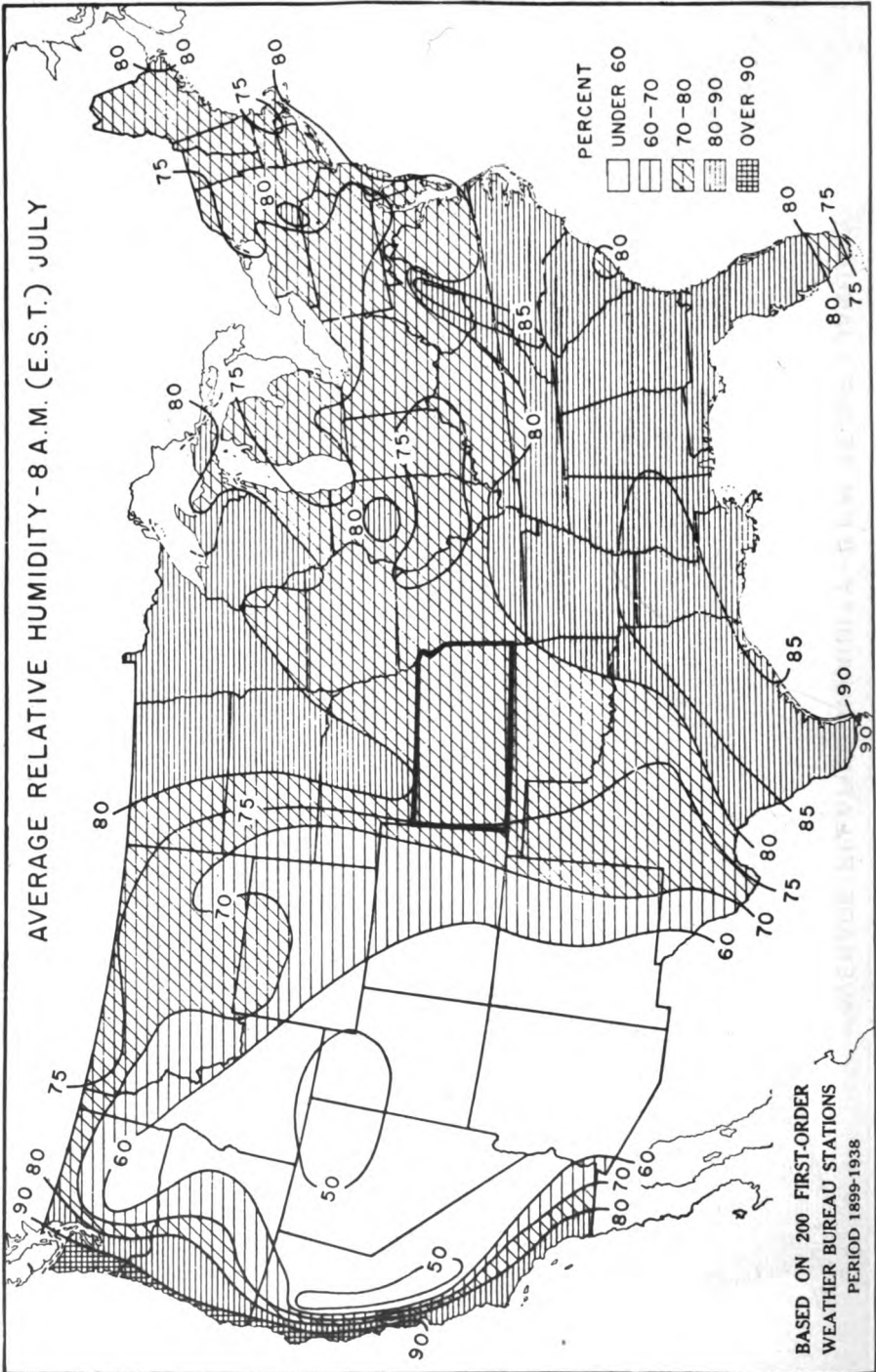


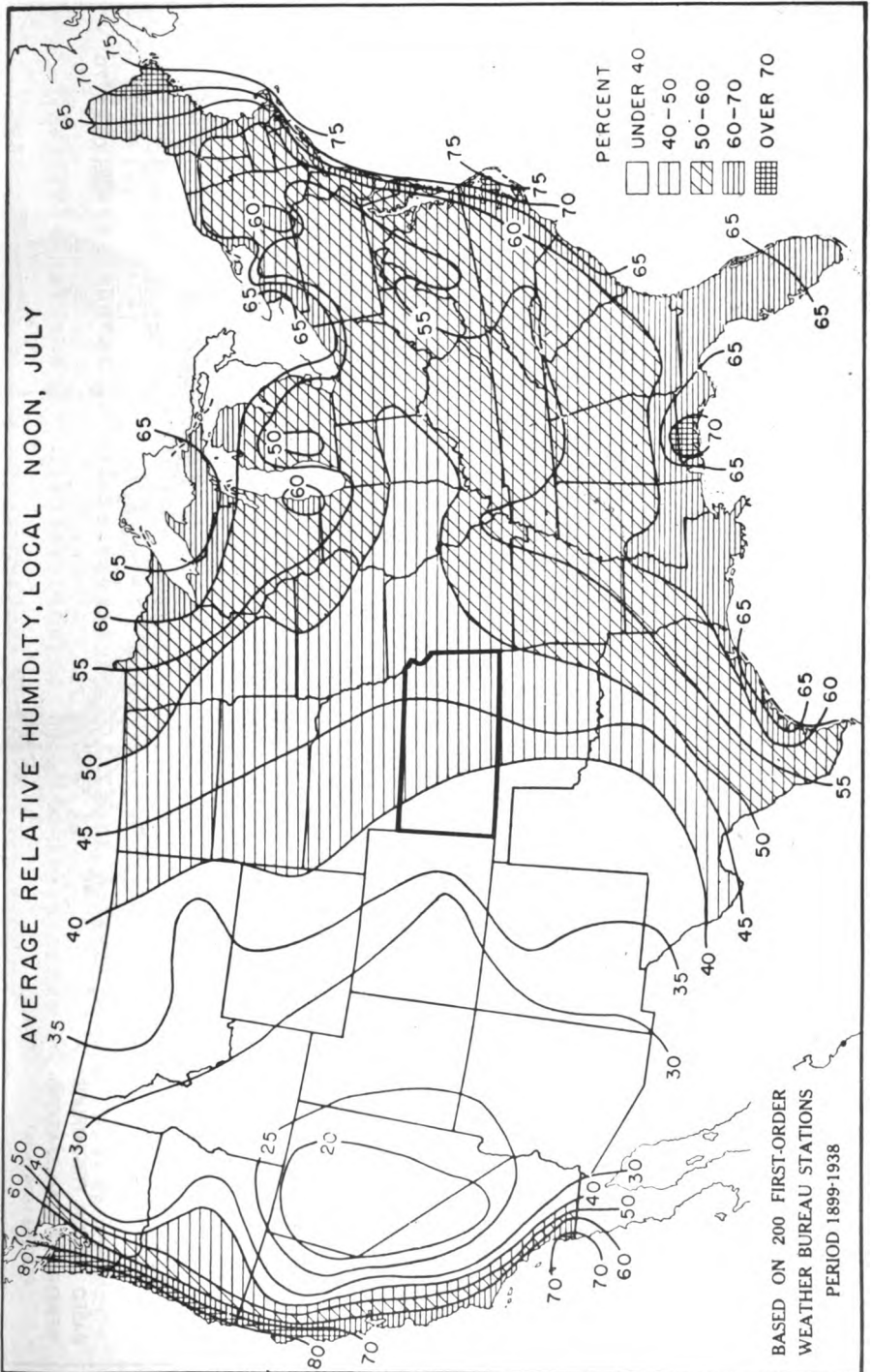
NUMBER OF DRY PERIODS, APRIL-SEPTEMBER INCLUSIVE, 1901-1945

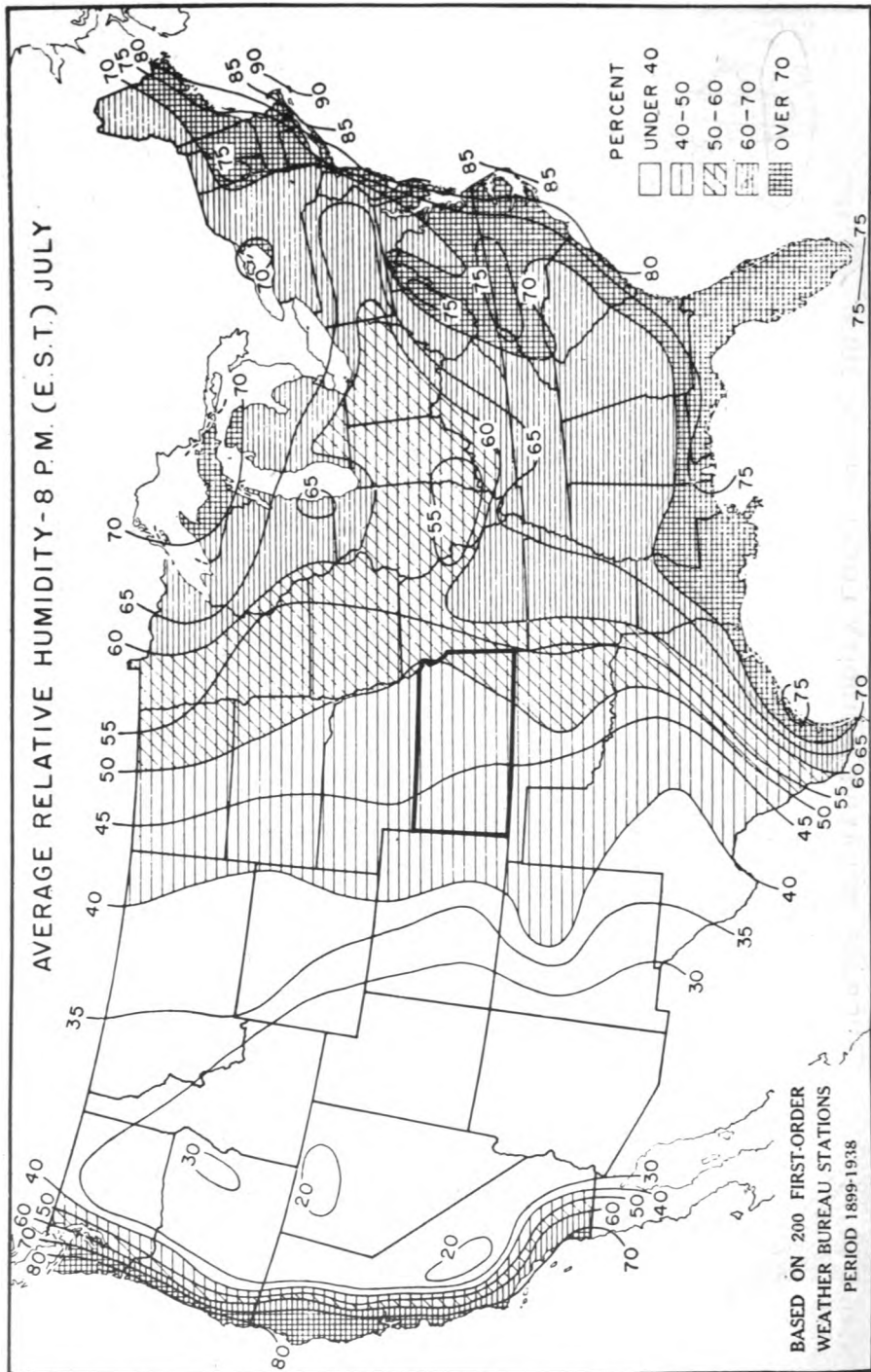
(This chart shows the number of times, April 1 to September 30, inclusive, during the 45-year period that 30 consecutive days passed with not more than 0.25 inch of precipitation on any day.)











AVERAGE RELATIVE HUMIDITY
(Central Standard Time)

CONCORDIA

| Year | January | | | | February | | | | March | | | | April | | | |
|-------|-----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|
| | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 |
| | A.M. | A.M. | P.M. | P.M. | A.M. | A.M. | P.M. | P.M. | A.M. | A.M. | P.M. | P.M. | A.M. | A.M. | P.M. | P.M. |
| 1931 | — | 83 | 56 | 58 | — | 83 | 61 | 61 | — | 85 | 60 | 64 | — | 81 | 54 | 58 |
| 1932 | — | 92 | 81 | 88 | — | 89 | 72 | 77 | — | 86 | 62 | 64 | — | 76 | 50 | 51 |
| 1933 | — | 77 | 47 | 50 | — | 71 | 48 | 48 | — | 84 | 60 | 60 | — | 68 | 46 | 43 |
| 1934 | — | 75 | 59 | 62 | — | 75 | 54 | 58 | — | 74 | 48 | 52 | — | 65 | 36 | 35 |
| 1935 | — | 84 | 65 | 70 | — | 82 | 58 | 60 | — | 64 | 40 | 42 | — | 71 | 46 | 46 |
| 1936 | — | 87 | 71 | 80 | — | 87 | 66 | 72 | — | 67 | 34 | 36 | — | 65 | 43 | 40 |
| 1937 | — | 88 | 77 | 85 | — | 82 | 66 | 71 | — | 84 | 62 | 64 | — | 71 | 46 | 45 |
| 1938 | — | 74 | 56 | 55 | — | 81 | 66 | 65 | — | 81 | 59 | 59 | — | 79 | 53 | 53 |
| 1939 | 69 | 74 | 58 | 57 | 66 | 75 | 50 | 54 | 70 | 79 | 58 | 59 | 66 | 75 | 46 | 47 |
| 1940 | 90 | 88 | 74 | 83 | 87 | 88 | 75 | 80 | 76 | 83 | 61 | 60 | 69 | 75 | 49 | 48 |
| 1941 | 90 | 92 | 78 | 81 | 83 | 87 | 67 | 72 | 78 | 83 | 57 | 62 | 78 | 83 | 58 | 57 |
| 1942 | 82 | 85 | 68 | 75 | 85 | 89 | 68 | 75 | 75 | 78 | 57 | 54 | 71 | 79 | 53 | 50 |
| 1943 | 71 | 76 | 60 | 67 | 69 | 76 | 50 | 53 | 69 | 75 | 51 | 51 | 60 | 70 | 37 | 40 |
| 1944 | 77 | 82 | 64 | 67 | 77 | 82 | 63 | 65 | 79 | 85 | 70 | 65 | 79 | 85 | 66 | 66 |
| 1945 | 81 | 86 | 70 | 72 | 81 | 85 | 70 | 71 | 71 | 74 | 50 | 50 | 77 | 83 | 60 | 60 |
| Means | 80.0 | 82.9 | 65.6 | 70.0 | 78.3 | 82.1 | 62.3 | 65.5 | 74.0 | 78.8 | 55.3 | 56.1 | 71.4 | 75.1 | 49.5 | 49.3 |
| Year | May | | | | June | | | | July | | | | August | | | |
| 1931 | — | 76 | 51 | 56 | — | 71 | 46 | 43 | — | 68 | 42 | 43 | — | 82 | 50 | 56 |
| 1932 | — | 74 | 44 | 48 | — | 81 | 52 | 57 | — | 76 | 48 | 50 | — | 81 | 51 | 53 |
| 1933 | — | 77 | 53 | 49 | — | 60 | 29 | 29 | — | 78 | 47 | 47 | — | 80 | 52 | 52 |
| 1934 | — | 69 | 39 | 44 | — | 67 | 39 | 36 | — | 51 | 25 | 25 | — | 59 | 33 | 32 |
| 1935 | — | 86 | 64 | 68 | — | 84 | 60 | 60 | — | 71 | 38 | 41 | — | 73 | 45 | 45 |
| 1936 | — | 78 | 55 | 56 | — | 66 | 37 | 38 | — | 52 | 26 | 23 | — | 58 | 31 | 31 |
| 1937 | — | 82 | 50 | 50 | — | 77 | 47 | 46 | — | 75 | 41 | 37 | — | 72 | 38 | 35 |
| 1938 | — | 88 | 66 | 67 | — | 83 | 55 | 56 | — | 76 | 44 | 42 | — | 74 | 46 | 46 |
| 1939 | 65 | 70 | 42 | 42 | 75 | 78 | 47 | 46 | 55 | 66 | 35 | 33 | 66 | 78 | 47 | 45 |
| 1940 | 66 | 74 | 44 | 44 | 67 | 75 | 48 | 45 | 59 | 69 | 41 | 36 | 75 | 85 | 57 | 54 |
| 1941 | 77 | 82 | 56 | 53 | 77 | 83 | 55 | 55 | 62 | 72 | 43 | 40 | 70 | 78 | 50 | 48 |
| 1942 | 76 | 78 | 56 | 53 | 79 | 85 | 58 | 62 | 69 | 78 | 44 | 38 | 76 | 85 | 56 | 55 |
| 1943 | 75 | 81 | 60 | 59 | 80 | 84 | 57 | 60 | 72 | 82 | 64 | 53 | 61 | 72 | 45 | 39 |
| 1944 | 75 | 85 | 55 | 56 | 75 | 80 | 53 | 52 | 71 | 81 | 51 | 48 | 76 | 81 | 55 | 54 |
| 1945 | 80 | 80 | 58 | 59 | 82 | 88 | 63 | 60 | 74 | 82 | 56 | 51 | 72 | 83 | 54 | 52 |
| Means | 73.4 | 78.7 | 52.9 | 53.6 | 76.4 | 77.5 | 49.7 | 49.7 | 66.0 | 71.8 | 43.0 | 40.5 | 70.9 | 76.1 | 47.3 | 46.5 |
| Year | September | | | | October | | | | November | | | | December | | | |
| 1931 | — | 67 | 42 | 46 | — | 81 | 52 | 61 | — | 88 | 68 | 72 | — | 92 | 74 | 82 |
| 1932 | — | 83 | 47 | 56 | — | 78 | 48 | 54 | — | 69 | 47 | 48 | — | 87 | 64 | 75 |
| 1933 | — | 82 | 50 | 55 | — | 72 | 39 | 47 | — | 65 | 43 | 50 | — | 74 | 54 | 61 |
| 1934 | — | 78 | 50 | 55 | — | 74 | 41 | 49 | — | 81 | 61 | 69 | — | 89 | 71 | 77 |
| 1935 | — | 78 | 49 | 56 | — | 85 | 59 | 69 | — | 86 | 69 | 78 | — | 85 | 70 | 77 |
| 1936 | — | 79 | 51 | 55 | — | 75 | 49 | 60 | — | 74 | 45 | 47 | — | 88 | 68 | 77 |
| 1937 | — | 73 | 42 | 41 | — | 75 | 48 | 51 | — | 76 | 48 | 54 | — | 82 | 62 | 64 |
| 1938 | — | 79 | 43 | 46 | — | 63 | 33 | 36 | — | 69 | 44 | 52 | — | 70 | 44 | 48 |
| 1939 | 48 | 59 | 31 | 29 | 50 | 61 | 36 | 36 | 58 | 67 | 44 | 49 | 60 | 69 | 50 | 51 |
| 1940 | 72 | 79 | 52 | 53 | 66 | 75 | 46 | 47 | 83 | 87 | 69 | 76 | 85 | 89 | 74 | 81 |
| 1941 | 72 | 80 | 56 | 56 | 83 | 87 | 65 | 74 | 80 | 85 | 64 | 73 | 80 | 83 | 66 | 74 |
| 1942 | 80 | 85 | 60 | 63 | 74 | 82 | 50 | 57 | 70 | 75 | 56 | 61 | 86 | 86 | 76 | 80 |
| 1943 | 65 | 77 | 44 | 46 | 70 | 82 | 47 | 50 | 68 | 76 | 51 | 54 | 73 | 76 | 60 | 66 |
| 1944 | 75 | 84 | 57 | 56 | 71 | 83 | 49 | 57 | 76 | 85 | 62 | 67 | 82 | 85 | 68 | 75 |
| 1945 | 67 | 79 | 51 | 51 | 70 | 78 | 52 | 50 | 64 | 75 | 49 | 48 | 82 | 84 | 69 | 74 |
| Means | 68.4 | 77.5 | 48.3 | 50.9 | 69.1 | 76.7 | 47.6 | 53.2 | 71.3 | 77.2 | 54.7 | 59.9 | 78.3 | 82.6 | 64.7 | 70.8 |
| Year | Annual | | | | | | | | | | | | | | | |
| 1931 | — | 80 | 55 | 58 | | | | | | | | | | | | |
| 1932 | — | 81 | 56 | 60 | | | | | | | | | | | | |
| 1933 | — | 74 | 47 | 49 | | | | | | | | | | | | |
| 1934 | — | 71 | 46 | 50 | | | | | | | | | | | | |
| 1935 | — | 79 | 55 | 59 | | | | | | | | | | | | |
| 1936 | — | 73 | 48 | 51 | | | | | | | | | | | | |
| 1937 | — | 78 | 52 | 54 | | | | | | | | | | | | |
| 1938 | — | 76 | 51 | 52 | | | | | | | | | | | | |
| 1939 | 62 | 71 | 45 | 46 | | | | | | | | | | | | |
| 1940 | 75 | 81 | 58 | 59 | | | | | | | | | | | | |
| 1941 | 78 | 83 | 60 | 62 | | | | | | | | | | | | |
| 1942 | 77 | 82 | 58 | 60 | | | | | | | | | | | | |
| 1943 | 69 | 77 | 52 | 53 | | | | | | | | | | | | |
| 1944 | 76 | 83 | 59 | 61 | | | | | | | | | | | | |
| 1945 | 75 | 81 | 58 | 58 | | | | | | | | | | | | |
| Means | 73.1 | 78.0 | 53.3 | 55.5 | | | | | | | | | | | | |

AVERAGE RELATIVE HUMIDITY
(Central Standard Time)

DODGE CITY

| Year | January | | | | February | | | | March | | | | April | | | |
|-------|-----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|
| | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 |
| | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. |
| 1931 | — | 81 | 50 | 58 | — | 86 | 52 | 56 | — | 83 | 58 | 63 | — | 84 | 52 | 58 |
| 1932 | — | 89 | 76 | 82 | — | 78 | 52 | 61 | — | 78 | 51 | 51 | — | 72 | 40 | 40 |
| 1933 | — | 60 | 32 | 35 | — | 64 | 36 | 38 | — | 68 | 40 | 36 | — | 63 | 38 | 36 |
| 1934 | — | 72 | 51 | 57 | — | 72 | 54 | 61 | — | 74 | 47 | 45 | — | 62 | 37 | 36 |
| 1935 | — | 74 | 49 | 53 | — | 72 | 49 | 50 | — | 59 | 34 | 35 | — | 64 | 38 | 35 |
| 1936 | — | 80 | 62 | 69 | — | 70 | 44 | 43 | — | 54 | 28 | 25 | — | 62 | 34 | 32 |
| 1937 | — | 82 | 65 | 76 | — | 74 | 48 | 53 | — | 74 | 50 | 50 | — | 67 | 33 | 32 |
| 1938 | — | 64 | 41 | 37 | — | 69 | 52 | 53 | — | 72 | 45 | 47 | — | 84 | 55 | 53 |
| 1939 | 62 | 69 | 45 | 46 | 54 | 64 | 46 | 45 | 71 | 80 | 54 | 54 | 64 | 74 | 42 | 38 |
| 1940 | 82 | 80 | 71 | 80 | 80 | 82 | 63 | 69 | 68 | 77 | 52 | 46 | 67 | 75 | 49 | 45 |
| 1941 | 85 | 89 | 71 | 76 | 80 | 84 | 61 | 67 | 77 | 82 | 56 | 59 | 76 | 84 | 53 | 53 |
| 1942 | 76 | 80 | 51 | 57 | 80 | 84 | 61 | 63 | 72 | 78 | 43 | 40 | 77 | 84 | 57 | 60 |
| 1943 | 64 | 75 | 53 | 53 | 59 | 70 | 42 | 42 | 66 | 75 | 48 | 46 | 62 | 73 | 43 | 39 |
| 1944 | 84 | 84 | 74 | 78 | 78 | 82 | 61 | 65 | 82 | 87 | 66 | 65 | 80 | 87 | 64 | 64 |
| 1945 | 78 | 82 | 64 | 69 | 82 | 86 | 75 | 77 | 68 | 76 | 42 | 39 | 77 | 83 | 58 | 54 |
| Means | 75.9 | 77.4 | 57.0 | 61.7 | 73.3 | 75.8 | 53.1 | 56.2 | 72.0 | 74.5 | 47.6 | 46.7 | 71.9 | 74.5 | 46.2 | 45.0 |
| Year | May | | | | June | | | | July | | | | August | | | |
| 1931 | — | 76 | 48 | 51 | — | 70 | 37 | 38 | — | 72 | 37 | 38 | — | 75 | 42 | 43 |
| 1932 | — | 73 | 40 | 44 | — | 84 | 53 | 54 | — | 72 | 38 | 37 | — | 76 | 39 | 43 |
| 1933 | — | 76 | 44 | 40 | — | 56 | 28 | 25 | — | 70 | 36 | 37 | — | 77 | 46 | 47 |
| 1934 | — | 68 | 35 | 36 | — | 63 | 33 | 35 | — | 46 | 23 | 22 | — | 60 | 31 | 31 |
| 1935 | — | 84 | 59 | 61 | — | 84 | 48 | 47 | — | 65 | 29 | 31 | — | 70 | 37 | 39 |
| 1936 | — | 80 | 54 | 52 | — | 68 | 36 | 35 | — | 57 | 26 | 26 | — | 55 | 27 | 26 |
| 1937 | — | 74 | 42 | 44 | — | 75 | 46 | 43 | — | 71 | 34 | 32 | — | 70 | 35 | 33 |
| 1938 | — | 86 | 52 | 54 | — | 82 | 46 | 48 | — | 73 | 35 | 37 | — | 63 | 32 | 32 |
| 1939 | 66 | 74 | 39 | 37 | 60 | 75 | 42 | 37 | 50 | 63 | 32 | 29 | 64 | 74 | 37 | 35 |
| 1940 | 70 | 77 | 47 | 44 | 67 | 75 | 43 | 42 | 54 | 70 | 37 | 33 | 72 | 81 | 45 | 48 |
| 1941 | 85 | 86 | 55 | 57 | 82 | 88 | 58 | 53 | 69 | 80 | 45 | 41 | 74 | 82 | 45 | 44 |
| 1942 | 73 | 80 | 44 | 43 | 75 | 83 | 54 | 52 | 61 | 71 | 34 | 34 | 77 | 86 | 48 | 50 |
| 1943 | 79 | 85 | 53 | 53 | 66 | 75 | 42 | 41 | 61 | 72 | 39 | 36 | 54 | 67 | 37 | 33 |
| 1944 | 80 | 86 | 59 | 60 | 73 | 79 | 61 | 49 | 77 | 84 | 51 | 51 | 76 | 82 | 50 | 43 |
| 1945 | 79 | 83 | 51 | 47 | 81 | 89 | 62 | 56 | 72 | 83 | 52 | 46 | 68 | 83 | 48 | 42 |
| Means | 76.0 | 79.2 | 48.1 | 48.2 | 72.0 | 76.4 | 45.9 | 43.7 | 63.4 | 69.9 | 36.5 | 35.3 | 69.3 | 73.4 | 39.9 | 39.3 |
| Year | September | | | | October | | | | November | | | | December | | | |
| 1931 | — | 62 | 31 | 34 | — | 73 | 42 | 43 | — | 80 | 62 | 67 | — | 82 | 59 | 66 |
| 1932 | — | 80 | 44 | 50 | — | 74 | 38 | 47 | — | 68 | 37 | 48 | — | 80 | 53 | 62 |
| 1933 | — | 76 | 43 | 44 | — | 70 | 37 | 43 | — | 72 | 41 | 49 | — | 73 | 43 | 55 |
| 1934 | — | 78 | 44 | 46 | — | 71 | 37 | 46 | — | 74 | 49 | 61 | — | 81 | 48 | 60 |
| 1935 | — | 79 | 41 | 42 | — | 83 | 50 | 58 | — | 86 | 61 | 72 | — | 76 | 52 | 60 |
| 1936 | — | 81 | 50 | 53 | — | 80 | 51 | 58 | — | 68 | 36 | 40 | — | 84 | 64 | 72 |
| 1937 | — | 74 | 41 | 40 | — | 74 | 41 | 47 | — | 68 | 40 | 47 | — | 80 | 55 | 60 |
| 1938 | — | 74 | 37 | 41 | — | 64 | 29 | 35 | — | 57 | 33 | 33 | — | 60 | 39 | 46 |
| 1939 | 43 | 54 | 30 | 28 | 48 | 56 | 28 | 30 | 54 | 63 | 39 | 40 | 54 | 57 | 43 | 46 |
| 1940 | 69 | 81 | 50 | 50 | 64 | 73 | 39 | 45 | 77 | 81 | 57 | 66 | 81 | 84 | 60 | 71 |
| 1941 | 68 | 76 | 46 | 45 | 83 | 87 | 62 | 65 | 78 | 83 | 54 | 63 | 78 | 82 | 57 | 65 |
| 1942 | 72 | 80 | 50 | 50 | 77 | 85 | 52 | 61 | 72 | 81 | 51 | 58 | 86 | 88 | 74 | 81 |
| 1943 | 68 | 77 | 47 | 44 | 69 | 77 | 48 | 54 | 69 | 74 | 46 | 50 | 78 | 79 | 68 | 73 |
| 1944 | 75 | 83 | 52 | 51 | 74 | 79 | 51 | 58 | 78 | 81 | 57 | 64 | 82 | 83 | 64 | 74 |
| 1945 | 64 | 73 | 45 | 46 | 74 | 80 | 48 | 53 | 57 | 64 | 38 | 46 | 73 | 76 | 57 | 59 |
| Means | 65.6 | 75.2 | 43.4 | 44.3 | 69.9 | 75.1 | 43.5 | 49.5 | 69.3 | 73.3 | 46.7 | 53.6 | 76.0 | 77.7 | 55.7 | 63.3 |
| Year | Annual | | | | | | | | | | | | | | | |
| 1931 | — | 77 | 48 | 51 | | | | | | | | | | | | |
| 1932 | — | 77 | 47 | 52 | | | | | | | | | | | | |
| 1933 | — | 69 | 39 | 40 | | | | | | | | | | | | |
| 1934 | — | 68 | 41 | 45 | | | | | | | | | | | | |
| 1935 | — | 75 | 46 | 49 | | | | | | | | | | | | |
| 1936 | — | 70 | 43 | 44 | | | | | | | | | | | | |
| 1937 | — | 74 | 44 | 46 | | | | | | | | | | | | |
| 1938 | — | 71 | 41 | 43 | | | | | | | | | | | | |
| 1939 | 58 | 67 | 40 | 39 | | | | | | | | | | | | |
| 1940 | 71 | 78 | 51 | 53 | | | | | | | | | | | | |
| 1941 | 78 | 84 | 55 | 57 | | | | | | | | | | | | |
| 1942 | 75 | 82 | 52 | 54 | | | | | | | | | | | | |
| 1943 | 66 | 75 | 47 | 47 | | | | | | | | | | | | |
| 1944 | 78 | 83 | 59 | 60 | | | | | | | | | | | | |
| 1945 | 73 | 80 | 53 | 53 | | | | | | | | | | | | |
| Means | 71.3 | 75.3 | 47.1 | 48.9 | | | | | | | | | | | | |

AVERAGE RELATIVE HUMIDITY
(Central Standard Time)

TOPEKA

| Year | January | | | | February | | | | March | | | | April | | | |
|-------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. |
| 1937 | — | 78 | — | 75 | — | 74 | — | 67 | — | 80 | — | 64 | — | 76 | — | 52 |
| 1938 | — | 75 | — | 59 | — | 83 | — | 66 | — | 80 | — | 56 | — | 80 | — | 49 |
| 1939 | 70 | 72 | 57 | 59 | 61 | 64 | 45 | 49 | 67 | 73 | 55 | 54 | 62 | 75 | 47 | 46 |
| 1940 | 72 | 76 | 59 | 69 | 80 | 83 | 69 | 74 | 72 | 76 | 58 | 57 | 64 | 73 | 52 | 50 |
| 1941 | 88 | 89 | 79 | 81 | 73 | 84 | 65 | 62 | 78 | 80 | 49 | 53 | 74 | 82 | 54 | 56 |
| 1942 | 79 | 79 | 58 | 64 | 85 | 89 | 67 | 71 | 70 | 77 | 55 | 53 | 69 | 80 | 54 | 52 |
| 1943 | 72 | 77 | 58 | 64 | 63 | 76 | 47 | 50 | 70 | 75 | 55 | 53 | 62 | 71 | 42 | 40 |
| 1944 | 78 | 83 | 66 | 67 | 78 | 79 | 62 | 61 | 81 | 81 | 68 | 70 | 84 | 84 | 66 | 72 |
| 1945 | 80 | 87 | 71 | 74 | 79 | 80 | 67 | 70 | 73 | 80 | 56 | 55 | 78 | 85 | 59 | 62 |
| Means | 77.0 | 79.6 | 64.0 | 68.0 | 74.1 | 79.1 | 60.3 | 63.3 | 73.0 | 78.0 | 56.6 | 57.2 | 70.4 | 78.4 | 53.4 | 53.2 |

| Year | May | | | | June | | | | July | | | | August | | | |
|-------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. |
| 1937 | — | 83 | — | 56 | — | 79 | — | 52 | — | 76 | — | 44 | — | 76 | — | 47 |
| 1938 | — | 87 | — | 68 | — | 83 | — | 52 | — | 79 | — | 44 | — | 79 | — | 46 |
| 1939 | 63 | 70 | 39 | 41 | 77 | 82 | 51 | 52 | 63 | 68 | 37 | 36 | 67 | 79 | 49 | 48 |
| 1940 | 67 | 71 | 45 | 43 | 72 | 76 | 51 | 51 | 64 | 73 | 41 | 37 | 77 | 85 | 56 | 57 |
| 1941 | 74 | 79 | 48 | 54 | 79 | 83 | 54 | 56 | 70 | 77 | 45 | 49 | 78 | 84 | 54 | 56 |
| 1942 | 78 | 81 | 56 | 57 | 83 | 86 | 58 | 61 | 72 | 80 | 48 | 48 | 81 | 88 | 57 | 60 |
| 1943 | 80 | 82 | 61 | 62 | 83 | 86 | 60 | 61 | 79 | 82 | 54 | 53 | 69 | 76 | 46 | 49 |
| 1944 | — | 85 | 55 | 59 | — | 82 | 57 | 59 | 76 | 80 | 50 | 50 | 79 | 87 | 62 | 56 |
| 1945 | 77 | 83 | 61 | 61 | 82 | 87 | 67 | 63 | 76 | 82 | 54 | 53 | 73 | 84 | 51 | 52 |
| Means | 73.2 | 80.1 | 52.1 | 55.7 | 79.3 | 82.7 | 56.9 | 56.3 | 71.4 | 77.4 | 47.0 | 46.0 | 74.9 | 82.0 | 53.6 | 52.3 |

| Year | September | | | | October | | | | November | | | | December | | | |
|-------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. | 12:30 A.M. | 6:30 A.M. | 12:30 P.M. | 6:30 P.M. |
| 1937 | — | 73 | — | 43 | — | 73 | — | 48 | — | 71 | — | 58 | — | 83 | — | 74 |
| 1938 | — | 79 | — | 44 | — | 62 | — | 35 | — | 65 | — | 46 | — | 68 | — | 50 |
| 1939 | 49 | 62 | 31 | 29 | 53 | 64 | 39 | 39 | 70 | 76 | 52 | 37 | 64 | 70 | 50 | 52 |
| 1940 | 72 | 83 | 47 | 54 | 63 | 76 | 47 | 48 | 76 | 83 | 62 | 65 | 81 | 86 | 70 | 72 |
| 1941 | 78 | 84 | 59 | 62 | 82 | 89 | 67 | 72 | 79 | 84 | 63 | 68 | 80 | 84 | 66 | 70 |
| 1942 | 82 | 89 | 56 | 66 | 72 | 83 | 49 | 56 | 75 | 82 | 60 | 64 | 85 | 87 | 79 | 80 |
| 1943 | 75 | 82 | 46 | 53 | 75 | 83 | 49 | 53 | 74 | 80 | 56 | 59 | 77 | 77 | 63 | 70 |
| 1944 | 78 | 85 | 55 | 60 | 74 | 84 | 50 | 54 | 76 | 82 | 65 | 68 | 78 | 87 | 70 | 73 |
| 1945 | 73 | 82 | 54 | 57 | 77 | 82 | 50 | 59 | 66 | 74 | 48 | 51 | 72 | 80 | 65 | 66 |
| Means | 72.4 | 79.9 | 49.7 | 52.0 | 70.9 | 77.3 | 50.1 | 51.6 | 73.7 | 77.4 | 58.0 | 59.6 | 76.7 | 80.2 | 66.1 | 67.4 |

| Year | Annual | | | |
|-------|--------|------|------|------|
| 1937 | — | 77 | — | 57 |
| 1938 | — | 77 | — | 51 |
| 1939 | 64 | 71 | 46 | 47 |
| 1940 | 72 | 78 | 55 | 56 |
| 1941 | 77 | 83 | 59 | 62 |
| 1942 | 78 | 83 | 58 | 61 |
| 1943 | 73 | 79 | 53 | 56 |
| 1944 | — | 83 | 60 | 62 |
| 1945 | 76 | 82 | 59 | 60 |
| Means | 73.3 | 79.2 | 55.7 | 56.9 |

AVERAGE RELATIVE HUMIDITY
(Central Standard Time)

WICHITA

| Year | January | | | | February | | | | March | | | | April | | | |
|-------|-----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|
| | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 |
| | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. |
| 1931 | — | 81 | 58 | 62 | — | 81 | 62 | 61 | — | 78 | 56 | 60 | — | 80 | 56 | 54 |
| 1932 | — | 85 | 70 | 72 | — | 81 | 56 | 63 | — | 78 | 48 | 50 | — | 67 | 43 | 43 |
| 1933 | — | 71 | 46 | 44 | — | 69 | 44 | 42 | — | 69 | 42 | 49 | — | 66 | 34 | 35 |
| 1934 | — | 79 | 57 | 63 | — | 70 | 47 | 49 | — | 69 | 48 | 42 | — | 62 | 42 | 44 |
| 1935 | — | 81 | 60 | 64 | — | 78 | 57 | 56 | — | 67 | 38 | 45 | — | 71 | 50 | 50 |
| 1936 | — | 77 | 60 | 63 | — | 74 | 50 | 52 | — | 57 | 30 | 26 | — | 57 | 32 | 33 |
| 1937 | — | 82 | 74 | 76 | — | 76 | 56 | 59 | — | 78 | 58 | 56 | — | 70 | 43 | 44 |
| 1938 | — | 69 | 49 | 47 | — | 79 | 67 | 61 | — | 76 | 53 | 51 | — | 78 | 53 | 51 |
| 1939 | — | 73 | 52 | 55 | — | 66 | 48 | 48 | — | 73 | 48 | 46 | — | 69 | 46 | 42 |
| 1940 | 86 | 85 | 73 | 80 | 84 | 88 | 69 | 75 | 72 | 80 | 50 | 52 | 71 | 80 | 55 | 52 |
| 1941 | 91 | 93 | 82 | 82 | 84 | 88 | 69 | 71 | 77 | 83 | 58 | 60 | 82 | 86 | 61 | 64 |
| 1942 | 83 | 89 | 62 | 67 | 84 | 91 | 68 | 71 | 74 | 81 | 51 | 48 | 83 | 87 | 61 | 61 |
| 1943 | 77 | 80 | 65 | 71 | 70 | 74 | 48 | 51 | 75 | 84 | 56 | 55 | 61 | 74 | 40 | 41 |
| 1944 | 81 | 84 | 66 | 74 | 76 | 82 | 61 | 62 | 78 | 81 | 66 | 65 | 78 | 80 | 65 | 63 |
| 1945 | 82 | 83 | 74 | 73 | 79 | 80 | 71 | 73 | 71 | 78 | 56 | 57 | 80 | 86 | 66 | 64 |
| Means | 83.3 | 80.8 | 63.2 | 66.2 | 79.5 | 78.5 | 58.2 | 59.6 | 74.5 | 75.5 | 50.5 | 50.8 | 75.8 | 74.2 | 49.8 | 49.4 |
| Year | May | | | | June | | | | July | | | | August | | | |
| 1931 | — | 74 | 53 | 50 | — | 75 | 48 | 46 | — | 72 | 43 | 42 | — | 74 | 45 | 45 |
| 1932 | — | 70 | 44 | 44 | — | 81 | 54 | 57 | — | 78 | 47 | 46 | — | 73 | 42 | 43 |
| 1933 | — | 77 | 46 | 44 | — | 56 | 28 | 26 | — | 75 | 43 | 42 | — | 82 | 51 | 55 |
| 1934 | — | 72 | 44 | 44 | — | 63 | 36 | 35 | — | 52 | 26 | 25 | — | 56 | 32 | 29 |
| 1935 | — | 84 | 67 | 70 | — | 82 | 56 | 59 | — | 72 | 40 | 40 | — | 66 | 40 | 37 |
| 1936 | — | 77 | 53 | 55 | — | 61 | 36 | 34 | — | 55 | 26 | 22 | — | 48 | 25 | 22 |
| 1937 | — | 78 | 53 | 55 | — | 76 | 51 | 47 | — | 75 | 45 | 44 | — | 73 | 45 | 44 |
| 1938 | — | 83 | 61 | 63 | — | 81 | 51 | 51 | — | 74 | 41 | 40 | — | 71 | 37 | 37 |
| 1939 | — | 71 | 42 | 46 | — | 81 | 52 | 46 | 66 | 75 | 41 | 38 | 68 | 77 | 43 | 43 |
| 1940 | 74 | 82 | 48 | 51 | 76 | 81 | 47 | 52 | 74 | 83 | 45 | 45 | 75 | 83 | 49 | 50 |
| 1941 | 84 | 78 | 54 | 56 | 85 | 90 | 58 | 61 | 74 | 83 | 48 | 50 | 82 | 91 | 56 | 54 |
| 1942 | 81 | 85 | 56 | 55 | 86 | 89 | 60 | 63 | 76 | 85 | 47 | 48 | 83 | 88 | 58 | 62 |
| 1943 | 79 | 86 | 64 | 66 | 87 | 87 | 57 | 57 | 74 | 81 | 51 | 49 | 56 | 69 | 40 | 38 |
| 1944 | 79 | 84 | 57 | 59 | 74 | 80 | 53 | 53 | 72 | 82 | 52 | 46 | 76 | 81 | 56 | 53 |
| 1945 | 76 | 83 | 61 | 58 | 80 | 87 | 64 | 60 | 75 | 83 | 51 | 51 | 74 | 86 | 53 | 47 |
| Means | 78.8 | 78.9 | 53.5 | 54.4 | 81.3 | 78.0 | 50.1 | 49.8 | 73.0 | 75.0 | 43.1 | 41.9 | 73.4 | 74.5 | 44.8 | 43.9 |
| Year | September | | | | October | | | | November | | | | December | | | |
| 1931 | — | 69 | 38 | 36 | — | 74 | 49 | 52 | — | 81 | 65 | 66 | — | 78 | 64 | 68 |
| 1932 | — | 70 | 42 | 46 | — | 69 | 41 | 43 | — | 67 | 37 | 41 | — | 80 | 63 | 68 |
| 1933 | — | 82 | 57 | 58 | — | 72 | 42 | 45 | — | 69 | 45 | 48 | — | 74 | 53 | 55 |
| 1934 | — | 79 | 52 | 56 | — | 73 | 45 | 52 | — | 76 | 60 | 67 | — | 84 | 64 | 69 |
| 1935 | — | 77 | 44 | 47 | — | 79 | 59 | 62 | — | 85 | 66 | 75 | — | 78 | 64 | 68 |
| 1936 | — | 76 | 55 | 55 | — | 77 | 56 | 58 | — | 67 | 40 | 42 | — | 83 | 69 | 71 |
| 1937 | — | 74 | 48 | 48 | — | 71 | 44 | 47 | — | 72 | 53 | 55 | — | 80 | 66 | 66 |
| 1938 | — | 72 | 41 | 41 | — | 57 | 35 | 33 | — | 64 | 48 | 48 | — | 63 | 44 | 44 |
| 1939 | 48 | 60 | 31 | 31 | 54 | 64 | 37 | 38 | 69 | 76 | 50 | 54 | 64 | 69 | 46 | 50 |
| 1940 | 76 | 83 | 51 | 59 | 64 | 74 | 41 | 47 | 78 | 84 | 66 | 70 | 88 | 91 | 73 | 80 |
| 1941 | 80 | 87 | 57 | 59 | 89 | 94 | 74 | 89 | 87 | 91 | 67 | 78 | 84 | 89 | 67 | 73 |
| 1942 | 82 | 88 | 61 | 65 | 81 | 84 | 57 | 67 | 75 | 82 | 60 | 69 | 90 | 93 | 77 | 83 |
| 1943 | 70 | 77 | 48 | 48 | 72 | 80 | 49 | 54 | 69 | 77 | 47 | 52 | 76 | 79 | 61 | 69 |
| 1944 | 73 | 83 | 53 | 52 | 73 | 81 | 52 | 57 | 76 | 82 | 54 | 70 | 81 | 83 | 71 | 77 |
| 1945 | 68 | 80 | 57 | 55 | 79 | 84 | 63 | 66 | 60 | 66 | 45 | 45 | 73 | 76 | 66 | 67 |
| Means | 71.0 | 77.1 | 49.0 | 50.4 | 73.1 | 75.5 | 49.6 | 54.0 | 73.4 | 75.9 | 53.5 | 58.7 | 79.4 | 80.0 | 63.2 | 67.2 |
| Year | Annual | | | | | | | | | | | | | | | |
| 1931 | — | 76 | 53 | 54 | | | | | | | | | | | | |
| 1932 | — | 75 | 49 | 51 | | | | | | | | | | | | |
| 1933 | — | 72 | 44 | 45 | | | | | | | | | | | | |
| 1934 | — | 70 | 46 | 48 | | | | | | | | | | | | |
| 1935 | — | 77 | 53 | 56 | | | | | | | | | | | | |
| 1936 | — | 67 | 44 | 44 | | | | | | | | | | | | |
| 1937 | — | 75 | 53 | 53 | | | | | | | | | | | | |
| 1938 | — | 72 | 48 | 47 | | | | | | | | | | | | |
| 1939 | — | 71 | 45 | 45 | | | | | | | | | | | | |
| 1940 | 76 | 83 | 56 | 59 | | | | | | | | | | | | |
| 1941 | 83 | 88 | 63 | 66 | | | | | | | | | | | | |
| 1942 | 82 | 87 | 60 | 63 | | | | | | | | | | | | |
| 1943 | 72 | 79 | 52 | 54 | | | | | | | | | | | | |
| 1944 | 76 | 82 | 59 | 61 | | | | | | | | | | | | |
| 1945 | 75 | 81 | 61 | 60 | | | | | | | | | | | | |
| Means | 77.3 | 77.0 | 52.4 | 53.7 | | | | | | | | | | | | |

AVERAGE RELATIVE HUMIDITY
(Central Standard Time)

KANSAS CITY, MISSOURI

| Year | January | | | | February | | | | March | | | | April | | | |
|-------|-----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|----------|------|------|------|
| | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | | |
| | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. |
| 1931 | — | 78 | 61 | 63 | — | 76 | 59 | 63 | — | 78 | 59 | 62 | — | 75 | 53 | 54 |
| 1932 | — | 81 | 72 | 75 | — | 78 | 59 | 66 | — | 75 | 54 | 61 | — | 70 | 51 | 52 |
| 1933 | — | 67 | 49 | 57 | — | 61 | 45 | 49 | — | 74 | 57 | 59 | — | 68 | 50 | 52 |
| 1934 | — | 81 | 63 | 66 | — | 75 | 50 | 52 | — | 75 | 52 | 50 | — | 68 | 42 | 41 |
| 1935 | — | 82 | 68 | 76 | — | 81 | 66 | 71 | — | 74 | 52 | 53 | — | 79 | 54 | 54 |
| 1936 | — | 82 | 66 | 73 | — | 80 | 63 | 69 | — | 69 | 37 | 41 | — | 66 | 42 | 39 |
| 1937 | — | 81 | 70 | 72 | — | 73 | 61 | 65 | — | 78 | 57 | 63 | — | 78 | 55 | 55 |
| 1938 | — | 75 | 62 | 62 | — | 81 | 70 | 69 | — | 77 | 55 | 53 | — | 78 | 53 | 52 |
| 1939 | 71 | 76 | 60 | 62 | 69 | 68 | 49 | 55 | 69 | 76 | 55 | 54 | 66 | 75 | 50 | 47 |
| 1940 | 78 | 76 | 62 | 70 | 80 | 82 | 70 | 73 | 70 | 76 | 58 | 57 | 64 | 75 | 51 | 50 |
| 1941 | 86 | 85 | 75 | 79 | 71 | 77 | 60 | 60 | 71 | 78 | 51 | 51 | 71 | 76 | 56 | 56 |
| 1942 | 75 | 69 | 56 | 61 | 83 | 85 | 70 | 73 | 68 | 74 | 53 | 54 | 65 | 74 | 53 | 48 |
| 1943 | 75 | 78 | 67 | 72 | 70 | 76 | 53 | 53 | 69 | 74 | 56 | 53 | 65 | 73 | 47 | 45 |
| 1944 | 75 | 81 | 62 | 64 | 78 | 81 | 64 | 61 | 74 | 78 | 64 | 64 | 77 | 83 | 61 | 66 |
| 1945 | 80 | 84 | 73 | 74 | 77 | 80 | 64 | 66 | 70 | 77 | 55 | 53 | 74 | 78 | 57 | 58 |
| Means | 77.1 | 78.4 | 64.4 | 68.4 | 75.4 | 76.9 | 60.2 | 63.0 | 70.1 | 75.5 | 54.3 | 55.2 | 68.9 | 74.4 | 51.7 | 51.3 |
| Year | May | | | | June | | | | July | | | | August | | | |
| | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | | |
| | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. |
| 1931 | — | 74 | 54 | 55 | — | 68 | 49 | 49 | — | 67 | 46 | 47 | — | 77 | 51 | 55 |
| 1932 | — | 66 | 49 | 50 | — | 77 | 51 | 56 | — | 73 | 51 | 53 | — | 72 | 50 | 57 |
| 1933 | — | 76 | 57 | 59 | — | 57 | 36 | 35 | — | 68 | 48 | 45 | — | 77 | 54 | 58 |
| 1934 | — | 71 | 40 | 40 | — | 67 | 39 | 37 | — | 56 | 30 | 29 | — | 66 | 37 | 37 |
| 1935 | — | 89 | 70 | 73 | — | 83 | 58 | 62 | — | 76 | 44 | 46 | — | 74 | 48 | 50 |
| 1936 | — | 76 | 46 | 56 | — | 62 | 36 | 36 | — | 61 | 28 | 26 | — | 60 | 34 | 33 |
| 1937 | — | 83 | 56 | 55 | — | 81 | 56 | 57 | — | 78 | 45 | 46 | — | 78 | 47 | 48 |
| 1938 | — | 84 | 58 | 63 | — | 82 | 56 | 58 | — | 77 | 46 | 44 | — | 79 | 47 | 48 |
| 1939 | 66 | 74 | 46 | 43 | 78 | 84 | 57 | 54 | 66 | 71 | 44 | 44 | 73 | 83 | 53 | 52 |
| 1940 | 70 | 78 | 47 | 48 | 70 | 79 | 54 | 52 | 63 | 74 | 45 | 41 | 76 | 85 | 56 | 58 |
| 1941 | 72 | 77 | 48 | 52 | 76 | 81 | 56 | 56 | 72 | 78 | 50 | 52 | 76 | 84 | 56 | 55 |
| 1942 | 75 | 79 | 56 | 58 | 79 | 84 | 61 | 61 | 72 | 80 | 53 | 52 | 78 | 84 | 58 | 60 |
| 1943 | 76 | 79 | 59 | 60 | 77 | 83 | 63 | 59 | 73 | 80 | 50 | 50 | 70 | 75 | 54 | 52 |
| 1944 | 75 | 81 | 55 | 57 | 74 | 77 | 56 | 56 | 71 | 80 | 49 | 48 | 78 | 83 | 62 | 59 |
| 1945 | 75 | 79 | 58 | 58 | 81 | 81 | 65 | 64 | 71 | 79 | 51 | 48 | 68 | 78 | 50 | 46 |
| Means | 72.7 | 77.7 | 53.3 | 55.1 | 76.4 | 76.4 | 52.9 | 52.8 | 69.7 | 73.2 | 45.3 | 44.7 | 74.1 | 77.0 | 50.5 | 51.2 |
| Year | September | | | | October | | | | November | | | | December | | | |
| | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | | |
| | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. |
| 1931 | — | 72 | 48 | 54 | — | 78 | 59 | 61 | — | 81 | 67 | 68 | — | 83 | 69 | 75 |
| 1932 | — | 69 | 42 | 49 | — | 72 | 53 | 55 | — | 72 | 52 | 55 | — | 74 | 62 | 66 |
| 1933 | — | 76 | 53 | 58 | — | 70 | 45 | 49 | — | 61 | 49 | 50 | — | 69 | 58 | 56 |
| 1934 | — | 90 | 56 | 53 | — | 82 | 45 | 55 | — | 84 | 61 | 70 | — | 84 | 73 | 79 |
| 1935 | — | 82 | 51 | 56 | — | 84 | 59 | 67 | — | 83 | 71 | 75 | — | 78 | 61 | 68 |
| 1936 | — | 83 | 58 | 60 | — | 78 | 54 | 62 | — | 74 | 44 | 51 | — | 81 | 67 | 73 |
| 1937 | — | 75 | 42 | 40 | — | 74 | 45 | 49 | — | 72 | 55 | 58 | — | 82 | 72 | 72 |
| 1938 | — | 84 | 49 | 50 | — | 69 | 37 | 39 | — | 67 | 48 | 49 | — | 74 | 54 | 56 |
| 1939 | 55 | 69 | 35 | 34 | 56 | 65 | 41 | 41 | 74 | 81 | 57 | 62 | 69 | 76 | 54 | 55 |
| 1940 | 74 | 84 | 48 | 51 | 66 | 75 | 46 | 49 | 75 | 78 | 64 | 64 | 78 | 83 | 69 | 72 |
| 1941 | 76 | 83 | 58 | 61 | 81 | 87 | 67 | 70 | 76 | 80 | 61 | 67 | 75 | 78 | 64 | 67 |
| 1942 | 77 | 84 | 59 | 64 | 72 | 80 | 50 | 57 | 74 | 79 | 64 | 67 | 82 | 84 | 73 | 77 |
| 1943 | 76 | 82 | 48 | 52 | 74 | 83 | 47 | 53 | 75 | 81 | 52 | 57 | 77 | 80 | 64 | 66 |
| 1944 | 74 | 81 | 53 | 58 | 72 | 81 | 47 | 50 | 75 | 76 | 64 | 66 | 80 | 81 | 71 | 72 |
| 1945 | 74 | 81 | 55 | 59 | 75 | 81 | 49 | 57 | 69 | 74 | 54 | 52 | 76 | 80 | 68 | 69 |
| Means | 72.3 | 79.7 | 50.3 | 53.3 | 70.9 | 77.3 | 49.6 | 54.3 | 74.0 | 76.2 | 57.5 | 60.7 | 76.7 | 79.1 | 65.3 | 68.2 |
| Year | Annual | | | | | | | | | | | | | | | |
| | 12:30 | 6:30 | 12:30 | 6:30 | | | | | | | | | | | | |
| | a.m. | a.m. | p.m. | p.m. | | | | | | | | | | | | |
| 1931 | — | 76 | 56 | 59 | | | | | | | | | | | | |
| 1932 | — | 73 | 54 | 58 | | | | | | | | | | | | |
| 1933 | — | 69 | 50 | 52 | | | | | | | | | | | | |
| 1934 | — | 75 | 49 | 52 | | | | | | | | | | | | |
| 1935 | — | 80 | 58 | 63 | | | | | | | | | | | | |
| 1936 | — | 73 | 48 | 52 | | | | | | | | | | | | |
| 1937 | — | 78 | 55 | 57 | | | | | | | | | | | | |
| 1938 | — | 77 | 53 | 54 | | | | | | | | | | | | |
| 1939 | 68 | 75 | 50 | 50 | | | | | | | | | | | | |
| 1940 | 72 | 79 | 56 | 57 | | | | | | | | | | | | |
| 1941 | 75 | 80 | 58 | 60 | | | | | | | | | | | | |
| 1942 | 75 | 80 | 59 | 61 | | | | | | | | | | | | |
| 1943 | 73 | 79 | 55 | 56 | | | | | | | | | | | | |
| 1944 | 75 | 80 | 59 | 60 | | | | | | | | | | | | |
| 1945 | 74 | 79 | 58 | 59 | | | | | | | | | | | | |
| Means | 73.1 | 76.9 | 54.5 | 56.7 | | | | | | | | | | | | |

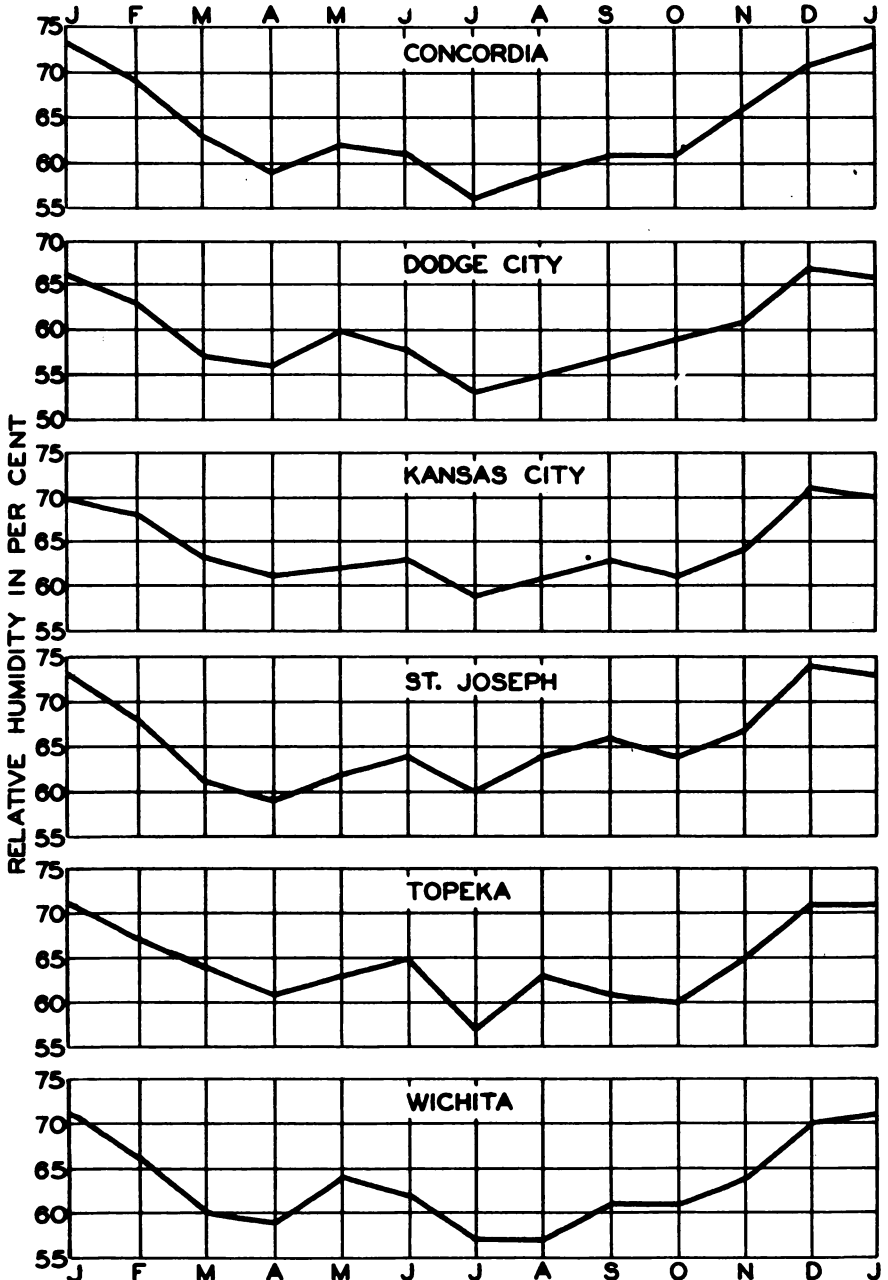
AVERAGE RELATIVE HUMIDITY
(Central Standard Time)

S. T. JOSEPH, MISSOURI

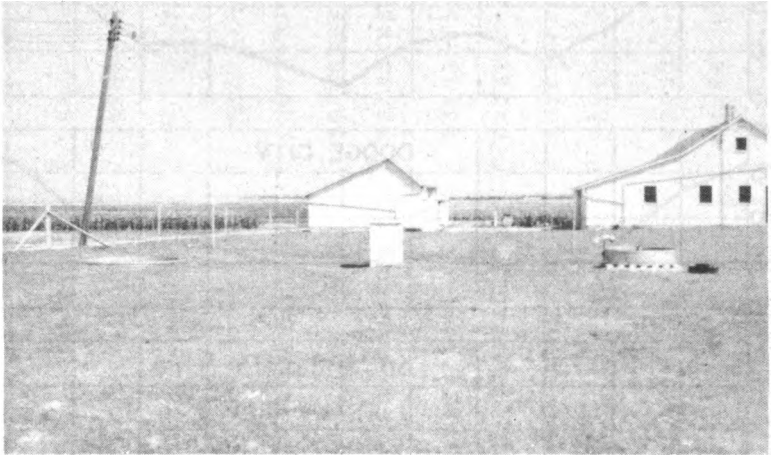
| Year | January | | | | February | | | | March | | | | April | | | |
|-------|-----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|----------|------|------|------|
| | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | 12:30 | 6:30 | | |
| | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. | a.m. | a.m. | p.m. | p.m. |
| 1931 | — | 81 | 60 | 65 | — | 78 | 55 | 59 | — | 79 | 56 | 60 | — | 77 | 52 | 53 |
| 1932 | — | 87 | 74 | 80 | — | 83 | 61 | 67 | — | 81 | 59 | 61 | — | 75 | 49 | 51 |
| 1933 | — | 73 | 52 | 56 | — | 72 | 48 | 53 | — | 77 | 56 | 59 | — | 68 | 43 | 48 |
| 1934 | — | 82 | 63 | 66 | — | 76 | 48 | 51 | — | 73 | 46 | 46 | — | 63 | 38 | 35 |
| 1935 | — | 84 | 69 | 75 | — | 82 | 67 | 72 | — | 73 | 51 | 53 | — | 77 | 54 | 53 |
| 1936 | — | 85 | 71 | 80 | — | 84 | 64 | 72 | — | 67 | 38 | 41 | — | 62 | 40 | 41 |
| 1937 | — | 82 | 66 | 71 | — | 76 | 61 | 70 | — | 76 | 58 | 64 | — | 80 | 56 | 54 |
| 1938 | — | 79 | 59 | 57 | — | 84 | 66 | 68 | — | 75 | 52 | 53 | — | 76 | 54 | 50 |
| 1939 | — | 79 | 61 | 63 | — | 73 | 50 | 56 | — | 75 | 54 | 59 | — | 76 | 51 | 46 |
| 1940 | 87 | 88 | 77 | 86 | 88 | 90 | 81 | 85 | 81 | 85 | 64 | 67 | 76 | 79 | 55 | 56 |
| 1941 | 92 | 95 | 80 | 85 | 85 | 87 | 69 | 73 | 85 | 88 | 57 | 62 | 83 | 84 | 61 | 63 |
| 1942 | 92 | 94 | 70 | 83 | 94 | 96 | 77 | 85 | 85 | 89 | 62 | 69 | 77 | 86 | 58 | 55 |
| 1943 | 84 | 86 | 66 | 78 | 80 | 85 | 55 | 62 | 75 | 79 | 55 | 56 | 66 | 72 | 44 | 42 |
| 1944 | 84 | 87 | 67 | 72 | 80 | 85 | 65 | 63 | 79 | 81 | 68 | 67 | 81 | 88 | 67 | 68 |
| 1945 | 83 | 86 | 75 | 78 | 79 | 82 | 67 | 71 | 75 | 81 | 55 | 58 | 79 | 83 | 59 | 61 |
| Means | 87.0 | 84.3 | 67.3 | 73.0 | 84.3 | 82.2 | 62.3 | 67.1 | 80.0 | 78.6 | 55.4 | 58.3 | 77.0 | 76.4 | 52.1 | 51.7 |
| Year | May | | | | June | | | | July | | | | August | | | |
| 1931 | — | 79 | 53 | 55 | — | 75 | 53 | 52 | — | 72 | 48 | 51 | — | 85 | 54 | 58 |
| 1932 | — | 71 | 48 | 48 | — | 83 | 59 | 63 | — | 77 | 56 | 57 | — | 81 | 52 | 59 |
| 1933 | — | 80 | 57 | 60 | — | 65 | 40 | 39 | — | 74 | 48 | 47 | — | 80 | 56 | 60 |
| 1934 | — | 66 | 38 | 40 | — | 67 | 41 | 42 | — | 55 | 30 | 28 | — | 64 | 40 | 40 |
| 1935 | — | 87 | 68 | 72 | — | 84 | 59 | 60 | — | 77 | 46 | 48 | — | 76 | 49 | 53 |
| 1936 | — | 78 | 53 | 58 | — | 67 | 41 | 42 | — | 57 | 31 | 28 | — | 64 | 36 | 38 |
| 1937 | — | 82 | 56 | 59 | — | 83 | 55 | 54 | — | 78 | 49 | 48 | — | 79 | 51 | 50 |
| 1938 | — | 85 | 58 | 60 | — | 84 | 54 | 52 | — | 78 | 47 | 43 | — | 81 | 53 | 52 |
| 1939 | — | 74 | 43 | 40 | — | 87 | 56 | 52 | 81 | 88 | 55 | 56 | 86 | 90 | 56 | 57 |
| 1940 | 80 | 84 | 51 | 52 | 87 | 86 | 59 | 63 | 78 | 85 | 53 | 51 | 89 | 94 | 62 | 68 |
| 1941 | 85 | 87 | 59 | 63 | 92 | 93 | 65 | 68 | 86 | 88 | 56 | 65 | 90 | 93 | 61 | 65 |
| 1942 | 89 | 91 | 64 | 70 | 92 | 94 | 66 | 70 | 87 | 92 | 57 | 58 | 90 | 96 | 59 | 69 |
| 1943 | 78 | 82 | 60 | 58 | 82 | 87 | 60 | 62 | 79 | 84 | 49 | 52 | 77 | 81 | 54 | 55 |
| 1944 | 80 | 86 | 57 | 58 | 78 | 80 | 61 | 59 | 78 | 82 | 52 | 51 | 84 | 88 | 63 | 66 |
| 1945 | 81 | 84 | 61 | 62 | 84 | 88 | 65 | 64 | 79 | 86 | 54 | 52 | 76 | 82 | 54 | 54 |
| Means | 82.2 | 81.1 | 55.1 | 57.0 | 85.8 | 81.5 | 55.6 | 56.1 | 81.1 | 78.2 | 48.7 | 49.0 | 84.6 | 82.3 | 53.3 | 56.3 |
| Year | September | | | | October | | | | November | | | | December | | | |
| 1931 | — | 76 | 53 | 61 | — | 83 | 58 | 66 | — | 86 | 68 | 75 | — | 88 | 71 | 78 |
| 1932 | — | 76 | 44 | 53 | — | 77 | 49 | 56 | — | 71 | 49 | 53 | — | 84 | 64 | 71 |
| 1933 | — | 84 | 53 | 60 | — | 77 | 44 | 53 | — | 66 | 46 | 52 | — | 77 | 57 | 58 |
| 1934 | — | 87 | 59 | 65 | — | 78 | 46 | 54 | — | 81 | 63 | 72 | — | 85 | 73 | 78 |
| 1935 | — | 82 | 52 | 59 | — | 83 | 58 | 66 | — | 86 | 70 | 77 | — | 82 | 64 | 70 |
| 1936 | — | 84 | 58 | 61 | — | 77 | 54 | 64 | — | 72 | 44 | 52 | — | 82 | 67 | 74 |
| 1937 | — | 73 | 42 | 40 | — | 72 | 46 | 50 | — | 73 | 54 | 57 | — | 86 | 71 | 72 |
| 1938 | — | 80 | 47 | 48 | — | 65 | 35 | 38 | — | 70 | 48 | 49 | — | 79 | 52 | 57 |
| 1939 | 63 | 75 | 37 | 40 | 72 | 80 | 44 | 49 | 84 | 87 | 59 | 71 | 79 | 84 | 60 | 67 |
| 1940 | 88 | 92 | 54 | 66 | 81 | 90 | 48 | 60 | 87 | 88 | 66 | 76 | 90 | 94 | 74 | 81 |
| 1941 | 88 | 92 | 61 | 69 | 93 | 96 | 72 | 82 | 92 | 94 | 71 | 80 | 91 | 92 | 73 | 83 |
| 1942 | 90 | 94 | 63 | 73 | 83 | 89 | 50 | 63 | 85 | 86 | 65 | 76 | 89 | 92 | 77 | 86 |
| 1943 | 81 | 85 | 50 | 55 | 77 | 85 | 49 | 56 | 82 | 84 | 60 | 67 | 83 | 86 | 66 | 76 |
| 1944 | 83 | 89 | 55 | 64 | 82 | 87 | 48 | 57 | 80 | 83 | 67 | 74 | 86 | 89 | 73 | 78 |
| 1945 | 78 | 87 | 57 | 62 | 83 | 86 | 51 | 64 | 76 | 80 | 52 | 60 | 77 | 81 | 69 | 73 |
| Means | 81.6 | 83.7 | 52.3 | 58.4 | 81.6 | 81.7 | 50.1 | 58.5 | 83.7 | 80.5 | 58.8 | 66.1 | 85.0 | 85.4 | 67.4 | 73.5 |
| Year | Annual | | | | | | | | | | | | | | | |
| 1931 | — | 80 | 57 | 61 | | | | | | | | | | | | |
| 1932 | — | 79 | 55 | 60 | | | | | | | | | | | | |
| 1933 | — | 74 | 50 | 54 | | | | | | | | | | | | |
| 1934 | — | 73 | 49 | 51 | | | | | | | | | | | | |
| 1935 | — | 81 | 59 | 63 | | | | | | | | | | | | |
| 1936 | — | 73 | 50 | 54 | | | | | | | | | | | | |
| 1937 | — | 78 | 55 | 57 | | | | | | | | | | | | |
| 1938 | — | 78 | 52 | 52 | | | | | | | | | | | | |
| 1939 | 78 | 80 | 52 | 55 | | | | | | | | | | | | |
| 1940 | 84 | 88 | 62 | 68 | | | | | | | | | | | | |
| 1941 | 88 | 91 | 65 | 72 | | | | | | | | | | | | |
| 1942 | 88 | 92 | 64 | 71 | | | | | | | | | | | | |
| 1943 | 79 | 83 | 56 | 60 | | | | | | | | | | | | |
| 1944 | 81 | 85 | 62 | 65 | | | | | | | | | | | | |
| 1945 | 79 | 84 | 60 | 63 | | | | | | | | | | | | |
| Means | 82.4 | 81.3 | 56.5 | 60.4 | | | | | | | | | | | | |

MEAN RELATIVE HUMIDITY

FIGURES ARE THE MEAN OF MORNING, NOON, & EVENING OBSERVATIONS.



EVAPORATION STATION



This picture, taken at the Experiment Farm, Hays, Kansas, shows the two types of exposures in use for evaporation measurements. At other places only one type of pan is in use, as indicated in the foot notes giving tabulations of amounts, on the following pages.

On the right is shown the standard Weather Bureau exposure; a pan 48 inches in diameter and 10 inches deep, set on a wooden platform that holds the bottom of the pan approximately 4 inches above ground. It is kept filled with water to a depth of approximately $7\frac{1}{2}$ inches.

On the left is the standard pan of the Office of Dry Land Agriculture, which is 72 inches in diameter and 24 inches deep and is set in the ground to a depth of 20 inches. It is kept filled with water to a depth of approximately 20 inches. This pan normally registers less evaporation than the one set above ground.

Wind movement across each pan is determined by an anemometer with cups slightly above the level of the top of the pan.

EVAPORATION DATA

IN INCHES

C O L B Y *

(Period of Record -- 1914-1945.)

| | Apr. | May | June | July | Aug. | Sept. | Oct. |
|-----------------------|-------|-------|--------|--------|--------|-------|------|
| Mean Monthly | 4.876 | 6.354 | 7.818 | 9.552 | 8.245 | 6.310 | --- |
| Maximum Monthly | 6.925 | 9.421 | 11.217 | 13.541 | 10.649 | 8.919 | --- |
| Minimum Monthly | 2.894 | 4.064 | 5.228 | 5.980 | 5.261 | 4.711 | --- |

G A R D E N C I T Y *

(Period of Record -- 1908-1945.)

| | | | | | | | |
|-----------------------|-------|--------|--------|--------|--------|--------|-----|
| Mean Monthly | 6.474 | 8.308 | 10.010 | 11.689 | 10.350 | 8.015 | --- |
| Maximum Monthly | 9.661 | 11.232 | 13.363 | 16.696 | 14.584 | 11.404 | --- |
| Minimum Monthly | 2.807 | 5.660 | 6.563 | 7.800 | 5.920 | 6.034 | --- |

H A Y S *

(Period of Record -- 1907-1945.)

| | | | | | | | |
|-----------------------|-------|--------|--------|--------|--------|--------|-----|
| Mean Monthly | 5.683 | 6.817 | 8.413 | 10.441 | 9.473 | 7.353 | --- |
| Maximum Monthly | 8.339 | 10.740 | 13.981 | 16.322 | 14.450 | 11.634 | --- |
| Minimum Monthly | 3.247 | 4.528 | 4.965 | 7.059 | 5.381 | 5.494 | --- |

H A Y S

(Period of Record -- 1937-1945.)

| | | | | | | | |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|
| Mean Monthly | 7.685 | 9.792 | 12.203 | 15.565 | 13.880 | 10.697 | 7.108 |
| Maximum Monthly | 10.171 | 14.307 | 16.473 | 20.581 | 18.889 | 16.736 | 11.381 |
| Minimum Monthly | 4.750 | 7.385 | 7.203 | 12.055 | 10.323 | 7.657 | 4.446 |

L A W R E N C E

(Period of Record -- 1916-1919.)

| | | | | | | | |
|-----------------------|-------|-------|-------|--------|--------|-------|-------|
| Mean Monthly | 5.251 | 6.606 | 7.837 | 9.882 | 9.210 | 6.856 | 4.269 |
| Maximum Monthly | 5.681 | 8.453 | 9.325 | 11.061 | 12.020 | 7.761 | 5.228 |
| Minimum Monthly | 4.821 | 5.664 | 5.802 | 8.703 | 7.006 | 5.445 | 3.465 |

M A N H A T T A N

(Periods of Record -- 1925-1929; 1938-1945.)

| | | | | | | | |
|-----------------------|-------|--------|--------|--------|--------|--------|-------|
| Mean Monthly | 6.194 | 7.628 | 8.881 | 10.600 | 9.090 | 7.240 | 4.899 |
| Maximum Monthly | 8.911 | 10.329 | 10.852 | 15.228 | 13.897 | 12.516 | 9.149 |
| Minimum Monthly | 4.379 | 4.436 | 5.619 | 7.529 | 5.589 | 4.942 | 2.900 |

T R I B U N E

(Period of Record -- 1916-1945.)

| | | | | | | | |
|-----------------------|-------|--------|--------|--------|--------|--------|-------|
| Mean Monthly | 7.082 | 9.209 | 11.172 | 12.973 | 11.438 | 8.588 | 6.205 |
| Maximum Monthly | 9.404 | 13.540 | 16.194 | 16.715 | 14.510 | 13.974 | 8.001 |
| Minimum Monthly | 3.348 | 6.120 | 7.065 | 7.732 | 8.087 | 6.300 | 3.675 |

W I C H I T A

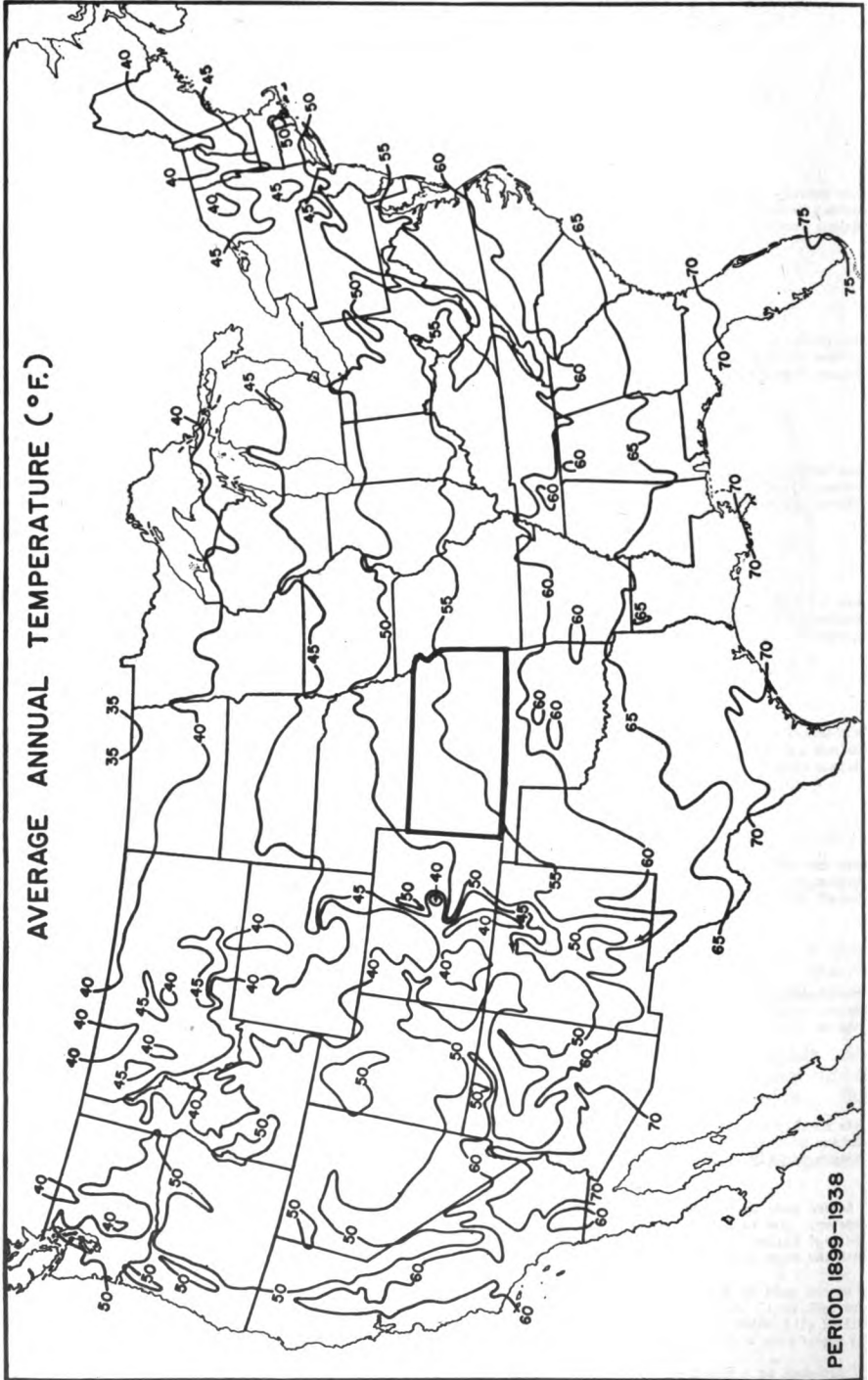
(Period of Record -- 1918-1927.)

| | | | | | | | |
|-----------------------|-------|-------|--------|--------|--------|-------|-------|
| Mean Monthly | 6.150 | 7.023 | 9.009 | 9.889 | 10.363 | 7.774 | 5.693 |
| Maximum Monthly | 7.289 | 8.571 | 11.671 | 10.961 | 13.444 | 9.459 | 8.218 |
| Minimum Monthly | 4.775 | 5.884 | 6.665 | 8.243 | 7.196 | 6.472 | 3.437 |

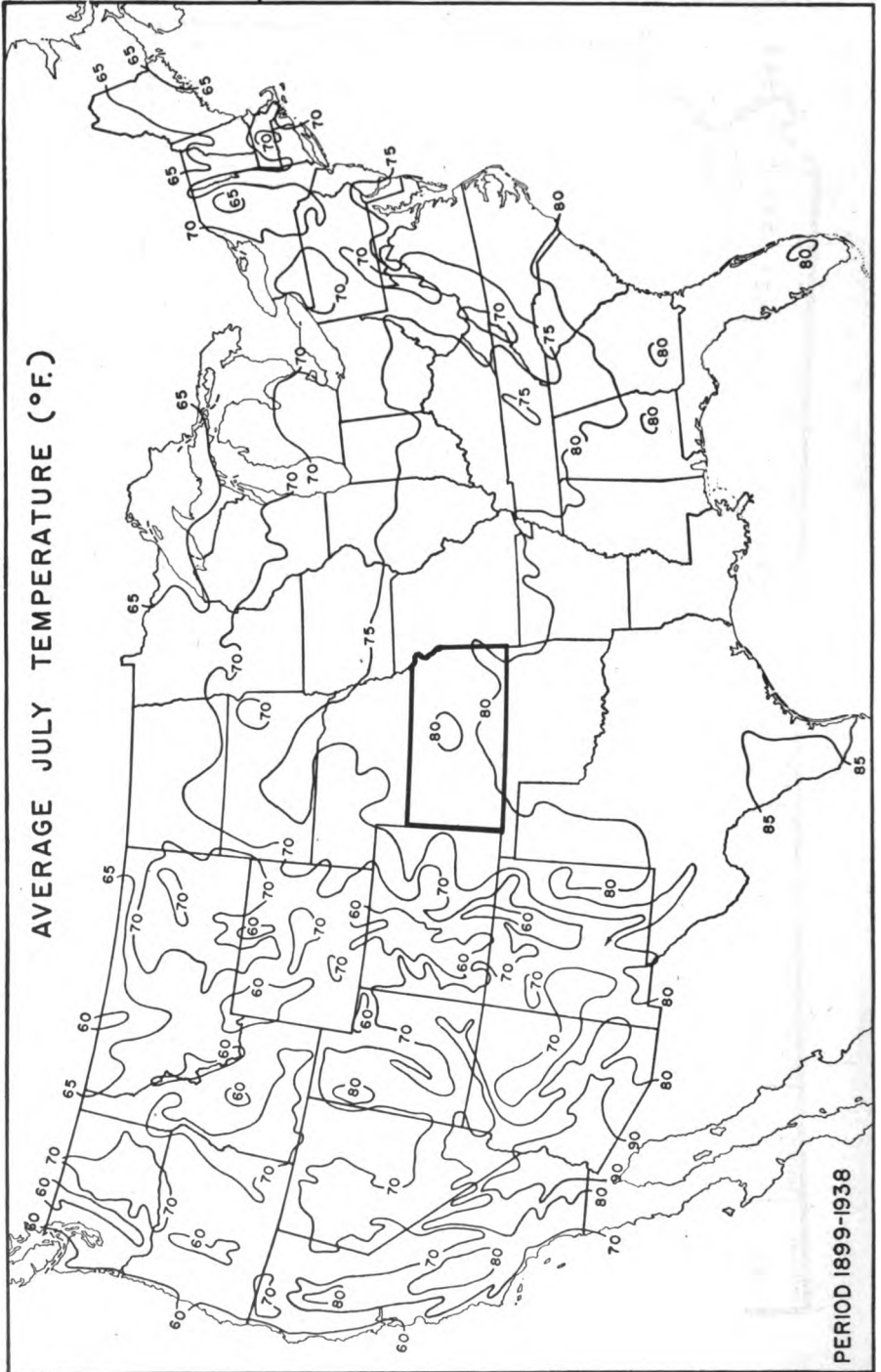
* Record made by Bureau of Plant Industry. The evaporation apparatus consists of a galvanized tank and anemometer. The tank is 24 inches deep and 72 inches in diameter, set in the ground to a depth of 20 inches and kept filled to approximately the ground level. The 4-cup anemometer is mounted on a stand near the tank with the cups about 24 inches above the ground level.

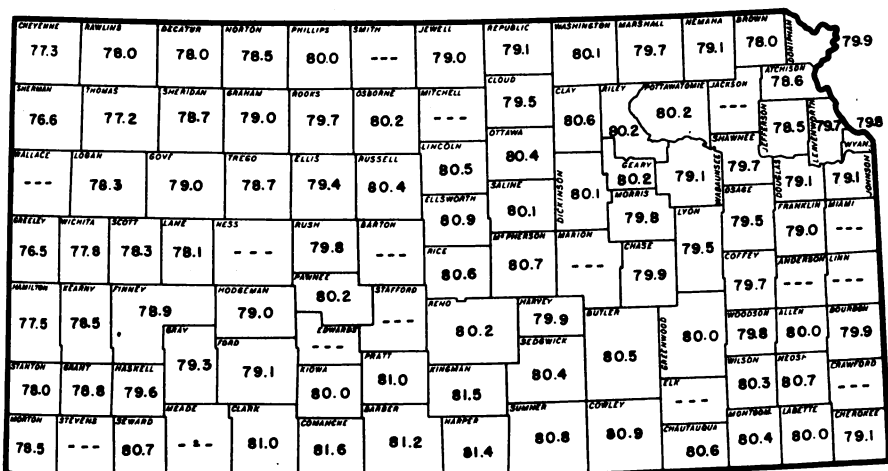
Record made by Weather Bureau. The evaporation apparatus consists of a galvanized tank and anemometer. The tank is 10 inches deep and 48 inches in diameter, mounted on a platform 4 inches above ground and kept filled with water to a depth of approximately 8 inches. The 4-cup anemometer for measuring wind movement is mounted on a stand near the tank with the cups about 20 inches above ground level.

// Adjusted to a complete month.



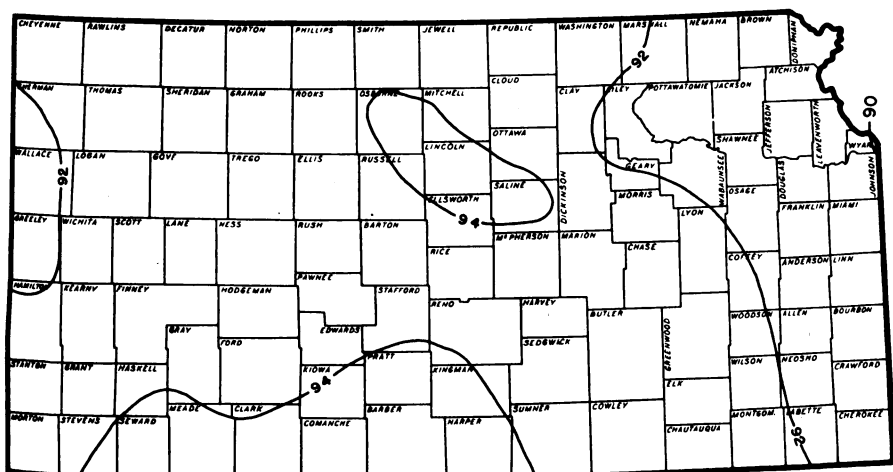
PERIOD 1899-1938





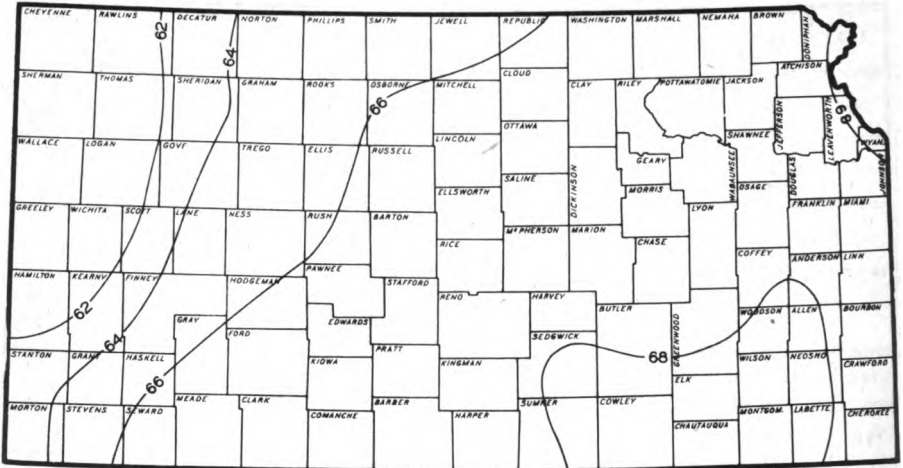
NORMAL JULY MEAN TEMPERATURES

(Computed from records covering period 1898 to 1942)



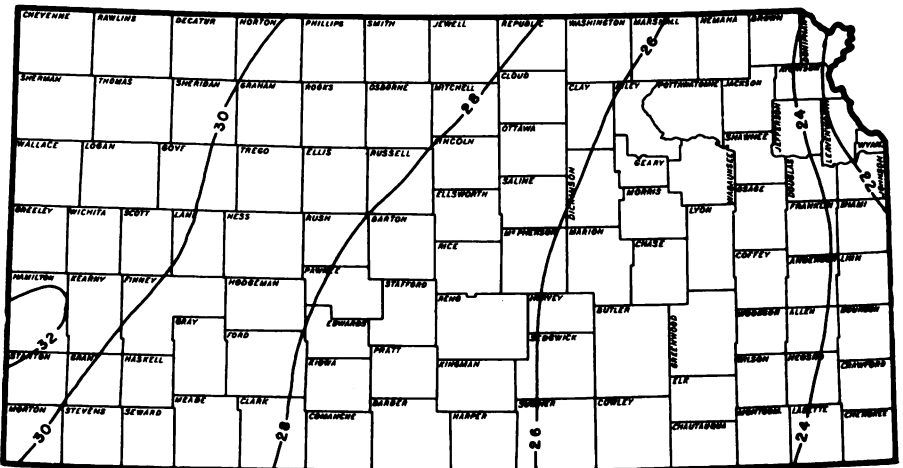
AVERAGE MAXIMUM TEMPERATURES — JULY

(Computed from records covering period 1898 to 1942)



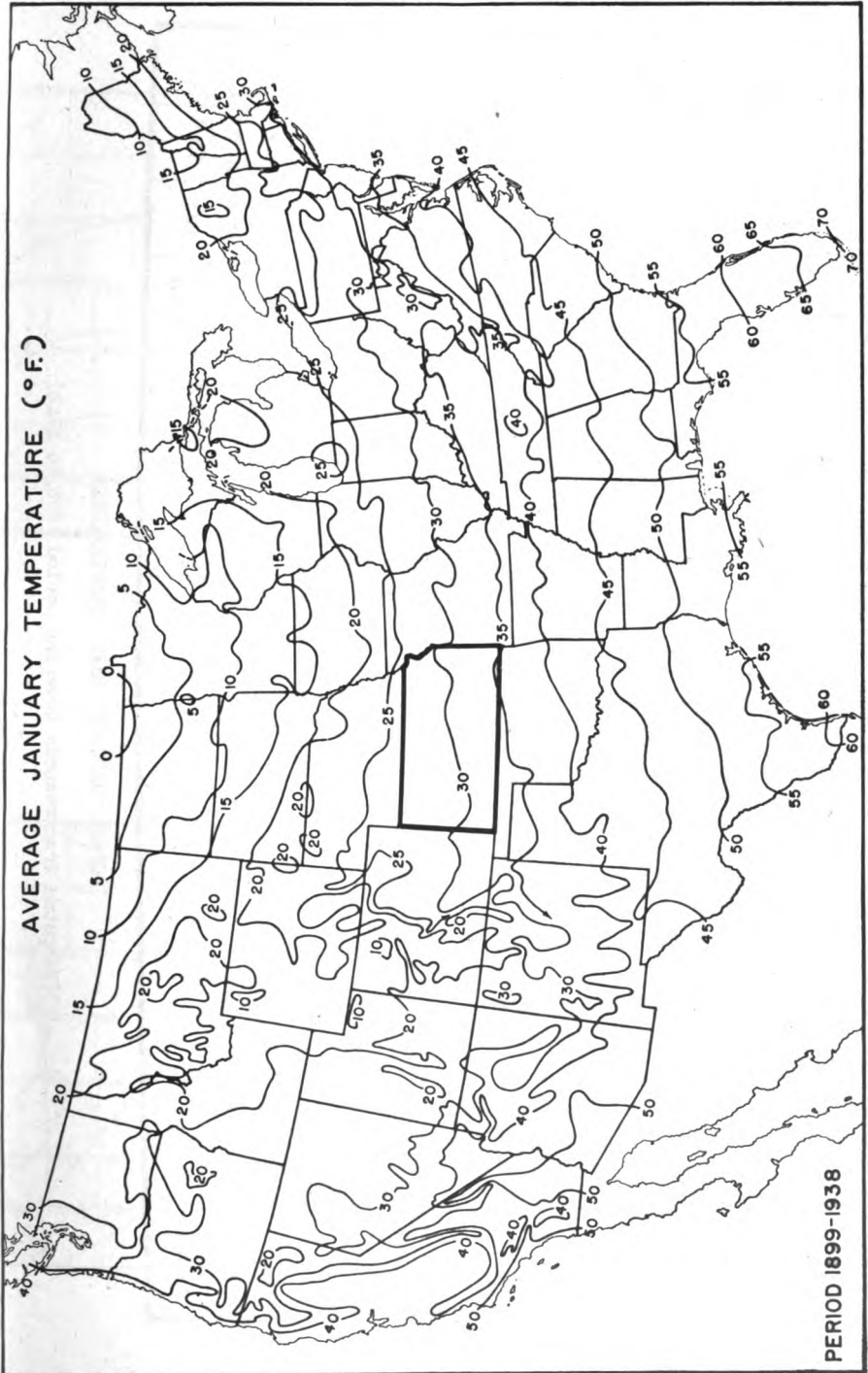
AVERAGE MINIMUM TEMPERATURES — JULY

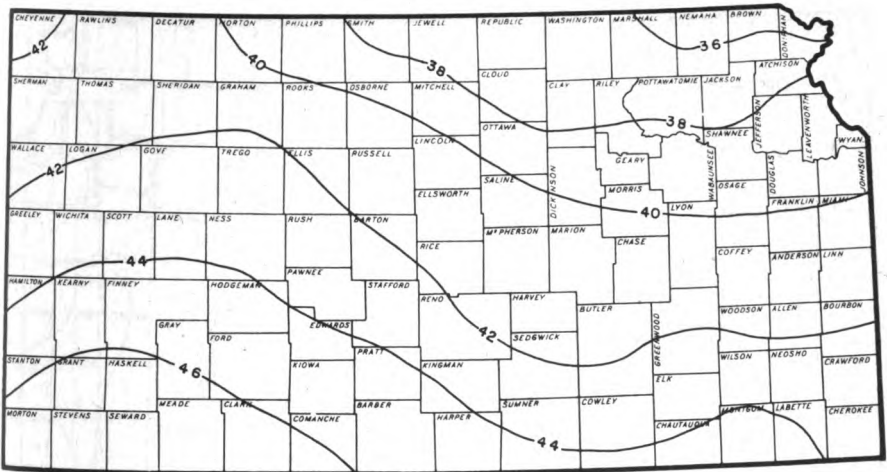
(Computed from records covering period 1898 to 1942)



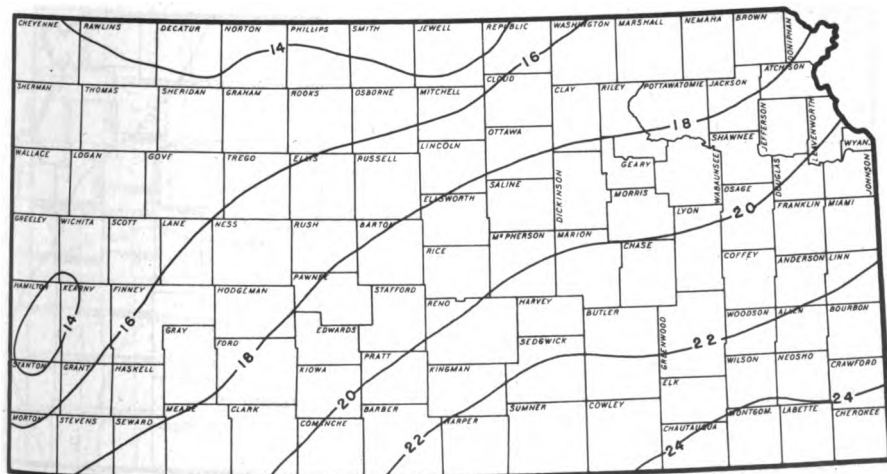
AVERAGE DAILY RANGE OF TEMPERATURE — JULY

(Computed from records covering period 1898 to 1942)

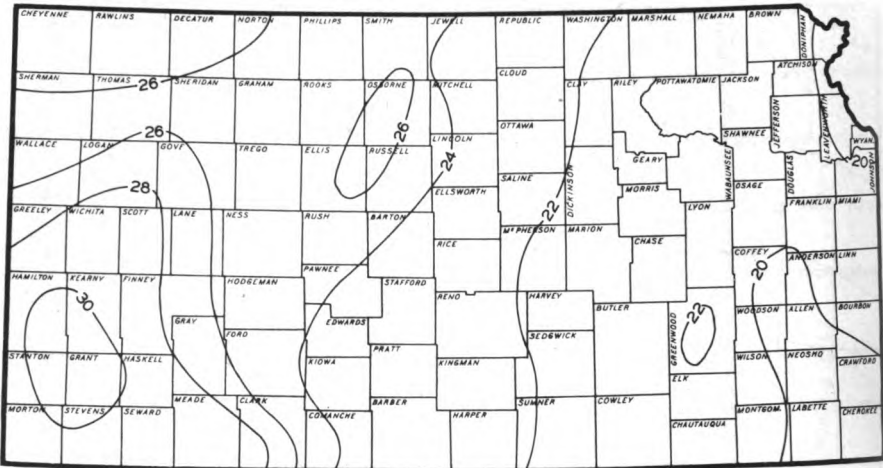




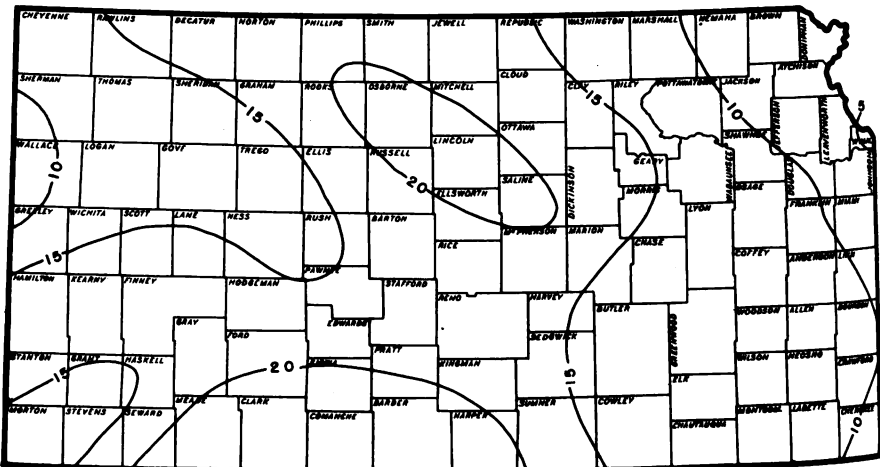
AVERAGE MAXIMUM TEMPERATURES — JANUARY
 (Computed from records covering period 1898 to 1942)



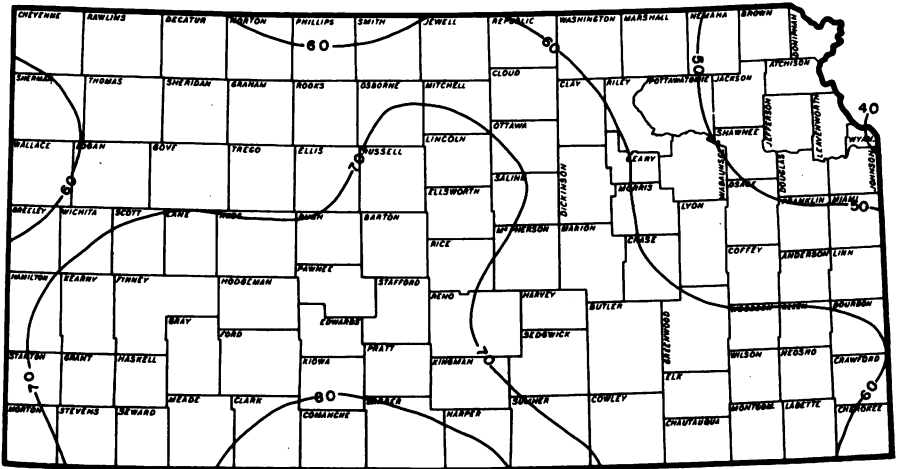
AVERAGE MINIMUM TEMPERATURES — JANUARY
 (Computed from records covering period 1898 to 1942)



AVERAGE DAILY RANGE OF TEMPERATURE — JANUARY
(Computed from records covering period 1898 to 1942)

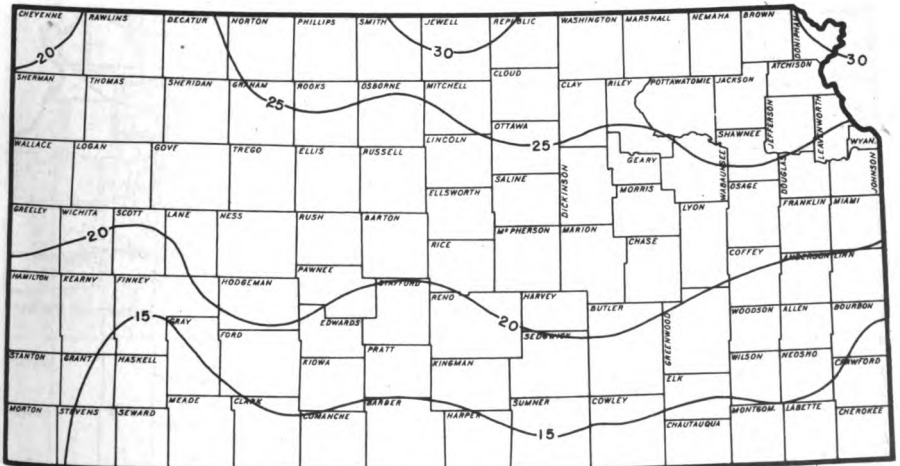


AVERAGE ANNUAL NUMBER OF DAYS WITH A MAXIMUM TEMPERATURE OF 100° OR HIGHER
(Based on 41 selected stations. Period, 1898-1942)



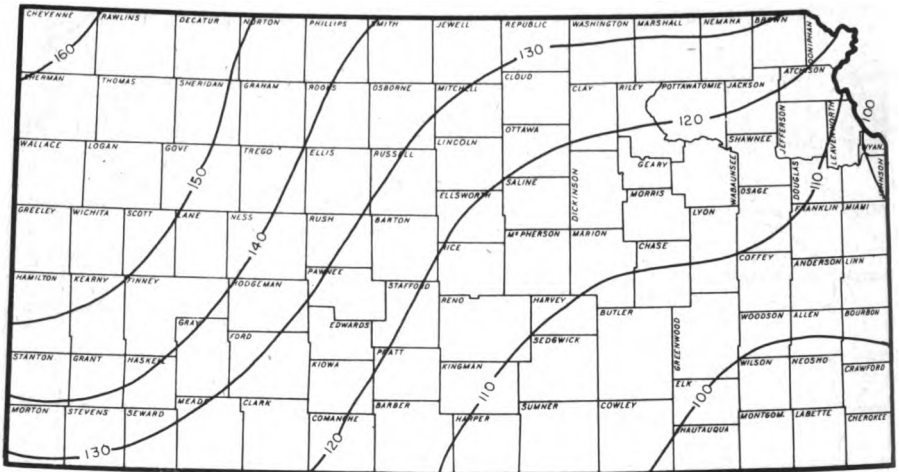
AVERAGE ANNUAL NUMBER OF DAYS WITH A MAXIMUM TEMPERATURE OF 90° OR HIGHER

(Based on 41 selected stations. Period, 1898-1942)



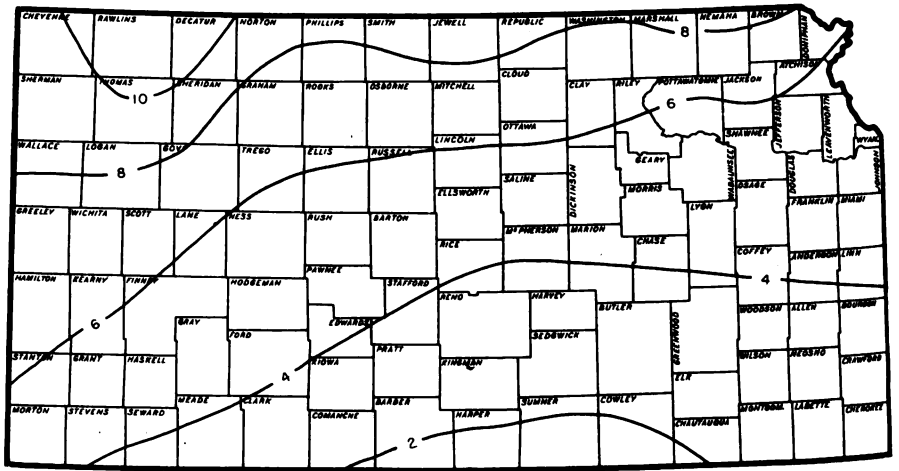
AVERAGE ANNUAL NUMBER OF DAYS WITH A MAXIMUM TEMPERATURE OF 32° OR LOWER

(Based on 41 selected stations. Period, 1898-1942)



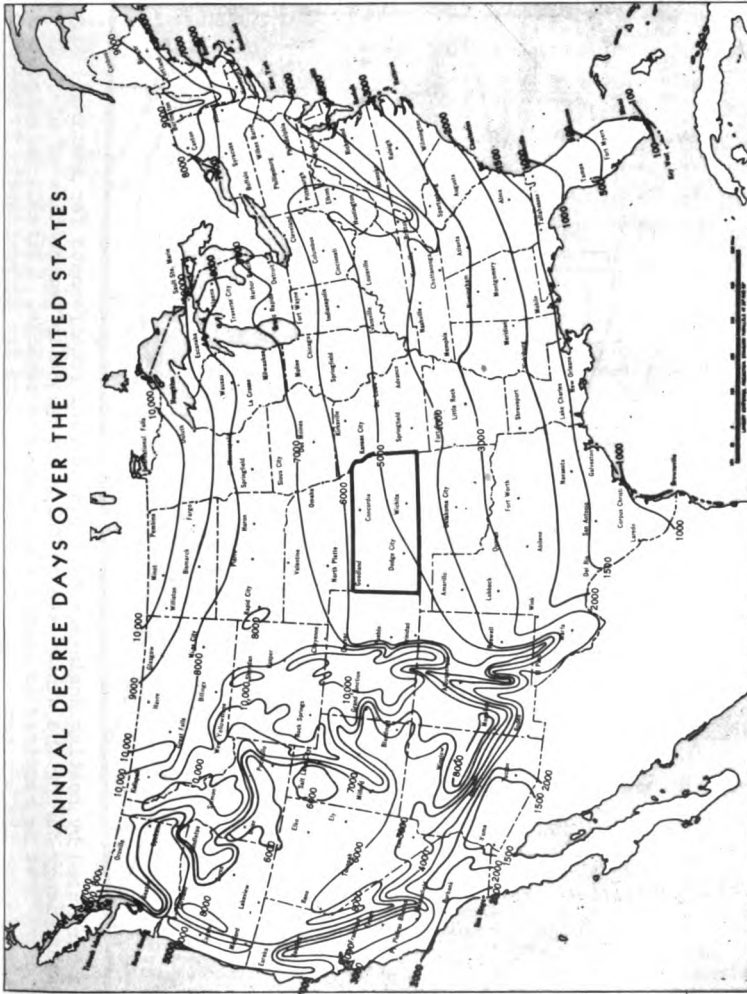
AVERAGE ANNUAL NUMBER OF DAYS WITH A MINIMUM TEMPERATURE OF 32° OR LOWER

(Based on 41 selected stations. Period, 1898-1942)



AVERAGE ANNUAL NUMBER OF DAYS WITH A MINIMUM TEMPERATURE OF ZERO OR LOWER

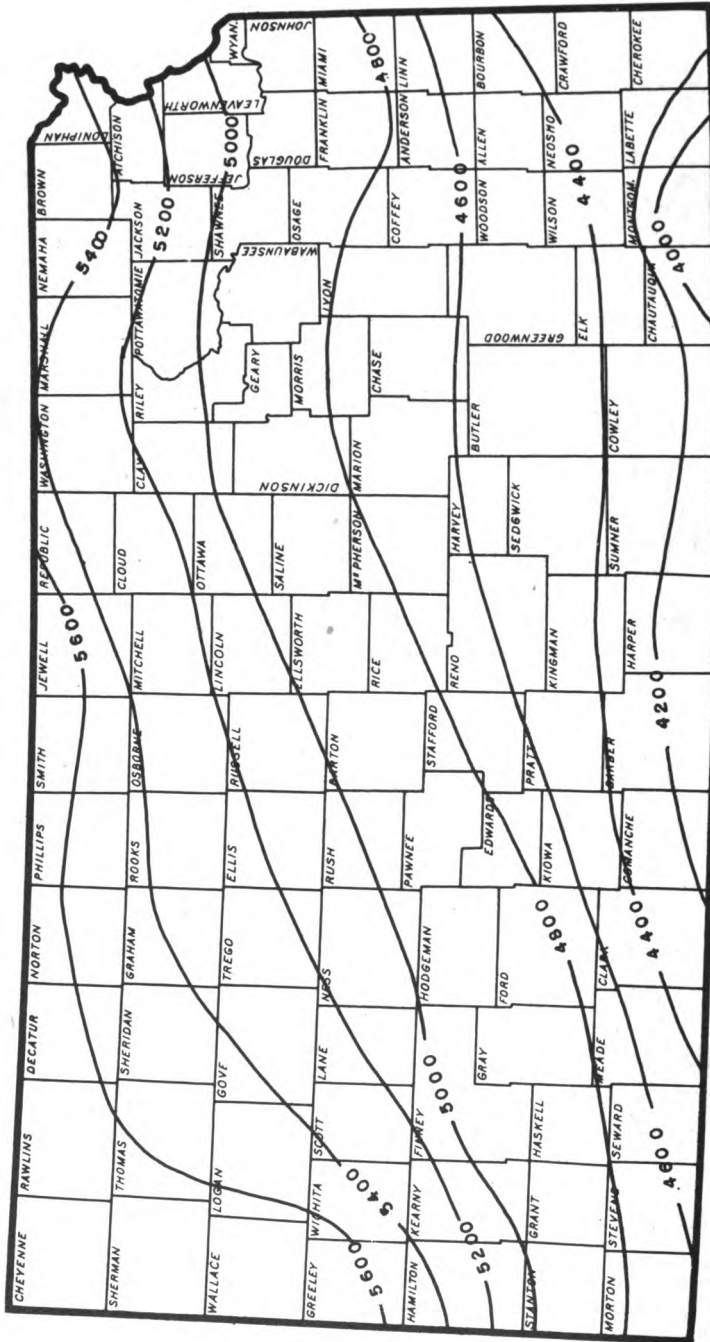
(Based on 41 selected stations. Period, 1898-1942)



Degree days is a term used by heating engineers to indicate fuel requirements for heating. Figures indicate the accumulated deficiency during the winter season below a mean daily temperature of 65°. It is considered that below this point heat is required to make living rooms comfortable. It will be noted, for instance, that heat requirements for middle Kansas are only 71 per cent of middle Iowa and 50 per cent of northern North Dakota.

AVERAGE ANNUAL NUMBER OF DEGREE DAYS -- 1898 - 1942

(Computed on a 65° basis.)



Degree days is a term used by heating engineers to indicate fuel requirements for heating. Figures indicate the accumulated deficiency during the winter season below a mean daily temperature of 65°. It is considered that below this point heat is required to keep living rooms comfortable. It will be noted, for instance, that heat requirements for the extreme southeast part of the State are approximately 77 per cent of the middle counties and 71 per cent of the northwestern counties.

MONTHLY AND ANNUAL NORMAL TEMPERATURES

EASTERN DIVISION

| Station | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Atchison | 28.3 | 31.1 | 43.1 | 54.4 | 64.2 | 73.5 | 78.6 | 77.2 | 69.2 | 57.3 | 43.5 | 31.7 | 54.3 |
| Burlington | 31.5 | 34.7 | 45.8 | 56.2 | 65.3 | 74.5 | 79.7 | 78.9 | 71.0 | 59.1 | 45.5 | 34.6 | 56.4 |
| Centralia | 26.3 | 31.0 | 41.5 | 53.3 | 63.2 | 73.0 | 79.1 | 76.9 | 69.0 | 56.6 | 42.2 | 30.3 | 53.5 |
| Chanute | 33.6 | 36.9 | 47.2 | 57.4 | 65.8 | 75.5 | 80.7 | 80.0 | 72.0 | 60.7 | 47.1 | 36.4 | 57.8 |
| Climax | 31.4 | 36.3 | 46.3 | 56.7 | 65.0 | 74.5 | 80.0 | 79.1 | 71.2 | 59.3 | 45.8 | 35.3 | 56.7 |
| Columbus | 34.2 | 36.7 | 47.2 | 56.8 | 65.8 | 74.7 | 79.1 | 78.7 | 71.4 | 59.9 | 47.1 | 36.6 | 57.4 |
| Cottonwood Falls .. | 30.7 | 34.6 | 45.2 | 55.9 | 64.4 | 74.1 | 79.9 | 78.9 | 70.9 | 58.5 | 44.9 | 33.6 | 56.0 |
| Council Grove | 29.4 | 34.0 | 44.1 | 55.4 | 64.4 | 73.9 | 79.8 | 78.3 | 70.2 | 57.7 | 44.1 | 32.8 | 55.3 |
| Emporia | 30.7 | 34.0 | 45.2 | 55.3 | 64.6 | 74.0 | 79.5 | 78.4 | 70.4 | 58.9 | 45.1 | 33.8 | 55.8 |
| Eschridge | 28.8 | 33.1 | 44.2 | 54.5 | 63.8 | 74.0 | 79.1 | 77.5 | 69.8 | 57.8 | 44.2 | 32.5 | 54.9 |
| Fall River | 32.0 | 36.5 | 46.4 | 57.0 | 65.6 | 74.6 | 80.2 | 79.3 | 71.4 | 60.0 | 46.2 | 35.7 | 57.1 |
| Fort Scott | 33.1 | 36.1 | 47.1 | 56.3 | 65.7 | 74.9 | 79.9 | 79.2 | 71.5 | 59.9 | 46.8 | 36.0 | 57.2 |
| Frederia | 33.5 | 37.9 | 47.2 | 57.4 | 65.8 | 74.9 | 80.3 | 79.7 | 72.0 | 60.6 | 47.2 | 36.5 | 57.8 |
| Horton | 27.1 | 29.9 | 41.7 | 53.0 | 63.0 | 72.5 | 78.0 | 76.5 | 68.3 | 56.8 | 42.5 | 30.2 | 53.3 |
| Independence | 34.8 | 37.6 | 48.3 | 58.0 | 66.7 | 75.7 | 80.4 | 80.2 | 72.6 | 61.1 | 47.5 | 37.8 | 58.4 |
| Iola | 32.0 | 36.1 | 45.9 | 56.5 | 65.3 | 74.7 | 80.0 | 78.9 | 71.3 | 59.0 | 45.9 | 35.2 | 56.7 |
| Junction City | 29.1 | 32.4 | 44.2 | 55.2 | 64.6 | 74.8 | 80.2 | 78.7 | 70.8 | 58.1 | 44.0 | 32.2 | 55.4 |
| Lawrence | 29.9 | 32.7 | 44.4 | 55.1 | 64.7 | 73.9 | 79.1 | 77.5 | 69.8 | 58.3 | 44.7 | 33.0 | 55.3 |
| Leavenworth | 29.4 | 31.5 | 44.0 | 54.6 | 65.0 | 74.1 | 79.7 | 78.0 | 70.0 | 58.8 | 44.8 | 33.0 | 55.2 |
| Manhattan | 29.2 | 32.4 | 44.0 | 55.2 | 64.8 | 74.7 | 80.2 | 78.5 | 70.5 | 58.1 | 44.0 | 32.2 | 55.3 |
| Oketo | 25.8 | 31.2 | 41.4 | 53.6 | 62.9 | 73.3 | 79.7 | 77.6 | 69.1 | 56.5 | 42.2 | 30.3 | 53.6 |
| Olathe | 30.4 | 33.2 | 44.3 | 54.8 | 64.6 | 74.0 | 79.1 | 77.7 | 69.8 | 58.3 | 44.6 | 32.6 | 55.3 |
| Osage City | 30.2 | 33.5 | 44.9 | 55.2 | 64.1 | 73.6 | 79.5 | 78.0 | 70.1 | 57.9 | 44.6 | 33.2 | 55.4 |
| Ottawa | 30.1 | 33.2 | 44.6 | 55.0 | 64.6 | 73.7 | 79.0 | 77.7 | 69.9 | 58.0 | 44.5 | 33.2 | 55.3 |
| Parsons | 35.4 | 37.6 | 48.3 | 58.2 | 66.7 | 75.6 | 80.0 | 80.0 | 72.3 | 61.2 | 47.5 | 37.6 | 58.4 |
| Sedan | 34.4 | 37.4 | 48.2 | 57.3 | 66.3 | 75.2 | 80.6 | 80.1 | 72.0 | 60.6 | 47.8 | 36.7 | 58.0 |
| Topeka | 29.4 | 32.1 | 43.7 | 54.7 | 64.6 | 74.3 | 79.7 | 78.1 | 70.0 | 58.2 | 44.3 | 32.6 | 55.1 |
| Toronto | 31.9 | 35.2 | 45.8 | 56.3 | 65.4 | 74.7 | 79.8 | 79.4 | 71.8 | 59.9 | 46.0 | 34.9 | 56.8 |
| Valley Falls | 28.6 | 31.5 | 43.3 | 54.4 | 64.0 | 73.0 | 78.5 | 76.9 | 68.9 | 57.8 | 43.7 | 31.9 | 54.4 |
| Wamego | 29.2 | 32.4 | 43.5 | 55.5 | 65.0 | 74.5 | 80.2 | 78.6 | 70.2 | 58.5 | 44.4 | 32.6 | 55.4 |
| Kansas City, Mo.... | 30.1 | 32.1 | 44.0 | 55.0 | 65.1 | 74.5 | 79.8 | 78.1 | 70.2 | 58.9 | 45.2 | 33.3 | 55.5 |
| St. Joseph, MO.... | 27.3 | 31.4 | 42.6 | 54.3 | 64.5 | 74.2 | 79.9 | 77.4 | 69.4 | 57.4 | 43.2 | 31.5 | 54.4 |

MIDDLE DIVISION

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Alden | 30.3 | 34.0 | 45.0 | 55.4 | 64.9 | 75.0 | 80.6 | 79.3 | 71.0 | 58.9 | 44.5 | 33.4 | 56.0 |
| Alton | 27.6 | 32.4 | 43.0 | 53.8 | 63.1 | 73.6 | 80.2 | 78.8 | 70.1 | 56.9 | 42.3 | 31.0 | 54.4 |
| Anthony | 33.5 | 38.3 | 47.9 | 57.0 | 65.7 | 76.0 | 81.4 | 80.6 | 72.7 | 60.1 | 46.8 | 36.3 | 58.0 |
| Belleville | 26.4 | 31.2 | 41.0 | 53.2 | 62.9 | 73.0 | 79.1 | 77.5 | 68.0 | 56.2 | 41.0 | 30.1 | 53.3 |
| Bison | 30.0 | 33.2 | 43.5 | 53.9 | 63.0 | 73.5 | 79.8 | 78.7 | 70.5 | 57.3 | 43.1 | 32.3 | 54.9 |
| Burr Oak | 25.6 | 29.7 | 40.9 | 52.3 | 62.2 | 72.5 | 79.0 | 76.9 | 68.0 | 55.4 | 40.8 | 29.1 | 52.7 |
| Chapman | 29.0 | 32.5 | 44.3 | 55.1 | 64.3 | 74.8 | 80.1 | 78.9 | 71.1 | 58.1 | 44.0 | 32.2 | 55.4 |
| Clay Center | 28.3 | 32.8 | 43.8 | 54.9 | 64.1 | 74.2 | 80.6 | 78.8 | 70.4 | 57.7 | 43.6 | 31.7 | 55.1 |
| Coldwater | 33.1 | 37.6 | 46.9 | 56.3 | 65.3 | 75.4 | 81.6 | 80.1 | 72.4 | 59.6 | 45.9 | 35.3 | 57.5 |
| Concordia | 27.9 | 30.8 | 42.0 | 53.4 | 63.3 | 73.6 | 79.5 | 77.9 | 69.2 | 56.9 | 42.7 | 31.0 | 54.0 |
| El Dorado | 32.1 | 36.6 | 46.6 | 56.8 | 65.3 | 75.2 | 80.5 | 79.6 | 71.8 | 59.4 | 45.6 | 35.2 | 57.1 |
| Ellis | 29.6 | 32.4 | 42.4 | 53.0 | 62.4 | 72.6 | 79.4 | 77.8 | 69.1 | 56.4 | 42.2 | 31.8 | 54.1 |
| Ellsworth | 29.1 | 33.8 | 44.0 | 54.9 | 64.2 | 75.0 | 80.9 | 79.6 | 70.7 | 58.2 | 43.3 | 32.2 | 55.5 |
| Geneseo | 29.5 | 33.9 | 44.5 | 55.0 | 64.4 | 75.0 | 80.8 | 79.5 | 70.8 | 58.5 | 44.0 | 33.0 | 55.7 |
| Greensburg | 32.1 | 36.3 | 45.2 | 54.7 | 63.8 | 73.9 | 80.0 | 79.0 | 71.0 | 58.5 | 45.0 | 34.6 | 56.2 |

(Middle Division continued on next page)

Normals for all stations are computed for the 45-year period, 1898 through 1942.

MONTHLY AND ANNUAL NORMAL TEMPERATURES

MIDDLE DIVISION (Continued)

| Station | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Hanover | 27.4 | 31.4 | 42.9 | 53.9 | 63.6 | 73.5 | 80.1 | 77.8 | 69.4 | 57.5 | 42.7 | 30.9 | 54.3 |
| Hays | 29.4 | 32.3 | 42.5 | 52.9 | 62.4 | 72.7 | 79.3 | 77.9 | 69.2 | 56.4 | 42.1 | 31.7 | 54.1 |
| Herington | 29.6 | 33.8 | 44.0 | 55.2 | 64.3 | 73.9 | 79.8 | 78.3 | 70.2 | 57.7 | 44.0 | 32.2 | 55.2 |
| Hutchinson | 31.0 | 34.6 | 45.1 | 55.5 | 64.7 | 74.7 | 80.2 | 79.3 | 70.9 | 58.9 | 44.9 | 33.6 | 56.1 |
| Larned | 30.2 | 34.8 | 44.3 | 54.6 | 63.9 | 74.3 | 80.2 | 79.2 | 70.9 | 58.0 | 44.0 | 33.3 | 55.6 |
| Lincoln | 29.2 | 33.7 | 43.5 | 54.8 | 64.3 | 75.0 | 80.5 | 79.0 | 70.5 | 58.0 | 43.2 | 32.3 | 55.3 |
| McPherson | 30.1 | 33.6 | 45.0 | 55.4 | 64.5 | 74.7 | 80.7 | 80.0 | 71.4 | 59.0 | 44.6 | 33.0 | 56.0 |
| Medicine Lodge .. | 33.5 | 37.1 | 47.2 | 57.5 | 66.5 | 76.0 | 81.2 | 80.5 | 72.6 | 60.3 | 46.6 | 35.5 | 57.9 |
| Minneapolis | 29.1 | 32.4 | 43.8 | 54.7 | 64.0 | 74.2 | 80.4 | 79.3 | 70.4 | 57.9 | 43.4 | 32.1 | 55.1 |
| Newton | 30.8 | 34.3 | 45.4 | 55.4 | 64.5 | 74.7 | 79.9 | 79.3 | 71.2 | 59.0 | 45.0 | 33.5 | 56.1 |
| Norwich | 33.3 | 37.2 | 47.4 | 57.3 | 66.0 | 75.8 | 81.5 | 80.5 | 72.5 | 60.9 | 46.9 | 35.9 | 57.9 |
| Phillipsburg | 27.9 | 31.6 | 42.2 | 52.8 | 62.0 | 72.5 | 80.0 | 77.2 | 69.0 | 56.6 | 41.8 | 30.7 | 53.7 |
| Plainville | 28.3 | 32.9 | 42.9 | 53.0 | 62.2 | 72.8 | 79.7 | 77.6 | 69.4 | 56.4 | 42.3 | 31.5 | 54.1 |
| Pratt | 32.7 | 35.8 | 45.7 | 56.2 | 64.5 | 75.3 | 81.0 | 80.1 | 71.7 | 59.4 | 45.9 | 35.0 | 56.9 |
| Russell | 29.4 | 33.1 | 43.3 | 54.2 | 63.6 | 74.0 | 80.4 | 78.9 | 70.5 | 57.5 | 43.3 | 32.2 | 55.0 |
| Salina | 29.7 | 33.2 | 44.5 | 55.5 | 64.8 | 74.9 | 81.0 | 79.9 | 71.3 | 58.8 | 44.2 | 32.9 | 55.9 |
| Wellington | 33.2 | 37.8 | 46.7 | 57.7 | 66.6 | 76.5 | 80.8 | 80.5 | 72.5 | 60.9 | 46.7 | 36.0 | 58.0 |
| Wichita | 32.1 | 35.1 | 45.6 | 56.0 | 65.2 | 75.0 | 80.4 | 79.6 | 71.5 | 59.5 | 45.8 | 34.7 | 56.7 |
| Winfield | 33.2 | 36.7 | 47.7 | 57.9 | 66.4 | 75.9 | 80.9 | 80.3 | 72.3 | 60.3 | 46.7 | 35.7 | 57.8 |

WESTERN DIVISION

| | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Ashland | 33.5 | 36.8 | 46.7 | 56.4 | 65.6 | 75.6 | 81.0 | 80.0 | 72.1 | 59.4 | 45.6 | 35.1 | 57.3 |
| Atwood | 28.0 | 32.3 | 40.8 | 50.6 | 60.6 | 71.3 | 78.0 | 75.4 | 66.5 | 54.1 | 40.2 | 29.7 | 52.3 |
| Cimarron | 31.0 | 34.2 | 43.8 | 54.6 | 63.6 | 73.4 | 79.3 | 78.0 | 69.5 | 56.7 | 42.7 | 33.0 | 55.0 |
| Colby | 28.8 | 32.0 | 41.0 | 50.9 | 60.4 | 70.7 | 77.2 | 75.8 | 66.9 | 54.3 | 40.9 | 30.5 | 52.4 |
| Dodge City | 31.1 | 33.9 | 43.5 | 53.7 | 63.2 | 73.7 | 79.1 | 77.8 | 69.6 | 57.1 | 43.6 | 33.0 | 54.9 |
| Dresden | 28.2 | 31.6 | 40.9 | 51.1 | 61.0 | 71.3 | 77.9 | 76.4 | 67.5 | 55.4 | 41.6 | 30.6 | 52.8 |
| Elkhart | 32.6 | 36.6 | 45.3 | 54.5 | 64.0 | 73.0 | 78.5 | 78.3 | 70.2 | 58.4 | 44.4 | 34.9 | 55.9 |
| Garden City | 30.9 | 34.2 | 43.8 | 54.0 | 63.7 | 73.4 | 78.9 | 77.8 | 69.6 | 56.5 | 43.0 | 32.6 | 54.9 |
| Goodland | 28.7 | 32.6 | 40.2 | 49.8 | 59.4 | 70.0 | 76.6 | 74.3 | 66.3 | 54.0 | 40.5 | 29.9 | 51.9 |
| Healy | 29.1 | 33.0 | 42.1 | 52.4 | 61.9 | 72.0 | 78.1 | 76.7 | 68.4 | 55.7 | 42.0 | 31.2 | 53.6 |
| Hill City | 28.5 | 32.8 | 42.0 | 52.9 | 62.0 | 73.5 | 79.0 | 77.0 | 69.3 | 56.3 | 42.3 | 31.2 | 53.9 |
| Hoxie | 28.7 | 32.3 | 41.1 | 52.1 | 61.9 | 72.1 | 78.7 | 76.9 | 67.9 | 55.2 | 41.5 | 31.2 | 53.3 |
| Jetmore | 30.9 | 34.4 | 44.0 | 54.0 | 63.5 | 73.5 | 79.0 | 78.4 | 70.3 | 57.3 | 43.4 | 32.5 | 55.1 |
| Johnson | 31.1 | 35.1 | 43.9 | 53.7 | 63.4 | 73.6 | 78.0 | 77.8 | 69.9 | 56.9 | 42.3 | 32.6 | 54.9 |
| Lakin | 30.4 | 34.2 | 44.0 | 53.7 | 63.4 | 73.1 | 78.5 | 77.2 | 68.7 | 56.0 | 42.4 | 32.0 | 54.5 |
| Leoti | 29.6 | 32.9 | 40.5 | 51.2 | 61.3 | 71.1 | 77.8 | 76.2 | 67.5 | 54.3 | 40.5 | 30.2 | 52.8 |
| Liberal | 33.7 | 36.7 | 46.3 | 55.1 | 64.2 | 74.9 | 80.7 | 78.8 | 71.2 | 58.9 | 45.4 | 35.0 | 56.7 |
| Norton | 27.5 | 31.3 | 40.6 | 51.6 | 61.5 | 71.8 | 78.5 | 76.6 | 67.9 | 55.2 | 41.0 | 30.0 | 52.8 |
| Oakley | 29.4 | 33.9 | 41.4 | 51.9 | 61.4 | 71.4 | 78.3 | 76.4 | 67.8 | 55.8 | 41.1 | 31.0 | 53.3 |
| Oberlin | 28.0 | 31.6 | 40.8 | 51.0 | 61.0 | 71.3 | 78.0 | 76.3 | 67.2 | 54.4 | 39.8 | 29.6 | 52.4 |
| Quinter | 28.4 | 32.6 | 41.4 | 51.6 | 62.0 | 72.0 | 79.0 | 76.6 | 68.0 | 55.2 | 40.8 | 31.3 | 53.2 |
| St. Francis | 28.0 | 32.5 | 40.7 | 50.5 | 60.4 | 70.6 | 77.3 | 74.8 | 66.1 | 53.7 | 40.4 | 29.7 | 52.1 |
| Scott City | 29.7 | 33.0 | 42.0 | 52.4 | 61.8 | 72.4 | 78.3 | 76.7 | 68.5 | 55.8 | 42.0 | 31.7 | 53.7 |
| Sublette | 31.5 | 35.0 | 44.5 | 54.3 | 63.6 | 73.4 | 79.6 | 77.6 | 70.1 | 56.9 | 43.1 | 33.1 | 55.2 |
| Syracuse | 30.0 | 34.0 | 43.0 | 52.7 | 63.4 | 72.8 | 77.5 | 76.0 | 68.0 | 55.0 | 41.8 | 31.0 | 53.8 |
| Tribune | 29.0 | 32.8 | 40.1 | 50.4 | 60.4 | 70.6 | 76.5 | 74.8 | 67.0 | 53.6 | 40.0 | 30.0 | 52.1 |
| Ulysses | 31.3 | 34.5 | 43.9 | 53.9 | 63.6 | 73.4 | 78.8 | 77.9 | 69.7 | 56.8 | 42.6 | 32.5 | 54.9 |
| Wakeeney | 29.8 | 32.9 | 42.3 | 53.0 | 62.4 | 72.4 | 78.7 | 77.6 | 69.0 | 56.4 | 42.6 | 32.1 | 54.1 |

Normals for all stations are computed for the 45-year period, 1898 through 1942.

MEAN MAXIMUM TEMPERATURES

(Computed from records ending with 1942, varying in length from 30 to 45 years, except in the case of First Order stations, where means are for entire records, ending with 1945.)

| Stations | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|-------------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| Ashland | 47.6 | 51.9 | 62.4 | 71.2 | 79.1 | 88.8 | 95.1 | 94.6 | 86.6 | 74.6 | 60.5 | 48.8 | 71.8 |
| Alton | 40.9 | 46.1 | 57.8 | 68.3 | 76.2 | 86.8 | 94.3 | 92.4 | 84.5 | 71.5 | 56.5 | 43.6 | 68.2 |
| Anthony | 44.6 | 51.1 | 61.7 | 70.2 | 78.0 | 88.8 | 95.1 | 94.4 | 86.4 | 73.7 | 59.6 | 47.4 | 70.9 |
| Burr Oak | 37.5 | 41.8 | 54.2 | 65.8 | 75.0 | 85.3 | 93.2 | 90.8 | 82.0 | 69.4 | 53.7 | 40.4 | 65.8 |
| Colby | 41.1 | 45.7 | 55.1 | 66.1 | 74.8 | 85.3 | 92.7 | 91.3 | 82.4 | 70.3 | 56.1 | 43.6 | 67.0 |
| Columbus | 43.9 | 47.2 | 58.9 | 68.4 | 77.0 | 85.8 | 90.0 | 90.8 | 83.3 | 71.9 | 58.2 | 46.2 | 68.5 |
| Concordia | 36.9 | 41.0 | 52.7 | 65.2 | 73.8 | 84.2 | 90.5 | 89.0 | 80.5 | 68.3 | 51.8 | 40.6 | 63.6 |
| Dodge City | 41.7 | 46.0 | 56.3 | 66.9 | 75.4 | 85.3 | 91.1 | 89.8 | 81.9 | 69.7 | 56.0 | 44.7 | 67.0 |
| Elkhart | 47.3 | 51.2 | 59.6 | 69.7 | 78.1 | 87.4 | 93.2 | 92.2 | 84.5 | 73.0 | 60.0 | 48.7 | 70.4 |
| Emporia | 41.5 | 45.3 | 57.8 | 67.4 | 75.9 | 85.4 | 92.1 | 91.0 | 82.7 | 71.3 | 56.9 | 44.0 | 67.6 |
| Climax | 42.6 | 48.1 | 59.1 | 68.7 | 76.8 | 86.0 | 92.5 | 91.7 | 83.7 | 72.0 | 58.2 | 45.7 | 68.8 |
| Fort Scott | 43.4 | 47.2 | 59.2 | 68.4 | 77.5 | 86.4 | 92.2 | 91.9 | 84.2 | 72.8 | 58.2 | 46.0 | 69.0 |
| Garden City | 45.1 | 49.1 | 59.5 | 69.4 | 78.1 | 87.7 | 93.7 | 92.5 | 84.6 | 72.4 | 58.7 | 46.6 | 69.8 |
| Goodland | 41.4 | 46.6 | 54.5 | 64.4 | 73.5 | 84.7 | 92.0 | 89.3 | 81.8 | 69.3 | 54.7 | 43.0 | 66.2 |
| Hanover | 37.8 | 43.1 | 55.8 | 66.8 | 76.1 | 85.9 | 93.5 | 90.8 | 82.3 | 70.3 | 54.6 | 41.1 | 66.5 |
| Hays | 42.0 | 46.1 | 57.5 | 67.3 | 75.8 | 85.8 | 93.8 | 92.1 | 83.7 | 71.4 | 56.3 | 44.3 | 68.0 |
| Horton | 37.1 | 40.4 | 53.4 | 65.0 | 74.3 | 83.8 | 90.0 | 88.4 | 80.1 | 68.7 | 53.5 | 39.7 | 64.5 |
| Hutchinson | 41.8 | 46.2 | 58.3 | 68.5 | 76.8 | 87.0 | 93.4 | 92.7 | 84.2 | 72.2 | 57.3 | 44.5 | 68.6 |
| Independence ... | 45.2 | 49.0 | 60.5 | 69.8 | 77.7 | 87.0 | 92.5 | 92.9 | 85.1 | 73.7 | 59.6 | 47.6 | 70.0 |
| Iola | 41.6 | 46.6 | 57.5 | 67.7 | 76.2 | 85.5 | 91.7 | 90.7 | 83.0 | 70.9 | 56.7 | 44.6 | 67.7 |
| Larned | 42.2 | 47.7 | 58.3 | 68.1 | 76.3 | 86.9 | 93.4 | 92.0 | 84.3 | 71.5 | 57.3 | 45.0 | 68.6 |
| Liberal | 47.8 | 52.7 | 61.6 | 69.8 | 78.2 | 88.8 | 94.9 | 93.0 | 85.8 | 73.9 | 60.5 | 49.0 | 71.3 |
| McPherson | 40.2 | 44.9 | 57.8 | 68.1 | 76.6 | 86.9 | 93.7 | 93.1 | 84.2 | 71.5 | 56.1 | 42.9 | 68.0 |
| Manhattan | 39.6 | 44.3 | 56.5 | 67.9 | 76.6 | 86.7 | 93.0 | 91.5 | 83.6 | 71.2 | 56.0 | 42.9 | 67.4 |
| Oberlin | 41.0 | 46.6 | 56.1 | 66.4 | 75.8 | 86.1 | 94.0 | 91.3 | 82.7 | 70.7 | 55.4 | 42.6 | 67.4 |
| Ottawa | 40.2 | 44.2 | 56.7 | 67.1 | 76.0 | 85.2 | 91.3 | 90.1 | 81.9 | 70.7 | 56.2 | 43.0 | 66.9 |
| Norton | 39.4 | 44.1 | 54.1 | 65.2 | 74.4 | 84.9 | 92.4 | 90.6 | 81.9 | 69.4 | 53.9 | 41.8 | 66.0 |
| Pratt | 44.3 | 48.4 | 59.4 | 69.4 | 77.7 | 88.1 | 94.5 | 93.6 | 85.1 | 72.5 | 58.6 | 46.1 | 69.8 |
| St. Francis | 42.4 | 47.7 | 56.2 | 65.9 | 75.4 | 85.6 | 93.2 | 90.5 | 82.3 | 70.4 | 56.5 | 43.6 | 67.5 |
| Salina | 40.9 | 45.2 | 57.6 | 68.8 | 77.1 | 87.3 | 94.2 | 93.2 | 84.4 | 72.0 | 56.6 | 43.6 | 68.4 |
| Scott City | 43.9 | 49.2 | 57.5 | 67.6 | 76.6 | 86.9 | 93.4 | 91.9 | 83.6 | 71.4 | 57.6 | 45.1 | 68.7 |
| Syracuse | 44.7 | 49.4 | 59.5 | 69.6 | 78.3 | 88.0 | 93.9 | 92.4 | 84.1 | 71.7 | 59.0 | 46.4 | 69.8 |
| Topeka | 38.4 | 42.2 | 54.1 | 66.0 | 74.9 | 84.6 | 90.3 | 88.5 | 80.7 | 69.1 | 54.1 | 41.8 | 65.4 |
| Tribune | 42.6 | 47.4 | 55.5 | 65.5 | 74.5 | 85.2 | 91.9 | 90.4 | 81.7 | 69.6 | 55.1 | 43.0 | 66.9 |
| Ulysses | 46.4 | 49.5 | 59.9 | 69.7 | 78.1 | 88.1 | 93.6 | 92.9 | 85.1 | 73.0 | 58.8 | 46.9 | 70.2 |
| Valley Falls ... | 39.2 | 42.8 | 55.8 | 66.9 | 75.6 | 84.5 | 90.9 | 89.2 | 81.0 | 70.5 | 55.3 | 41.9 | 66.1 |
| Wakeeney | 42.3 | 47.6 | 56.9 | 67.3 | 75.4 | 85.6 | 92.8 | 91.3 | 83.3 | 70.7 | 56.7 | 44.5 | 67.9 |
| Wichita | 41.3 | 45.0 | 56.1 | 67.0 | 75.1 | 85.1 | 90.8 | 90.2 | 82.1 | 70.0 | 55.4 | 44.0 | 66.8 |
| Winfield | 43.9 | 48.6 | 60.3 | 70.2 | 77.7 | 87.3 | 93.2 | 92.4 | 84.2 | 72.1 | 58.3 | 45.9 | 69.5 |
| Kansas City, Mo. | 38.2 | 41.1 | 53.0 | 64.6 | 74.0 | 83.4 | 88.7 | 87.2 | 79.6 | 68.4 | 53.4 | 41.1 | 64.4 |
| St. Joseph, Mo.. | 36.0 | 40.8 | 52.6 | 64.3 | 74.4 | 84.0 | 90.5 | 87.9 | 79.6 | 67.9 | 52.4 | 38.9 | 64.1 |

MEAN MINIMUM TEMPERATURES

(Computed from records ending with 1942, varying in length from 30 to 45 years, except in the case of First Order stations, where means are for entire records, ending with 1945.)

| Stations | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|--------------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| Ashland | 19.2 | 21.8 | 31.1 | 41.7 | 52.2 | 62.3 | 66.9 | 65.8 | 57.8 | 44.4 | 30.5 | 21.5 | 42.9 |
| Alton | 14.9 | 18.9 | 28.2 | 39.3 | 49.8 | 60.5 | 66.1 | 64.4 | 55.7 | 42.6 | 28.1 | 18.0 | 40.5 |
| Anthony | 22.3 | 25.7 | 34.0 | 43.8 | 53.4 | 63.2 | 67.7 | 66.9 | 59.1 | 46.7 | 33.9 | 25.1 | 45.2 |
| Burr Oak | 13.8 | 17.6 | 27.7 | 38.8 | 49.3 | 59.7 | 64.9 | 63.0 | 54.4 | 41.6 | 27.9 | 18.3 | 39.8 |
| Colby | 15.3 | 17.5 | 25.6 | 35.8 | 46.0 | 56.1 | 61.6 | 60.2 | 51.3 | 38.3 | 25.8 | 17.4 | 37.8 |
| Columbus | 24.4 | 26.1 | 35.6 | 45.3 | 54.5 | 63.5 | 67.3 | 66.6 | 59.5 | 47.9 | 35.9 | 27.0 | 46.1 |
| Concordia | 17.8 | 20.7 | 30.4 | 42.5 | 52.3 | 62.5 | 67.6 | 65.8 | 57.3 | 44.8 | 30.8 | 22.1 | 42.0 |
| Dodge City | 18.0 | 21.4 | 29.4 | 40.9 | 51.2 | 61.0 | 66.3 | 65.0 | 56.4 | 43.6 | 29.9 | 21.3 | 42.0 |
| Elkhart | 17.8 | 20.6 | 27.8 | 38.6 | 48.6 | 58.1 | 63.2 | 62.0 | 53.6 | 41.2 | 27.7 | 19.7 | 39.9 |
| Emporia | 20.3 | 22.5 | 32.8 | 43.2 | 53.2 | 62.7 | 67.0 | 65.8 | 58.1 | 46.1 | 33.2 | 23.6 | 44.0 |
| Glimax | 20.5 | 24.3 | 33.5 | 44.5 | 53.6 | 63.1 | 67.4 | 66.5 | 58.6 | 46.4 | 33.5 | 24.5 | 44.7 |
| Port Scott | 22.8 | 25.0 | 34.9 | 44.3 | 54.0 | 63.4 | 67.6 | 66.5 | 58.7 | 47.0 | 35.2 | 26.0 | 45.4 |
| Garden City | 16.6 | 19.2 | 28.1 | 38.5 | 49.2 | 59.1 | 64.2 | 63.1 | 54.6 | 40.1 | 27.2 | 18.6 | 39.9 |
| Goodland | 16.3 | 19.3 | 25.9 | 35.3 | 45.3 | 55.4 | 61.3 | 59.3 | 50.9 | 38.6 | 26.3 | 18.1 | 37.7 |
| Hanover | 16.3 | 20.0 | 30.1 | 40.9 | 51.0 | 61.2 | 66.8 | 64.7 | 56.4 | 44.3 | 30.9 | 20.5 | 41.9 |
| Hays | 16.1 | 18.6 | 27.5 | 38.3 | 49.1 | 59.3 | 65.0 | 63.7 | 54.7 | 41.5 | 27.8 | 18.8 | 40.0 |
| Horton | 17.1 | 19.5 | 30.1 | 41.0 | 51.7 | 61.2 | 66.0 | 64.6 | 56.5 | 44.9 | 31.4 | 21.0 | 42.1 |
| Hutchinson | 19.7 | 22.5 | 31.9 | 42.6 | 52.7 | 62.4 | 66.9 | 65.8 | 57.8 | 45.7 | 32.3 | 22.6 | 43.6 |
| Independence | 24.3 | 26.2 | 36.1 | 46.3 | 55.7 | 64.5 | 68.3 | 67.5 | 60.2 | 48.4 | 36.1 | 27.0 | 46.7 |
| Iola | 22.2 | 25.6 | 34.4 | 45.3 | 54.4 | 63.9 | 68.3 | 67.1 | 59.6 | 47.2 | 35.0 | 25.8 | 45.7 |
| Larned | 18.3 | 21.9 | 30.4 | 40.8 | 51.4 | 61.5 | 66.7 | 65.7 | 57.4 | 44.4 | 30.6 | 21.4 | 42.5 |
| Liberal | 19.7 | 22.8 | 30.4 | 40.2 | 50.5 | 61.0 | 66.4 | 64.7 | 56.6 | 43.9 | 30.3 | 21.7 | 42.4 |
| McPherson | 20.0 | 22.2 | 32.1 | 42.8 | 52.5 | 62.6 | 67.7 | 66.9 | 58.7 | 46.5 | 33.1 | 23.2 | 44.0 |
| Manhattan | 18.5 | 21.1 | 31.4 | 42.5 | 52.8 | 62.6 | 67.3 | 65.8 | 57.8 | 45.2 | 31.8 | 22.0 | 43.2 |
| Oberlin | 13.4 | 17.5 | 25.5 | 36.4 | 46.9 | 57.4 | 63.1 | 61.3 | 51.8 | 38.1 | 24.2 | 16.0 | 37.6 |
| Ottawa | 20.1 | 22.2 | 32.5 | 43.0 | 52.8 | 62.1 | 66.6 | 65.3 | 57.7 | 45.5 | 33.0 | 23.3 | 43.7 |
| Norton | 15.4 | 18.6 | 27.1 | 38.1 | 48.4 | 58.8 | 64.5 | 62.6 | 53.9 | 40.9 | 27.9 | 18.6 | 39.6 |
| F Pratt | 21.1 | 23.2 | 32.0 | 42.6 | 52.8 | 62.7 | 67.7 | 66.7 | 58.4 | 46.3 | 33.3 | 23.9 | 44.2 |
| St. Francis | 14.1 | 18.1 | 25.0 | 35.1 | 45.6 | 55.5 | 61.3 | 59.2 | 49.8 | 36.9 | 24.3 | 15.9 | 36.7 |
| Salina | 18.5 | 21.2 | 31.4 | 42.5 | 52.5 | 62.5 | 67.8 | 66.6 | 58.2 | 45.6 | 31.9 | 22.1 | 43.4 |
| Scott City | 15.5 | 18.8 | 26.6 | 37.2 | 47.5 | 57.6 | 62.9 | 61.5 | 52.9 | 39.9 | 25.9 | 18.1 | 38.7 |
| Syracuse | 13.3 | 16.1 | 25.3 | 36.3 | 46.5 | 56.1 | 61.8 | 60.3 | 51.2 | 37.6 | 23.9 | 15.5 | 37.0 |
| Topeka | 19.8 | 22.3 | 32.2 | 44.1 | 53.9 | 63.6 | 68.2 | 66.6 | 58.6 | 46.6 | 33.5 | 23.9 | 44.4 |
| Tribune | 14.4 | 17.6 | 24.7 | 35.2 | 45.8 | 55.6 | 60.9 | 59.2 | 50.6 | 37.8 | 24.6 | 16.2 | 36.9 |
| Ulysses | 16.0 | 19.1 | 28.0 | 38.0 | 48.4 | 58.8 | 64.1 | 62.8 | 54.4 | 40.3 | 26.3 | 17.7 | 39.5 |
| Valley Falls | 17.9 | 20.1 | 30.8 | 41.8 | 52.2 | 61.6 | 66.1 | 64.7 | 56.8 | 45.1 | 32.0 | 21.9 | 42.6 |
| Wakeeney | 17.6 | 20.4 | 28.2 | 38.8 | 49.1 | 59.3 | 64.8 | 63.3 | 55.0 | 42.1 | 29.1 | 20.3 | 40.7 |
| Wichita | 22.8 | 24.9 | 34.3 | 45.7 | 55.2 | 64.8 | 69.4 | 68.5 | 60.5 | 48.7 | 35.5 | 26.1 | 46.4 |
| Winfield | 22.6 | 24.9 | 35.1 | 45.6 | 55.4 | 64.5 | 68.8 | 68.1 | 60.5 | 48.4 | 35.1 | 25.5 | 46.2 |
| Kansas City, Mo.. | 21.7 | 23.7 | 33.8 | 45.7 | 55.6 | 65.2 | 69.9 | 68.2 | 60.5 | 48.9 | 35.8 | 25.7 | 46.2 |
| St. Joseph, Mo.. | 18.9 | 22.7 | 32.3 | 44.1 | 54.3 | 64.1 | 69.0 | 66.9 | 58.8 | 46.9 | 33.9 | 23.2 | 44.6 |

HIGHEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCE¹

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|-------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Abilene | 1893-1903 | 78 | 81 | 95 | 100 | 102 | 108 | 110 | 112 | 105* | 95* | 83* | 73* | 112 |
| | Date 1914-1928 | 13-28 | 23-18 | 30-93 | 6-93 | 8-95 | 27-00 | 25-18 | 4-18 | 16-95 | 10-93 | 2-14 | 4-16 | 8-4-18 |
| Alden | 1913-1945 | 77 | 84 | 92 | 94* | 106 | 108* | 113* | 116* | 107 | 98* | 86 | 81 | 116* |
| | Date | 22-43 | 23-18 | 30-17 | 9-30 | 23-39 | 4-33 | 13-34 | 12-36 | 5-31 | 2-38 | 5-24 | 6-39 | 8-12-36 |
| Alton | 1902-1945 | 79 | 83 | 99 | 99 | 105 | 114 | 121 | 116 | 110 | 99 | 88 | 78 | 121 |
| | Date | 10-11 | 25-17 | 21-07 | 28-10 | 23-39 | 26-36 | 24-36 | 12-36 | 2-39 | 1-24 | 5-45 | 17-39 | 7-24-36 |
| Anthony | 1906-1945 | 79 | 87 | 98 | 99 | 106 | 113 | 115 | 115 | 111* | 98 | 87 | 79 | 115* |
| | Date | 22-43 | 23-18 | 19-07 | 29-10 | 29-13 | 25-11 | 18-36 | 12-36 | 2-39 | 6-39 | 3-09 | 11-39 | 7-18-36 |
| Ashland | 1893-1945 | 84 | 87* | 100 | 99* | 106 | 114 | 113 | 114* | 109 | 99* | 89* | 84 | 114* |
| | Date | 5-27 | 23-04 | 21-07 | 7-93 | 24-96 | 25-11 | 31-34 | 17-09 | 1-39 | 4-98 | 20-97 | 20-94 | 8-17-09 |
| Atchison | 1893-1945 | 72 | 84 | 93 | 95* | 103 | 106 | 109* | 111* | 106* | 98 | 83 | 74 | 111* |
| | Date | 2-39 | 24-30 | 23-10 | 29-10 | 30-34 | 18-18 | 27-30 | 10-34 | 4-13 | 7-39 | 6-15 | 6-39 | 8-10-34 |
| Atwood | 1894-1905 | 76 | 80 | 92 | 98 | 106 | 109* | 118 | 112 | 106 | 97* | 86* | 80 | 118 |
| | Date 1908-1945 | 22-43 | 23-18 | 29-43 | 28-10 | 27-95 | 18-36 | 24-36 | 14-96 | 6-99 | 3-00 | 4-21 | 6-39 | 7-24-36 |
| Belleville | 1902-1945 | 70* | 79 | 93 | 95 | 103 | 111* | 115 | 114 | 110 | 97 | 82* | 77 | 115 |
| | Date | 26-14 | 23-18 | 21-07 | 4-29 | 30-34 | 25-11 | 13-34 | 13-36 | 1-22 | 10-28 | 1-14 | 6-39 | 7-13-34 |
| Beloit | 1893-1904 | 73 | 80 | 93 | 99* | 102 | 112 | 113 | 113* | 109 | 95 | 85 | 75 | 113* |
| | Date 1911-1925 | 26-14 | 23-18 | 28-95 | 20-02 | 10-95 | 25-11 | 14-13 | 3-18 | 1-22 | 10-20 | 6-16 | 13-21 | 7-14-13 |
| Bison | 1893 only | 85 | 83* | 97 | 97 | 107 | 113 | 116 | 115* | 107* | 99 | 87 | 83 | 116 |
| | Date 1902-1945 | 31-11 | 23-18 | 21-07 | 16-37 | 23-39 | 25-11 | 13-34 | 12-36 | 13-11 | 1-38 | 10-27 | 6-39 | 7-13-34 |
| Burlington | 1894-1945 | 73 | 86 | 94 | 94* | 102* | 110 | 117 | 117 | 107* | 97 | 85* | 75* | 117* |
| | Date | 7-07 | 26-96 | 19-07 | 15-96 | 30-13 | 27-36 | 18-36 | 14-36 | 5-13 | 7-39 | 4-09 | 6-39 | 7-18-36 |
| Burr Oak | 1900-1945 | 76 | 78 | 96 | 100 | 105* | 112* | 117 | 115 | 108* | 97* | 88 | 75* | 117 |
| | Date | 10-11 | 25-17 | 21-07 | 20-02 | 29-34 | 21-36 | 24-36 | 11-36 | 5-31 | 1-24 | 5-45 | 13-21 | 7-24-36 |
| Cawker City | 1893-1894 | 71 | 80 | 90* | 98 | 98* | 106 | 112 | 114 | 110* | 100 | 83 | 76 | 114 |
| | Date 1913-1933 | 13-28 | 25-17 | 22-17 | 6-93 | 28-21 | 30-25 | 18-30 | 3-30 | 18-25 | 1-24 | 10-27 | 13-21 | 8-3-30 |
| Centralia | 1909-1945 | 72 | 79* | 91 | 96 | 105 | 108* | 114 | 114 | 106* | 96* | 83 | 73* | 114* |
| | Date | 2-39 | 23-18 | 22-10 | 29-10 | 31-34 | 24-33 | 15-34 | 13-36 | 5-13 | 3-38 | 3-15 | 1-17 | 7-15-34 |
| Chanute | 1898-1904 | 75 | 81* | 95 | 96 | 99 | 108 | 116 | 113 | 105* | 97 | 89 | 74 | 116 |
| | Date 1909-1945 | 29-17 | 24-30 | 21-16 | 14-36 | 31-34 | 20-18 | 18-36 | 9-36 | 11-09 | 6-39 | 6-15 | 6-39 | 7-18-36 |
| Chapman | 1904-1945 | 74 | 82 | 94 | 98 | 101 | 112 | 116* | 115* | 109* | 100 | 88 | 79 | 116* |
| | Date | 2-39 | 24-30 | 25-07 | 29-10 | 31-34 | 25-11 | 18-36 | 12-36 | 1-22 | 4-38 | 3-24 | 6-39 | 7-18-36 |
| Cimarron | 1911-1945 | 79 | 81* | 91 | 94* | 105 | 110* | 111* | 110* | 107 | 99 | 86 | 80 | 111* |
| | Date | 5-27 | 25-17 | 30-17 | 21-14 | 26-45 | 30-33 | 10-34 | 13-36 | 3-45 | 17-26 | 5-24 | 6-39 | 7-10-34 |
| Clay Center | 1902-1945 | 74 | 81 | 93 | 97* | 105 | 116 | 116 | 117 | 108* | 98* | 88 | 76 | 117 |
| | Date | 10-11 | 23-18 | 25-07 | 28-10 | 29-13 | 25-11 | 24-36 | 13-36 | 5-13 | 2-38 | 4-09 | 6-39 | 8-13-36 |
| Climax | 1909-1945 | 74 | 84 | 93 | 98 | 101* | 107* | 120 | 115 | 108* | 98* | 85* | 80 | 120 |
| | Date | 14-27 | 28-32 | 21-16 | 14-36 | 29-13 | 25-11 | 18-36 | 9-36 | 2-39 | 6-39 | 3-09 | 6-39 | 7-18-36 |
| Colby | 1893-1945 | 77 | 83 | 94 | 97 | 102 | 108 | 113 | 110 | 108 | 96* | 87 | 82 | 113 |
| | Date | 22-43 | 12-11 | 26-07 | 28-10 | 17-27 | 26-36 | 25-40 | 9-38 | 5-31 | 1-99 | 10-27 | 6-39 | 7-25-40 |
| Coldwater | 1893-1896 | 82 | 85 | 98 | 98 | 103 | 111 | 114 | 115* | 108* | 99 | 87 | 82 | 115* |
| | Date 1906-1945 | 22-43 | 23-18 | 19-07 | 21-93 | 23-39 | 25-11 | 18-36 | 12-36 | 5-31 | 1-38 | 5-24 | 11-39 | 8-12-36 |
| Columbus | 1892-1945 | 77 | 84 | 93 | 94 | 98 | 108 | 114 | 115 | 108 | 95 | 84 | 74* | 115 |
| | Date | 11-11 | 1-11 | 21-16 | 14-36 | 31-34 | 18-18 | 18-36 | 9-36 | 3-39 | 7-39 | 1-37 | 3-16 | 8-9-36 |
| Concordia | 1885-1945 | 78 | 80 | 97 | 100 | 102 | 110 | 114 | 116 | 107 | 96 | 83 | 76 | 116 |
| | Date | 10-11 | 23-18 | 21-07 | 20-02 | 29-13 | 25-11 | 13-34 | 12-36 | 2-39 | 4-38 | 6-14 | 6-39 | 8-12-36 |
| Cottonwood Falls | 1902-1903 | 75 | 82 | 94 | 96 | 100* | 110 | 118 | 114 | 107* | 97* | 86 | 78 | 118 |
| | Date 1905-1945 | 14-28 | 24-30 | 22-07 | 29-10 | 25-13 | 25-11 | 18-36 | 12-36 | 5-31 | 6-39 | 6-15 | 6-39 | 7-18-36 |

¹ First figure in date gives day of month, second figure indicates year.

* On later dates also.

(Continued on next page)

HIGHEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCES[§] - Continued

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|---------------------------|-------------------------------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|--------------|--------------|-------------|--------------|-----------------|
| Council Grove ... Date | 1908-1945 | 72* 31-11 | 82 28-32 | 95 21-16 | 95 28-10 | 101* 29-13 | 109 25-11 | 115 18-36 | 115 14-36 | 108* 5-31 | 97 7-39 | 85 6-15 | 76 6-39 | 115* 7-18-36 |
| Cunningham Date | 1893-1900 1902-1917 | 76* 10-11 | 87 23-04 | 98 21-07 | 99 29-10 | 104* 8-95 | 112 25-11 | 111 25-94 | 112 20-96 | 107 13-93 | 98 4-98 | 94 3-09 | 73 30-03 | 112* 8-20-96 |
| Dalton Date | 1896-1898 1900-1922 | 77 10-11 | 85 23-18 | 95* 19-07 | 97 29-10 | 103 29-13 | 108 25-11 | 111 13-17 | 110 3-18 | 105 1-05 | 97 3-98 | 86 4-00 | 80 13-21 | 111 7-13-17 |
| Dodge City Date | 1875-1945 | 79 5-27 | 84 23-08 | 98 19-07 | 95 28-10 | 101 24-96 | 107 24-11 | 109 18-36 | 109 13-36 | 104 1-39 | 94* 2-89 | 86* 5-24 | 81 6-39 | 109* 7-18-36 |
| Dresden Date | 1895-1945 | 78 22-43 | 80* 25-17 | 92* 21-07 | 100 28-10 | 104* 20-34 | 112 30-33 | 118 24-36 | 114 11-36 | 108 2-39 | 97* 1-38 | 89 3-00 | 80 6-39 | 118 7-24-36 |
| Eldorado Date | 1893-1896 1898 only 1903-1945 | 72 16-94 | 83 24-30 | 97 29-95 | 99 7-93 | 101 29-13 | 107* 25-11 | 117 18-36 | 116 12-36 | 109 3-39 | 98 6-39 | 85 4-09 | 77* 6-39 | 117 7-18-36 |
| Elkhart Date | 1925-1935 1937-1945 | 82 5-27 | 81 23-30 | 87 29-43 | 93 24-43 | 103 17-27 | 108 28-30 | 110 31-34 | 106 10-37 | 103 3-39 | 95* 17-26 | 86 5-45 | 85 6-39 | 110 7-10-34 |
| Ellinwood Date | 1895-1924 | 78 10-11 | 84 23-18 | 97 21-07 | 97 20-02 | 104 29-13 | 113 25-11 | 110 8-13 | 109 3-18 | 107 1-22 | 95 1-10 | 85 5-24 | 74 1-17 | 113 6-25-11 |
| Ellsworth Date | 1904-1945 | 76* 10-11 | 83 23-18 | 98 21-07 | 97 29-10 | 108 23-39 | 115 25-11 | 116 24-36 | 117* 12-36 | 110 2-39 | 99* 1-19 | 86 4-09 | 80 6-39 | 117* 8-12-36 |
| Emporia Date | 1893-1945 | 76 20-99 | 84 24-30 | 93 22-07 | 95 29-10 | 105 31-34 | 112 24-33 | 116 15-34 | 116 14-36 | 106* 5-31 | 96* 6-39 | 84* 5-15 | 77 6-39 | 116* 7-15-34 |
| Esbridge Date | 1897-1899 1906-1945 | 71 2-39 | 82 24-30 | 91 22-10 | 95 29-10 | 99 31-34 | 107 25-11 | 115 18-36 | 113 14-36 | 107 3-39 | 96 7-39 | 85* 3-09 | 74 17-39 | 115 7-18-36 |
| Fall River Date | 1896-1918 | 75* 11-98 | 83 1-11 | 95 21-16 | 94 29-10 | 95 24-11 | 108* 20-18 | 110 29-10 | 110* 17-09 | 105* 3-09 | 95 6-12 | 85* 3-09 | 72 4-06 | 110* 8-17-09 |
| Fort Scott Date | 1896-1945 | 74* 22-09 | 84 11-19 | 95* 19-07 | 93* 8-05 | 101 31-34 | 107 20-18 | 118 18-36 | 112 17-36 | 109 3-39 | 96* 6-12 | 85* 7-15 | 77 30-21 | 118 7-18-36 |
| Frankfort Date | 1894-1914 | 71 19-95 | 82 26-96 | 96 29-95 | 97* 20-02 | 103* 8-95 | 114 25-11 | 114 5-11 | 113 8-13 | 107 5-13 | 96 1-97 | 87 3-09 | 76 7-94 | 114* 6-25-11 |
| Fredonia Date | 1902-1945 | 74 23-09 | 83 1-11 | 94 21-16 | 97 14-36 | 96* 24-11 | 110* 20-18 | 121 18-36 | 115 9-36 | 107 7-25 | 100 6-39 | 86 7-15 | 76* 13-21 | 121 7-18-36 |
| Garden City Date | 1893-1945 | 79 14-28 | 86 25-05 | 98 19-07 | 97 28-10 | 104 29-13 | 110 30-33 | 113 13-34 | 112 20-02 | 107* 1-22 | 97 17-26 | 91 5-24 | 79 6-39 | 113 7-13-34 |
| Goodland Date | 1895-1897 1906-1945 | 77 20-96 | 81 13-07 | 90* 19-07 | 90* 10-07 | 99* 17-27 | 109 18-36 | 111 25-40 | 108* 8-34 | 105 2-39 | 96 17-26 | 87 10-27 | 78 6-39 | 111 7-25-40 |
| Greensburg Date | 1893,1896 1907-1945 | 80* 14-28 | 84 23-18 | 95 21-07 | 95 28-10 | 103 23-39 | 110 25-11 | 112* 31-34 | 113* 12-36 | 106* 1-39 | 98 1-38 | 88 5-24 | 80* 6-39 | 113* 8-12-36 |
| Grenola Date | 1893-1927 | 74* 20-95 | 83 21-11 | 94* 3-07 | 98 6-93 | 99 29-13 | 109 20-18 | 110* 1-94 | 111* 9-93 | 110 13-93 | 96 3-98 | 86 1-15 | 79 13-21 | 111* 8-9-93 |
| Hanover Date | 1901-1945 | 71 27-34 | 81 28-32 | 94 25-07 | 100 20-02 | 105 30-34 | 114 25-11 | 116 15-34 | 116 13-36 | 110 1-22 | 97* 3-38 | 85 4-09 | 76 13-21 | 116* 7-15-34 |
| Hays Date | 1893-1904 1906-1945 | 79 22-43 | 84 23-18 | 97 21-07 | 99 20-02 | 106 23-39 | 114 25-11 | 117 13-34 | 115 13-36 | 111 5-31 | 98* 17-26 | 87 7-31 | 83 6-39 | 117 7-13-34 |
| Healy Date | 1902-1945 | 75* 31-11 | 81* 27-04 | 97 19-07 | 100 29-10 | 105 17-27 | 111 30-33 | 116 13-13 | 113 8-34 | 106 4-45 | 96* 3-16 | 87 5-45 | 82 1-17 | 116 7-13-13 |
| Herington Date | 1928-1945 | 68 26-44 | 81 24-30 | 87 31-40 | 93 9-30 | 99 31-34 | 106 28-33 | 110 31-34 | 113 13-36 | 105 3-31 | 95 4-28 | 80* 7-31 | 75 6-39 | 113 8-13-36 |
| Hill City Date | 1907-1945 | 81 22-43 | 81 23-18 | 93* 21-07 | 100 28-10 | 105 29-13 | 114 30-33 | 117 24-36 | 115 6-34 | 112 2-39 | 99 17-26 | 86 5-45 | 83 6-39 | 117 7-24-36 |

§ First figure in date gives day of month, second figure indicates year.

* On later dates also.

(Continued on next page)

HIGHEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCES - Continued

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|----------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|
| Horton | 1893-1945 | 72 | 82 | 94 | 96 | 104* | 108 | 111* | 112* | 107 | 96 | 84 | 74 | 112* |
| Date | 2-39 | 24-30 | 25-07 | 20-02 | 30-34 | 19-36 | 13-34 | 13-36 | 5-13 | 7-39 | 10-27 | 6-39 | 8-13-36 | |
| Hoxie | 1897-1898 | 80 | 82 | 91 | 99 | 102 | 110 | 114 | 111* | 105* | 97 | 91 | 83 | 114 |
| Date | 1900-1945 | 22-43 | 23-18 | 30-43 | 19-02 | 17-27 | 18-36 | 25-40 | 8-34 | 2-39 | 7-34 | 3-00 | 29-97 | 7-25-40 |
| Hugoton | 1904-1916 | 80 | 82 | 100 | 100 | 100 | 116 | 110 | 114 | 107 | 97 | 89 | 76 | 116 |
| Date | | 10-11 | 12-11 | 23-10 | 28-10 | 9-11 | 25-11 | 13-13 | 20-11 | 13-11 | 14-11 | 5-16 | 22-15 | 6-25-11 |
| Hutchinson | 1893-1945 | 75 | 84 | 95* | 99 | 106 | 112 | 116 | 115 | 109 | 98 | 90 | 80* | 116 |
| Date | | 10-11 | 24-36 | 27-95 | 6-93 | 29-13 | 25-11 | 31-34 | 12-36 | 13-93 | 9-21 | 26-94 | 6-94 | 7-31-34 |
| Independence | 1900-1945 | 75 | 86 | 98 | 96 | 102 | 109 | 112 | 116 | 111 | 99 | 86* | 77 | 116 |
| Date | | 7-07 | 1-11 | 19-07 | 14-36 | 31-34 | 22-36 | 24-34 | 9-36 | 2-39 | 6-39 | 3-31 | 13-21 | 8-9-36 |
| Iola | 1906-1945 | 72 | 82 | 94 | 96 | 98* | 105 | 114 | 110* | 106 | 96 | 85 | 74 | 114 |
| Date | | 29-11 | 24-30 | 20-07 | 14-36 | 31-13 | 20-18 | 18-36 | 9-36 | 3-39 | 6-39 | 1-37 | 6-39 | 7-18-36 |
| Jetmore | 1901-1945 | 82 | 86 | 98 | 97* | 103 | 111* | 114* | 114 | 109 | 98 | 87 | 82 | 114* |
| Date | | 5-27 | 23-18 | 21-07 | 20-02 | 23-39 | 30-33 | 13-34 | 11-36 | 5-31 | 17-26 | 10-27 | 6-39 | 7-13-34 |
| Johnson | 1894-1895 | 79* | 86 | 90 | 94* | 104 | 113 | 111 | 110* | 105* | 94 | 88 | 86 | 113 |
| Date | 1917-1945 | 14-28 | 25-17 | 28-95 | 14-95 | 17-27 | 30-33 | 13-34 | 1-35 | 1-39 | 5-21 | 10-27 | 6-39 | 6-30-33 |
| Junction City | 1893-1899 | 74 | 80 | 92 | 93 | 95* | 101* | 107 | 110 | 104* | 95 | 83* | 72 | 110 |
| Date | 1918-1925 1944-1945 | 16-94 | 14-21 | 28-95 | 15-24 | 28-95 | 18-24 | 23-20 | 3-18 | 11-19 | 4-98 | 5-24 | 13-21 | 8-3-18 |
| Lakin | 1900-1945 | 78 | 83 | 98 | 97* | 105 | 111 | 112 | 109* | 107 | 96 | 88 | 80 | 112 |
| Date | | 18-20 | 23-18 | 19-07 | 28-10 | 17-27 | 24-11 | 13-13 | 11-36 | 4-45 | 10-20 | 4-16 | 6-39 | 7-13-13 |
| Larned | 1904-1945 | 78 | 84 | 97 | 96* | 104* | 111 | 114 | 114 | 105* | 98* | 85* | 82 | 114* |
| Date | | 22-43 | 23-18 | 21-07 | 28-10 | 29-13 | 25-11 | 31-34 | 13-36 | 11-11 | 1-10 | 5-24 | 6-39 | 7-31-34 |
| Lawrence | 1894-1905 | 73 | 84 | 91 | 94 | 102 | 107* | 113 | 114* | 106* | 98 | 85 | 76 | 114* |
| Date | 1909-1945 | 21-95 | 24-30 | 22-10 | 29-10 | 30-34 | 29-34 | 18-36 | 10-34 | 5-13 | 7-39 | 3-24 | 6-39 | 8-10-34 |
| Leavenworth | 1901-1905 | 71 | 84 | 90 | 95 | 103 | 105 | 110* | 114 | 109 | 98 | 85 | 75 | 114 |
| Date | 1911-1945 | 21-34 | 24-30 | 21-16 | 10-30 | 30-34 | 20-36 | 13-34 | 14-36 | 3-39 | 7-39 | 1-37 | 6-39 | 8-14-36 |
| Lebanon | 1898-1914 | 74 | 71 | 96 | 98 | 101 | 107 | 110 | 109* | 104 | 90* | 79 | 63* | 110 |
| Date | | 10-11 | 12-11 | 21-07 | 28-10 | 30-13 | 25-11 | 5-11 | 25-13 | 5-13 | 1-99 | 4-09 | 1-07 | 7-5-11 |
| Lebo | 1893-1936 | 72* | 83 | 94 | 98 | 102 | 108 | 111 | 112 | 107 | 94 | 86 | 74 | 112 |
| Date | | 16-94 | 24-30 | 22-07 | 29-10 | 29-13 | 30-17 | 2-33 | 12-34 | 5-13 | 5-18 | 26-94 | 7-94 | 8-12-34 |
| Leoti | 1893-1895 | 76 | 79 | 88 | 94* | 103 | 110 | 111* | 109 | 105 | 96 | 85* | 77* | 111* |
| Date | 1901-1903 1911-1945 | 14-28 | 28-32 | 18-21 | 20-02 | 17-27 | 30-33 | 13-34 | 5-34 | 1-39 | 17-26 | 19-42 | 20-94 | 7-13-34 |
| Liberal | 1893-1894 | 85 | 83 | 92 | 97 | 106 | 113 | 113 | 111 | 108 | 99 | 88 | 82 | 113* |
| Date | 1907-1945 | 5-27 | 25-17 | 25-10 | 28-10 | 29-09 | 30-33 | 1-33 | 13-36 | 4-45 | 1-17 | 5-16 | 6-39 | 6-30-33 |
| Lincoln | 1912-1945 | 74* | 83 | 92 | 97 | 108 | 113* | 119 | 118 | 111 | 100 | 85* | 81 | 119 |
| Date | | 26-14 | 23-18 | 30-17 | 9-30 | 23-39 | 29-33 | 13-34 | 13-36 | 2-39 | 4-38 | 5-24 | 6-39 | 7-13-34 |
| McPherson | 1893-1945 | 72* | 83 | 94 | 97 | 106 | 114 | 117* | 117 | 109 | 97 | 85* | 77 | 117* |
| Date | | 10-11 | 23-18 | 21-07 | 29-10 | 23-39 | 25-11 | 18-36 | 12-36 | 5-31 | 4-98 | 4-09 | 19-02 | 7-18-36 |
| Macksville | 1893-1931 | 76 | 85 | 98 | 95* | 107 | 112 | 112* | 110* | 105 | 100* | 86 | 75* | 112* |
| Date | | 10-11 | 23-18 | 21-07 | 24-93 | 24-96 | 22-93 | 25-94 | 14-23 | 1-22 | 3-21 | 5-24 | 6-94 | 6-22-93 |
| Medison | 1900-1919 | 74* | 79 | 95* | 96 | 102* | 108* | 110 | 110 | 106 | 94 | 88 | 72 | 110* |
| Date | | 9-02 | 23-18 | 22-07 | 29-10 | 29-13 | 25-11 | 5-11 | 3-18 | 5-13 | 1-09 | 3-09 | 13-06 | 7-5-11 |
| Manhattan | 1893-1900 | 74* | 82 | 95* | 99 | 103* | 112 | 115* | 116 | 107 | 98 | 87 | 77 | 116 |
| Date | 1902-1945 | 16-94 | 24-30 | 28-95 | 29-10 | 30-34 | 25-11 | 14-34 | 13-36 | 1-22 | 3-38 | 4-09 | 6-39 | 8-13-36 |
| Marion | 1893-1921 | 73 | 82 | 92 | 97 | 103 | 108 | 111 | 109 | 109 | 97 | 86 | 73 | 111 |
| Date | | 16-94 | 23-18 | 21-16 | 6-93 | 29-13 | 25-11 | 24-01 | 3-18 | 10-19 | 2-98 | 4-09 | 4-16 | 7-24-01 |
| Medicine Lodge | 1895-1945 | 82* | 91 | 98 | 100 | 104 | 113 | 115 | 118 | 112 | 100 | 89* | 81 | 118 |
| Date | | 5-27 | 23-04 | 19-07 | 29-10 | 29-13 | 25-11 | 18-36 | 12-36 | 3-39 | 9-21 | 4-98 | 13-21 | 8-12-36 |

† First figure in date gives day of month, second figure indicates year. * On later dates also.
(Continued on next page)

HIGHEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCES¹ - Continued

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Minneapolis | 1893-1945 | 76 | 82 | 95 | 99* | 104 | 111* | 117 | 119* | 110 | 100 | 85 | 82 | 119* |
| Date | | 10-11 | 23-18 | 28-95 | 6-93 | 31-34 | 25-11 | 24-36 | 12-36 | 5-31 | 4-38 | 5-24 | 6-39 | 8-12-36 |
| Moran | 1895-1917 | 73 | 83 | 94* | 94 | 99 | 103* | 109* | 110 | 107 | 97* | 85 | 70* | 110 |
| Date | | 29-11 | 1-11 | 19-07 | 29-10 | 31-13 | 8-11 | 24-01 | 28-13 | 5-13 | 6-01 | 4-09 | 16-08 | 8-28-13 |
| Ness City | 1893-1909 | 72 | 88 | 95 | 97 | 102 | 109 | 109 | 110 | 104 | 93* | 85 | 80 | 110 |
| Date | 1914-1919 | 19-06 | 25-17 | 21-07 | 20-02 | 14-99 | 14-96 | 4-01 | 3-01 | 5-14 | 2-16 | 5-16 | 1-17 | 8-3-01 |
| Newton | 1897-1945 | 71 | 85 | 93* | 97 | 103* | 112 | 117 | 115 | 106* | 98 | 87 | 75* | 117 |
| Date | | 22-43 | 23-18 | 22-07 | 29-10 | 103* | 25-11 | 18-36 | 12-36 | 5-13 | 4-98 | 3-09 | 6-39 | 7-18-36 |
| Norton | 1893-1898 | 77 | 81* | 95 | 100 | 102* | 113 | 116 | 113 | 106 | 98 | 83* | 79 | 116 |
| Date | 1903-1945 | 10-11 | 25-17 | 21-07 | 28-10 | 28-95 | 30-33 | 24-36 | 11-36 | 2-39 | 1-24 | 5-21 | 6-39 | 7-24-36 |
| Norwich | 1896-1945 | 79 | 86 | 95 | 96 | 104 | 111* | 116 | 117 | 109 | 97* | 86 | 80 | 117 |
| Date | | 22-43 | 23-18 | 21-16 | 29-10 | 29-13 | 25-11 | 18-36 | 12-36 | 3-39 | 9-21 | 3-09 | 13-21 | 8-12-36 |
| Oakley | 1920-1945 | 78 | 80 | 89* | 94* | 101 | 108* | 111* | 108 | 105 | 95* | 87 | 80 | 111* |
| Date | | 22-43 | 28-32 | 29-43 | 9-30 | 17-27 | 26-36 | 24-36 | 6-34 | 4-45 | 17-26 | 5-45 | 6-39 | 7-24-36 |
| Oberlin | 1913-1945 | 77 | 79* | 93 | 96 | 102 | 110 | 114* | 110* | 107 | 97 | 84* | 80 | 114* |
| Date | | 22-43 | 25-17 | 30-43 | 23-39 | 19-37 | 30-33 | 24-36 | 11-36 | 2-39 | 3-16 | 5-15 | 6-39 | 7-24-36 |
| Oketo | 1908-1945 | 71 | 82 | 89* | 96 | 106 | 111 | 115* | 118 | 112 | 98 | 83* | 75 | 118 |
| Date | | 10-28 | 28-32 | 22-10 | 28-10 | 30-34 | 25-11 | 13-34 | 13-36 | 1-22 | 3-38 | 10-27 | 13-21 | 8-13-36 |
| Olathe | 1893-1904 | 72 | 81 | 92* | 96 | 101 | 107 | 110 | 111* | 107 | 94* | 84 | 70* | 111* |
| Date | 1906-1945 | 7-07 | 24-30 | 22-07 | 29-10 | 30-34 | 20-18 | 5-11 | 7-13 | 4-13 | 14-99 | 1-37 | 1-17 | 8-7-13 |
| Osage City | 1896-1912 | 72 | 84 | 93 | 94 | 100 | 109 | 118 | 115 | 107 | 96* | 86 | 77 | 118 |
| Date | 1915-1945 | 24-34 | 28-32 | 22-07 | 9-30 | 30-34 | 20-18 | 18-36 | 14-36 | 3-39 | 6-39 | 3-24 | 6-39 | 7-18-36 |
| Oswego | 1893-1924 | 76 | 87 | 95 | 97 | 98 | 107 | 109 | 110 | 108* | 97 | 84 | 77 | 110 |
| Date | | 20-95 | 1-11 | 20-07 | 5-93 | 8-95 | 18-18 | 24-94 | 4-23 | 13-93 | 2-97 | 4-09 | 22-04 | 8-4-23 |
| Ottawa | 1895-1945 | 73* | 83 | 93* | 96 | 100* | 106 | 114 | 113 | 107* | 98 | 85 | 75 | 114 |
| Date | | 7-07 | 24-30 | 22-07 | 29-10 | 30-34 | 30-33 | 18-36 | 14-36 | 5-13 | 7-39 | 4-09 | 6-39 | 7-18-36 |
| Parsons | 1925-1945 | 73* | 80* | 90* | 98 | 101 | 108 | 113 | 113 | 108 | 97 | 86 | 76 | 113* |
| Date | | 16-38 | 24-30 | 24-29 | 14-36 | 31-34 | 23-34 | 24-34 | 9-36 | 2-39 | 6-39 | 1-37 | 6-39 | 7-24-34 |
| Phillipsburg | 1893-1902 | 77 | 83 | 97 | 101 | 106 | 114 | 120 | 117 | 110 | 100 | 87 | 82 | 120 |
| Date | 1904-1945 | 10-11 | 25-17 | 21-07 | 28-10 | 28-95 | 26-36 | 24-36 | 6-34 | 13-95 | 22-99 | 7-31 | 6-39 | 7-24-36 |
| Plains | 1910-1927 | 77 | 84 | 89 | 95 | 103 | 110 | 110 | 108* | 103 | 98 | 88 | 79 | 110* |
| Date | | 10-11 | 23-18 | 6-25 | 29-10 | 21-25 | 25-11 | 30-17 | 23-22 | 1-26 | 15-17 | 5-16 | 1-17 | 6-25-11 |
| Plainville | 1905-1910 | 76 | 81 | 94 | 96* | 103* | 114 | 116 | 113 | 108 | 97* | 86 | 83 | 116 |
| Date | 1914-1945 | 22-43 | 23-36 | 30-17 | 9-30 | 30-34 | 30-33 | 24-36 | 9-37 | 2-39 | 1-24 | 5-45 | 6-39 | 7-24-36 |
| Pleasanton | 1903-1917 | 72 | 79 | 91 | 89* | 98 | 101 | 105* | 107* | 104 | 93 | 83 | 68 | 107* |
| Date | | 19-06 | 1-11 | 21-16 | 8-05 | 31-13 | 25-11 | 3-11 | 12-13 | 4-13 | 6-12 | 6-15 | 13-06 | 8-12-13 |
| Pratt | 1895-1945 | 80 | 83* | 98 | 95* | 103 | 115 | 115 | 115* | 107* | 97 | 86 | 79 | 115* |
| Date | | 22-43 | 23-18 | 21-07 | 28-10 | 23-39 | 25-11 | 18-36 | 12-36 | 11-11 | 9-21 | 5-24 | 31-01 | 6-25-11 |
| Quinter | 1911 only | 77 | 79* | 90 | 96 | 105 | 110* | 113* | 111* | 107 | 97 | 85 | 82 | 113* |
| Date | 1913-1914 | 22-43 | 12-11 | 30-43 | 9-30 | 23-39 | 25-11 | 24-36 | 1-34 | 2-39 | 17-26 | 5-45 | 6-39 | 7-24-36 |
| Date | 1916-1945 | | | | | | | | | | | | | |
| Richfield | 1892-1905 | 82 | 85 | 91 | 95* | 105 | 111* | 110* | 108 | 102* | 95 | 87* | 84 | 111* |
| Date | 1911-1941 | 5-27 | 28-04 | 31-93 | 26-11 | 29-96 | 14-96 | 13-13 | 1-35 | 7-02 | 17-26 | 6-14 | 6-39 | 6-14-96 |
| Russell | 1895-1945 | 80 | 81 | 98 | 96 | 104* | 113* | 118 | 116 | 111 | 97* | 88 | 82 | 118 |
| Date | | 10-11 | 28-32 | 23-10 | 10-96 | 14-99 | 25-11 | 24-36 | 13-36 | 5-31 | 14-17 | 5-45 | 6-39 | 7-24-36 |
| St. Francis | 1908-1945 | 74* | 78* | 91 | 97 | 102 | 109 | 111* | 110 | 105* | 95* | 89 | 80 | 111* |
| Date | | 10-11 | 25-17 | 29-43 | 28-10 | 13-41 | 23-37 | 24-36 | 2-38 | 5-31 | 21-21 | 10-27 | 6-39 | 7-24-36 |
| Salina | 1894-1945 | 75 | 84* | 96 | 98 | 106 | 114 | 116* | 118 | 110 | 98* | 84* | 81 | 118 |
| Date | | 10-11 | 23-18 | 21-07 | 20-02 | 23-39 | 25-11 | 18-36 | 13-36 | 5-31 | 3-38 | 6-14 | 6-39 | 8-13-36 |

¹ First figure in date gives day of month, second figure indicates year.

* On later dates also.

(Continued on next page)

HIGHEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCES[†] - Continued

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|-------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Scott City | 1895-1902 | 78 | 80 | 98 | 98 | 104* | 109 | 114 | 108* | 107 | 98 | 87* | 82 | 114 |
| Date | 1906-1945 | 5-27 | 28-06 | 19-07 | 21-14 | 21-25 | 30-17 | 13-13 | 25-13 | 5-14 | 8-10 | 15-41 | 6-39 | 7-13-13 |
| Sedan | 1893-1945 | 75* | 84* | 95* | 96 | 100 | 108 | 118 | 116 | 113 | 100 | 87 | 79 | 118 |
| Date | | 20-95 | 1-11 | 20-07 | 14-36 | 31-34 | 22-36 | 18-36 | 9-36 | 2-39 | 6-39 | 1-37 | 13-21 | 7-18-36 |
| Sharon Springs .. | 1903-1926 | 74* | 81 | 98 | 96 | 100* | 106* | 109 | 108 | 104 | 94 | 85 | 79* | 109 |
| Date | | 10-11 | 27-04 | 19-07 | 28-10 | 29-13 | 21-10 | 7-13 | 9-13 | 7-08 | 21-21 | 3-15 | 1-17 | 7-7-13 |
| Smith Center | 1912-1925 | 70 | 81 | 90 | 92* | 105 | 107 | 112 | 110* | 105* | 98 | 80* | 73 | 112 |
| Date | | 29-13 | 25-17 | 18-21 | 21-14 | 29-13 | 30-17 | 16-13 | 5-13 | 6-13 | 1-24 | 2-14 | 12-21 | 7-16-13 |
| Sublette | 1913-1945 | 80 | 82* | 89 | 95 | 103* | 110 | 110* | 111* | 105 | 95 | 87 | 80 | 111* |
| Date | | 14-28 | 23-18 | 31-40 | 21-25 | 17-27 | 30-33 | 24-40 | 12-36 | 4-45 | 4-31 | 5-16 | 6-39 | 8-12-36 |
| Syracuse | 1892-1902 | 76* | 81 | 94 | 97 | 103 | 110 | 114 | 110 | 106* | 97 | 87* | 80 | 114 |
| Date | 1906-1920 | 26-14 | 7-43 | 29-43 | 1-40 | 26-45 | 21-08 | 14-13 | 10-37 | 1-39 | 8-10 | 5-16 | 6-39 | 7-14-13 |
| | 1936-1945 | | | | | | | | | | | | | |
| Topeka | 1887-1945 | 74 | 83 | 93 | 97 | 103 | 109 | 114 | 113 | 108 | 97 | 84 | 77 | 114 |
| Date | | 2-39 | 24-30 | 22-07 | 6-93 | 30-34 | 19-36 | 24-36 | 14-36 | 2-39 | 7-39 | 3-24 | 6-39 | 7-24-36 |
| Toronto | 1897-1945 | 75 | 85 | 96* | 97 | 105 | 107 | 115 | 114 | 109* | 99* | 86* | 78 | 115 |
| Date | | 7-07 | 1-11 | 20-07 | 28-05 | 31-13 | 25-11 | 18-36 | 9-36 | 5-13 | 6-39 | 5-09 | 9-39 | 7-18-36 |
| Tribune | 1893-1896 | 73 | 78 | 88* | 92 | 101 | 107 | 109 | 106 | 103* | 92* | 84 | 78 | 109 |
| Date | 1899-1901 | 22-43 | 28-32 | 18-21 | 23-39 | 26-27 | 18-36 | 25-40 | 6-34 | 4-99 | 4-18 | 5-16 | 6-39 | 7-25-40 |
| | 1913-1945 | | | | | | | | | | | | | |
| Ulysses | 1893-1945 | 80 | 84* | 98 | 98 | 103* | 111* | 111 | 108* | 107 | 97 | 88* | 86 | 111* |
| Date | | 22-43 | 27-04 | 20-07 | 17-09 | 29-95 | 21-93 | 6-93 | 10-96 | 4-45 | 13-94 | 25-10 | 6-39 | 6-21-93 |
| Valley Falls | 1899-1945 | 75 | 83 | 92* | 96 | 106 | 108* | 114* | 114* | 107 | 97* | 84* | 75 | 114* |
| Date | | 2-39 | 24-30 | 22-07 | 29-10 | 30-34 | 29-34 | 25-34 | 10-34 | 3-39 | 4-38 | 3-24 | 6-39 | 7-25-34 |
| Wakarusa | 1904-1945 | 79 | 80* | 95 | 98* | 103* | 110* | 115 | 112* | 106 | 99 | 85 | 81 | 115 |
| Date | | 22-43 | 25-17 | 21-07 | 28-10 | 29-13 | 25-11 | 24-36 | 13-36 | 2-39 | 17-26 | 7-31 | 6-39 | 7-24-36 |
| Walnut | 1902-1920 | 73 | 83 | 95 | 90* | 96 | 106* | 108 | 111 | 105 | 96 | 85* | 72 | 111 |
| Date | | 23-09 | 1-11 | 20-07 | 8-05 | 31-13 | 18-18 | 3-11 | 3-18 | 4-13 | 4-09 | 5-15 | 4-06 | 8-3-18 |
| Wamego | 1913-1945 | 74 | 82 | 90 | 94* | 102* | 108* | 113* | 114 | 106 | 98* | 88 | 80 | 114 |
| Date | | 2-39 | 24-30 | 21-16 | 9-30 | 30-34 | 20-18 | 15-34 | 13-36 | 1-22 | 3-38 | 6-15 | 6-39 | 8-13-36 |
| Wellington | 1911-1918 | 74 | 85 | 94* | 98 | 103 | 112 | 120 | 119 | 112* | 101 | 86 | 76 | 120 |
| Date | 1922-1945 | 22-43 | 23-18 | 21-16 | 14-36 | 29-13 | 5-33 | 18-36 | 12-36 | 2-39 | 6-39 | 21-13 | 6-39 | 7-18-36 |
| Wichita | 1889-1945 | 74 | 82 | 92 | 98 | 100 | 109 | 112 | 114 | 106 | 95* | 83* | 75* | 114 |
| Date | | 10-11 | 23-30 | 21-16 | 6-93 | 31-34 | 5-33 | 18-36 | 12-36 | 3-39 | 3-98 | 6-91 | 13-21 | 8-12-36 |
| Winfield | 1894-1896 | 75 | 85 | 94 | 96 | 102* | 110 | 115 | 118 | 110 | 100 | 85* | 76 | 118 |
| Date | 1898-1945 | 10-11 | 23-30 | 31-40 | 9-30 | 29-13 | 5-33 | 18-36 | 12-36 | 5-31 | 3-98 | 4-24 | 13-21 | 8-12-36 |
| Tates Center | 1893-1929 | 73 | 81* | 95* | 96 | 102 | 106 | 109 | 108* | 106* | 94 | 93 | 73 | 109 |
| Date | | 7-07 | 23-04 | 21-07 | 6-93 | 30-13 | 20-18 | 5-11 | 17-09 | 13-93 | 14-99 | 3-09 | 13-21 | 7-5-11 |
| Kansas City, Mo.. | 1889-1945 | 70* | 81 | 91 | 95 | 103 | 108 | 110 | 113 | 107 | 98 | 83* | 74 | 113 |
| Date | | 7-07 | 24-30 | 21-07 | 29-10 | 30-34 | 23-34 | 24-34 | 14-36 | 3-39 | 7-39 | 1-37 | 6-39 | 8-14-36 |
| St. Joseph, Mo... | 1910-1945 | 71 | 83 | 89 | 93 | 103 | 105 | 108 | 110 | 106 | 96 | 82 | 72 | 110 |
| Date | | 2-39 | 24-30 | 22-10 | 4-42 | 30-34 | 19-36 | 20-34 | 13-36 | 3-39 | 7-39 | 1-38 | 6-39 | 8-13-36 |

[†] First figure in date gives day of month, second figure indicates year.

* On later dates also.

- - - - - 0 - - - - -

LOWEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCE[†]

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|-------------------|------------------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|--------|---------|
| Abilene | 1893-1903 | -20 | -29 | -6 | 9 | 31* | 34 | 47 | 42 | 25 | 16 | -6 | -10* | -29 |
| Date | 1914-1928 | 3-19 | 12-99 | 3-16 | 5-20 | 9-23 | 20-02 | 3-24 | 30-15 | 30-95 | 30-17 | 23-98 | 21-16 | 2-12-99 |
| Alden | 1913-1945 | -19 | -17 | -6 | 10 | 28 | 45* | 47 | 43* | 28 | 12 | -5 | -13 | -19 |
| Date | | 3-19 | 8-33 | 3-16 | 3-36 | 6-44 | 7-15 | 3-24 | 30-15 | 29-16 | 30-17 | 22-29 | 10-19 | 1-3-19 |
| Alton | 1902-1945 | -25* | -29 | -12 | 8 | 19 | 40 | 44 | 33 | 23 | 9 | -12 | -22 | -29 |
| Date | | 14-05 | 13-05 | 7-43 | 3-36 | 1-09 | 5-20 | 2-24 | 26-10 | 29-16 | 29-13 | 22-29 | 21-16 | 2-13-05 |
| Anthony | 1906-1945 | -15 | -13 | -1 | 13 | 26 | 43 | 49* | 43 | 30 | 12 | 8 | -8 | -15 |
| Date | | 12-12 | 8-33 | 7-20 | 3-36 | 1-09 | 4-19 | 5-15 | 31-15 | 29-16 | 30-17 | 29-11 | 20-24 | 1-12-12 |
| Ashland | 1893-1945 | -19 | -24 | -8 | 12* | 22 | 35 | 48* | 40 | 28 | 12 | -1* | -10 | -24 |
| Date | | 3-11 | 11-99 | 1-03 | 2-36 | 1-09 | 11-96 | 8-95 | 31-15 | 27-96 | 30-25 | 21-06 | 12-32 | 2-11-99 |
| Atchison | 1893-1945 | -28 | -25 | -6 | 8 | 23 | 42 | 46 | 43 | 30* | 11 | 0* | -18 | -28 |
| Date | | 22-30 | 12-99 | 2-13 | 5-20 | 1-09 | 4-45 | 1-24 | 30-15 | 27-42 | 28-25 | 30-96 | 28-24 | 1-22-30 |
| Atwood | 1894-1905 | -33 | -31 | -15 | 1 | 15 | 31 | 39 | 35 | 21 | 1 | -13 | -24 | -33 |
| Date | 1908-1945 | 12-12 | 12-99 | 7-20 | 2-36 | 1-09 | 2-17 | 31-25 | 26-10 | 17-03 | 23-17 | 14-40 | 9-19 | 1-12-12 |
| Belleville | 1902-1945 | -26 | -31 | -14 | 10 | 25 | 36 | 45 | 39 | 22 | 11 | -15 | -23 | -31 |
| Date | | 8-13 | 13-05 | 17-06 | 3-36 | 3-07 | 5-07 | 25-11 | 24-28 | 30-12 | 30-17 | 22-29 | 12-32 | 2-13-05 |
| Beloit | 1893-1904 | -27 | -20 | -12 | 7 | 27 | 42* | 46 | 41 | 24 | 12 | -1 | -15* | -27 |
| Date | 1911-1925 | 8-13 | 7-95 | 2-13 | 5-20 | 2-11 | 2-01 | 25-11 | 30-15 | 29-16 | 30-19 | 21-16 | 1-8-13 | |
| Bison | 1893 only | -25 | -22 | -11 | 6 | 17 | 38 | 43 | 36 | 25* | 11 | -9 | -15 | -25 |
| Date | 1902-1945 | 12-12 | 13-05 | 7-43 | 6-36 | 1-09 | 2-17 | 3-24 | 26-10 | 20-18 | 30-17 | 22-29 | 12-32 | 1-12-12 |
| Burlington | 1894-1945 | -22 | -27* | -6 | 13 | 24 | 40 | 47 | 44 | 30* | 15 | 3* | -9* | -27* |
| Date | | 22-30 | 12-99 | 7-43 | 3-36 | 4-07 | 4-97 | 5-15 | 27-10 | 29-16 | 30-25 | 26-95 | 28-24 | 2-12-99 |
| Burr Oak | 1900-1945 | -30 | -30 | -16 | 6* | 21 | 39* | 45* | 36 | 22 | 9 | -19 | -23 | -30* |
| Date | | 8-13 | 13-05 | 7-43 | 3-36 | 1-09 | 11-03 | 10-05 | 26-10 | 30-12 | 30-19 | 22-29 | 12-32 | 2-13-05 |
| Cawker City | 1893-1894 | -23 | -19 | -7 | 10 | 26 | 42 | 47 | 39 | 26 | 12 | -9 | -19 | -23 |
| Date | 1913-1933 | 11-18 | 8-33 | 3-16 | 5-20 | 11-27 | 5-20 | 2-24 | 24-28 | 29-16 | 30-17 | 22-29 | 10-19 | 1-11-18 |
| Centralia | 1909-1945 | -27 | -20* | -15 | 0 | 25* | 39 | 44* | 39 | 24 | 8 | -2 | -21 | -27 |
| Date | | 5-24 | 5-36 | 2-13 | 5-20 | 1-09 | 5-20 | 25-11 | 30-15 | 29-16 | 30-25 | 22-29 | 15-43 | 1-5-24 |
| Chanute | 1898-1904 | -19 | -23 | -3 | 14 | 28 | 45* | 48 | 45* | 31 | 19* | 1 | -9* | -23 |
| Date | 1909-1945 | 12-18 | 12-99 | 7-43 | 3-36 | 1-09 | 8-30 | 3-24 | 27-10 | 27-42 | 28-25 | 16-32 | 8-17 | 2-12-99 |
| Chapman | 1904-1945 | -26 | -29 | -10* | 2 | 22* | 40 | 44 | 40 | 27 | 12 | -5 | -15* | -29 |
| Date | | 5-24 | 13-05 | 1-13 | 5-20 | 4-07 | 5-20 | 3-24 | 28-16 | 30-12 | 30-17 | 22-29 | 10-19 | 2-13-05 |
| Cimarron | 1911-1945 | -22 | -19 | -15 | 7* | 28* | 34 | 45 | 41* | 25 | 7 | -7 | -15 | -22 |
| Date | | 11-18 | 8-33 | 7-20 | 2-36 | 4-17 | 2-17 | 3-24 | 28-17 | 30-20 | 30-17 | 13-40 | 12-32 | 1-11-18 |
| Clay Center | 1902-1945 | -23 | -35 | -12 | 9 | 21 | 41* | 46* | 38 | 25 | 13 | -2 | -17 | -35 |
| Date | | 8-13 | 13-05 | 2-13 | 5-20 | 1-09 | 11-03 | 25-11 | 27-06 | 30-12 | 30-17 | 22-29 | 15-43 | 2-13-05 |
| Climax | 1909-1945 | -22 | -14 | -10 | 11 | 27 | 40 | 46 | 42 | 29 | 11 | 5 | -8* | -22 |
| Date | | 19-43 | 8-33 | 7-43 | 3-36 | 1-09 | 10-13 | 3-24 | 31-15 | 29-16 | 30-17 | 22-29 | 8-17 | 19-43 |
| Colby | 1893-1945 | -28 | -31 | -13 | -1 | 17* | 33 | 38 | 39* | 21* | 7* | -11 | -21* | -31 |
| Date | | 12-12 | 12-99 | 7-20 | 2-36 | 1-93 | 2-17 | 9-05 | 22-04 | 25-26 | 29-13 | 28-96 | 31-98 | 2-12-99 |
| Coldwater | 1893-1896 | -18 | -15 | -7 | 13 | 22 | 40 | 50 | 42 | 32* | 14 | 0 | -14 | -18 |
| Date | 1906-1945 | 12-12 | 8-33 | 7-20 | 2-36 | 1-09 | 2-17 | 31-25 | 30-15 | 29-95 | 30-17 | 21-06 | 28-94 | 1-12-12 |
| Columbus | 1892-1945 | -19 | -28 | -17 | 20* | 28 | 42 | 49* | 44 | 30 | 15 | 4* | -12* | -28 |
| Date | | 22-30 | 13-05 | 7-43 | 1-99 | 1-09 | 15-17 | 5-15 | 31-15 | 27-42 | 30-17 | 16-94 | 8-17 | 2-13-05 |
| Concordia | 1885-1945 | -25 | -25 | -4 | 14 | 24 | 43 | 46 | 41 | 29 | 15 | -15 | -14 | -25* |
| Date | | 15-88 | 12-99 | 2-13 | 3-36 | 1-09 | 2-92 | 9-95 | 23-91 | 30-95 | 28-25 | 27-87 | 10-19 | 1-15-88 |
| Cottonwood Falls | 1902-1903 | -24 | -30 | -8 | 10 | 22 | 40* | 42 | 40 | 28* | 14 | -5 | -12 | -30 |
| Date | 1905-1945 | 18-30 | 13-05 | 7-43 | 5-20 | 4-07 | 12-03 | 3-24 | 27-10 | 30-12 | 30-17 | 13-40 | 28-24 | 2-13-05 |

† First figure in date gives day of month, second figure indicates year.

* On later dates also.

(Continued on next page)

LOWEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCE - Continued

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|-------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Council Grove .. | 1908-1945 | -21 | -17 | -8 | 2 | 25 | 39 | 44* | 40 | 28 | 14 | -1 | -17 | -21 |
| Date | | 19-43 | 8-33 | 7-43 | 5-20 | 1-09 | 5-20 | 5-15 | 31-15 | 21-18 | 30-17 | 13-40 | 19-45 | 1-19-43 |
| Cunningham | 1893-1900 | -18 | -24 | -2 | 19* | 21 | 40* | 49 | 41 | 25 | 18* | 0* | -14 | -24 |
| Date | 1902-1917 | 12-12 | 12-99 | 3-16 | 2-96 | 1-09 | 1-94 | 14-98 | 29-93 | 30-95 | 26-98 | 29-96 | 28-94 | 2-12-99 |
| Dalton | 1896-1898 | -20 | -31 | 2* | 19 | 24 | 42* | 49* | 40 | 28 | 10 | 7 | -9* | -31 |
| Date | 1900-1922 | 15-05 | 13-05 | 7-20 | 9-14 | 1-09 | 14-17 | 25-11 | 31-15 | 29-16 | 30-17 | 29-11 | 8-17 | 2-13-05 |
| Dodge City | 1875-1945 | -20 | -26 | -10 | 9 | 19 | 36 | 46 | 43 | 30* | 10 | -13 | -15 | -26 |
| Date | | 19-85 | 12-99 | 7-20 | 2-36 | 1-09 | 2-17 | 10-05 | 30-15 | 30-76 | 27-78 | 27-87 | 26-76 | 2-12-99 |
| Dresden | 1895-1945 | -29 | -26 | -12 | -2 | 18 | 34 | 43* | 40 | 19 | 7 | -10 | -20 | -29 |
| Date | | 12-12 | 12-99 | 6-43 | 2-36 | 1-09 | 2-17 | 4-15 | 24-28 | 25-26 | 28-25 | 14-40 | 9-19 | 1-12-12 |
| El Dorado | 1893-1896 | -17 | -28 | -10 | 12 | 25* | 43* | 44 | 42* | 29 | 12 | -4 | -9 | -28 |
| Date | 1898 only | 18-30 | 13-05 | 7-43 | 3-36 | 4-07 | 7-35 | 3-24 | 29-93 | 29-16 | 30-17 | 13-40 | 28-24 | 2-13-05 |
| | 1903-1945 | | | | | | | | | | | | | |
| Elkhart | 1925-1935 | -17 | -14 | -1* | 13 | 31 | 42* | 48 | 45 | 31* | 10 | 3 | -11 | -17 |
| Date | 1937-1945 | 18-30 | 9-33 | 1-27 | 4-45 | 2-29 | 5-28 | 5-31 | 24-28 | 26-34 | 28-25 | 14-40 | 12-32 | 1-18-30 |
| Ellinwood | 1895-1925 | -25 | -21* | -7 | 14* | 17 | 41* | 48* | 40 | 28 | 9 | -3 | -12 | -25 |
| Date | | 8-13 | 11-99 | 7-20 | 2-98 | 1-09 | 5-97 | 9-95 | 26-10 | 20-18 | 30-17 | 23-98 | 25-18 | 1-8-13 |
| Ellsworth | 1904-1,45 | -30 | -28 | -8 | 7 | 17 | 40 | 44 | 40 | 25 | 8 | -7 | -14 | -30 |
| Date | | 8-13 | 13-05 | 3-16 | 5-20 | 1-09 | 6-19 | 25-11 | 26-10 | 30-12 | 30-17 | 22-29 | 10-19 | 1-8-13 |
| Emporia | 1893-1945 | -22 | -23 | -7 | 8 | 25* | 42 | 46 | 44 | 31 | 17* | -1 | -12 | -23 |
| Date | | 18-30 | 13-05 | 1-00 | 3-36 | 4-07 | 5-20 | 3-24 | 30-15 | 26-12 | 30-17 | 13-40 | 19-45 | 2-13-05 |
| Ekridge | 1897-1899 | -21 | -18 | -5 | 11 | 26 | 42 | 49* | 43 | 29 | 15* | 1 | -12* | -21 |
| Date | 1906-1945 | 12-12 | 8-33 | 19-23 | 3-36 | 6-44 | 7-35 | 3-24 | 30-15 | 27-42 | 30-17 | 14-40 | 29-17 | 1-12-12 |
| Fall River | 1896-1918 | -18 | -31 | 0* | 17 | 26* | 40* | 47 | 42 | 28 | 15 | 6 | -10 | -31 |
| Date | | 12-18 | 13-05 | 1-00 | 1-99 | 4-07 | 12-13 | 5-15 | 31-15 | 29-16 | 30-17 | 29-11 | 8-17 | 2-13-05 |
| Fort Scott | 1896-1945 | -19 | -24 | -2 | 16* | 25 | 42* | 48* | 42 | 29* | 17 | 1 | -10 | -24 |
| Date | | 12-18 | 13-05 | 7-43 | 5-20 | 4-07 | 1-97 | 5-15 | 31-15 | 29-08 | 30-17 | 16-32 | 14-98 | 2-13-05 |
| Frankfort | 1894-1914 | -27 | -35 | -15 | 9 | 23 | 41* | 46 | 41 | 27 | 16 | -10 | -11 | -35 |
| Date | | 8-13 | 13-05 | 2-13 | 1-99 | 4-07 | 11-03 | 11-05 | 26-10 | 29-99 | 31-05 | 23-98 | 14-01 | 2-13-05 |
| Frederia | 1902-1945 | -21 | -26 | -7 | 12 | 26 | 44 | 47 | 44 | 31 | 14 | 3 | -9 | -26 |
| Date | | 12-18 | 13-05 | 7-43 | 3-36 | 1-09 | 14-42 | 3-24 | 30-15 | 27-42 | 30-17 | 16-32 | 8-17 | 2-13-05 |
| Garden City | 1893-1945 | -23 | -32 | -10* | 7 | 22 | 36* | 44 | 40 | 22 | 8 | -6 | -17 | -32 |
| Date | | 12-12 | 12-99 | 1-03 | 2-36 | 1-09 | 2-17 | 10-05 | 30-15 | 29-95 | 29-17 | 22-29 | 28-94 | 2-12-99 |
| Goodland | 1895-1897 | -21 | -22* | -12 | 0 | 22 | 33 | 40 | 41* | 21 | 1 | -8 | -23 | -23 |
| Date | 1906-1945 | 6-12 | 9-33 | 7-20 | 2-36 | 3-07 | 2-17 | 11-95 | 29-17 | 25-26 | 29-17 | 28-96 | 9-19 | 12-9-19 |
| Greensburg | 1893, 1896 | -20* | -19 | -7 | 11* | 19 | 42* | 49 | 40 | 28 | 14 | 2 | -14 | -20* |
| Date | 1907-1945 | 7-12 | 8-33 | 7-20 | 2-36 | 1-09 | 6-10 | 31-25 | 30-15 | 20-18 | 29-17 | 14-16 | 12-32 | 1-7-12 |
| Grenola | 1893-1927 | -16 | -23 | -1 | 16 | 24 | 39 | 47 | 43 | 30 | 12 | 7* | -8 | -23 |
| Date | | 12-18 | 13-05 | 7-20 | 1-99 | 1-03 | 4-97 | 3-24 | 31-15 | 26-12 | 30-17 | 26-95 | 8-17 | 2-13-05 |
| Hanover | 1901-1945 | -24 | -21 | -12 | 9 | 21 | 40 | 46* | 38 | 26 | 4 | -8 | -19 | -24 |
| Date | | 5-24 | 8-33 | 2-13 | 3-36 | 14-04 | 7-35 | 1-24 | 26-04 | 29-16 | 30-25 | 22-29 | 10-19 | 1-5-24 |
| Hays | 1893-1904 | -23 | -24 | -12 | 2 | 17 | 31 | 37 | 36* | 20 | 9 | -6 | -21 | -24 |
| Date | 1906-1945 | 12-12 | 7-95 | 7-43 | 19-96 | 15-07 | 6-94 | 8-95 | 27-06 | 20-95 | 30-17 | 26-95 | 28-94 | 2-7-95 |
| Healy | 1902-1945 | -31 | -24 | -17 | 4 | 20 | 33 | 43* | 39* | 26* | 5 | -9 | -19 | -31 |
| Date | | 11-18 | 8-33 | 7-20 | 2-36 | 27-07 | 2-17 | 9-05 | 30-15 | 30-20 | 29-17 | 14-40 | 12-32 | 1-11-18 |
| Herington | 1928-1945 | -15 | -14 | -3 | 18 | 28 | 41 | 51 | 45 | 28 | 20 | -4 | -10* | -15 |
| Date | | 19-43 | 8-33 | 1-39 | 12-40 | 6-44 | 14-42 | 4-40 | 24-28 | 30-39 | 31-30 | 13-40 | 12-32 | 1-19-43 |
| Hill City | 1907-1945 | -24 | -23 | -10* | 4 | 26* | 37 | 45 | 39 | 19 | 8 | -10 | -19 | -24 |
| Date | | 12-12 | 8-33 | 7-20 | 2-36 | 3-07 | 2-17 | 5-24 | 24-28 | 20-10 | 29-13 | 14-40 | 12-32 | 1-12-12 |

* First figure in date gives day of month, second figure indicates year.

* On later dates also.

(Continued on next page)

LOWEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCE¹ - Continued

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Horton | 1893-1945 | -25 | -25* | -9 | 9 | 26 | 40 | 48 | 42 | 27 | 11* | -2 | -19 | -25* |
| Date | | 5-24 | 12-99 | 2-13 | 5-20 | 4-07 | 7-35 | 31-25 | 30-15 | 27-42 | 28-25 | 28-37 | 6-43 | 2-12-99 |
| Hoxie | 1897-1945 | -28 | -30 | -16 | 3 | 17 | 33 | 44 | 38 | 23 | 5 | -10 | -19 | -30 |
| Date | | 11-18 | 13-99 | 7-20 | 2-36 | 1-09 | 2-17 | 9-05 | 30-15 | 25-26 | 29-13 | 14-40 | 12-32 | 2-13-99 |
| Hugoton | 1904-1916 | -22 | -18 | -3* | 16 | 19 | 38 | 42 | 38 | 30 | 3 | -8 | -10 | -22 |
| Date | | 7-12 | 13-05 | 12-09 | 21-07 | 1-09 | 7-15 | 30-06 | 26-10 | 28-08 | 15-14 | 21-06 | 31-11 | 1-7-12 |
| Hutchinson | 1893-1945 | -20 | -27 | -6 | 12 | 23 | 39 | 46* | 41 | 29 | 9 | -4 | -14 | -27 |
| Date | | 7-13 | 13-05 | 7-20 | 2-36 | 1-09 | 12-03 | 3-24 | 26-10 | 20-18 | 30-17 | 22-29 | 27-94 | 2-13-05 |
| Independence ... | 1900-1945 | -19 | -23 | -5 | 15 | 28 | 42 | 46 | 43 | 30 | 16 | 7* | -10 | -23 |
| Date | | 22-30 | 13-05 | 7-43 | 3-36 | 1-09 | 15-17 | 3-24 | 31-15 | 29-16 | 30-17 | 16-32 | 19-45 | 2-13-05 |
| Iola | 1906-1945 | -18* | -11 | -1 | 16 | 28 | 44 | 49 | 44 | 32* | 16 | 4 | -8* | -18* |
| Date | | 12-18 | 8-33 | 7-43 | 3-36 | 4-07 | 10-13 | 3-24 | 31-15 | 28-08 | 28-25 | 16-32 | 8-17 | 1-12-18 |
| Jetmore | 1900-1945 | -24 | -21* | -10 | 8 | 23 | 35 | 45* | 36 | 26 | 9 | -5 | -15 | -24 |
| Date | | 11-18 | 16-03 | 7-20 | 6-36 | 1-09 | 2-17 | 4-24 | 30-15 | 30-20 | 30-17 | 22-29 | 10-19 | 1-11-18 |
| Johnson | 1894-1895 | -20 | -19 | -17 | 6 | 26* | 34 | 43* | 43 | 28 | 4 | -4 | -17* | -20 |
| Date | 1917-1945 | 5-42 | 8-33 | 7-20 | 2-36 | 10-24 | 2-19 | 3-24 | 25-34 | 26-42 | 30-25 | 13-40 | 9-19 | 1-5-42 |
| Junction City .. | 1893-1899 | -23 | -28 | -8 | 8 | 30 | 36 | 43 | 40* | 29 | 17 | -1 | -12* | -28 |
| Date | 1918-1925 | 5-24 | 12-99 | 19-23 | 5-20 | 17-45 | 11-96 | 3-24 | 4-94 | 29-24 | 31-23 | 23-98 | 10-19 | 2-12-99 |
| Date | 1944-1945 | | | | | | | | | | | | | |
| Lakin | 1893-1945 | -23* | -20 | -17 | 8 | 20 | 30 | 42* | 37 | 27 | 5 | -7 | -18 | -23* |
| Date | | 12-12 | 13-05 | 7-20 | 2-36 | 1-09 | 1-99 | 24-93 | 26-10 | 25-12 | 29-17 | 22-29 | 12-32 | 1-12-12 |
| Larned | 1904-1945 | -22 | -24 | -9 | 10* | 16 | 38 | 44 | 39 | 27 | 14* | -4 | -12 | -24 |
| Date | | 14-05 | 13-05 | 7-20 | 2-36 | 1-09 | 2-07 | 10-05 | 27-06 | 20-18 | 29-13 | 21-06 | 12-32 | 2-13-05 |
| Lawrence | 1894-1905 | -20 | -24 | -3 | 11 | 30* | 40 | 50* | 44 | 31* | 16 | 4* | -15 | -24 |
| Date | 1908-1945 | 12-12 | 12-99 | 7-43 | 5-20 | 1-09 | 9-13 | 1-24 | 30-15 | 29-16 | 28-25 | 29-96 | 16-32 | 2-12-99 |
| Leavenworth | 1901-1905 | -22 | -21 | -2 | 12 | 28 | 42 | 48 | 45 | 27 | 16 | 4 | -13 | -22 |
| Date | 1911-1945 | 12-12 | 13-05 | 2-13 | 5-20 | 6-44 | 4-45 | 4-24 | 30-15 | 27-42 | 28-25 | 21-37 | 28-24 | 1-12-12 |
| Lebanon | 1898-1914 | -27 | -40 | -2 | 12 | 20 | 40* | 48 | 42 | 25* | 15 | 1* | -13 | -40 |
| Date | | 12-12 | 13-05 | 1-03 | 1-99 | 1-09 | 21-02 | 7-08 | 26-10 | 19-99 | 24-98 | 20-98 | 14-01 | 2-13-05 |
| Lebo | 1893-1936 | -24 | -26 | -5 | 14 | 27* | 43* | 46 | 43 | 32* | 14 | 0 | -11* | -26 |
| Date | | 18-30 | 12-99 | 3-16 | 5-20 | 4-07 | 12-96 | 3-24 | 5-94 | 29-99 | 30-15 | 26-32 | 8-17 | 2-12-99 |
| Leoti | 1893-1895 | -26 | -25 | -18 | 2 | 18 | 32* | 43* | 39 | 24* | 2* | -10 | -22 | -26 |
| Date | 1901-1903 | 12-12 | 9-33 | 7-20 | 2-36 | 1-93 | 1-03 | 3-24 | 30-15 | 17-03 | 29-13 | 14-40 | 20-24 | 1-12-12 |
| Date | 1911-1945 | | | | | | | | | | | | | |
| Liberal | 1893-1894 | -19 | -11 | -12 | 10 | 20 | 38* | 48 | 41 | 31 | 10 | 2* | -15 | -19 |
| Date | 1907-1945 | 7-12 | 7-33 | 7-20 | 2-36 | 1-09 | 2-17 | 3-24 | 29-17 | 20-42 | 29-17 | 29-11 | 16-32 | 1-7-12 |
| Lincoln | 1912-1945 | -25* | -21 | -10* | 3 | 25 | 40 | 46 | 40* | 26* | 6 | -8 | -17 | -25* |
| Date | | 12-12 | 8-33 | 3-16 | 5-20 | 6-44 | 7-35 | 2-24 | 31-15 | 30-12 | 30-17 | 22-29 | 15-43 | 1-12-12 |
| McPherson | 1893-1945 | -22 | -27 | -6 | 10* | 22 | 40 | 47 | 42 | 28 | 12 | -3 | -13 | -27 |
| Date | | 3-19 | 12-99 | 3-16 | 3-26 | 1-09 | 4-97 | 7-08 | 30-15 | 30-95 | 30-17 | 13-40 | 28-94 | 2-12-99 |
| Macksville | 1893-1931 | -21* | -22 | -10 | 7 | 17 | 34 | 45* | 38 | 25 | 9 | -3 | -15 | -22 |
| Date | | 12-12 | 13-05 | 7-20 | 3-26 | 1-09 | 1-96 | 9-95 | 30-15 | 20-18 | 30-17 | 22-29 | 28-94 | 2-13-05 |
| Madison | 1900-1919 | -19* | -28 | -2* | 20 | 20 | 40 | 45 | 40 | 26 | 14 | 3 | -11 | -28 |
| Date | | 15-05 | 13-05 | 20-06 | 3-15 | 1-03 | 12-13 | 5-15 | 27-10 | 26-12 | 30-17 | 29-11 | 8-17 | 2-13-05 |
| Manhattan | 1893-1900 | -21* | -32 | -7 | 5 | 23 | 40* | 45 | 40 | 26 | 14 | -4 | -16 | -32 |
| Date | 1902-1945 | 8-13 | 12-99 | 2-13 | 5-20 | 4-07 | 15-17 | 3-24 | 28-16 | 30-12 | 30-17 | 23-98 | 10-19 | 2-12-99 |
| Marion | 1893-1921 | -20* | -29 | -7 | 11 | 24 | 40 | 48 | 42 | 28 | 15 | 0 | -11 | -29 |
| Date | | 8-13 | 12-99 | 1-00 | 1-99 | 1-09 | 1-94 | 22-94 | 26-10 | 30-95 | 30-17 | 23-98 | 25-18 | 2-12-99 |

¹ First figure in date gives day of month, second figure indicates year.

* On later dates also.

(Continued on next page)

LOWEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCE - Continued

(Compiled data based on 10-year period or more)

| Station | Period of Record | Lowest Temperature of Record | | | | | | | | | | | | Annual |
|-------------------|------------------|------------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | |
| Medicine Lodge .. | 1895-1945 | -20 | -22 | -3* | 14 | 22 | 39 | 49 | 44* | 30 | 9 | 4 | -9 | -22 |
| Date | | 15-05 | 13-05 | 7-20 | 3-36 | 1-09 | 13-03 | 3-04 | 26-10 | 26-12 | 30-17 | 26-38 | 28-24 | 2-13-05 |
| Minneapolis | 1893-1945 | -22 | -29 | -7 | 8 | 21 | 41 | 48* | 41 | 28 | 10 | -4* | -15 | -29 |
| Date | | 8-13 | 12-99 | 3-16 | 5-20 | 1-09 | 4-97 | 7-08 | 29-93 | 30-12 | 30-17 | 23-98 | 15-43 | 2-12-99 |
| Moran | 1895-1917 | -17 | -30 | -1* | 21* | 26* | 43* | 50 | 44 | 26 | 20 | 2 | -8 | -30 |
| Date | | 12-12 | 12-12 | 6-99 | 1-96 | 4-07 | 4-97 | 5-15 | 31-15 | 29-16 | 29-13 | 26-95 | 15-16 | 2-13-05 |
| Ness City | 1893-1909 | -22 | -24 | -3 | 14* | 20 | 36 | 47 | 46 | 32* | 11 | -1 | -13 | -24 |
| Date | 1914-1919 | 11-18 | 13-05 | 3-16 | 2-96 | 1-09 | 2-17 | 9-05 | 28-17 | 28-96 | 29-17 | 14-16 | 21-16 | 2-13-05 |
| Newton | 1897-1945 | -19 | -28 | -5 | 10 | 23 | 40 | 45* | 43* | 29 | 10 | -4 | -12* | -28 |
| Date | | 15-05 | 13-05 | 7-43 | 3-36 | 3-03 | 4-97 | 2-24 | 26-10 | 29-16 | 30-17 | 13-40 | 20-24 | 2-13-05 |
| Norton | 1893-1898 | -27 | -25 | -11* | 2 | 19 | 38* | 42 | 39 | 24 | 9 | -13 | -17* | -27 |
| Date | 1903-1945 | 12-12 | 13-05 | 7-06 | 2-36 | 1-09 | 4-97 | 9-95 | 22-04 | 25-26 | 29-13 | 27-96 | 9-19 | 1-12-12 |
| Norwich | 1896-1945 | -17 | -21 | -2 | 14 | 26* | 42 | 51* | 45 | 33 | 11 | 5* | -8* | -21 |
| Date | | 12-12 | 13-05 | 7-20 | 2-36 | 3-07 | 11-03 | 11-05 | 30-15 | 20-18 | 30-17 | 22-29 | 9-17 | 2-13-05 |
| Oakley | 1920-1945 | -20 | -24 | -12 | -2 | 26 | 38 | 42* | 41 | 22 | 10 | -10 | -20 | -24 |
| Date | | 17-30 | 8-33 | 7-20 | 2-36 | 1-25 | 1-24 | 7-22 | 24-28 | 25-26 | 28-25 | 13-40 | 12-32 | 2-8-33 |
| Oberlin | 1913-1945 | -32 | -28 | -15 | 0 | 24 | 34 | 40 | 35 | 19 | 5 | -19 | -26 | -32 |
| Date | | 11-18 | 8-33 | 2-43 | 2-36 | 3-16 | 2-17 | 31-25 | 24-28 | 25-26 | 29-13 | 14-40 | 12-32 | 1-11-18 |
| Oketo | 1908-1945 | -26 | -19* | -13 | 9 | 25 | 38 | 45* | 40 | 24 | 9 | -7 | -22 | -26 |
| Date | | 12-12 | 1-18 | 2-13 | 5-20 | 1-09 | 15-17 | 1-24 | 30-15 | 29-16 | 28-25 | 22-29 | 10-19 | 1-12-12 |
| Olathe | 1893-1904 | -26 | -29 | -6 | 8 | 22 | 39 | 45 | 41 | 29 | 15 | -2 | -12* | -29 |
| Date | 1906-1945 | 22-30 | 12-99 | 7-43 | 5-20 | 4-07 | 4-97 | 5-15 | 30-15 | 29-16 | 30-17 | 16-32 | 28-24 | 2-12-99 |
| Ogea City | 1896-1912 | -22 | -26 | -8 | 12 | 25 | 40 | 47* | 41 | 29* | 15* | 1 | -13 | -26 |
| Date | 1915-1945 | 18-30 | 12-99 | 7-43 | 3-36 | 1-03 | 12-03 | 1-24 | 31-15 | 28-08 | 30-17 | 29-97 | 28-24 | 2-12-99 |
| Oswego | 1893-1924 | -16 | -30 | 0 | 19 | 29 | 41 | 46 | 43* | 32* | 17 | 1 | -5* | -30 |
| Date | | 24-94 | 13-05 | 1-13 | 5-20 | 4-07 | 1-94 | 22-94 | 29-93 | 30-95 | 16-17 | 17-94 | 14-01 | 2-13-05 |
| Ottawa | 1895-1945 | -19* | -28 | -7 | 11 | 21 | 40 | 48* | 42 | 27* | 16* | 1 | -10* | -28 |
| Date | | 12-12 | 13-05 | 7-43 | 5-20 | 4-07 | 4-97 | 8-08 | 27-10 | 28-08 | 30-17 | 16-32 | 14-98 | 2-13-05 |
| Parsons | 1925-1945 | -18 | -12 | -2 | 15 | 30 | 45 | 53* | 51* | 36 | 19* | 5 | -7 | -18 |
| Date | | 18-30 | 8-33 | 7-43 | 3-36 | 6-44 | 14-42 | 22-25 | 21-39 | 30-39 | 28-25 | 16-32 | 19-45 | 1-18-30 |
| Phillipsburg ... | 1893-1902 | -25 | -32 | -10 | 7 | 21 | 40 | 34 | 37 | 25 | 11 | -6* | -19* | -32 |
| Date | 1904-1945 | 12-12 | 12-99 | 6-43 | 2-36 | 1-09 | 1-24 | 15-98 | 26-10 | 30-12 | 30-17 | 23-98 | 10-19 | 2-12-99 |
| Plains | 1910-1927 | -20 | -8* | -14 | 16 | 31* | 36 | 48 | 42 | 33 | 11 | 2* | -12* | -20 |
| Date | | 12-12 | 2-17 | 7-20 | 2-20 | 1-16 | 2-17 | 4-24 | 30-15 | 29-16 | 29-17 | 29-11 | 19-24 | 1-12-12 |
| Plainville | 1905-1910 | -21 | -19 | -11* | 5 | 25 | 40* | 45 | 38 | 26* | 12 | -8 | -16* | -21 |
| Date | 1914-1945 | 11-18 | 8-36 | 3-16 | 2-36 | 3-07 | 2-17 | 31-25 | 24-28 | 20-18 | 30-17 | 14-40 | 21-16 | 1-11-18 |
| Pleasanton | 1903-1917 | -19* | -23 | 3 | 25* | 26 | 43 | 49 | 42 | 30 | 18 | 6 | -4 | -23 |
| Date | | 7-12 | 13-05 | 1-13 | 14-07 | 4-07 | 10-13 | 5-15 | 28-16 | 29-16 | 30-17 | 29-11 | 22-16 | 2-13-05 |
| F Pratt | 1895-1945 | -16 | -24 | -3 | 12 | 20 | 38 | 48 | 42 | 30 | 16 | 0 | -15 | -24 |
| Date | | 15-05 | 12-99 | 1-03 | 2-36 | 1-09 | 11-03 | 5-03 | 29-17 | 20-18 | 30-17 | 27-96 | 25-12 | 2-12-99 |
| Quinter | 1910-1914 | -29 | -20 | -14 | 3 | 22 | 34 | 41 | 37 | 24 | 5 | -5 | -16 | -29 |
| Date | 1916-1945 | 11-18 | 8-36 | 7-20 | 2-36 | 7-17 | 2-17 | 31-25 | 24-28 | 30-20 | 23-17 | 22-29 | 21-16 | 1-11-18 |
| Richfield | 1892-1905 | -19* | -18 | -18 | 8 | 26 | 33 | 45* | 43 | 26 | 6 | -6 | -18 | -19* |
| Date | 1911-1941 | 13-05 | 13-05 | 7-20 | 4-20 | 10-24 | 2-19 | 4-03 | 30-15 | 22-18 | 29-17 | 14-16 | 21-16 | 1-13-05 |
| Russell | 1895-1945 | -25 | -28 | -10 | 7 | 21 | 40* | 41 | 38 | 26 | 13* | -6 | -15 | -28 |
| Date | | 3-11 | 12-99 | 3-16 | 3-36 | 1-09 | 23-07 | 7-08 | 26-10 | 30-95 | 19-17 | 23-98 | 21-16 | 2-12-99 |
| St. Francis | 1908-1945 | -28 | -25 | -15 | 0 | 17 | 33 | 41 | 33 | 18 | 3 | -9 | -25 | -28 |
| Date | | 12-12 | 8-33 | 7-20 | 2-36 | 1-09 | 2-17 | 4-15 | 26-10 | 25-26 | 29-17 | 14-40 | 9-19 | 1-12-12 |

* First figure in date gives day of month, second figure indicates year.

* On later dates also.

(Continued on next page)

LOWEST TEMPERATURES OF RECORD AND DATES OF OCCURRENCE¹ - Continued

(Compiled data based on 10-year period or more)

| Station | Period of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|------------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| Salina | 1894-1945 | -28 | -31 | -9 | 5 | 19 | 38 | 46* | 38 | 28* | 14 | -4 | -15 | -31 |
| Date | | 8-13 | 13-05 | 3-16 | 3-26 | 1-09 | 4-97 | 7-08 | 27-06 | 30-12 | 30-25 | 23-98 | 25-18 | 2-13-05 |
| Scott City | 1895-1902 | -26* | -19 | -16 | 4 | 19 | 34* | 41 | 39 | 20 | 4 | -9* | -21 | -26* |
| Date | 1906-1945 | 12-12 | 8-33 | 7-20 | 2-36 | 1-09 | 12-10 | 31-25 | 24-28 | 7-98 | 29-17 | 28-96 | 31-00 | 1-12-12 |
| Sedan | 1893-1945 | -24 | -24 | -7 | 11 | 25 | 40 | 47 | 42 | 30 | 12 | 5* | -8 | -24* |
| Date | | 18-30 | 12-99 | 7-43 | 3-36 | 1-09 | 5-20 | 3-24 | 31-15 | 27-12 | 30-17 | 26-95 | 15-01 | 2-12-99 |
| Sharon Springs | 1903-1926 | -25 | -24 | -13 | 6 | 14 | 32 | 41 | 38* | 23 | -3 | -6 | -22 | -25 |
| Date | | 11-18 | 13-05 | 1-22 | 30-07 | 1-09 | 7-15 | 31-25 | 26-10 | 17-03 | 23-17 | 13-46 | 9-19 | 1-11-18 |
| Smith Center ... | 1912-1925 | -24 | -17 | -10 | 11 | 29* | 40 | 46 | 40 | 24* | 9 | -3 | -20 | -34 |
| Date | | 8-13 | 2-17 | 3-16 | 5-20 | 9-23 | 4-19 | 5-15 | 30-15 | 30-12 | 30-17 | 14-16 | 21-14 | 1-8-13 |
| Sublette | 1913-1945 | -21 | -17 | -12* | 7 | 28 | 36* | 45 | 38 | 29 | 6 | -2* | -15 | -21 |
| Date | | 11-18 | 8-33 | 1-22 | 2-36 | 7-17 | 2-17 | 5-24 | 30-15 | 27-42 | 29-17 | 13-40 | 9-19 | 1-11-18 |
| Syracuse | 1892-1902 | -27 | -26 | -17 | 9* | 17 | 32 | 42 | 40 | 24 | 5 | -5* | -14 | -27 |
| Date | 1906-1920 1936-1945 | 5-42 | 12-99 | 7-20 | 29-07 | 1-09 | 2-17 | 5-15 | 26-10 | 26-42 | 29-17 | 12-11 | 31-00 | 1-5-42 |
| Topeka | 1887-1945 | -23 | -25 | -2 | 13 | 28 | 36 | 50 | 40 | 33 | 16 | -5 | -10 | -25 |
| Date | | 19-92 | 12-99 | 18-23 | 5-20 | 1-09 | 2-88 | 9-91 | 24-91 | 27-42 | 28-25 | 27-87 | 26-92 | 2-12-99 |
| Toronto | 1897-1945 | -23 | -28 | -12 | 13 | 23 | 39 | 46 | 42 | 30 | 18 | 1 | -10 | -28 |
| Date | | 22-30 | 13-05 | 7-43 | 3-36 | 4-07 | 4-97 | 3-24 | 31-15 | 28-08 | 31-25 | 16-32 | 8-17 | 2-13-05 |
| Tribune | 1893-1896 | -22 | -24 | -18 | 4 | 19 | 30 | 42 | 40* | 26* | 2 | -7 | -24 | -24* |
| Date | 1899-1901 1913-1945 | 5-42 | 9-33 | 7-20 | 2-36 | 1-93 | 2-17 | 5-24 | 25-34 | 29-95 | 23-17 | 14-40 | 12-32 | 12-12-32 |
| Ulysses | 1893-1945 | -23 | -28 | -21 | 8 | 19 | 34 | 45* | 40 | 25 | 3 | -9 | -18 | -28 |
| Date | | 17-30 | 12-99 | 7-20 | 2-36 | 1-09 | 2-17 | 14-98 | 30-15 | 25-26 | 30-25 | 14-16 | 20-24 | 2-12-99 |
| Valley Falls ... | 1899-1945 | -31 | -29 | -11* | 7 | 23 | 42* | 46* | 41* | 27* | 14 | 2* | -21 | -31 |
| Date | | 22-30 | 4-05 | 2-13 | 5-20 | 4-07 | 10-13 | 25-11 | 30-15 | 26-12 | 28-25 | 12-11 | 19-45 | 1-22-30 |
| Wakeney | 1904-1945 | -25 | -18 | -10 | 6 | 20 | 37 | 45* | 39 | 27 | 10* | -4 | -17 | -25 |
| Date | | 12-12 | 8-36 | 7-20 | 2-36 | 1-09 | 2-17 | 9-05 | 24-28 | 30-12 | 29-13 | 14-40 | 21-16 | 1-12-12 |
| Walnut | 1902-1920 | -20 | -27 | 0 | 17 | 27* | 44 | 49 | 45 | 30 | 14 | 8 | -12 | -27 |
| Date | | 12-18 | 13-05 | 7-20 | 5-20 | 4-07 | 10-13 | 5-15 | 29-11 | 29-16 | 30-17 | 29-11 | 9-17 | 2-13-05 |
| Wesago | 1913-1945 | -22 | -17 | -9 | 7 | 26 | 43 | 47* | 44* | 30 | 16* | 0 | -13 | -22 |
| Date | | 22-30 | 8-33 | 1-13 | 5-20 | 6-44 | 7-35 | 1-24 | 30-15 | 28-42 | 30-17 | 13-40 | 10-19 | 1-22-30 |
| Wellington | 1911-1918 | -19 | -12 | -3 | 12 | 29 | 43 | 46* | 44* | 30 | 12 | 5 | -10 | -19 |
| Date | 1922-1945 | 8-13 | 8-33 | 7-43 | 3-36 | 14-14 | 14-17 | 25-11 | 30-11 | 26-12 | 30-17 | 29-11 | 8-17 | 1-8-13 |
| Wichita | 1889-1945 | -15 | -22 | -3 | 15 | 27 | 44 | 53 | 45 | 32 | 14 | 4 | -10 | -22 |
| Date | | 12-17 | 12-99 | 7-43 | 3-36 | 1-09 | 4-97 | 5-92 | 29-93 | 27-42 | 30-17 | 13-40 | 27-94 | 2-12-99 |
| Winfield | 1894-1896 | -20 | -27 | -2 | 15 | 26 | 40 | 48 | 45 | 30 | 17 | 3 | -8* | -27 |
| Date | 1898-1945 | 22-30 | 13-05 | 7-43 | 3-36 | 4-07 | 5-19 | 3-24 | 26-10 | 30-95 | 30-17 | 13-40 | 28-94 | 2-13-05 |
| Yates Center ... | 1894-1929 | -21 | -28 | -4 | 15 | 24 | 39 | 45 | 44 | 28 | 14 | -1 | -12 | -28 |
| Date | | 12-18 | 12-99 | 7-20 | 5-20 | 1-09 | 4-97 | 3-24 | 31-15 | 29-16 | 30-25 | 26-95 | 8-17 | 2-12-99 |
| Kansas City, Mo. | 1889-1945 | -20 | -22 | 0 | 16 | 27 | 44 | 53 | 46 | 34* | 17 | 4 | -13 | -22 |
| Date | | 12-12 | 12-19 | 18-23 | 3-36 | 28-07 | 4-45 | 2-24 | 24-91 | 27-42 | 30-25 | 28-96 | 28-92 | 2-12-99 |
| St. Joseph, Mo.. | 1910-1945 | -24 | -16 | -4 | 13 | 32* | 43 | 50 | 46 | 32 | 11 | 4 | -13 | -24 |
| Date | | 12-12 | 2-17 | 2-13 | 3-36 | 5-42 | 2-45 | 3-24 | 30-15 | 26-12 | 30-25 | 21-37 | 28-24 | 1-12-12 |

¹ First figure in date gives day of month, second figure indicates year.

* On later dates also.

----- 0 -----

EXTREME TEMPERATURES, MONTHS AND ANNUAL, FOR KANSAS

LOWEST TEMPERATURE EVER OFFICIALLY RECORDED (Through 1945)

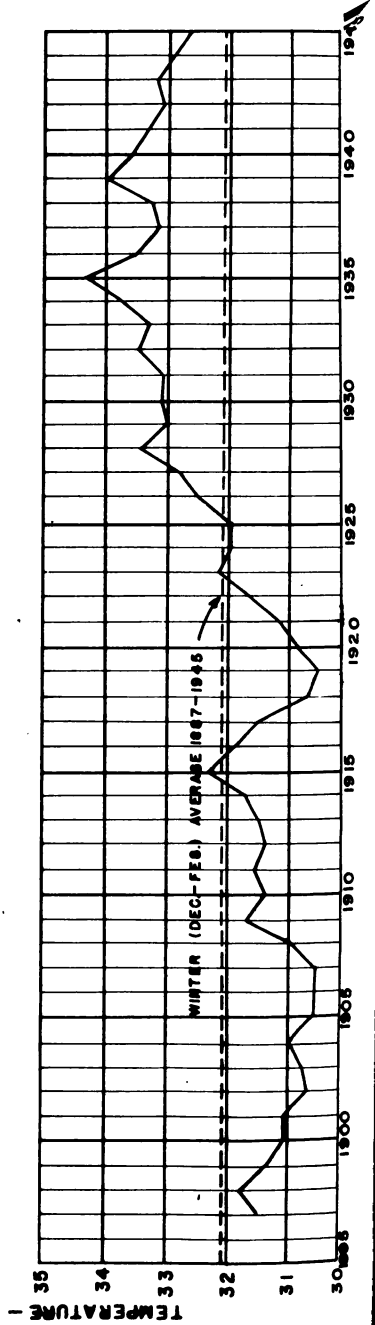
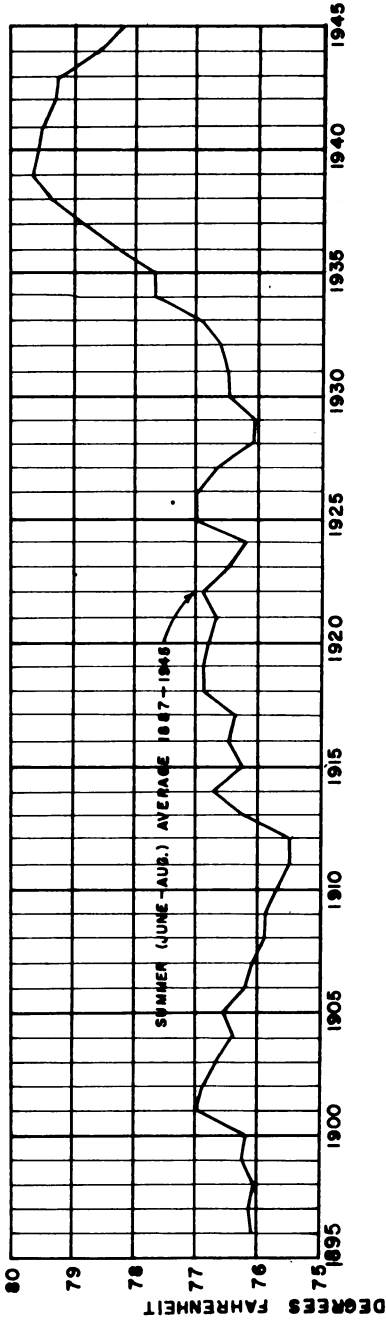
| | Temperature | Station | Date |
|----------------|-------------|--------------------------|--------------------------------|
| January | -34 | Seneca | Jan. 19, 1892 |
| February | -40 | Lebanon | Feb. 13, 1905 |
| March | -21 | Ulysses | Mar. 7, 1920 |
| April | - 2 | Oakley Dresden | Apr. 2, 1936 Apr. 2, 1936 |
| May | 14 | Wallace | May 1, 1909 |
| June | 30 | Lakin Tribune | June 1, 1899 June 2, 1917 |
| July | 32 | Tribune | July 17, 1888 |
| August | 33 | St. Francis Alton | Aug. 26, 1910 Aug. 26, 1910 |
| September | 18 | St. Francis | Sep. 25, 1926 |
| October | - 3 | Wallace | Oct. 23, 1917 |
| November | -20 | Monument Buffalo Park | Nov. 27, 1887 Nov. 27, 1887 |
| December | -26 | Oberlin | Dec. 12, 1932 |
| Annual | -40 | Lebanon | Feb. 13, 1905 |

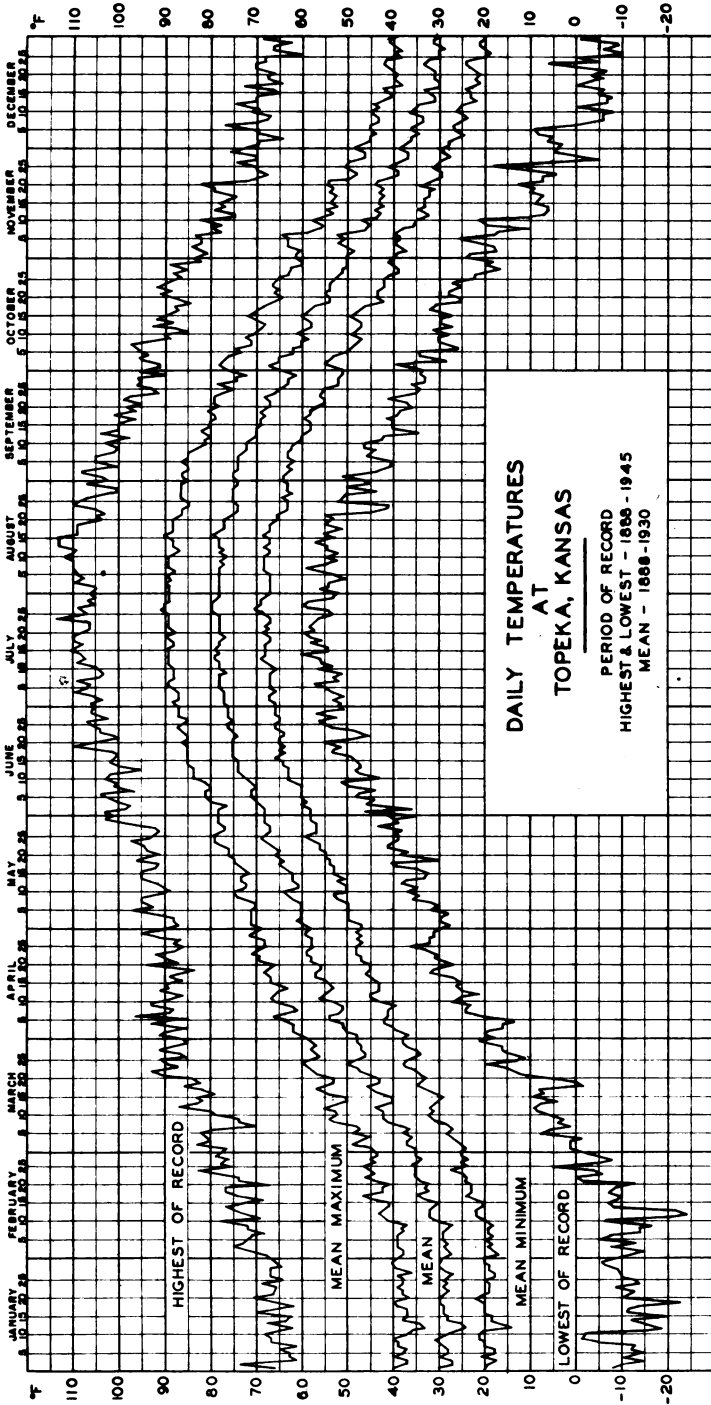
HIGHEST TEMPERATURE EVER OFFICIALLY RECORDED (Through 1945)

| | | | |
|----------------|-----|----------------------------------|---|
| January | 85 | LaCrosse Liberal | Jan. 31, 1911 Jan. 5, 1927 |
| February | 91 | Medicine Lodge | Feb. 23, 1904 |
| March | 100 | Englewood Cimarron Hugoton | Mar. 21, 1907 Mar. 19, 1907 Mar. 23, 1910 |
| April | 103 | Kiowa | Apr. 6, 1893 |
| May | 108 | Lincoln Ellsworth | May 23, 1939 May 23, 1939 |
| June | 116 | Clay Center Hugoton | June 25, 1911 June 25, 1911 |
| July | 121 | Fredonia Alton | July 18, 1936 July 24, 1936 |
| August | 119 | Minneapolis Wellington | Aug. 12 & 13, 1936 Aug. 12, 1936 |
| September | 113 | Sedan | Sep. 2, 1939 |
| October | 101 | Wellington | Oct. 6, 1939 |
| November | 96 | Kingman | Nov. 4, 1909 |
| December | 86 | Johnson Ulysses | Dec. 6, 1939 Dec. 6, 1939 |
| Annual | 121 | Fredonia Alton | July 18, 1936 July 24, 1936 |

10-YEAR MOVING AVERAGES OF TEMPERATURES KANSAS

EACH POINT INDICATES THE AVERAGE FOR THE PRECEDING TEN YEARS





MEAN TEMPERATURE, BY MONTHS AND YEARS, FOR EASTERN DIVISION

KANSAS

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|-------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1887 | 24.6 | 32.4 | 45.2 | 58.3 | 69.5 | 76.2 | 80.1 | 76.5 | 68.7 | 54.2 | 43.7 | 29.1 | 55.5 |
| 1888 | 21.7 | 34.4 | 39.2 | 57.7 | 62.6 | 75.1 | 80.5 | 75.6 | 65.9 | 53.8 | 39.6 | 35.4 | 53.4 |
| 1889 | 29.8 | 27.2 | 43.3 | 55.8 | 62.7 | 71.0 | 76.2 | 73.9 | 64.0 | 54.6 | 37.9 | 45.0 | 53.4 |
| 1890 | 28.7 | 33.5 | 39.5 | 57.1 | 63.9 | 77.2 | 82.1 | 75.6 | 64.3 | 55.7 | 44.5 | 36.5 | 54.9 |
| 1891 | 32.2 | 30.5 | 36.0 | 57.7 | 62.1 | 72.0 | 73.8 | 74.9 | 71.6 | 56.3 | 40.3 | 39.0 | 53.9 |
| 1892 | 25.5 | 37.1 | 39.0 | 53.1 | 60.3 | 74.7 | 77.2 | 76.5 | 69.7 | 57.9 | 41.5 | 27.6 | 53.3 |
| 1893 | 24.6 | 28.4 | 41.6 | 55.4 | 62.1 | 73.6 | 79.1 | 74.1 | 71.5 | 57.7 | 40.8 | 37.0 | 53.8 |
| 1894 | 30.1 | 27.9 | 41.5 | 58.2 | 65.6 | 74.9 | 77.2 | 78.9 | 69.4 | 58.4 | 43.1 | 37.0 | 55.2 |
| 1895 | 25.3 | 25.3 | 43.2 | 59.7 | 66.7 | 74.2 | 75.8 | 76.1 | 73.3 | 53.2 | 42.0 | 33.4 | 54.0 |
| 1896 | 33.0 | 37.6 | 40.1 | 62.4 | 70.1 | 73.6 | 78.3 | 78.4 | 66.1 | 55.2 | 40.6 | 39.7 | 56.3 |
| 1897 | 28.5 | 33.9 | 43.4 | 55.1 | 64.5 | 75.5 | 80.1 | 76.0 | 75.2 | 63.3 | 43.6 | 28.2 | 55.6 |
| 1898 | 33.7 | 36.5 | 44.3 | 53.6 | 64.6 | 76.0 | 77.2 | 77.1 | 71.3 | 54.1 | 40.1 | 28.0 | 54.4 |
| 1899 | 30.4 | 19.7 | 37.1 | 54.1 | 67.6 | 74.2 | 76.3 | 80.1 | 68.1 | 63.5 | 49.5 | 30.8 | 54.3 |
| 1900 | 35.0 | 26.4 | 42.1 | 57.7 | 66.5 | 74.7 | 77.3 | 80.5 | 71.2 | 62.4 | 42.4 | 35.7 | 56.0 |
| 1901 | 34.0 | 28.6 | 43.2 | 53.5 | 63.9 | 77.7 | 85.9 | 79.1 | 69.2 | 61.5 | 45.2 | 29.8 | 56.0 |
| 1902 | 30.5 | 24.3 | 46.3 | 54.6 | 69.6 | 71.0 | 77.0 | 77.4 | 63.1 | 59.7 | 48.7 | 29.8 | 54.3 |
| 1903 | 32.0 | 28.9 | 45.6 | 56.0 | 63.8 | 68.1 | 78.2 | 74.8 | 66.9 | 57.4 | 47.7 | 32.9 | 53.9 |
| 1904 | 29.2 | 32.2 | 46.8 | 50.5 | 62.9 | 71.2 | 75.5 | 74.5 | 70.9 | 59.4 | 47.1 | 32.5 | 54.4 |
| 1905 | 21.6 | 20.9 | 51.5 | 55.3 | 64.7 | 76.1 | 74.5 | 78.6 | 71.2 | 54.8 | 46.4 | 33.2 | 54.1 |
| 1906 | 35.0 | 35.6 | 33.8 | 60.2 | 66.4 | 72.7 | 74.5 | 76.6 | 72.2 | 56.2 | 41.9 | 37.4 | 55.2 |
| 1907 | 33.0 | 34.9 | 53.9 | 49.3 | 58.5 | 72.1 | 78.4 | 78.3 | 69.4 | 57.5 | 43.7 | 36.8 | 53.5 |
| 1908 | 35.2 | 36.7 | 49.4 | 56.4 | 64.5 | 72.0 | 75.8 | 76.7 | 70.4 | 55.7 | 46.0 | 36.9 | 56.3 |
| 1909 | 31.2 | 36.8 | 42.9 | 53.8 | 62.8 | 73.3 | 77.9 | 79.7 | 70.5 | 56.4 | 51.1 | 23.7 | 55.0 |
| 1910 | 31.2 | 29.4 | 57.0 | 57.3 | 60.2 | 71.3 | 79.2 | 75.9 | 70.1 | 60.2 | 44.4 | 32.0 | 55.7 |
| 1911 | 33.9 | 37.7 | 47.5 | 54.5 | 68.1 | 80.8 | 79.0 | 76.7 | 74.6 | 56.3 | 39.3 | 34.9 | 56.9 |
| 1912 | 19.4 | 29.5 | 33.6 | 55.8 | 68.0 | 69.7 | 80.2 | 78.5 | 67.6 | 59.1 | 46.0 | 35.8 | 53.6 |
| 1913 | 30.5 | 27.7 | 39.9 | 57.8 | 66.6 | 75.0 | 82.4 | 85.3 | 69.6 | 55.0 | 51.7 | 36.9 | 56.5 |
| 1914 | 37.4 | 29.5 | 44.7 | 55.3 | 65.7 | 79.2 | 80.5 | 78.5 | 71.8 | 59.2 | 49.5 | 25.0 | 56.4 |
| 1915 | 29.4 | 38.8 | 34.5 | 60.8 | 62.1 | 70.3 | 74.5 | 70.3 | 70.4 | 60.0 | 49.7 | 35.8 | 54.7 |
| 1916 | 27.2 | 31.2 | 47.3 | 51.0 | 65.3 | 70.8 | 81.4 | 80.6 | 68.5 | 58.6 | 46.2 | 29.8 | 54.8 |
| 1917 | 32.4 | 31.2 | 45.5 | 53.2 | 58.4 | 72.6 | 80.6 | 73.5 | 69.0 | 51.1 | 47.6 | 25.4 | 53.4 |
| 1918 | 18.0 | 35.0 | 50.8 | 50.7 | 69.0 | 79.3 | 78.7 | 84.3 | 63.7 | 61.5 | 44.7 | 37.8 | 56.1 |
| 1919 | 32.4 | 34.9 | 45.8 | 54.8 | 62.9 | 74.1 | 80.8 | 77.9 | 72.6 | 56.8 | 41.8 | 26.9 | 55.1 |
| 1920 | 30.3 | 35.7 | 46.5 | 50.2 | 64.7 | 73.2 | 77.0 | 73.2 | 70.8 | 61.2 | 40.9 | 36.1 | 55.0 |
| 1921 | 37.3 | 40.8 | 51.4 | 56.0 | 66.7 | 75.9 | 80.0 | 78.5 | 74.4 | 60.2 | 44.8 | 35.9 | 58.5 |
| 1922 | 29.4 | 35.2 | 45.0 | 56.5 | 66.1 | 75.9 | 76.7 | 79.3 | 72.6 | 60.0 | 47.2 | 35.1 | 56.6 |
| 1923 | 39.5 | 31.4 | 41.7 | 55.2 | 62.7 | 74.2 | 79.0 | 79.6 | 70.8 | 50.6 | 45.7 | 38.3 | 55.7 |
| 1924 | 25.9 | 35.4 | 37.9 | 56.5 | 59.3 | 74.1 | 74.8 | 78.5 | 65.4 | 62.2 | 47.0 | 26.6 | 53.6 |
| 1925 | 26.7 | 39.3 | 48.8 | 61.2 | 62.3 | 77.0 | 79.3 | 78.0 | 74.6 | 48.6 | 43.5 | 32.8 | 56.0 |
| 1926 | 32.9 | 40.9 | 41.9 | 50.3 | 67.9 | 72.6 | 78.9 | 79.4 | 69.5 | 58.4 | 41.0 | 33.2 | 55.6 |
| 1927 | 31.6 | 40.1 | 45.1 | 58.8 | 65.3 | 71.5 | 76.9 | 71.7 | 70.4 | 61.5 | 45.9 | 29.0 | 55.4 |
| 1928 | 33.8 | 38.2 | 48.3 | 52.4 | 66.8 | 68.9 | 78.1 | 78.0 | 67.4 | 61.2 | 44.8 | 37.1 | 55.2 |
| 1929 | 24.2 | 25.8 | 48.5 | 57.9 | 61.7 | 72.4 | 78.6 | 78.8 | 68.4 | 59.0 | 38.4 | 34.8 | 54.0 |
| 1930 | 17.7 | 46.9 | 44.1 | 60.6 | 64.0 | 72.5 | 82.0 | 80.6 | 72.1 | 56.0 | 46.5 | 35.0 | 56.5 |
| 1931 | 37.3 | 42.1 | 40.5 | 54.8 | 61.4 | 78.0 | 81.1 | 75.8 | 78.1 | 63.0 | 50.2 | 41.7 | 58.7 |
| 1932 | 32.4 | 42.5 | 37.6 | 58.5 | 65.9 | 75.0 | 80.8 | 79.3 | 69.3 | 56.3 | 40.2 | 30.2 | 55.7 |
| 1933 | 41.5 | 32.2 | 46.1 | 56.0 | 65.6 | 80.4 | 80.9 | 76.6 | 74.7 | 57.7 | 48.0 | 39.9 | 58.3 |
| 1934 | 36.3 | 35.6 | 43.5 | 57.9 | 69.2 | 81.5 | 87.5 | 84.7 | 66.5 | 63.0 | 48.4 | 32.7 | 58.9 |
| 1935 | 33.7 | 38.4 | 51.8 | 52.8 | 60.4 | 70.6 | 84.4 | 79.9 | 69.2 | 56.7 | 41.7 | 32.9 | 56.0 |
| 1936 | 24.1 | 21.9 | 49.9 | 55.0 | 69.0 | 77.7 | 87.1 | 87.1 | 74.4 | 56.8 | 43.4 | 38.9 | 57.1 |
| 1937 | 23.5 | 31.7 | 40.1 | 54.8 | 66.8 | 75.2 | 80.7 | 82.7 | 71.1 | 57.5 | 40.7 | 31.7 | 54.7 |
| 1938 | 34.0 | 38.6 | 53.2 | 56.6 | 64.6 | 73.7 | 80.7 | 82.7 | 72.5 | 65.9 | 44.9 | 36.8 | 58.7 |
| 1939 | 39.3 | 32.0 | 46.9 | 54.5 | 69.1 | 75.3 | 83.8 | 77.7 | 77.1 | 62.9 | 44.6 | 39.6 | 58.6 |
| 1940 | 14.6 | 33.2 | 44.7 | 54.8 | 64.3 | 74.2 | 80.8 | 76.1 | 69.7 | 64.6 | 41.4 | 37.2 | 54.6 |
| 1941 | 33.7 | 34.0 | 41.1 | 59.1 | 69.6 | 73.3 | 80.2 | 79.3 | 71.5 | 60.5 | 45.8 | 40.1 | 57.4 |
| 1942 | 31.7 | 33.7 | 45.5 | 60.3 | 63.8 | 73.4 | 79.8 | 76.6 | 67.5 | 58.8 | 47.3 | 32.5 | 55.9 |
| 1943 | 29.3 | 40.1 | 39.9 | 58.9 | 62.5 | 75.9 | 80.1 | 82.2 | 67.1 | 56.6 | 43.0 | 31.1 | 55.6 |
| 1944 | 36.1 | 37.9 | 40.6 | 51.2 | 68.6 | 76.2 | 77.9 | 78.0 | 69.7 | 60.6 | 47.9 | 30.1 | 56.2 |
| 1945 | 32.3 | 35.5 | 52.1 | 54.5 | 61.5 | 69.7 | 76.6 | 78.4 | 70.2 | 57.8 | 46.7 | 26.7 | 55.2 |
| Means | 30.3 | 33.5 | 44.2 | 55.8 | 64.8 | 74.2 | 79.2 | 78.0 | 70.1 | 58.2 | 44.4 | 33.8 | 55.5 |

MEAN TEMPERATURE, BY MONTHS AND YEARS, FOR MIDDLE DIVISION

KANSAS

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|-------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1887 | 26.7 | 29.6 | 46.4 | 57.5 | 71.2 | 76.8 | 84.5 | 77.8 | 70.6 | 56.0 | 42.9 | 28.1 | 56.3 |
| 1888 | 20.7 | 37.9 | 35.6 | 56.8 | 63.1 | 75.2 | 81.6 | 77.8 | 70.1 | 54.0 | 40.1 | 36.1 | 54.1 |
| 1889 | 29.4 | 29.1 | 45.2 | 56.4 | 64.4 | 72.3 | 77.5 | 75.8 | 66.2 | 56.0 | 37.0 | 43.8 | 54.4 |
| 1890 | 29.2 | 32.7 | 40.8 | 55.4 | 64.5 | 77.8 | 83.9 | 76.3 | 65.8 | 55.4 | 43.0 | 36.6 | 54.9 |
| 1891 | 30.8 | 29.6 | 34.8 | 56.9 | 62.0 | 70.8 | 73.8 | 74.7 | 69.9 | 54.9 | 40.5 | 38.1 | 53.1 |
| 1892 | 26.5 | 35.3 | 38.4 | 53.7 | 59.4 | 74.0 | 78.2 | 77.1 | 71.2 | 58.2 | 42.6 | 27.1 | 53.5 |
| 1893 | 30.2 | 30.0 | 42.8 | 56.3 | 62.4 | 75.2 | 80.3 | 74.8 | 71.5 | 54.6 | 40.9 | 37.2 | 54.7 |
| 1894 | 28.6 | 26.6 | 46.7 | 58.7 | 64.9 | 74.6 | 78.2 | 79.0 | 69.4 | 59.2 | 43.9 | 36.0 | 55.5 |
| 1895 | 25.7 | 25.9 | 43.5 | 59.6 | 66.9 | 73.2 | 76.0 | 76.8 | 73.9 | 53.0 | 41.5 | 35.4 | 54.3 |
| 1896 | 34.0 | 38.1 | 39.1 | 61.9 | 70.2 | 74.6 | 78.7 | 79.5 | 66.7 | 54.6 | 37.8 | 40.3 | 56.3 |
| 1897 | 28.7 | 33.6 | 43.3 | 54.7 | 63.8 | 76.2 | 81.2 | 77.0 | 74.3 | 61.5 | 42.0 | 29.9 | 55.5 |
| 1898 | 32.0 | 37.0 | 43.4 | 54.0 | 63.7 | 75.5 | 78.4 | 78.9 | 70.5 | 54.6 | 39.2 | 27.9 | 54.3 |
| 1899 | 30.0 | 19.4 | 37.5 | 55.0 | 68.0 | 73.5 | 76.7 | 81.6 | 69.3 | 62.3 | 48.7 | 32.1 | 54.6 |
| 1900 | 35.3 | 28.5 | 42.6 | 56.1 | 65.4 | 75.4 | 78.8 | 82.1 | 70.7 | 61.5 | 41.8 | 35.1 | 56.6 |
| 1901 | 32.0 | 27.5 | 42.4 | 53.1 | 63.1 | 77.6 | 85.9 | 80.1 | 69.8 | 60.5 | 45.1 | 30.8 | 55.7 |
| 1902 | 29.9 | 26.4 | 46.1 | 55.8 | 68.5 | 71.2 | 77.1 | 78.5 | 64.0 | 58.8 | 45.9 | 27.3 | 54.3 |
| 1903 | 31.9 | 27.2 | 43.1 | 55.2 | 62.1 | 67.2 | 78.8 | 75.8 | 67.3 | 57.6 | 42.1 | 34.7 | 53.6 |
| 1904 | 29.2 | 32.3 | 47.5 | 51.1 | 62.3 | 70.5 | 75.8 | 74.6 | 70.2 | 59.5 | 46.1 | 30.8 | 54.2 |
| 1905 | 21.1 | 21.2 | 50.6 | 53.0 | 63.3 | 75.6 | 75.1 | 79.1 | 71.9 | 54.2 | 46.0 | 33.1 | 53.7 |
| 1906 | 34.9 | 36.0 | 33.3 | 58.3 | 64.6 | 71.9 | 73.8 | 76.6 | 69.9 | 54.1 | 41.6 | 36.9 | 54.3 |
| 1907 | 29.8 | 35.1 | 52.4 | 48.4 | 58.3 | 72.6 | 78.7 | 78.6 | 70.3 | 57.3 | 42.6 | 34.1 | 54.8 |
| 1908 | 36.2 | 36.8 | 48.3 | 56.4 | 63.8 | 72.1 | 75.9 | 76.2 | 70.4 | 55.1 | 43.9 | 36.4 | 56.0 |
| 1909 | 28.4 | 37.3 | 42.4 | 53.3 | 62.8 | 73.7 | 79.5 | 80.7 | 70.2 | 57.3 | 48.5 | 22.5 | 54.7 |
| 1910 | 29.7 | 30.2 | 56.3 | 58.1 | 60.1 | 72.7 | 80.2 | 76.1 | 70.9 | 60.4 | 44.8 | 33.3 | 56.1 |
| 1911 | 33.7 | 36.2 | 48.4 | 55.2 | 66.6 | 80.7 | 78.9 | 76.6 | 75.8 | 55.8 | 39.2 | 31.2 | 56.5 |
| 1912 | 19.2 | 32.0 | 32.0 | 55.0 | 67.3 | 69.8 | 81.2 | 78.2 | 66.8 | 58.5 | 45.7 | 35.2 | 53.4 |
| 1913 | 29.4 | 26.4 | 40.3 | 57.4 | 67.3 | 74.9 | 83.3 | 84.9 | 65.3 | 54.4 | 49.1 | 34.4 | 55.6 |
| 1914 | 38.1 | 30.3 | 44.3 | 55.2 | 64.3 | 78.9 | 81.5 | 79.0 | 73.3 | 58.3 | 48.4 | 22.7 | 56.2 |
| 1915 | 29.5 | 37.8 | 32.7 | 59.3 | 60.3 | 69.4 | 74.5 | 70.4 | 69.5 | 58.8 | 48.5 | 35.2 | 53.8 |
| 1916 | 24.6 | 31.9 | 48.4 | 51.2 | 64.4 | 70.7 | 81.6 | 80.7 | 68.7 | 58.1 | 44.3 | 28.2 | 54.4 |
| 1917 | 31.9 | 31.7 | 44.7 | 52.9 | 57.8 | 73.7 | 82.2 | 74.0 | 69.8 | 51.4 | 48.2 | 25.7 | 53.7 |
| 1918 | 18.9 | 35.8 | 49.8 | 47.9 | 68.1 | 78.7 | 78.9 | 83.0 | 64.6 | 60.8 | 43.2 | 36.1 | 55.5 |
| 1919 | 32.2 | 33.6 | 44.5 | 53.4 | 62.0 | 72.6 | 81.1 | 79.3 | 73.3 | 55.0 | 40.1 | 27.5 | 54.6 |
| 1920 | 32.0 | 36.5 | 46.4 | 49.6 | 63.7 | 73.9 | 78.7 | 73.7 | 70.8 | 61.5 | 40.0 | 34.1 | 55.1 |
| 1921 | 37.4 | 40.8 | 50.7 | 55.6 | 66.8 | 75.0 | 80.0 | 80.2 | 74.9 | 60.5 | 43.6 | 34.8 | 58.4 |
| 1922 | 28.8 | 33.7 | 44.0 | 55.6 | 64.9 | 75.7 | 77.4 | 81.4 | 74.1 | 60.6 | 46.4 | 34.6 | 56.4 |
| 1923 | 38.9 | 32.4 | 41.7 | 55.1 | 61.8 | 74.0 | 80.1 | 80.0 | 71.0 | 53.0 | 45.6 | 36.7 | 55.9 |
| 1924 | 25.7 | 36.2 | 36.6 | 55.8 | 58.8 | 75.4 | 76.7 | 80.6 | 66.9 | 62.0 | 46.4 | 24.5 | 53.8 |
| 1925 | 24.9 | 40.3 | 49.4 | 61.1 | 63.4 | 79.1 | 81.1 | 78.2 | 73.6 | 48.2 | 43.0 | 33.6 | 56.3 |
| 1926 | 32.7 | 41.6 | 41.7 | 50.1 | 67.2 | 73.7 | 79.8 | 80.6 | 70.1 | 59.5 | 40.5 | 32.4 | 55.8 |
| 1927 | 32.2 | 38.7 | 43.7 | 57.6 | 65.6 | 72.1 | 78.2 | 72.4 | 70.6 | 61.5 | 44.5 | 27.9 | 55.4 |
| 1928 | 34.9 | 37.3 | 47.5 | 52.3 | 65.3 | 68.0 | 78.2 | 78.1 | 69.1 | 59.9 | 43.6 | 36.4 | 55.9 |
| 1929 | 24.4 | 25.4 | 47.7 | 57.6 | 61.6 | 72.9 | 79.5 | 80.1 | 68.3 | 57.7 | 36.4 | 34.7 | 53.9 |
| 1930 | 18.0 | 47.5 | 42.9 | 59.7 | 63.6 | 73.5 | 82.8 | 80.7 | 72.0 | 55.7 | 46.2 | 33.6 | 56.4 |
| 1931 | 36.7 | 42.2 | 39.4 | 53.5 | 61.0 | 78.8 | 81.8 | 77.0 | 79.2 | 62.7 | 46.5 | 39.7 | 58.2 |
| 1932 | 27.3 | 39.5 | 36.9 | 58.5 | 66.0 | 74.5 | 82.6 | 80.2 | 69.3 | 56.0 | 41.1 | 28.4 | 55.0 |
| 1933 | 39.7 | 31.6 | 46.7 | 55.5 | 65.3 | 82.6 | 82.5 | 77.9 | 75.4 | 58.5 | 47.9 | 39.4 | 58.6 |
| 1934 | 36.0 | 36.0 | 44.6 | 57.5 | 70.0 | 81.4 | 88.5 | 84.9 | 66.2 | 63.1 | 47.7 | 32.9 | 59.1 |
| 1935 | 34.7 | 39.2 | 51.9 | 52.6 | 60.0 | 71.1 | 84.8 | 81.4 | 69.9 | 56.4 | 40.3 | 34.1 | 56.4 |
| 1936 | 26.6 | 22.3 | 49.3 | 55.5 | 68.4 | 78.1 | 86.9 | 86.9 | 73.0 | 55.3 | 43.2 | 38.0 | 57.0 |
| 1937 | 20.6 | 32.6 | 40.4 | 55.0 | 67.3 | 75.1 | 82.6 | 84.6 | 72.1 | 57.4 | 41.3 | 32.0 | 55.1 |
| 1938 | 34.9 | 37.2 | 50.8 | 55.2 | 63.5 | 74.2 | 81.8 | 83.6 | 73.3 | 66.1 | 42.9 | 36.4 | 58.3 |
| 1939 | 38.8 | 30.3 | 46.0 | 55.1 | 69.3 | 76.1 | 84.3 | 78.6 | 75.9 | 61.9 | 44.9 | 39.2 | 58.4 |
| 1940 | 15.2 | 33.7 | 45.0 | 54.7 | 64.3 | 75.1 | 82.7 | 77.1 | 71.4 | 64.5 | 40.4 | 36.0 | 55.0 |
| 1941 | 33.2 | 33.7 | 40.4 | 56.9 | 68.4 | 72.9 | 80.1 | 79.9 | 72.1 | 58.5 | 45.2 | 38.2 | 56.6 |
| 1942 | 30.6 | 32.3 | 44.9 | 58.5 | 63.6 | 73.3 | 81.0 | 77.4 | 66.7 | 58.4 | 45.3 | 31.6 | 55.3 |
| 1943 | 29.8 | 40.4 | 39.6 | 58.8 | 61.0 | 76.2 | 81.1 | 84.5 | 68.2 | 56.3 | 42.8 | 30.5 | 55.8 |
| 1944 | 35.1 | 36.8 | 39.3 | 49.8 | 66.6 | 76.9 | 78.3 | 78.9 | 69.6 | 59.2 | 46.3 | 30.8 | 55.6 |
| 1945 | 33.3 | 35.0 | 50.8 | 52.4 | 62.0 | 68.4 | 77.8 | 79.5 | 69.9 | 57.8 | 46.1 | 27.2 | 55.0 |
| Means | 30.0 | 33.4 | 43.8 | 55.3 | 64.3 | 74.4 | 80.0 | 78.8 | 70.4 | 57.9 | 43.6 | 33.2 | 55.4 |

MEAN TEMPERATURE, BY MONTHS AND YEARS, FOR WESTERN DIVISION

KANSAS

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|-------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1887 | 26.7 | 27.0 | 44.8 | 54.9 | 67.6 | 76.3 | 82.1 | 74.6 | 68.2 | 53.5 | 40.4 | 26.6 | 53.8 |
| 1888 | 20.3 | 38.0 | 35.1 | 55.3 | 59.3 | 73.6 | 79.5 | 72.7 | 66.6 | 52.6 | 35.3 | 35.1 | 51.7 |
| 1889 | 23.6 | 25.8 | 40.6 | 53.6 | 61.7 | 70.0 | 77.0 | 78.6 | 67.5 | 55.7 | 37.5 | 43.5 | 52.9 |
| 1890 | 28.1 | 32.6 | 42.4 | 53.2 | 64.9 | 77.7 | 83.4 | 76.3 | 66.1 | 54.0 | 42.6 | 35.7 | 54.8 |
| 1891 | 28.2 | 29.2 | 33.4 | 54.4 | 62.3 | 69.4 | 74.3 | 75.6 | 70.2 | 53.1 | 38.8 | 34.2 | 51.9 |
| 1892 | 27.1 | 33.6 | 36.8 | 51.1 | 55.7 | 71.4 | 77.0 | 75.9 | 68.5 | 55.0 | 40.9 | 26.8 | 51.6 |
| 1893 | 32.7 | 29.3 | 37.9 | 50.8 | 60.0 | 75.3 | 79.1 | 72.9 | 67.6 | 52.9 | 38.0 | 34.9 | 52.6 |
| 1894 | 26.6 | 21.5 | 43.1 | 55.1 | 65.2 | 73.2 | 78.0 | 76.0 | 66.7 | 56.1 | 42.2 | 31.1 | 52.9 |
| 1895 | 25.0 | 23.7 | 39.9 | 56.3 | 63.8 | 69.7 | 73.0 | 75.0 | 70.9 | 50.7 | 39.1 | 32.9 | 51.7 |
| 1896 | 35.1 | 37.9 | 38.5 | 57.7 | 66.4 | 74.1 | 77.3 | 77.9 | 64.8 | 52.6 | 34.2 | 38.8 | 54.6 |
| 1897 | 28.1 | 32.9 | 40.7 | 51.4 | 63.6 | 73.7 | 79.4 | 72.6 | 57.7 | 40.6 | 29.1 | 53.8 | 53.8 |
| 1898 | 30.1 | 37.0 | 40.6 | 53.5 | 60.3 | 73.7 | 77.5 | 78.5 | 66.3 | 51.7 | 39.8 | 27.1 | 53.0 |
| 1899 | 29.6 | 19.6 | 37.4 | 53.0 | 66.0 | 73.5 | 75.2 | 79.9 | 68.9 | 57.0 | 45.5 | 30.7 | 53.4 |
| 1900 | 35.3 | 29.6 | 42.5 | 51.9 | 63.6 | 74.5 | 77.3 | 80.0 | 68.0 | 59.2 | 41.0 | 34.2 | 55.3 |
| 1901 | 31.0 | 27.4 | 40.7 | 51.6 | 61.8 | 76.1 | 82.6 | 77.7 | 67.5 | 57.2 | 44.1 | 31.7 | 54.1 |
| 1902 | 30.2 | 31.8 | 44.0 | 54.5 | 66.4 | 70.5 | 76.4 | 78.7 | 64.6 | 57.1 | 43.2 | 27.2 | 53.9 |
| 1903 | 33.3 | 24.0 | 39.5 | 53.2 | 60.0 | 65.6 | 77.8 | 75.5 | 66.1 | 56.2 | 41.5 | 34.2 | 52.2 |
| 1904 | 29.2 | 33.7 | 46.0 | 51.2 | 61.8 | 68.9 | 75.5 | 74.7 | 68.9 | 57.5 | 44.7 | 31.5 | 53.6 |
| 1905 | 23.5 | 21.2 | 47.9 | 50.2 | 60.1 | 74.2 | 73.3 | 78.3 | 70.7 | 48.7 | 44.7 | 32.3 | 52.1 |
| 1906 | 36.1 | 35.5 | 32.0 | 56.1 | 63.4 | 69.9 | 72.5 | 75.5 | 67.8 | 52.5 | 40.0 | 38.3 | 53.3 |
| 1907 | 30.0 | 37.5 | 50.1 | 48.4 | 57.3 | 71.1 | 78.0 | 77.0 | 69.2 | 56.7 | 40.8 | 32.2 | 54.0 |
| 1908 | 34.5 | 35.9 | 46.2 | 54.9 | 62.7 | 72.1 | 75.6 | 75.7 | 70.0 | 54.2 | 42.1 | 33.5 | 54.8 |
| 1909 | 29.9 | 35.1 | 40.1 | 50.9 | 60.2 | 72.0 | 77.6 | 79.2 | 68.2 | 55.4 | 45.4 | 21.8 | 53.0 |
| 1910 | 29.9 | 30.9 | 54.2 | 55.8 | 59.6 | 73.0 | 79.2 | 75.0 | 70.0 | 58.9 | 43.7 | 34.1 | 55.4 |
| 1911 | 34.9 | 32.5 | 47.6 | 53.2 | 64.7 | 78.1 | 77.8 | 75.4 | 73.3 | 51.9 | 37.4 | 25.5 | 54.4 |
| 1912 | 18.4 | 32.2 | 30.1 | 51.8 | 64.4 | 68.0 | 77.5 | 74.6 | 63.2 | 55.2 | 43.9 | 33.1 | 51.0 |
| 1913 | 28.8 | 24.8 | 39.6 | 54.9 | 65.9 | 72.0 | 80.1 | 81.5 | 64.8 | 52.2 | 46.2 | 31.1 | 53.5 |
| 1914 | 37.8 | 30.4 | 42.4 | 53.3 | 62.0 | 75.6 | 77.3 | 76.2 | 70.9 | 56.7 | 46.5 | 23.1 | 54.4 |
| 1915 | 29.1 | 37.4 | 31.3 | 56.1 | 57.7 | 67.1 | 72.5 | 69.3 | 66.7 | 57.2 | 45.2 | 32.6 | 51.9 |
| 1916 | 24.1 | 34.7 | 47.5 | 49.4 | 62.2 | 69.1 | 80.4 | 76.9 | 66.1 | 54.8 | 40.2 | 27.2 | 52.7 |
| 1917 | 29.4 | 33.4 | 39.7 | 49.5 | 55.9 | 71.7 | 79.3 | 73.0 | 68.2 | 50.1 | 47.0 | 28.8 | 52.2 |
| 1918 | 21.9 | 37.2 | 48.5 | 46.8 | 65.1 | 76.7 | 77.0 | 78.7 | 62.9 | 58.6 | 39.9 | 31.6 | 53.7 |
| 1919 | 27.0 | 28.9 | 42.1 | 51.2 | 60.3 | 69.6 | 78.4 | 77.5 | 71.6 | 50.9 | 36.9 | 28.6 | 51.9 |
| 1920 | 32.8 | 35.0 | 43.4 | 46.6 | 60.7 | 70.9 | 77.0 | 71.5 | 67.8 | 58.3 | 38.8 | 32.7 | 53.0 |
| 1921 | 35.4 | 38.6 | 48.5 | 52.5 | 63.1 | 71.7 | 77.4 | 76.8 | 71.0 | 58.8 | 42.7 | 32.1 | 55.7 |
| 1922 | 27.2 | 32.4 | 40.2 | 51.5 | 62.1 | 73.5 | 76.8 | 79.4 | 72.2 | 57.3 | 43.3 | 33.4 | 54.1 |
| 1923 | 37.0 | 30.6 | 39.1 | 52.6 | 59.4 | 70.7 | 77.1 | 75.1 | 67.0 | 49.8 | 43.4 | 32.4 | 52.7 |
| 1924 | 27.0 | 35.6 | 31.7 | 52.6 | 56.2 | 72.7 | 75.2 | 77.4 | 64.5 | 58.4 | 43.8 | 22.3 | 51.4 |
| 1925 | 24.9 | 40.0 | 47.5 | 57.1 | 63.0 | 76.7 | 79.1 | 75.3 | 69.9 | 46.8 | 40.9 | 33.1 | 54.5 |
| 1926 | 32.6 | 40.8 | 40.5 | 48.4 | 63.9 | 71.7 | 77.7 | 78.1 | 68.1 | 58.0 | 39.5 | 29.9 | 54.1 |
| 1927 | 32.6 | 36.7 | 40.8 | 55.3 | 65.5 | 69.9 | 76.4 | 71.2 | 68.7 | 58.9 | 44.1 | 25.8 | 53.8 |
| 1928 | 35.4 | 35.0 | 44.4 | 50.1 | 62.5 | 65.0 | 76.1 | 74.5 | 66.7 | 55.8 | 41.4 | 34.0 | 53.6 |
| 1929 | 25.5 | 23.9 | 44.6 | 53.9 | 60.3 | 71.0 | 78.6 | 77.7 | 64.8 | 54.9 | 32.4 | 34.7 | 51.9 |
| 1930 | 17.9 | 44.6 | 39.8 | 57.0 | 60.3 | 72.1 | 79.4 | 77.8 | 68.4 | 53.4 | 42.2 | 32.3 | 53.8 |
| 1931 | 35.3 | 40.8 | 37.5 | 51.0 | 59.2 | 76.6 | 78.4 | 75.1 | 75.2 | 59.4 | 41.8 | 35.2 | 55.5 |
| 1932 | 26.5 | 39.3 | 36.3 | 55.5 | 64.8 | 70.8 | 81.4 | 78.3 | 66.9 | 53.4 | 41.7 | 25.6 | 53.4 |
| 1933 | 36.7 | 30.3 | 45.6 | 52.6 | 62.1 | 79.2 | 80.9 | 75.5 | 72.7 | 57.2 | 45.8 | 39.5 | 56.5 |
| 1934 | 36.7 | 36.3 | 44.1 | 55.9 | 69.7 | 78.5 | 85.6 | 81.2 | 63.0 | 60.7 | 45.9 | 33.8 | 57.6 |
| 1935 | 36.6 | 38.7 | 49.2 | 51.4 | 56.7 | 71.2 | 83.6 | 79.9 | 68.2 | 55.2 | 38.5 | 34.3 | 55.3 |
| 1936 | 28.3 | 22.4 | 46.2 | 52.9 | 65.7 | 76.1 | 83.2 | 81.9 | 70.0 | 53.5 | 42.6 | 36.1 | 54.9 |
| 1937 | 19.8 | 33.8 | 39.4 | 53.2 | 65.9 | 72.5 | 81.7 | 83.2 | 70.8 | 56.6 | 41.1 | 31.7 | 54.1 |
| 1938 | 34.8 | 37.2 | 49.0 | 53.2 | 62.4 | 73.6 | 80.2 | 82.5 | 71.2 | 62.5 | 40.0 | 35.4 | 56.8 |
| 1939 | 36.9 | 28.8 | 43.5 | 54.0 | 67.1 | 74.4 | 82.1 | 77.9 | 73.5 | 58.6 | 43.4 | 38.2 | 56.5 |
| 1940 | 15.8 | 34.4 | 44.3 | 53.3 | 63.1 | 73.5 | 81.9 | 75.6 | 70.4 | 61.5 | 39.4 | 36.2 | 54.1 |
| 1941 | 33.1 | 34.7 | 40.2 | 52.8 | 65.6 | 70.0 | 76.6 | 76.7 | 69.4 | 56.1 | 44.4 | 35.1 | 54.6 |
| 1942 | 28.6 | 30.8 | 42.8 | 55.4 | 62.1 | 71.3 | 79.3 | 76.1 | 65.7 | 56.1 | 43.7 | 33.2 | 53.8 |
| 1943 | 32.5 | 40.8 | 39.0 | 57.2 | 59.3 | 74.0 | 80.6 | 81.8 | 67.3 | 54.5 | 41.8 | 30.9 | 55.0 |
| 1944 | 32.1 | 34.1 | 37.8 | 47.0 | 64.0 | 73.1 | 76.1 | 76.9 | 68.2 | 56.9 | 43.0 | 31.4 | 53.4 |
| 1945 | 32.2 | 35.1 | 48.0 | 49.1 | 61.3 | 66.0 | 77.3 | 77.7 | 67.5 | 56.7 | 44.5 | 28.7 | 53.7 |
| Means | 29.7 | 32.8 | 41.8 | 52.8 | 62.3 | 72.4 | 78.3 | 76.9 | 68.4 | 55.5 | 41.7 | 32.0 | 53.7 |

MEAN TEMPERATURE, BY MONTHS AND YEARS, FOR KANSAS

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|-------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1887 | 26.0 | 30.0 | 45.8 | 56.9 | 69.5 | 76.2 | 80.1 | 75.3 | 68.7 | 54.6 | 41.5 | 28.3 | 54.4 |
| 1888 | 20.9 | 36.6 | 37.2 | 56.7 | 61.7 | 74.6 | 81.2 | 76.3 | 67.9 | 55.6 | 38.1 | 35.9 | 53.6 |
| 1889 | 27.6 | 27.4 | 43.0 | 55.3 | 62.9 | 71.2 | 76.9 | 76.1 | 65.9 | 55.4 | 37.5 | 43.9 | 53.6 |
| 1890 | 27.3 | 32.9 | 40.9 | 55.2 | 64.4 | 77.6 | 83.1 | 76.1 | 65.4 | 55.0 | 43.4 | 36.3 | 54.8 |
| 1891 | 30.4 | 29.8 | 34.7 | 56.3 | 62.1 | 70.7 | 74.0 | 75.1 | 70.6 | 54.8 | 39.9 | 37.0 | 53.0 |
| 1892 | 26.4 | 35.3 | 38.1 | 52.6 | 58.5 | 73.4 | 77.5 | 76.5 | 69.8 | 54.9 | 40.5 | 27.2 | 52.7 |
| 1893 | 29.3 | 29.2 | 40.8 | 54.2 | 61.5 | 74.7 | 79.5 | 73.8 | 70.5 | 55.1 | 39.9 | 36.4 | 53.6 |
| 1894 | 28.5 | 25.3 | 45.8 | 57.3 | 65.2 | 74.2 | 77.8 | 78.0 | 68.5 | 57.9 | 43.1 | 34.7 | 54.7 |
| 1895 | 25.3 | 24.8 | 42.2 | 58.6 | 65.8 | 71.7 | 74.9 | 76.0 | 72.7 | 52.3 | 40.9 | 33.4 | 53.2 |
| 1896 | 34.2 | 37.9 | 39.2 | 60.6 | 69.3 | 74.1 | 78.1 | 78.7 | 65.8 | 54.2 | 37.7 | 39.6 | 55.8 |
| 1897 | 28.4 | 33.5 | 42.5 | 53.6 | 64.1 | 76.6 | 80.2 | 76.0 | 74.0 | 60.9 | 42.2 | 29.0 | 55.1 |
| 1898 | 31.9 | 36.9 | 42.8 | 53.7 | 62.9 | 75.0 | 77.7 | 78.2 | 69.4 | 53.8 | 39.7 | 27.8 | 54.2 |
| 1899 | 30.1 | 19.6 | 37.3 | 54.2 | 67.4 | 73.9 | 76.2 | 80.6 | 68.8 | 61.8 | 48.4 | 31.4 | 54.1 |
| 1900 | 35.2 | 27.9 | 42.5 | 55.8 | 65.5 | 74.9 | 77.9 | 81.0 | 70.4 | 61.5 | 41.9 | 35.2 | 55.8 |
| 1901 | 32.6 | 28.0 | 42.3 | 52.9 | 63.1 | 77.3 | 85.0 | 79.1 | 69.1 | 60.0 | 44.9 | 30.6 | 55.4 |
| 1902 | 30.2 | 26.9 | 45.7 | 55.0 | 68.4 | 70.9 | 76.8 | 78.2 | 63.8 | 58.8 | 46.4 | 28.4 | 54.1 |
| 1903 | 32.2 | 27.4 | 43.5 | 55.2 | 62.4 | 67.2 | 78.3 | 75.3 | 66.8 | 57.2 | 41.8 | 33.8 | 53.4 |
| 1904 | 29.3 | 32.6 | 46.9 | 50.9 | 62.4 | 70.4 | 75.6 | 74.6 | 70.2 | 59.0 | 46.2 | 31.7 | 54.2 |
| 1905 | 21.8 | 21.1 | 50.3 | 53.2 | 63.1 | 75.5 | 74.5 | 78.7 | 71.4 | 54.0 | 45.9 | 33.0 | 53.5 |
| 1906 | 35.2 | 35.8 | 33.1 | 58.6 | 65.0 | 71.8 | 73.8 | 76.3 | 70.4 | 54.6 | 41.4 | 37.4 | 54.4 |
| 1907 | 31.2 | 35.5 | 52.5 | 48.7 | 58.3 | 72.0 | 78.4 | 78.1 | 69.7 | 57.3 | 42.6 | 34.7 | 54.9 |
| 1908 | 35.5 | 36.5 | 48.3 | 56.1 | 63.8 | 72.1 | 75.8 | 76.2 | 70.3 | 55.1 | 44.3 | 35.9 | 55.8 |
| 1909 | 29.8 | 36.6 | 42.1 | 53.0 | 62.2 | 73.1 | 78.1 | 80.1 | 69.9 | 56.5 | 48.8 | 22.8 | 54.4 |
| 1910 | 30.4 | 30.0 | 56.1 | 57.2 | 60.0 | 72.2 | 79.5 | 75.7 | 70.3 | 59.9 | 44.4 | 33.0 | 55.7 |
| 1911 | 34.1 | 35.9 | 47.8 | 54.4 | 66.7 | 80.5 | 78.6 | 76.4 | 74.6 | 54.9 | 38.7 | 31.1 | 56.1 |
| 1912 | 19.1 | 31.1 | 32.1 | 54.5 | 66.8 | 69.3 | 79.9 | 77.4 | 66.2 | 57.8 | 45.4 | 34.9 | 52.9 |
| 1913 | 29.7 | 26.5 | 39.9 | 56.9 | 66.7 | 74.2 | 82.1 | 84.2 | 67.8 | 54.0 | 49.4 | 34.4 | 55.5 |
| 1914 | 37.8 | 30.2 | 43.9 | 54.7 | 64.3 | 78.2 | 79.9 | 78.2 | 72.1 | 58.3 | 48.3 | 23.6 | 55.8 |
| 1915 | 29.4 | 38.0 | 33.0 | 59.0 | 60.3 | 69.2 | 74.0 | 70.1 | 69.2 | 59.0 | 48.2 | 34.7 | 53.7 |
| 1916 | 25.4 | 32.3 | 47.8 | 50.6 | 64.2 | 70.3 | 81.2 | 79.6 | 67.8 | 57.4 | 44.0 | 28.5 | 54.1 |
| 1917 | 31.5 | 31.9 | 43.8 | 52.1 | 57.5 | 72.8 | 80.8 | 73.4 | 69.1 | 51.0 | 47.6 | 26.4 | 53.2 |
| 1918 | 19.4 | 35.9 | 49.8 | 48.6 | 67.6 | 78.4 | 78.3 | 82.3 | 63.8 | 60.3 | 42.8 | 35.6 | 55.2 |
| 1919 | 30.2 | 32.5 | 44.1 | 53.2 | 61.3 | 72.3 | 80.2 | 78.3 | 72.5 | 54.7 | 39.8 | 27.6 | 53.9 |
| 1920 | 31.6 | 35.8 | 45.7 | 49.0 | 63.2 | 72.8 | 77.6 | 72.9 | 70.1 | 60.5 | 40.1 | 34.5 | 54.5 |
| 1921 | 36.9 | 40.2 | 50.0 | 54.9 | 65.5 | 74.4 | 79.2 | 78.6 | 73.7 | 59.9 | 43.8 | 34.5 | 57.6 |
| 1922 | 28.5 | 33.8 | 43.3 | 54.9 | 64.6 | 75.2 | 77.0 | 80.1 | 73.1 | 59.3 | 45.6 | 34.4 | 55.8 |
| 1923 | 38.5 | 31.5 | 40.8 | 54.3 | 61.3 | 73.0 | 78.7 | 78.2 | 69.6 | 51.7 | 45.2 | 35.8 | 54.9 |
| 1924 | 26.2 | 35.7 | 35.4 | 55.0 | 58.1 | 74.1 | 75.6 | 78.8 | 65.6 | 60.9 | 45.7 | 24.5 | 53.0 |
| 1925 | 25.5 | 39.9 | 48.6 | 59.8 | 62.9 | 77.6 | 79.8 | 77.2 | 72.7 | 47.9 | 42.5 | 33.2 | 55.6 |
| 1926 | 32.7 | 41.1 | 41.4 | 49.6 | 66.3 | 72.7 | 78.8 | 79.4 | 69.2 | 58.6 | 40.3 | 31.8 | 55.2 |
| 1927 | 32.1 | 38.5 | 43.2 | 57.2 | 65.5 | 71.2 | 77.2 | 71.8 | 69.9 | 60.6 | 44.8 | 27.6 | 55.0 |
| 1928 | 34.7 | 36.8 | 46.7 | 51.6 | 64.9 | 67.3 | 77.5 | 76.9 | 67.7 | 59.0 | 43.3 | 35.8 | 55.2 |
| 1929 | 24.7 | 25.0 | 46.9 | 56.5 | 61.2 | 72.1 | 78.9 | 78.9 | 67.2 | 57.2 | 35.7 | 34.7 | 53.2 |
| 1930 | 17.9 | 46.3 | 42.3 | 59.1 | 62.6 | 72.7 | 81.4 | 79.7 | 70.8 | 55.0 | 45.0 | 33.6 | 55.5 |
| 1931 | 36.4 | 41.7 | 39.1 | 53.1 | 60.5 | 77.8 | 80.4 | 76.0 | 77.5 | 61.7 | 46.2 | 38.9 | 57.4 |
| 1932 | 28.7 | 40.4 | 36.9 | 57.5 | 65.6 | 73.4 | 81.6 | 79.3 | 68.5 | 55.2 | 41.0 | 28.1 | 54.7 |
| 1933 | 39.3 | 31.4 | 46.1 | 54.7 | 64.3 | 80.7 | 81.4 | 76.7 | 74.3 | 57.8 | 47.2 | 39.6 | 57.8 |
| 1934 | 36.3 | 36.0 | 44.1 | 57.1 | 69.6 | 80.5 | 87.2 | 83.6 | 65.2 | 62.3 | 47.3 | 33.1 | 58.5 |
| 1935 | 35.0 | 38.8 | 51.0 | 52.3 | 59.0 | 71.0 | 84.3 | 80.4 | 69.1 | 56.1 | 40.2 | 33.8 | 55.9 |
| 1936 | 26.3 | 22.2 | 48.5 | 54.5 | 67.7 | 77.3 | 85.7 | 85.3 | 72.5 | 55.2 | 43.1 | 37.7 | 56.3 |
| 1937 | 21.3 | 32.7 | 40.0 | 54.3 | 66.7 | 74.3 | 81.7 | 83.5 | 71.3 | 57.2 | 41.0 | 31.8 | 54.6 |
| 1938 | 34.6 | 37.7 | 51.0 | 55.0 | 63.5 | 73.8 | 80.9 | 82.9 | 72.3 | 64.8 | 42.6 | 36.2 | 57.9 |
| 1939 | 38.3 | 30.4 | 45.5 | 54.5 | 68.5 | 75.3 | 83.4 | 78.1 | 75.5 | 61.1 | 44.3 | 39.0 | 57.8 |
| 1940 | 15.2 | 33.8 | 44.7 | 54.3 | 63.9 | 74.3 | 81.8 | 76.3 | 70.5 | 63.5 | 40.4 | 36.5 | 54.6 |
| 1941 | 33.3 | 34.1 | 40.4 | 56.3 | 67.9 | 72.1 | 79.0 | 78.6 | 71.0 | 58.4 | 45.1 | 37.8 | 56.2 |
| 1942 | 30.3 | 32.3 | 44.4 | 58.1 | 63.2 | 72.7 | 80.0 | 76.9 | 66.6 | 57.8 | 45.4 | 32.4 | 55.0 |
| 1943 | 30.5 | 40.4 | 39.5 | 58.3 | 60.9 | 75.4 | 80.6 | 82.8 | 67.5 | 55.8 | 42.5 | 30.8 | 55.4 |
| 1944 | 34.4 | 36.3 | 39.2 | 49.3 | 66.4 | 75.4 | 77.4 | 77.9 | 69.2 | 58.9 | 45.7 | 30.8 | 55.1 |
| 1945 | 32.6 | 35.2 | 50.3 | 52.0 | 61.6 | 68.0 | 77.2 | 78.5 | 69.2 | 57.4 | 45.8 | 27.5 | 54.6 |
| Means | 30.0 | 33.2 | 43.4 | 54.7 | 63.9 | 73.8 | 79.2 | 78.0 | 69.7 | 57.3 | 43.3 | 33.0 | 55.0 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

ATCHISON, ATCHISON COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------------------|------|-------------------|------|-------------------|-------------------|------|-------------------|-------------------|-------------------|-------------------|--------|
| 1884 | .... | 25.0 | 39.8 | 50.2 | 62.5 | 71.0 | 76.4 | 72.1 | 72.0 | 58.7 | 40.6 | 22.2 | .... |
| 1885 | 16.2 | 18.7 | 38.7 | 52.6 | 61.8 | 71.6 | 78.2 | 72.8 | 65.9 | 50.9 | 41.2 | 31.5 | 50.0 |
| 1886 | 12.8 | .... | 37.5 | 53.4 | 65.7 | 71.9 | 79.8 | 79.4 | 71.1 | .... | .... | .... | .... |
| | | | | | | | | | | | | | |
| 1891 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 56.2 | 39.4 | 39.2 | .... |
| 1892 | 22.7 | 36.2 | 37.2 | 51.9 | 58.4 | 74.3 | 76.6 | 76.1 | 70.4 | 58.8 | 41.7 | 26.0 | 52.5 |
| 1893 | 21.5 | 26.2 | 39.2 | 53.2 | 61.4 | 73.5 | 78.2 | 73.2 | 70.2 | 58.4 | 40.2 | 33.2 | 52.4 |
| 1894 | 27.0 | 26.2 | 46.4 | 57.2 | 64.7 | 74.1 | 76.6 | 78.6 | 68.5 | 57.6 | 40.4 | 35.7 | 54.4 |
| 1895 | 22.6 | 23.8 | 40.8 | 58.2 | 65.0 | 72.1 | 73.6 | 74.4 | 71.7 | 52.0 | 40.0 | 30.6 | 52.1 |
| 1896 | 30.2 | 35.0 | 37.2 | 59.9 | 68.0 | 71.6 | 76.6 | 75.8 | 64.1 | 54.2 | 37.0 | 38.0 | 54.0 |
| 1897 | 24.8 | 30.7 | 40.9 | 52.6 | 64.0 | 74.6 | 78.5 | 73.4 | 75.4 | 63.4 | 42.4 | 26.2 | 53.9 |
| 1898 | 31.2 | 32.9 | 42.2 | 55.4 | 62.7 | 74.2 | 75.8 | 77.2 | 70.4 | 52.0 | 38.2 | 25.0 | 53.1 |
| 1899 | 28.1 | 17.8 | 32.2 | 52.8 | 66.5 | 73.7 | 75.5 | 78.6 | 67.9 | 63.6 | 49.4 | 28.6 | 52.9 |
| 1900 | 34.0 | 23.5 | 39.2 | 56.8 | 66.0 | 74.0 | 76.4 | 79.3 | 69.4 | 61.7 | 39.8 | 34.2 | 54.5 |
| 1901 | 32.2 | 24.4 | 40.2 | 52.6 | 62.7 | 75.2 | 86.6 | 78.4 | 70.2 | 60.8 | 43.6 | 26.5 | 54.4 |
| 1902 | 28.7 | 22.6 | 44.4 | 53.4 | 69.0 | 69.4 | 76.2 | 76.0 | 62.8 | 59.1 | 46.8 | 27.0 | 53.0 |
| 1903 | 31.0 | 26.9 | 44.4 | 55.6 | 64.7 | 67.5 | 76.8 | 72.6 | 65.1 | 56.7 | 41.0 | 29.6 | 52.7 |
| 1904 | 25.4 | 27.4 | 42.5 | 49.2 | 62.2 | 69.8 | 73.2 | 72.2 | 69.2 | 57.2 | 45.1 | 31.6 | 52.1 |
| 1905 | 19.4 | 20.0 | 49.4 | 53.5 | 63.0 | 75.2 | 73.0 | 77.1 | 69.6 | 53.0 | 45.0 | 32.0 | 52.5 |
| 1906 | 33.0 | 33.7 | 31.6 | 58.6 | 66.6 | 73.6 | 74.6 | 76.6 | 70.6 | 56.0 | 40.0 | 34.6 | 54.1 |
| 1907 | 29.0 | 31.4 | 50.3 | 47.5 | 59.0 | 71.8 | 78.8 | 77.0 | 69.2 | 57.0 | 42.3 | 35.0 | 54.0 |
| 1908 | 33.2 | 33.0 | 47.0 | 55.6 | 63.4 | 69.9 | 74.4 | .... | .... | 56.4 | 43.6 | 35.9 | .... |
| 1909 | 28.6 | 34.6 | 40.0 | 52.4 | 62.0 | 72.8 | 77.4 | 80.1 | .... | 56.6 | 50.0 | 20.8 | .... |
| 1910 | 26.6 | 27.8 | 57.2 | 57.6 | 59.4 | 71.4 | 79.0 | 75.4 | 69.4 | 60.0 | 42.2 | 30.7 | 54.7 |
| 1911 | 30.9 | 35.3 | 45.8 | 54.2 | 68.3 | 79.8 | 78.5 | 75.8 | 73.9 | 55.2 | 37.6 | 33.4 | 55.7 |
| 1912 | 15.0 | 27.4 | 32.8 | 54.3 | .... | .... | .... | .... | .... | 58.4 | 46.4 | 36.4 | .... |
| 1913 | 30.0 | 27.2 | 39.6 | 57.0 | 66.4 | 71.9 | .... | 85.6 | 69.2 | 53.8 | 50.7 | 36.4 | .... |
| 1914 | 36.0 | 26.8 | 42.2 | 54.8 | 66.2 | 77.8 | 79.8 | 78.2 | 70.0 | 58.9 | 49.2 | 22.8 | 55.2 |
| 1915 | 27.2 | 37.2 | 34.4 | 61.4 | 62.5 | 70.7 | 74.0 | 71.0 | 70.0 | 60.6 | 47.9 | 33.4 | 54.2 |
| 1916 | 25.0 | 28.6 | 44.8 | 52.8 | 65.0 | 70.2 | 82.7 | 80.6 | 67.1 | 56.8 | 45.1 | 28.4 | 53.9 |
| 1917 | 29.4 | 29.0 | 44.4 | 51.9 | 58.6 | 72.4 | 79.4 | 72.0 | 68.8 | 49.4 | 47.0 | 24.2 | 52.2 |
| 1918 | 17.2 | 33.8 | 51.2 | 49.9 | 70.6 | 79.8 | 80.2 | 85.0 | 63.8 | 61.0 | 44.6 | 37.9 | 56.2 |
| 1919 | 32.6 | 34.3 | 45.0 | 54.2 | 63.8 | 75.0 | 81.6 | 76.8 | 71.0 | 55.8 | 40.9 | .... | .... |
| 1920 | .... | 32.8 | 44.6 | 47.5 | 62.6 | 72.8 | 74.8 | 72.1 | 68.8 | 59.4 | 38.8 | 33.3 | .... |
| 1921 | 33.8 | 38.4 | 49.4 | 55.4 | 65.6 | 75.8 | 80.8 | 76.9 | 71.2 | 57.1 | 41.0 | 33.9 | 56.6 |
| 1922 | 26.8 | 32.8 | 43.2 | 55.4 | 65.0 | 74.4 | 75.8 | 77.8 | 70.6 | 57.6 | 45.6 | 31.0 | 54.7 |
| 1923 | 35.4 | 29.2 | 40.0 | 54.1 | 61.8 | 73.6 | 77.9 | 76.2 | 67.8 | 52.0 | 43.2 | 36.6 | 54.0 |
| 1924 | 21.8 | 32.6 | 36.8 | 55.2 | 58.2 | 72.0 | 73.5 | 77.8 | 63.8 | 60.1 | 44.2 | 24.0 | 51.7 |
| 1925 | 25.6 | 36.1 | 46.0 | 59.8 | 61.4 | 75.1 | 77.8 | 75.6 | 72.8 | 45.7 | 40.4 | 30.0 | 53.9 |
| 1926 | 31.0 | 37.8 | 40.2 | 49.2 | 67.6 | 72.3 | 78.8 | 78.4 | 69.4 | 56.1 | 38.2 | 30.0 | 54.1 |
| 1927 | 28.5 | 36.7 | 43.3 | 57.3 | 64.2 | 71.0 | 76.0 | 70.8 | 70.2 | 58.8 | 43.4 | 26.1 | 53.9 |
| 1928 | 30.8 | 37.6 | 45.4 | 50.8 | 66.4 | 68.0 | 77.9 | 77.2 | 64.6 | 57.4 | 43.0 | 34.4 | 54.5 |
| 1929 | 20.2 | 22.9 | 47.0 | 56.6 | 61.8 | 72.0 | 78.3 | 78.0 | 66.4 | 55.7 | 36.8 | 30.8 | 52.2 |
| 1930 | 15.7 | 44.2 | 42.4 | 58.6 | 62.8 | 72.0 | 80.8 | 78.6 | 69.6 | 54.6 | 46.1 | 33.6 | 54.9 |
| 1931 | 36.2 | 40.6 | 39.0 | 54.8 | 61.0 | 79.3 | 80.0 | 74.6 | 75.6 | 61.0 | 49.6 | 40.5 | 57.7 |
| 1932 | 29.4 | 39.9 | 35.4 | 56.6 | 65.0 | 74.2 | 79.6 | 78.0 | 66.8 | 54.2 | 38.6 | 28.0 | 53.8 |
| 1933 | 40.1 | 31.0 | 44.8 | 54.0 | 63.9 | 79.1 | 79.2 | 74.2 | 73.2 | 56.2 | 46.4 | 37.6 | 56.6 |
| 1934 | 34.3 | 32.8 | 41.2 | 56.5 | 69.4 | 80.2 | 85.7 | 79.2 | 62.6 ^b | 60.7 ^d | 46.6 | 30.2 | 56.6 |
| 1935 | 30.8 | 36.6 | 50.4 | 51.6 | 58.4 | 69.0 | 83.6 | 78.2 | 67.9 | 55.0 | 39.4 | 31.0 | 54.3 |
| 1936 | 17.6 | 17.0 | 48.4 | 52.6 | 68.3 | 75.4 | 85.8 | 84.7 | 71.6 | 54.4 ^b | 40.2 ^a | 35.8 | 54.3 |
| 1937 | 20.1 | 28.2 | 38.3 | 52.2 | 64.6 | 73.2 | 79.6 | 81.6 | 69.6 | 55.4 | 38.6 | 29.0 | 52.5 |
| 1938 | 31.7 | 36.8 | 51.5 | 54.6 | 63.2 | 72.8 | 79.6 | 80.4 | 70.5 | 65.4 | 43.4 | 34.6 ^a | 57.0 |
| 1939 | 36.9 | 29.2 | 44.0 | 53.2 | 69.0 | 74.0 | 82.2 ^b | 75.8 | 76.1 | 61.3 | 44.6 | 38.2 | 57.0 |
| 1940 | 11.4 | 29.8 | 42.2 | 53.3 | 62.8 | 73.4 | 79.6 | 75.5 | 69.2 | 64.6 | 39.8 | 34.9 | 53.0 |
| 1941 | 31.0 | 31.2 | 40.0 | 58.8 ^b | 69.5 | 73.8 ^a | 79.2 | 78.8 | 71.8 | 59.5 ^a | 45.4 | 39.6 | 56.6 |
| 1942 | 30.8 | 31.6 | 44.4 | 59.9 | 63.4 | 73.5 | 79.8 | 76.2 | 66.8 | 58.5 | 45.8 | 29.4 | 55.0 |
| 1943 | 26.9 | 38.3 | 38.8 | 57.8 | 62.4 | 75.2 ^b | 79.6 | 79.9 | 66.0 | 56.6 | 41.3 | 30.0 | 54.4 |
| 1944 | 35.0 | 36.4 ^a | 37.6 | 49.4 | 68.2 | 75.4 | 77.1 | 75.4 | 68.8 | 59.8 | 46.2 | 27.8 | 54.8 |
| 1945 | 29.7 | 34.0 | 51.1 | 53.4 | 59.9 | 67.5 | 76.1 | 78.0 | 69.5 | 57.2 | 45.0 | 25.0 | 53.9 |
| 1946 | 31.7 | 41.0 | 54.8 | 59.3 | 60.6 | 75.3 | 78.8 ^a | 75.6 | 67.0 | 59.8 | 44.1 | 37.0 | 57.1 |
| Normal | 28.3 | 31.1 | 43.1 | 54.4 | 64.2 | 73.5 | 78.6 | 77.2 | 69.2 | 57.3 | 43.5 | 31.7 | 54.3 |

Note: - Monthly temperatures are computed by obtaining the average of the mean maximum and mean minimum temperatures, except in case of some of the early records where they were computed by adding the averages of the 7 a. m., 2 p. m., and twice the 9 p. m. temperatures, and dividing by four.

Reference marks, a, b, c, etc., appearing in the tables indicate number of days missing; for example, b represents two days, etc.

Normals for all stations are computed for the 45-year period, 1898 through 1942.

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

COLUMBUS, CHEROKEE COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------|-------------------|-------|-------|-------|-------|------|------|------|-------------------|-------------------|--------|
| 1891 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 75.6 | 75.3 | 61.7 | 45.4 | 43.3 | ..... |
| 1892 | 32.2 | 40.2 | 40.0 | 54.7 | 64.2 | 74.8 | 76.9 | 77.4 | 70.1 | 59.4 | 42.5 | 31.0 | 55.3 |
| 1893 | 27.6 | 31.1 | 43.4 | 58.1 | 63.4 | 73.6 | 79.6 | 75.0 | 72.4 | 60.0 | 42.0 | 39.6 | 55.5 |
| 1894 | 32.6 | 30.4 | 49.2 | 58.6 | 65.5 | 75.2 | 76.1 | 76.4 | 69.0 | 59.2 | 44.4 | 36.6 | 56.1 |
| 1895 | 27.2 | 25.0 | 43.6 | 58.7 | 66.0 | 74.8 | 76.1 | 76.1 | 71.7 | 52.4 | 42.4 | 34.8 | 54.1 |
| 1896 | 34.2 | 37.8 | 41.4 | 62.7 | 71.0 | 74.0 | 78.2 | 78.0 | 67.6 | 54.4 | 43.5 | 40.4 | 56.9 |
| 1897 | 29.9 | 37.4 | 47.6 | 56.4 | 64.2 | 75.4 | 79.8 | 77.2 | 75.1 | 65.0 | 45.4 | 32.2 | 57.1 |
| 1898 | 37.2 | 39.8 | 46.0 | 54.4 | 66.8 | 76.9 | 77.4 | 76.8 | 71.5 | 55.4 | 41.7 | 30.0 | 56.1 |
| 1899 | 32.4 | 23.2 | 40.8 | 54.8 | 69.4 | 74.7 | 78.0 | 80.0 | 69.2 | 63.5 | 51.2 | 32.9 | 55.8 |
| 1900 | 36.8 | 30.0 | 44.4 | 59.2 | 66.8 | 74.8 | 77.0 | 79.6 | 73.0 | 62.2 | 46.2 | 37.9 | 57.3 |
| 1901 | 36.8 | 33.0 | 44.2 | 53.8 | 64.8 | 78.0 | 86.2 | 80.0 | 71.0 | 61.8 | 47.3 | 31.8 | 57.4 |
| 1902 | 31.9 | 27.2 | 47.0 | 55.4 | 70.8 | 72.4 | 77.7 | 78.3 | 63.8 | 59.8 | 51.4 | 33.8 | 55.8 |
| 1903 | 33.9 | 31.3 | 47.9 | 56.4 | 64.2 | 68.8 | 78.4 | 75.6 | 68.2 | 58.3 | 42.9 | 34.4 | 55.0 |
| 1904 | 32.2 | 38.2 | 50.2 | 51.6 | 64.0 | 72.0 | 75.4 | 75.0 | 71.8 | 59.5 | 48.2 | 34.9 | 56.1 |
| 1905 | 24.8 | 22.6 | 52.8 | 56.7 | 66.2 | 76.2 | 74.7 | 76.9 | 71.6 | 56.2 | 48.2 | 34.0 | 55.1 |
| 1906 | 35.4 | 36.0 | 37.8 ^a | 61.2 | 66.1 | 72.4 | 74.6 | 76.0 | 73.6 | 55.8 | 44.2 | 40.2 | 56.1 |
| 1907 | 39.3 | 38.0 | 56.1 | 51.4 | 60.0 | 72.8 | 79.4 | 80.2 | 71.4 | 58.6 | 44.5 | 38.4 | 57.5 |
| 1908 | 36.8 | 39.0 | 51.5 | 56.4 | 67.0 | 73.6 | 76.4 | 78.4 | 71.6 | 56.2 | 47.2 | 39.0 | 57.8 |
| 1909 | 35.6 | 39.6 | 45.8 | 55.8 | 63.8 | 75.0 | 80.0 | 81.8 | 72.7 | 59.6 | 54.6 | 27.2 | 57.6 |
| 1910 | 35.1 | 31.0 | 56.7 | 56.8 | 62.4 | 72.8 | 79.1 | 77.2 | 72.0 | 60.0 | 46.6 | 35.0 | 57.1 |
| 1911 | 38.1 | 41.1 | 50.0 | 55.2 | 69.2 | 82.0 | 78.1 | 75.0 | 74.9 | 58.5 | 40.8 | 37.2 | 58.3 |
| 1912 | 24.5 | 31.0 | 39.0 | 56.2 | 68.2 | 70.6 | 80.0 | 78.8 | 69.4 | 60.0 | 46.2 | 36.5 | 55.0 |
| 1913 | 34.4 | 30.5 | 41.6 | 58.1 | 67.6 | 76.5 | 83.2 | 84.8 | 70.2 | 55.7 | 53.8 | 38.8 | 57.9 |
| 1914 | 39.8 | 33.5 | 46.1 | 56.4 | 66.0 | 81.2 | 81.0 | 78.6 | 72.6 | 60.0 | 50.6 | 29.7 | 58.0 |
| 1915 | 33.8 | 41.8 | 37.1 | 61.8 | 63.8 | 71.6 | 75.6 | 70.8 | 71.6 | 59.8 | 51.4 | 39.6 | 56.6 |
| 1916 | 33.4 | 34.8 | 50.2 | 54.0 | 66.5 | 71.8 | 81.5 | 82.2 | 71.2 | 60.8 | 48.6 | 34.4 | 57.4 |
| 1917 | 36.8 | 35.0 | 48.8 | 55.8 | 60.9 | 72.1 | 81.0 | 74.8 | 69.6 | 52.5 | 48.2 | 27.6 | 55.3 |
| 1918 | 19.8 | 38.7 | 53.4 | 53.2 | 68.7 | 81.0 | 80.0 | 84.8 | 64.9 | 63.3 | 46.8 | 40.2 | 57.9 |
| 1919 | 36.3 | 37.1 | 49.0 | 56.9 | 63.4 | 73.8 | 79.2 | 80.2 | 72.6 | 59.6 | 44.8 ^b | 32.4 | 57.1 |
| 1920 | 32.4 | 39.4 | 47.8 | 54.3 | 67.4 | 72.6 | 77.2 | 73.2 | 70.6 | 62.2 | 43.3 | 39.2 | 56.6 |
| 1921 | 40.4 | 43.2 | 53.6 | 56.2 | 67.5 | 75.4 | 79.5 | 78.8 | 76.2 | 60.5 | 48.8 | 39.3 | 60.0 |
| 1922 | 32.6 | 40.2 | 46.7 | 58.2 | 66.7 | 75.6 | 76.4 | 78.3 | 73.8 | 61.6 | 49.0 | 39.8 | 58.2 |
| 1923 | 43.3 | 34.4 | 43.8 | 56.8 | 63.6 | 73.3 | 79.0 | 82.2 | 70.8 | 55.1 | 47.8 | 41.4 | 57.6 |
| 1924 | 29.1 | 37.8 | 40.4 | 58.0 | 60.1 | 75.5 | 75.0 | 78.6 | 65.8 | 62.7 | 50.2 | 31.2 | 55.4 |
| 1925 | 32.4 | 42.8 | 52.0 | 63.6 | 64.0 | 78.8 | 80.2 | 78.8 | 76.1 | 52.1 | 46.0 | 34.8 | 58.5 |
| 1926 | 35.2 | 43.2 | 42.8 | 51.8 | 68.3 | 72.4 | 77.4 | 78.7 | 70.4 | 60.2 | 42.8 | 36.7 | 56.7 |
| 1927 | 34.9 | 43.5 | 47.8 | 61.2 | 67.6 | 72.5 | 76.2 | 72.2 | 71.0 | 63.1 | 49.4 | 32.7 | 57.7 |
| 1928 | 36.7 | 40.0 | 49.1 | 53.8 | 67.3 | 69.0 | 77.4 | 76.8 | 67.8 | 63.6 | 45.7 | 38.8 | 57.2 |
| 1929 | 29.6 | 27.3 | 50.2 | 59.8 | 62.0 | 72.2 | 78.4 | 79.2 | 69.8 | 59.8 | 40.2 | 38.4 | 55.6 |
| 1930 | 21.2 | 46.2 | 45.9 | 61.4 | 64.6 | 72.2 | 79.6 | 79.4 | 72.0 | 56.0 | 46.9 | 36.6 | 56.8 |
| 1931 | 38.0 | 44.0 | 41.2 | 54.2 | 61.4 | 76.4 | 79.6 | 73.6 | 76.9 | 64.2 | 53.2 | 45.2 | 59.0 |
| 1932 | 38.9 | 46.8 | 42.6 | 61.1 | 67.2 | 75.5 | 79.6 | 80.2 | 70.8 | 58.6 | 42.6 | 34.2 | 58.2 |
| 1933 | 44.0 | 35.8 | 48.8 | 57.4 | 67.4 | 78.6 | 80.4 | 77.0 | 75.3 | 59.5 | 49.2 | 43.6 | 59.8 |
| 1934 | 39.2 | 38.4 | 44.6 | 58.2 | 68.2 | 82.8 | 87.6 | 85.4 | 67.6 | 63.6 | 50.4 | 35.6 | 60.1 |
| 1935 | 36.4 | 40.7 | 53.4 | 54.6 | 62.2 | 71.2 | 82.2 | 79.4 | 69.1 | 59.0 | 44.4 | 35.1 | 57.3 |
| 1936 | 30.0 | 27.8 | 52.0 | 57.1 | 69.1 | 78.5 | 85.5 | 87.8 | 76.6 | 58.4 | 44.0 | 42.0 | 59.1 |
| 1937 | 29.4 | 36.2 | 42.6 | 57.0 | 67.6 | 76.2 | 78.4 | 80.9 | 70.9 | 59.2 | 43.0 | 34.8 | 56.4 |
| 1938 | 36.8 | 43.7 | 56.2 | 59.0 | 66.5 | 74.0 | 79.4 | 83.0 | 74.0 | 67.4 | 47.2 | 38.9 | 60.0 |
| 1939 | 41.5 | 35.7 | 50.6 | 55.4 | 67.8 | 75.3 | 81.6 | 79.6 | 79.0 | 64.8 | 45.5 | 44.1 ^d | 60.1 |
| 1940 | 18.8 ^f | 36.7 | 46.9 | 56.0 | 64.0 | 73.7 | 78.4 | 76.2 | 69.8 | 64.2 | 44.4 | 40.2 | 55.8 |
| 1941 | 37.6 | 36.8 | 42.3 | 60.6 | 69.6 | 73.4 | 80.3 | 79.4 | 71.8 | 63.4 | 47.2 | 41.9 | 58.7 |
| 1942 | 33.6 | 36.5 | 47.8 | 60.9 | 64.5 | 74.1 | 78.4 | 77.2 | 68.9 | 59.5 | 50.8 | 37.8 | 57.5 |
| 1943 | 33.4 | 42.5 | 41.5 | 59.2 | 65.0 | 76.6 | 81.4 | 83.4 | 68.1 | 58.0 | 46.4 | 34.0 | 57.5 |
| 1944 | 37.8 | 41.5 | 44.8 | 55.0 | 68.6 | 76.6 | 78.2 | 78.5 | 70.4 | 62.7 | 50.6 | 33.4 | 58.2 |
| 1945 | 34.9 | 38.5 | 53.8 | 56.6 | 62.6 | 71.8 | 76.3 | 77.8 | 70.8 | 59.5 | 49.4 | 30.4 | 56.9 |
| 1946 | 36.6 | 44.6 | 56.1 | 62.2 | 63.0 | 74.6 | 82.2 | 80.0 | 71.0 | 63.9 | 48.0 | 44.4 | 60.6 |
| Normal | 34.2 | 36.7 | 47.2 | 56.8 | 65.8 | 74.7 | 79.1 | 78.7 | 71.4 | 59.9 | 47.1 | 36.6 | 57.4 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

EMPORIA, LYON COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------------------|-------------------|-------------------|-------------------|------|------|------|------|------|------|-------------------|--------|
| 1880 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 25.5 | .... |
| 1881 | 19.5 | 26.2 | 37.2 | 52.0 | 67.6 | .... | 81.7 | 79.7 | 71.3 | 57.4 | 39.4 | 37.9 | .... |
| 1882 | 31.6 | 40.7 | 45.4 | 55.4 | 57.9 | 74.8 | 72.9 | 73.1 | 68.3 | 57.7 | 41.1 | 29.4 | 54.0 |
| 1883 | .... | 27.0 | 40.1 | 57.1 | 61.6 | .... | 78.4 | 73.8 | 69.1 | 54.0 | 44.3 | 34.2 | .... |
| 1884 | .... | 28.1 | .... | 49.9 | 62.2 | .... | 77.8 | 71.7 | 73.1 | 61.6 | 43.3 | 22.4 | .... |
| 1885 | 18.2 | 22.9 | 41.2 | 54.2 | 62.1 | .... | .... | .... | .... | .... | .... | .... | .... |
| 1886 | 15.5 | 34.1 | 40.7 | .... | .... | 68.2 | 80.0 | 78.8 | .... | 60.0 | 41.1 | 26.1 | .... |
| 1887 | 24.8 | 31.0 | 44.4 | 57.7 | 69.8 | 75.0 | 79.9 | 77.8 | 67.1 | 54.4 | 43.9 | .... | .... |
| 1888 | 20.7 | 34.9 | 38.8 | 55.8 | 64.9 | 75.6 | 81.0 | 85.0 | 68.0 | .... | 40.3 | 36.3 | .... |
| 1889 | 31.4 | 29.7 | 45.6 | 56.6 | 64.4 | 70.9 | 76.6 | 74.0 | 63.5 | 54.8 | 38.4 | 45.2 | 54.3 |
| 1890 | 29.4 | 34.2 | 40.4 | 56.7 | 63.1 | .... | .... | 73.8 | 63.0 | 55.2 | 45.0 | 37.0 | .... |
| 1891 | 32.8 | 31.4 | 36.0 | 57.5 | 61.4 | 71.4 | 74.6 | 74.6 | 69.7 | 56.2 | 41.6 | 39.3 | 53.9 |
| 1892 | 27.2 | 38.5 | 40.0 | 53.5 | 61.1 | 75.9 | 77.4 | 75.2 | 69.8 | 59.3 | 43.0 | 28.4 | 54.1 |
| 1893 | 26.5 | 31.5 | 42.2 | 56.0 | 63.0 | 77.3 | 78.2 | 75.1 | 70.9 | 56.9 | 42.4 | 37.6 | 54.6 |
| 1894 | 31.4 | 28.6 | 48.7 | 59.2 | 66.5 | 75.0 | 78.4 | 79.0 | 68.3 | 58.6 | 44.4 | 38.0 | 56.3 |
| 1895 | 27.2 | 27.5 | 44.0 | 59.9 | 66.3 | 74.8 | 75.8 | 76.4 | 71.6 | 52.5 | 42.9 | 34.4 | 54.4 |
| 1896 | 34.5 | 38.2 | 40.6 | 61.6 | 70.4 | 74.0 | 77.9 | 78.8 | 65.5 | 54.6 | 41.4 | 40.3 | 56.5 |
| 1897 | 29.6 | 35.0 | 44.0 | 55.6 | 65.0 | 76.3 | 82.0 | 76.0 | 73.4 | 62.0 | 45.2 | 27.4 | 56.0 |
| 1898 | 33.6 | 37.6 | 43.8 | 54.6 | 63.2 | 74.6 | 76.8 | 75.4 | 70.3 | 54.4 | 40.4 | 30.2 | 54.6 |
| 1899 | 31.9 | 21.2 | 37.6 | 55.3 | 69.6 | 75.5 | 76.2 | 79.0 | 68.0 | 63.2 | 48.9 | 31.3 | 54.8 |
| 1900 | .... | .... | .... | .... | .... | .... | .... | 81.0 | 70.1 | 61.4 | 43.6 | 37.4 | .... |
| 1901 | 34.2 | 27.8 | 44.2 | 54.0 | 64.8 | 78.8 | 86.0 | 79.4 | 68.8 | 60.8 | 46.2 | 31.3 | 55.5 |
| 1902 | 31.6 | 25.6 | 46.2 | 55.1 | 70.4 | 71.6 | 78.2 | 76.0 | 61.8 | 59.3 | 48.7 | 33.6 | 54.8 |
| 1903 | 24.9 | 28.8 | 45.8 | 53.7 | 62.4 | 67.2 | 76.8 | 73.6 | 64.7 | 55.7 | 39.8 | 33.6 | 52.2 |
| 1904 | 30.8 | 34.4 | 48.1 | 51.6 | 62.4 | 70.2 | 74.8 | 73.9 | 70.6 | 59.2 | 46.8 | 32.4 | 54.6 |
| 1905 | 22.4 | 20.9 | 52.6 | 55.0 | 64.6 | 75.2 | 73.4 | 78.4 | 71.0 | 55.0 | 45.6 | 33.4 | 54.0 |
| 1906 | 35.1 | 35.4 | 33.0 | 59.3 | 65.6 | 72.0 | 74.0 | 76.7 | 71.7 | 56.4 | 42.1 | 36.2 | 54.8 |
| 1907 | 31.8 | 34.4 | 55.4 | 49.6 | 59.4 | 71.5 | 78.4 | 78.0 | 69.7 | 57.4 | 44.0 | 36.0 | 55.5 |
| 1908 | 34.6 | 37.1 | 49.1 | 56.6 | 64.3 | 71.6 | 75.4 | 76.4 | 70.4 | 55.8 | 46.2 | 36.9 | 56.2 |
| 1909 | 30.7 | 37.2 | 42.4 | 54.6 | 62.2 | 73.0 | 77.5 | 79.2 | 71.6 | 58.4 | 50.6 | 23.2 | 55.0 |
| 1910 | 31.3 | 30.6 | 58.4 | 57.1 | 59.0 | 69.8 | 79.0 | 76.0 | 70.4 | 60.5 | 45.6 | 32.6 | 55.9 |
| 1911 | 36.2 | 38.6 | 49.1 | 55.0 | 67.4 | 79.4 | 78.7 | 77.6 | 74.2 | 57.3 | 41.3 | 35.6 | 57.5 |
| 1912 | 20.2 | 30.8 | 33.9 | 55.0 | 68.0 | 69.4 | 80.0 | 78.7 | 67.6 | 59.9 | 46.6 | 36.0 | 53.8 |
| 1913 | 30.9 | 26.2 | 40.2 | 57.2 | 66.3 | 74.0 | 81.2 | 85.2 | 70.6 | 55.6 | 52.2 | 37.0 | 56.4 |
| 1914 | 39.4 | 30.3 | 45.6 | 54.0 | 64.8 | 79.3 | 79.4 | 77.4 | 71.5 | 59.2 | 50.4 | 25.0 | 56.4 |
| 1915 | 30.1 | 38.6 | 34.4 | 60.0 | 61.0 | 69.2 | 74.4 | 69.4 | 69.4 | 59.8 | 50.0 | 35.7 | 54.3 |
| 1916 | 26.4 | 31.8 | 47.4 | 50.7 | 64.4 | 70.0 | 81.6 | 80.8 | 67.3 | 58.4 | 46.7 | 29.6 | 54.6 |
| 1917 | 33.2 | 31.4 | 45.4 | 51.4 | 57.2 | 72.5 | 80.6 | 72.8 | 68.2 | 51.3 | 48.2 | 26.0 | 53.2 |
| 1918 | 18.7 | 35.6 | 50.6 | 48.6 | 68.0 | 75.0 | .... | 81.7 | 64.4 | 61.6 | 45.4 | 35.4 | .... |
| 1919 | 33.6 | 34.8 | .... | 55.1 | 63.4 | 73.8 | 81.4 | 79.4 | 72.8 | 56.2 | 41.2 | 26.0 | .... |
| 1920 | 30.3 | 37.2 | .... | 50.6 | 64.8 | 73.4 | 77.2 | 72.8 | 70.2 | 60.8 | 41.3 | 36.4 | .... |
| 1921 | 38.0 | 40.6 | 51.7 | 56.3 | 66.4 | 75.7 | 80.6 | 78.2 | 75.6 | 60.2 | 45.0 | 34.8 | 58.6 |
| 1922 | 30.0 | 35.6 | 45.2 | 57.0 | 65.6 | 75.6 | 76.6 | 78.8 | 72.6 | 59.2 | 47.6 | 33.7 | 56.5 |
| 1923 | 39.9 | 32.0 | 43.4 | 55.4 | 63.0 | 74.9 | 79.2 | 80.0 | 72.2 | 53.8 | 46.0 | 38.9 | 56.6 |
| 1924 | 26.9 | 36.8 | 38.8 | 57.2 | 60.6 | 75.2 | 75.6 | 78.9 | 66.8 | 61.8 | 47.4 | 27.3 | 54.4 |
| 1925 | 22.8 | .... | 49.0 | 61.1 | 62.6 | 78.0 | 80.6 | 78.6 | 74.8 | .... | 43.8 | 33.3 | .... |
| 1926 | 33.4 | 40.2 | 42.4 | 49.8 | 68.4 | 74.2 | 79.6 | 79.9 | 69.9 | 58.0 | 40.7 | 33.7 | 55.8 |
| 1927 | 31.8 | 39.8 | 44.9 | 59.3 | 65.6 | 71.8 | 77.4 | 72.0 | 70.4 | 61.6 | 44.5 | 30.0 | 55.9 |
| 1928 | 34.4 | 39.1 | 49.1 | 53.1 | 66.7 | 69.0 | 78.1 | 78.7 | 68.6 | 62.4 | 45.1 | 37.9 | 57.0 |
| 1929 | 24.4 | 26.5 | 48.9 | 58.0 | 61.6 | 73.2 | 79.2 | 78.6 | 68.8 | 60.0 | 38.1 | 34.9 | 54.4 |
| 1930 | 17.4 | 48.4 | 43.4 | 61.4 | 64.4 | 73.2 | 83.4 | 81.4 | 73.1 | 55.8 | 46.0 | 35.0 | 56.9 |
| 1931 | 37.0 | 41.8 | 40.7 | 54.4 | 60.8 | 77.6 | 82.0 | 76.9 | 78.8 | 62.6 | 49.8 | 41.0 | 58.6 |
| 1932 | 32.4 | 43.6 | 37.0 | 58.4 | 65.0 | 75.1 | 80.6 | 79.2 | 69.0 | 56.2 | 40.2 | 29.4 | 55.5 |
| 1933 | 40.2 | 31.5 | 46.3 | 55.6 | 65.4 | 81.2 | 81.0 | 77.4 | 75.4 | 58.2 | 48.2 | 39.7 | 58.3 |
| 1934 | 36.3 | 35.8 | 42.8 | 58.0 | 69.1 | 82.8 | 88.9 | 87.0 | 67.4 | 63.0 | 48.0 | 32.6 | 60.1 |
| 1935 | 33.8 | 38.9 | 52.2 | 52.0 | 60.0 | 69.8 | 84.2 | 79.5 | 68.6 | 55.4 | 40.4 | 30.8 | 55.5 |
| 1936 | 24.0 ^b | 22.3 ^a | 49.6 | 54.5 | 68.2 | 77.9 | 87.4 | 87.7 | 74.2 | 56.0 | 42.0 | 38.5 ^b | 56.9 |
| 1937 | 22.0 | 31.0 | 38.8 | 54.2 ^b | 65.6 | 74.1 | 79.9 | 81.9 | 70.0 | 56.2 | 39.6 | 30.8 | 53.7 |
| 1938 | 33.8 | 36.8 | 51.8 | 54.8 | 62.8 ^a | 72.8 | 79.9 | 81.8 | 72.0 | 65.2 | 44.4 | 35.8 | 57.7 |
| 1939 | 39.1 | 31.4 | 47.5 | 54.4 | 68.6 | 75.4 | 84.8 | 78.2 | 77.0 | 63.4 | 44.6 | 39.9 | 58.7 |
| 1940 | 13.8 | 33.4 | 44.8 ^a | 54.6 | 64.8 | 74.2 | 80.8 | 77.6 | 70.2 | 65.7 | 41.0 | 37.1 | 54.8 |
| 1941 | 34.0 | 34.7 | 41.6 | 58.6 | 69.2 | 73.0 | 79.6 | 78.9 | 71.4 | 59.9 | 46.8 | 40.5 | 57.4 |
| 1942 | 32.6 | 34.2 | 46.4 | 60.9 | 63.9 | 73.3 | 79.8 | 76.3 | 67.5 | 59.3 | 46.8 | 32.4 | 56.1 |
| 1943 | 29.6 | 40.2 | 39.9 | 59.8 | 62.2 | 75.4 | 79.4 | 82.1 | 67.2 | 56.6 | 43.2 | 30.8 | 55.1 |
| 1944 | 36.2 | 38.4 | 41.2 | 50.8 | 68.7 | 76.0 | 77.0 | 77.4 | 69.5 | 59.8 | 48.0 | 30.2 | 56.1 |
| 1945 | 32.4 | 35.2 | 51.6 | 54.0 | 61.6 | 69.9 | 76.2 | 77.4 | 69.6 | 57.3 | 46.2 | 25.8 | 54.8 |
| 1946 | 35.0 | 43.0 | 55.2 | 60.6 | 61.5 | 75.2 | 81.0 | 78.0 | 68.4 | 60.6 | 45.4 | 38.9 | 58.6 |
| Normal | 30.7 | 34.0 | 45.2 | 55.3 | 64.6 | 74.0 | 79.5 | 78.4 | 70.4 | 58.9 | 45.1 | 33.8 | 55.8 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

FORT SCOTT, BOURBON COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1843 | 37.1 | 28.0 | 24.6 | 54.0 | 63.5 | 72.0 | 75.4 | 73.4 | 70.7 | 50.9 | 42.4 | 37.9 | 52.5 |
| 1844 | 30.6 | 36.7 | 45.3 | 63.3 | 64.4 | 72.1 | 80.3 | 74.2 | 62.8 | 51.8 | 42.0 | 35.2 | 54.9 |
| 1845 | 39.9 | 42.7 | 45.8 | 62.5 | 65.0 | 72.2 | 78.3 | 76.0 | 69.2 | 52.2 | 39.6 | 25.4 | 55.7 |
| 1846 | 37.3 | 29.9 | 46.0 | 57.3 | 69.0 | 69.3 | 78.4 | 75.8 | 70.1 | 54.8 | 44.9 | 37.3 | 55.8 |
| 1847 | 22.7 | 33.3 | 37.2 | 57.9 | 61.6 | 70.9 | 76.1 | 72.2 | 67.4 | 56.3 | 41.4 | 33.9 | 52.6 |
| 1848 | 37.4 | 39.7 | 45.2 | 53.8 | 68.5 | 72.7 | 74.9 | 76.1 | 64.8 | 56.4 | 35.3 | 22.0 | 53.9 |
| 1849 | 22.9 | 30.1 | 49.0 | 53.2 | 63.5 | 73.6 | 75.1 | 74.6 | 68.8 | 52.6 | 50.1 | 29.4 | 53.6 |
| 1850 | 34.7 | 35.6 | 42.3 | 48.5 | 61.9 | 73.5 | 79.3 | 81.2 | 71.6 | 58.2 | 46.1 | 27.4 | 55.0 |
| 1851 | 33.7 | 36.3 | 48.1 | 53.5 | 69.5 | 73.4 | 78.2 | 76.6 | 73.6 | 58.1 | 59.0 | 31.3 | 57.6 |
| 1852 | 28.4 | 39.1 | 47.8 | 53.3 | 67.6 | 71.5 | 76.0 | 75.1 | 67.2 | 61.4 | 38.4 | 31.2 | 54.8 |
| 1853 | 35.2 | 33.3 | 43.0 | 63.3 | 64.9 | 76.2 | .... | .... | .... | .... | .... | .... | .... |
| | | | | | | | | | | | | | |
| 1880 | .... | .... | .... | .... | .... | .... | .... | 77.3 | 66.4 | 55.5 | 35.6 | 31.0 | .... |
| 1881 | 17.2 | 30.6 | 39.9 | 53.8 | 68.4 | 77.4 | 85.0 | 85.3 | 74.1 | 64.3 | 39.8 | 40.3 | 56.3 |
| 1882 | 34.6 | 45.5 | .... | .... | .... | .... | .... | 73.9 | 70.9 | 61.2 | 43.2 | 34.9 | .... |
| 1883 | 23.6 | 31.5 | 40.6 | 57.0 | 63.2 | 74.1 | 78.5 | 73.3 | 67.3 | 56.3 | 46.7 | 37.9 | 54.2 |
| 1884 | 22.2 | 32.2 | 42.4 | 50.2 | 65.1 | 76.0 | 83.9 | 74.4 | 73.4 | 60.4 | .... | 25.1 | .... |
| 1885 | 24.4 | 26.5 | 43.0 | 57.3 | 65.0 | .... | .... | .... | .... | 56.0 | 45.6 | 37.2 | .... |
| 1886 | 21.2 | 34.4 | 44.8 | 56.8 | 72.0 | 75.5 | .... | .... | .... | .... | .... | .... | .... |
| | | | | | | | | | | | | | |
| 1896 | .... | .... | .... | .... | .... | 73.2 | 78.0 | 78.6 | 66.4 | 55.2 | 43.1 | 38.1 | .... |
| 1897 | 29.4 | 35.0 | 45.3 | 55.4 | 64.0 | 73.8 | 80.2 | 76.8 | 76.0 | 65.4 | 45.6 | 30.6 | 56.5 |
| 1898 | 36.4 | 37.7 | 41.6 | 53.2 | 67.6 | 75.8 | 78.4 | 77.4 | 72.8 | 55.0 | 46.8 | 28.0 | 55.5 |
| 1899 | 32.0 | 21.4 | 38.7 | 54.2 | 69.4 | 76.4 | 78.4 | 84.0 | .... | .... | .... | .... | .... |
| 1900 | .... | .... | .... | .... | .... | .... | .... | 81.8 | 73.8 | .... | .... | .... | .... |
| 1901 | .... | .... | .... | .... | .... | .... | .... | .... | 70.4 | 63.4 | 46.8 | 31.6 | .... |
| 1902 | 31.0 | 24.0 | 46.2 | 55.1 | 71.5 | 72.8 | 78.5 | 78.8 | 63.9 | 60.4 | 50.8 | 32.8 | 55.5 |
| 1903 | 34.0 | 32.8 | 48.2 | 56.9 | 64.0 | 68.0 | 79.4 | 76.0 | 67.6 | 58.5 | 43.2 | 33.8 | 55.2 |
| 1904 | 33.1 | 36.8 | 49.6 | 50.4 | 63.7 | 71.8 | 76.1 | 75.1 | 70.8 | 59.5 | 48.5 | 34.4 | 55.8 |
| 1905 | 23.8 | 23.2 | 57.6 | 55.6 | 65.0 | 76.5 | 74.8 | 78.4 | 70.8 | .... | .... | .... | .... |
| 1906 | 36.6 | 38.4 | 36.5 | 61.1 | 67.0 | 73.8 | 75.4 | 77.1 | 73.2 | 59.0 | 43.9 | 40.6 | 56.9 |
| 1907 | 36.8 | 37.3 | 57.2 | 49.8 | 57.6 | 71.4 | 78.2 | 78.8 | 69.2 | 57.7 | 44.0 | 38.2 | 56.4 |
| 1908 | 35.6 | 38.2 | 50.9 | 54.2 | 66.5 | 72.2 | 75.5 | 76.7 | 70.0 | 56.1 | 47.4 | 38.6 | 56.8 |
| 1909 | 33.8 | 38.3 | 43.6 | 54.0 | 62.4 | 74.0 | 77.2 | 78.6 | 69.6 | 57.2 | 52.2 | 24.0 | 55.4 |
| 1910 | 33.8 | 30.5 | 58.8 | 56.2 | 61.7 | 71.5 | 79.5 | 77.3 | 70.6 | 61.2 | 45.9 | 33.4 | 56.7 |
| 1911 | 36.3 | 39.9 | 48.0 | 53.9 | 68.4 | 81.1 | 78.5 | 76.7 | 75.2 | 58.4 | 40.5 | 38.4 | 57.9 |
| 1912 | 23.0 | 30.8 | 35.9 | 55.0 | 68.9 | 69.8 | 80.5 | 79.6 | 68.8 | 60.0 | 46.8 | 37.0 | 54.7 |
| 1913 | 34.0 | 30.4 | 43.9 | 57.8 | 66.4 | 76.4 | 82.4 | 83.6 | 69.2 | 56.4 | 53.6 | 39.4 | 57.8 |
| 1914 | 38.8 | 31.3 | 47.2 | 55.2 | 65.4 | 80.2 | 80.4 | 78.0 | 70.8 | 61.0 | 50.5 | 28.3 | 57.3 |
| 1915 | 31.4 | 40.9 | 35.8 | 60.9 | 62.2 | 71.0 | 75.4 | 70.4 | 71.0 | 61.6 | 51.8 | 37.4 | 55.8 |
| 1916 | 31.2 | 34.2 | 48.8 | 51.2 | 65.0 | 71.4 | 81.8 | 81.2 | 68.5 | 61.6 | 47.2 | 32.4 | 56.2 |
| 1917 | 35.5 | 33.3 | 47.8 | 53.6 | 59.2 | 73.1 | 80.9 | 74.3 | 69.2 | 53.0 | 48.2 | 27.5 | 54.6 |
| 1918 | 19.8 | 36.3 | 52.2 | 51.2 | 68.6 | 80.4 | 79.4 | 85.2 | 64.5 | 62.5 | 46.2 | 39.8 | 57.2 |
| 1919 | 35.2 | 37.1 | 49.5 | 56.5 | 63.2 | 74.8 | 80.0 | 78.2 | 73.7 | 59.1 | 44.4 | 29.6 | 56.8 |
| 1920 | 30.0 | 36.3 | 47.9 | 52.9 | 66.6 | 73.3 | 77.6 | 73.4 | 71.4 | 61.6 | 42.2 | 37.8 | 55.9 |
| 1921 | 39.9 | 42.7 | 53.2 | 56.0 | 67.3 | 76.6 | 80.0 | 78.6 | 75.6 | 59.4 | 46.7 | 38.6 | 59.6 |
| 1922 | 30.4 | 37.8 | 45.9 | 57.8 | 67.7 | 77.4 | 77.2 | 80.1 | 73.3 | 60.6 | 49.0 | 38.2 | 58.0 |
| 1923 | 43.0 | 32.4 | 42.9 | 57.0 | 64.4 | 75.6 | 79.8 | 82.0 | 71.6 | 55.4 | 48.3 | 40.8 | 57.8 |
| 1924 | 28.6 | 37.0 | 40.1 | 58.4 | 60.6 | 75.6 | 75.4 | 79.0 | 66.4 | 63.2 | 49.6 | 29.5 | 55.3 |
| 1925 | 29.9 | 41.8 | 51.0 | 62.5 | 63.8 | 78.8 | 81.2 | 79.8 | 76.4 | 51.0 | 45.2 | 34.8 | 58.0 |
| 1926 | 35.0 | 43.0 | 42.8 | 51.4 | 69.2 | 72.4 | 79.2 | 79.8 | 71.3 | 59.5 | 42.2 | 36.2 | 56.8 |
| 1927 | 33.6 | 43.2 | 48.0 | 61.7 | 67.4 | 72.6 | 77.6 | 72.6 | 72.2 | 62.6 | 49.0 | 32.0 | 57.7 |
| 1928 | 35.5 | 40.4 | 51.0 | 54.4 | 67.6 | 69.8 | 79.5 | 79.3 | 68.2 | 63.8 | 46.6 | 39.0 | 57.9 |
| 1929 | 28.7 | 28.4 | 50.9 | 59.4 | 63.2 | 73.6 | 79.8 | 80.6 | 71.8 | 60.8 | 41.0 | 38.1 | 56.4 |
| 1930 | 21.1 | 48.1 | 47.0 | 62.0 | 65.0 | 73.4 | 82.7 | 81.8 | 74.0 | 56.7 | 47.8 | 37.1 | 58.1 |
| 1931 | 37.9 | 44.0 | 41.9 | 55.8 | 61.9 | 78.4 | 82.6 | 77.2 | 80.2 | 65.0 | 53.4 | 44.0 | 60.2 |
| 1932 | 37.6 | 45.6 | 41.4 | 59.8 | 66.5 | 76.1 | 81.8 | 80.3 | 71.2 | 57.8 | 41.3 | 33.7 | 57.8 |
| 1933 | 44.0 | 34.5 | 47.0 | 56.8 | 67.6 | 80.3 | 81.0 | 76.9 | 75.1 | 58.5 | 49.4 | 43.4 | 59.5 |
| 1934 | 39.0 | 37.4 | 44.8 | 58.4 | 68.8 | 82.6 | 87.4 | 85.7 | 68.3 | 63.8 | 50.4 | 35.2 | 60.2 |
| 1935 | 35.8 | 39.9 | 53.2 | 54.0 | 61.6 | 71.4 | 84.9 | 80.9 | 69.9 | 58.0 | 44.4 | 34.8 | 57.4 |
| 1936 | 28.6 | 26.8 | 51.4 | 57.2 | 70.0 | 78.6 | 87.4 | 88.0 | 76.3 | 57.7 | 44.6 | 42.0 | 59.0 |
| 1937 | 27.4 | 35.3 | 41.6 | 56.4 | 66.0 | 75.2 | 80.6 | 83.0 | 71.8 | 58.6 | 42.0 | 33.5 | 56.0 |
| 1938 | 36.3 | 42.9 | 55.8 | 59.2 | 66.6 | 74.5 | 81.6 | 85.0 | 73.9 | 67.5 | 47.2 | 38.6 | 60.8 |
| 1939 | 41.3 | 35.4 | 50.2 | 56.3 | 69.0 | 76.6 | 84.4 | 79.1 | 79.2 | 64.3 | 44.8 | 41.3 | 60.2 |
| 1940 | 17.0 | 36.0 | 46.4 | 56.1 | 65.4 | 75.0 | 80.2 | 77.3 | 70.4 | 66.0 | 44.4 | 40.2 | 56.2 |
| 1941 | 36.4 | 36.8 | 42.6 | 61.4 | 71.3 | 75.0 | 82.9 | 80.6 | 72.3 | 63.2 | 47.5 | 42.5 | 59.4 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

FORT SCOTT, BOURBON COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1942 | 34.4 | 35.7 | 48.4 | 61.8 | 65.7 | 74.8 | 80.6 | 77.8 | 69.6 | 60.1 | 50.6 | 36.7 | 58.0 |
| 1943 | 32.4 | 43.2 | 42.1 | 59.8 | 64.4 | 77.2 | 82.1 | 83.8 | 69.1 | 58.2 | 46.0 | 33.8 | 57.7 |
| 1944 | 37.8 | 41.2 | 44.6 | 54.2 | 70.2 | 77.5 | 78.8 | 78.0 | 71.2 | 62.1 | 50.1 | 32.2 | 58.2 |
| 1945 | 33.6 | 37.4 | 53.6 | 56.5 | 62.2 | 71.4 | 77.0 | 78.6 | 71.8 | 59.6 | 49.2 | 29.6 | 56.7 |
| 1946 | 36.5 | 44.4 | 57.2 | 62.3 | 63.2 | 75.9 | 84.0 | 80.4 | 72.2 | 64.8 | 47.4 | 42.9 | 60.9 |
| Normal | 33.1 | 36.1 | 47.1 | 56.3 | 65.7 | 74.9 | 79.9 | 79.2 | 71.5 | 59.9 | 46.8 | 36.0 | 57.2 |

HORTON, BROWN COUNTY

| | | | | | | | | | | | | | |
|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------|------|-------------------|-------------------|-------------------|------|
| 1889 | .... | .... | .... | 54.6 | 64.7 | .... | 72.1 | 73.2 | 64.4 | 52.6 | .... | .... | .... |
| 1890 | 23.6 | 30.4 | 37.8 | 57.9 | 64.6 | 76.6 | 85.9 | 75.1 | 63.6 | 54.8 | 43.6 | 36.5 | 54.2 |
| 1891 | 31.1 | 27.7 | 34.6 | 56.4 | 60.9 | 70.6 | 72.2 | 73.0 | 69.8 | 55.6 | 38.9 | 35.9 | 52.2 |
| 1892 | 22.3 | 33.4 | 38.2 | 51.2 | 57.1 | 73.7 | 76.2 | 75.1 | 69.1 | 58.4 | 39.8 | 24.7 | 51.6 |
| 1893 | 20.4 | 26.4 | 38.8 | 53.6 | 61.2 | 73.0 | 77.2 | 71.8 | 69.8 | 56.8 | 40.1 | 33.1 | 51.8 |
| 1894 | 26.8 | 25.8 | 45.8 | 56.6 | 64.6 | 74.1 | 76.8 | 79.1 | 68.8 | 57.0 | 40.0 | 35.6 | 54.2 |
| 1895 | 22.3 | 24.3 | 40.8 | 59.1 | 66.0 | 72.2 | 75.0 | 74.7 | 71.2 | 51.8 | 40.5 | 30.6 | 52.4 |
| 1896 | 30.4 | 35.2 | 37.0 | 60.7 | 68.0 | 72.6 | 77.0 | 75.5 | 63.6 | 53.7 | 36.6 | 38.5 | 54.1 |
| 1897 | 25.8 | 31.0 | 40.4 | 52.9 | 63.4 | 74.6 | 79.2 | 73.0 | 74.8 | 61.6 | 40.8 | 25.4 | 53.6 |
| 1898 | 30.2 | 32.8 | 42.4 | 52.2 | 62.4 | 74.7 | 76.3 | 77.7 | 69.4 | 51.7 | 37.7 | 24.8 | 52.7 |
| 1899 | 28.2 | 17.6 | 32.4 | 52.4 | 66.2 | 73.6 | 75.3 | 77.6 | 66.9 | 62.8 | 47.9 | 28.2 | 52.4 |
| 1900 | 32.8 | 22.8 | 38.6 | 56.4 | 65.6 | 73.2 | 76.1 | 78.0 | 68.8 | 61.6 | 39.0 | 33.4 | 53.9 |
| 1901 | 30.4 | 24.6 | 40.0 | 52.2 | 62.4 | 77.5 | 87.8 | 77.8 | 67.8 | 59.6 | 42.0 | 26.6 | 54.1 |
| 1902 | 28.6 | 21.2 | 44.0 | 52.3 | 67.8 | 68.4 | 75.6 | 76.0 | 62.4 | 58.8 | 45.3 | 25.5 | 52.2 |
| 1903 | 29.2 | 25.4 | 39.4 | 54.5 | 63.2 | 67.4 | 78.4 | 73.0 | 64.8 | 56.0 | 39.7 | 29.0 | 51.7 |
| 1904 | 24.4 | 26.2 | 40.8 | 47.8 | 61.2 | 69.2 | 73.6 | 73.2 | 69.4 | 58.0 | 46.0 | 30.1 | 51.7 |
| 1905 | 18.4 | 18.6 | 49.0 | 52.8 | 62.0 | 73.5 | 72.6 | 75.5 | 69.4 | 53.0 | 44.2 | 31.7 | 51.9 |
| 1906 | 32.0 | 33.1 | 30.2 | 56.6 | 64.5 | 72.6 | 74.1 | 76.4 | 70.2 | 54.7 | 39.9 | 33.2 | 53.1 |
| 1907 | 26.6 | 30.6 | 49.0 | 45.6 | 58.0 | 71.0 | 77.4 | 76.2 | 67.3 | 56.3 | 42.0 | 33.6 | 52.8 |
| 1908 | 32.6 | 32.0 | 45.8 | 54.8 | 61.7 | 70.0 | 74.5 | 73.6 | 70.4 | 54.2 | 43.0 | 34.0 | 53.9 |
| 1909 | 26.9 | 33.9 | 38.6 | 48.5 | 60.3 | 70.8 | 75.8 | 78.0 | 67.2 | 55.5 | 47.8 | 19.0 | 51.9 |
| 1910 | 25.6 | 25.4 | 54.9 | 56.6 | 57.8 | 70.1 | 77.2 | 74.2 | 68.0 | 59.4 | 41.6 | 29.4 | 53.4 |
| 1911 | 29.4 | 34.2 | 43.3 | 51.4 | 65.0 | 77.6 | 78.3 | 75.6 | 71.2 | 53.3 | 36.8 | 32.0 | 54.0 |
| 1912 | 14.8 | 26.4 | 30.0 | 52.5 | 66.2 | 68.0 | 78.1 | 75.6 | 64.5 | 56.9 | 45.0 | 34.0 | 51.0 |
| 1913 | 26.6 | 25.2 | 36.8 | 54.5 | 63.2 | 72.8 | 80.6 | 84.4 | 68.0 | 53.4 | 49.3 | 35.8 | 54.2 |
| 1914 | 34.2 | 25.2 | 40.2 | 52.2 | 64.2 | 76.0 | 79.0 | 77.7 | 68.9 | 58.3 | 47.8 | 20.4 | 53.7 |
| 1915 | 24.8 | 34.8 | 32.7 | 59.0 | 59.6 | 67.8 | 71.8 | 68.2 | 67.7 | 58.6 | 46.6 | 31.7 | 51.9 |
| 1916 | 22.2 | 26.8 | 44.4 | 49.0 | 61.2 | 67.6 | 80.6 | 76.9 | 65.2 | 56.7 | 43.4 | 26.0 | 51.7 |
| 1917 | 28.2 | 27.0 | 42.4 | 49.5 | 56.1 | 69.9 | 76.5 ^a | 70.2 | 65.0 | 48.4 | 47.2 ^f | 21.6 | 50.2 |
| 1918 | 16.6 | 31.4 | 48.6 | 46.3 | 66.6 | 77.0 | 75.6 | 81.2 | 60.6 | 59.7 | 41.7 | 36.0 | 53.4 |
| 1919 | 29.8 | 31.4 | 42.4 | 51.0 | 60.4 | 72.2 | 79.4 | 75.0 | 70.4 | 53.9 | 39.0 | 22.0 | 52.2 |
| 1920 | 27.0 ^a | 32.2 | 42.8 | 46.3 | 61.2 | 72.0 | 74.8 | 72.0 | 68.1 | 59.7 | 38.2 | 32.0 | 52.2 |
| 1921 | 33.0 | 37.4 | 48.3 | 56.0 | 64.4 ^a | 74.6 | 77.8 | 76.7 | 71.8 | 58.4 | 40.8 | 32.8 | 56.0 |
| 1922 | 26.3 | 31.0 | 41.8 | 53.4 | 63.9 | 74.1 | 74.8 | 78.0 | 71.7 | 59.3 | 44.6 | 31.1 | 54.2 |
| 1923 | 35.9 ^a | 28.2 | 37.5 | 52.5 | 61.0 | 72.2 | 77.4 | 75.6 | 68.6 | 52.0 | 43.4 | 35.8 | 53.4 |
| 1924 | 21.0 | 32.2 | 35.2 ^a | 54.3 | 58.1 | 71.3 | 73.8 | 76.8 | 63.2 | 60.6 | 43.7 | 22.9 | 51.1 |
| 1925 | 25.0 | 35.8 | 45.7 | 59.6 | 60.8 | 74.2 | 76.2 | 75.2 | 72.0 | 46.0 | 40.8 | 30.2 | 53.5 |
| 1926 | 29.6 | 37.2 | 38.8 | 48.7 | 67.2 | 72.1 | 78.2 | 78.6 | 66.6 | 55.8 | 38.0 | 29.6 | 53.4 |
| 1927 | 28.4 | 36.6 | 41.8 | 55.0 | 62.8 ^a | 69.8 | 75.6 | 70.0 | 69.1 | 59.9 | 43.0 | 25.0 | 53.1 |
| 1928 | 31.6 | 35.4 | 45.4 | 49.6 | 65.7 | 67.3 | 76.4 | 75.6 | 65.1 | 58.8 | 42.8 | 34.4 | 54.0 |
| 1929 | 19.0 | 21.6 | 45.2 | 56.1 | 60.3 | 69.7 | 77.3 | 77.6 | 66.0 | 56.3 | 36.5 | 31.7 | 51.4 |
| 1930 | 15.1 ^a | 44.0 | 42.4 | 58.2 | 62.6 | 71.5 | 81.5 | 79.0 | 71.2 | 54.8 | 45.8 | 32.0 | 54.8 |
| 1931 | 35.5 | 39.5 ^b | 38.0 | 53.8 | 60.4 | 77.2 ^a | 79.4 | 73.8 | 74.8 | 59.0 ^b | 48.0 | .... | .... |
| 1932 | 27.8 ^c | 38.4 | 34.0 | 55.8 | 65.0 | 73.8 | 79.0 | 77.0 | 66.8 | 54.6 ^b | 37.8 | 26.4 | 53.0 |
| 1933 | 38.2 | 29.8 | 42.8 | 53.2 | 62.9 | 80.1 | 78.6 | 75.1 | 73.2 | 55.9 | 45.6 | 35.0 ^o | 55.9 |
| 1934 | 33.6 | 32.2 | 41.2 | 56.3 ^a | 70.0 | 80.8 | 88.2 | 82.0 | 64.6 | 61.6 | 45.7 | 29.8 | 57.2 |
| 1935 | 29.6 | 35.0 | 49.2 | 50.8 | 57.3 | 68.2 | 83.3 ^b | 77.4 | 67.4 | 54.4 | 39.5 | 30.6 | 54.4 |
| 1936 | 16.1 ^a | 14.4 | 46.4 | 51.2 | 67.0 | 75.4 | 85.8 | 84.2 | 71.2 | 55.0 | 40.6 | 35.4 | 53.6 |
| 1937 | 19.5 | 27.2 | 37.9 | 53.4 | 65.8 | 73.7 | 80.0 | 81.8 | 70.4 | 52.2 | 37.9 | 28.6 | 52.6 |
| 1938 | 30.8 | 36.4 | 50.7 | 54.3 | 63.1 | 72.8 | 79.4 | 79.8 | 70.9 | 63.0 | 41.4 | 33.6 | 56.4 |
| 1939 | 35.4 | 27.4 | 42.4 | 52.8 | 68.2 | 74.6 | 81.4 | 75.5 | 73.5 | 59.0 | 42.0 | 36.8 | 55.8 |
| 1940 | 11.2 | 28.9 | 41.2 | 52.8 | 62.6 | 72.6 | 79.6 | 74.4 | 67.8 | 62.2 | 38.3 | 32.8 | 52.0 |
| 1941 | 29.7 | 30.0 | 38.8 | 56.8 | 67.6 | 71.6 | 78.2 | 77.5 | 70.2 | 57.4 | 42.4 | 36.6 | 54.7 |
| 1942 | 27.0 | 29.9 | 42.2 | 57.1 | 61.2 | 72.0 | 78.2 | 74.6 | 65.4 | 56.4 | 44.4 | 28.0 | 52.6 |
| 1943 | 24.8 | 35.8 | 37.2 | 56.2 | 60.6 | 74.8 | 78.6 | 79.6 | 64.3 | 54.6 | 38.4 | 26.8 | 52.6 |
| 1944 | 33.0 | 33.8 | 36.8 | 48.3 | 67.6 | 74.7 | 75.8 | 75.3 | 67.8 | 57.2 | 44.7 | 26.0 | 53.4 |
| 1945 | 28.6 | 32.2 | 49.4 | 51.8 | 59.2 | 67.4 | 75.2 | 77.0 | 68.3 | 54.9 | 43.6 | 22.8 | 52.5 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

HORTON, BROWN COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1946 | 29.9 | 39.2 | 53.0 | 57.8 | 59.4 | 74.4 | 77.5 | 73.9 | 66.0 | 57.8 | 42.6 | 35.2 | 55.6 |
| Normal | 27.1 | 29.9 | 41.7 | 53.0 | 63.0 | 72.5 | 78.0 | 76.5 | 68.3 | 56.8 | 42.5 | 30.2 | 53.3 |

DEPENDENCE, MONTGOMERY COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1876 | 38.6 | 43.1 | 40.4 | 60.8 | 67.0 | 71.8 | 82.1 | 82.5 | 72.4 | 56.9 | 41.7 | 27.8 | 57.1 |
| 1877 | 29.2 | 43.0 | 45.6 | 57.3 | 66.4 | 76.2 | 80.0 | 80.3 | 73.6 | 60.9 | 45.3 | 47.6 | 58.8 |
| 1878 | 37.9 | 42.9 | 54.8 | 62.7 | 68.0 | 76.6 | 84.1 | 84.2 | 72.8 | 60.5 | 51.5 | 26.4 | 60.2 |
| 1879 | 27.9 | 35.9 | 53.1 | 60.8 | 71.2 | 79.6 | 85.6 | 80.1 | 72.8 | 65.0 | 50.0 | 32.4 | 59.5 |
| 1880 | 46.4 | 43.2 | 47.6 | 63.3 | 74.2 | 75.1 | 79.9 | 80.8 | 70.7 | 58.9 | 33.4 | 30.4 | 58.7 |

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1881 | 23.2 | 32.2 | 42.9 | 59.4 | 72.3 | 80.4 | 83.6 | 87.7 | 77.1 | 63.9 | 45.1 | 42.8 | 59.2 |
| 1882 | 35.7 | 46.0 | 51.7 | 60.9 | 64.2 | 77.5 | 77.4 | 78.2 | 73.2 | 64.6 | 48.4 | 36.7 | 59.5 |
| 1883 | 25.7 | 31.9 | 42.3 | 58.5 | 62.9 | 72.2 | 76.7 | 73.8 | 67.7 | 56.5 | 46.3 | 37.7 | 54.4 |
| 1884 | 21.9 | 31.9 | 45.5 | 52.7 | 64.2 | 74.2 | 79.2 | 74.0 | 74.5 | 61.9 | 46.7 | 26.0 | 54.4 |
| 1885 | 20.6 | 25.7 | 44.2 | 57.0 | 63.8 | 73.8 | 79.6 | 75.9 | 68.9 | 55.3 | 48.6 | 37.1 | 54.2 |
| 1886 | 18.8 | 33.8 | 43.6 | 56.6 | 72.7 | 74.0 | 82.0 | 80.6 | 73.0 | 61.1 | 45.6 | 29.4 | 55.9 |
| 1887 | 27.5 | 35.6 | 48.8 | 60.4 | 70.1 | 76.0 | 82.1 | 77.9 | 71.7 | 55.7 | 46.3 | 30.4 | 57.0 |
| 1888 | 24.5 | 37.0 | 43.4 | 60.2 | 65.5 | 75.2 | 82.0 | 77.9 | 70.4 | 58.5 | 45.6 | 38.6 | 56.6 |
| 1889 | 34.7 | 32.0 | 46.9 | 59.3 | 66.0 | 72.2 | 79.2 | 77.4 | 67.7 | 58.5 | 41.1 | 50.1 | 57.2 |
| 1890 | 35.1 | 37.6 | 43.7 | 58.5 | 65.1 | 78.1 | 82.6 | 78.5 | 67.8 | 58.3 | 47.5 | 38.6 | 57.6 |

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1891 | 35.7 | 35.0 | 40.3 | 61.1 | 64.8 | 74.8 | 76.2 | 78.3 | 74.1 | 59.2 | 44.1 | 41.7 | 57.1 |
| 1892 | 28.3 | 41.1 | 42.2 | 56.6 | 65.0 | 76.9 | 79.7 | 80.0 | 70.1 | 60.6 | 43.6 | 32.3 | 58.8 |
| 1893 | 30.1 | 32.8 | 46.1 | 59.9 | 65.0 | 75.8 | 82.8 | 78.5 | 75.4 | 61.8 | 43.9 | 39.9 | 57.7 |
| 1894 | 32.3 | 29.7 | 49.3 | 59.8 | 66.6 | 76.4 | 79.0 | 79.9 | 70.2 | 59.8 | 45.4 | 37.4 | 57.2 |
| 1895 | 28.0 | 26.6 | 45.4 | 60.6 | 67.4 | 75.6 | 78.7 | 78.6 | 75.0 | 55.2 | 45.0 | 33.5 | 55.8 |
| 1896 | 34.7 | 39.4 | 43.1 | 65.0 | 73.4 | 75.8 | 81.4 | 82.8 | 70.0 | 57.7 | 43.9 | 41.6 | 59.1 |
| 1897 | 31.3 | 37.4 | 48.2 | 57.9 | 66.7 | 78.6 | 82.1 | 79.1 | 77.2 | 66.2 | 46.2 | 32.8 | 58.5 |
| 1898 | 37.3 | 40.0 | 46.6 | 56.2 | 68.6 | 78.8 | 80.2 | 78.6 | 73.6 | 57.4 | 43.6 | 31.4 | 57.1 |
| 1899 | 33.0 | 23.8 | 41.8 | 56.2 | 70.3 | 76.3 | 79.5 | 82.5 | 70.5 | 65.6 | 51.4 | 34.0 | 57.7 |
| 1900 | 38.4 | 31.0 | 45.7 | 60.4 | 68.9 | 77.2 | 79.1 | 84.3 | 74.6 | 63.8 | 46.6 | 38.5 | 59.0 |

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1901 | 37.2 | 34.2 | 45.8 | 55.9 | 66.5 | 80.1 | 88.0 | 82.0 | 73.2 | 63.9 | 48.4 | 32.4 | 59.0 |
| 1902 | 32.8 | 28.7 | 48.8 | 57.8 | 72.2 | 75.2 | 80.9 | 81.0 | 65.4 | 61.9 | 52.0 | 33.4 | 57.5 |
| 1903 | 35.0 | 31.5 | 48.2 | 58.0 | 65.8 | 71.2 | 81.1 | 78.4 | 70.4 | 59.7 | 43.7 | 36.2 | 56.6 |
| 1904 | 32.9 | 39.4 | 52.0 | 54.2 | 65.6 | 74.2 | 79.0 | 78.0 | 73.3 | 61.4 | 49.2 | 35.6 | 57.9 |
| 1905 | 25.3 | 24.0 | 54.4 | 59.0 | 67.9 | 79.8 | 78.4 | 82.2 | 74.4 | 58.0 | 49.5 | 35.5 | 57.4 |
| 1906 | 37.8 | 37.4 | 37.6 | 63.6 | 69.5 | 75.2 | 76.9 | 78.8 | 75.2 | 57.6 | 45.4 | 40.7 | 58.0 |
| 1907 | 38.8 | 39.0 | 58.0 | 53.0 | 61.4 | 75.2 | .... | 81.2 | 72.4 | 60.0 | 46.2 | 39.8 | .... |
| 1908 | 38.4 | 40.6 | 52.6 | 57.8 | 66.8 | 73.9 | 76.4 | 79.6 | 71.2 | 58.1 | 48.8 | 40.2 | 58.7 |
| 1909 | 35.0 | 40.9 | 46.2 | 57.0 | 64.7 | 74.7 | 80.4 | 82.6 | 74.1 | 61.0 | 54.8 | 29.4 | 58.4 |
| 1910 | 37.6 | 33.1 | 59.5 | 59.2 | 63.0 | 73.3 | 81.1 | 79.2 | 74.1 | 62.8 | 48.4 | 35.6 | 58.9 |

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1911 | 38.4 | 42.1 | 52.0 | 57.2 | 70.0 | 83.0 | 80.1 | 76.9 | 77.8 | 61.0 | 43.0 | 38.7 | 60.0 |
| 1912 | 26.1 | 33.4 | 38.7 | 57.9 | 68.8 | 71.0 | 81.5 | 80.2 | 70.5 | 61.4 | 47.8 | 38.4 | 56.3 |
| 1913 | 35.2 | 30.8 | 43.5 | 60.6 | 68.2 | 75.4 | 82.9 | 85.0 | 70.8 | 57.4 | 39.2 | 58.7 | 58.7 |
| 1914 | 41.4 | 35.2 | 47.8 | 57.3 | 66.2 | 81.5 | 81.9 | 79.9 | 73.8 | 60.9 | 51.5 | 30.3 | 59.0 |
| 1915 | 34.2 | 42.0 | 37.0 | 62.0 | 64.2 | 72.2 | 76.0 | 82.0 | 72.6 | 61.2 | 52.4 | 40.8 | 57.2 |
| 1916 | 32.6 | 35.2 | 51.2 | 54.0 | 67.6 | 73.0 | 81.6 | 72.7 | 71.2 | 61.4 | 49.0 | 35.2 | 57.9 |
| 1917 | 37.1 | 35.2 | 50.0 | 56.7 | 60.8 | 74.1 | 82.2 | 76.2 | 70.8 | 53.6 | 49.4 | 28.8 | 58.2 |
| 1918 | 19.9 | 38.8 | 53.8 | 53.4 | 70.0 | 80.4 | 79.6 | 85.6 | 66.1 | 63.6 | 47.2 | 39.5 | 56.2 |
| 1919 | 35.2 | 38.2 | 49.2 | 57.6 | 64.4 | 74.7 | 79.6 | 79.7 | 72.9 | 59.8 | 45.0 | 32.4 | 57.4 |
| 1920 | 31.6 | 39.8 | 49.0 | 54.5 | 68.0 | 72.4 | 78.0 | 75.0 | 72.4 | 62.7 | 43.6 | 39.4 | 57.2 |

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1921 | 41.0 | 43.4 | 54.6 | 57.6 | 68.4 | 76.4 | 79.8 | 80.0 | 77.4 | 61.4 | 48.4 | 39.6 | 60.7 |
| 1922 | 32.2 | 40.5 | 47.6 | 58.6 | 67.6 | 76.2 | 78.0 | 78.8 | 73.0 | 60.5 | 49.2 | 40.0 | 58.5 |
| 1923 | 43.5 | 35.0 | 45.3 | 58.0 | 64.0 | 75.2 | 80.0 | 83.0 | 82.2 | 56.2 | 48.1 | 41.0 | 58.5 |
| 1924 | 29.6 | 38.6 | 40.4 | 57.8 | 60.3 | 76.5 | 75.2 | 79.3 | 67.0 | 62.9 | 49.1 | 30.7 | 55.6 |
| 1925 | 31.2 | 42.8 | 52.9 | 63.1 | 63.2 | 78.4 | 79.9 | 79.1 | 75.6 | 52.0 | 45.6 | 35.0 | 58.2 |
| 1926 | 36.8 | 44.8 | 44.1 | 52.3 | 67.8 | 73.3 | 78.4 | 79.7 | 71.1 | 60.8 | 43.8 | 37.2 | 57.5 |
| 1927 | 35.2 | 43.6 | 48.2 | 61.5 | 66.8 | 72.8 | 77.3 | 73.2 | 70.8 | 63.0 | 50.2 | 32.8 | 58.0 |
| 1928 | 37.2 | 41.4 | 50.2 | 54.4 | 67.3 | 70.3 | 78.2 | 79.0 | 69.6 | 64.6 | 46.8 | 40.2 | 58.3 |
| 1929 | 31.4 | 30.0 | 51.0 | 60.5 | 65.6 | 74.1 | 78.7 | 79.0 | 70.8 | 61.3 | 40.9 | 39.2 | 56.7 |
| 1930 | 20.5 | 48.3 | 47.0 | 62.5 | 63.3 | 73.6 | 81.0 | 81.1 | 74.1 | 57.8 | 48.4 | 38.0 | 58.1 |

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1931 | 39.4 | 45.4 | 43.4 | 55.4 | 63.2 | 77.8 | 80.8 | 76.6 | 80.0 | 66.8 | 54.0 | 44.6 | 60.6 |
| 1932 | 38.9 | 47.4 | 42.2 | 62.0 | 64.8 | 76.0 | 81.5 | 81.7 | 73.2 | 59.6 | 43.3 | 34.4 | 58.8 |
| 1933 | 44.6 | 35.7 | 49.6 | 58.8 | 67.8 | 79.4 | 82.6 | 79.0 | 77.0 | 60.4 | 50.8 | 44.2 | 60.8 |
| 1934 | 40.4 | 39.6 | 46.3 | 59.6 | 68.8 | 82.7 | 87.4 | 86.5 | 68.0 | 65.2 | 50.9 | 37.6 | 61.1 |
| 1935 | 37.4 | 41.4 | 54.8 | 55.2 | 63.1 | 71.9 | 83.4 | 81.9 | 70.2 | 60.0 | 44.8 | 36.4 | 58.4 |
| 1936 | 31.4 | 28.6 | 53.7 | 58.5 | 70.0 | 79.0 | 85.9 | 88.8 | 77.6 | 58.4 | 45.8 | 42.0 | 60.0 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

INDEPENDENCE, MONTGOMERY COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|------|-------------------|------|------|------|------|------|------|------|------|------|--------|
| 1937 | 28.4 | 37.3 | 42.8 | 57.2 | 68.0 | 77.0 | 79.8 | 82.3 | 72.0 | 59.8 | 44.2 | 35.4 | 57.0 |
| 1938 | 38.6 | 42.9 | 56.5 | 59.9 | 67.2 | 75.2 | 81.0 | 83.2 | 73.4 | 66.8 | 48.0 | 40.3 | 61.1 |
| 1939 | 42.4 | 36.4 | 51.7 ^a | 57.5 | 69.6 | 76.1 | 83.6 | 81.4 | 80.4 | 66.3 | 46.5 | 42.5 | 61.2 |
| 1940 | 19.5 | 37.9 | 48.5 | 58.2 | 67.0 | 75.0 | 79.1 | 76.4 | 71.0 | 65.4 | 45.0 | 41.2 | 57.0 |
| 1941 | 38.7 | 38.5 | 43.5 | 60.8 | 71.4 | 74.2 | 81.8 | 80.4 | 72.8 | 64.2 | 48.2 | 43.2 | 59.8 |
| 1942 | 34.8 | 37.9 | 49.0 | 62.2 | 65.4 | 74.5 | 79.0 | 77.7 | 69.9 | 60.4 | 50.9 | 38.4 | 58.3 |
| 1943 | 34.3 | 44.1 | 42.9 | 61.7 | 65.3 | 77.4 | 81.6 | 85.2 | 69.8 | 58.5 | 47.4 | 34.7 | 58.6 |
| 1944 | 39.2 ^f | 42.4 | 45.8 | 56.0 | 69.3 | 78.4 | 80.3 | 82.0 | 71.9 | 63.1 | 51.6 | 34.6 | 59.6 |
| 1945 | 36.0 | 39.0 | 53.8 | 57.1 | 64.2 | 73.6 | 77.8 | 79.3 | 72.0 | 60.0 | 49.6 | 30.6 | 57.8 |
| 1946 | 37.5 | 45.4 | 56.6 | 63.2 | 64.0 | 75.8 | 83.6 | 81.6 | 71.8 | 63.7 | 48.0 | 43.6 | 61.2 |
| Normal | 34.8 | 37.6 | 48.3 | 58.0 | 66.7 | 75.7 | 80.4 | 80.2 | 72.6 | 61.1 | 47.5 | 37.8 | 58.4 |

LAWRENCE, DOUGLAS COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|-------------------|------|------|-------------------|------|-------------------|------|------|
| 1868 | 23.5 | 35.3 | 50.2 | 49.1 | 65.9 | 74.2 | 85.1 | 73.4 | 61.8 | 52.4 | 37.6 | 23.9 | 52.7 |
| 1869 | 30.4 | 30.3 | 34.5 | 51.0 | 61.7 | 68.8 | 74.2 | 74.2 | 64.0 | 44.0 | 39.0 | 29.6 | 50.1 |
| 1870 | 28.9 | 34.9 | 37.2 | 56.2 | 67.0 | 72.6 | 79.2 | 72.5 | 67.2 | 55.8 | 44.5 | 28.4 | 53.7 |
| 1871 | 28.6 | 35.0 | 47.1 | 57.3 | 65.9 | 75.9 | 79.1 | 74.1 | 64.4 | 55.4 | 35.6 | 24.4 | 53.6 |
| 1872 | 24.2 | 30.1 | 36.8 | 55.9 | 65.3 | 76.1 | 77.1 | 76.3 | 66.0 | 54.9 | 33.0 | 19.8 | 51.3 |
| 1873 | 18.2 | 30.0 | 42.3 | 48.7 | 64.0 | 75.9 | 77.0 | 78.4 | 65.5 | 50.5 | 42.1 | 31.1 | 52.0 |
| 1874 | 27.8 | 27.3 | 39.1 | 47.7 | 69.0 | 76.5 | 83.2 | 82.8 | 66.4 | 55.5 | 38.4 | 30.8 | 53.7 |
| 1875 | 15.4 | 21.9 | 37.1 | 49.7 | 65.0 | 75.5 | 76.6 | 72.5 | 65.8 | 53.2 | 35.6 | 39.4 | 50.6 |
| 1876 | 34.7 | 37.8 | 34.2 | 55.6 | 65.0 | 70.2 | 78.6 | 77.7 | 64.7 | 53.0 | 37.5 | 23.6 | 52.7 |
| 1877 | 25.6 | 39.6 | 40.0 | 53.9 | 64.5 | 72.0 | 75.1 | 74.1 | 66.9 | 54.4 | 39.2 | 44.5 | 54.2 |
| 1878 | 34.0 | 40.2 | 50.9 | 58.6 | 62.6 | 69.8 | 78.4 | 77.1 | 67.6 | 55.6 | 45.9 | 23.0 | 55.3 |
| 1879 | 23.5 | 34.1 | 48.2 | 56.4 | 69.5 | 73.2 | 79.1 | 75.8 | 65.4 | 60.5 | 44.3 | 26.2 | 54.7 |
| 1880 | 41.2 | 37.6 | 42.4 | 56.9 | 70.6 | 73.6 | 75.8 | 75.4 | 64.6 | 52.5 | 31.6 | 25.8 | 54.0 |
| 1881 | 12.6 | 25.8 | 34.5 | 52.5 | 69.9 | 77.2 | 79.7 | 81.2 | 70.6 | 59.3 | 40.4 | 40.1 | 53.6 |
| 1882 | 32.6 | 41.6 | 46.9 | 56.8 | 60.3 | 74.1 | 72.0 | 72.6 | 69.3 | 58.5 | 43.1 | 30.2 | 54.8 |
| 1883 | 16.7 | 26.5 | 39.2 | .... | .... | .... | .... | 72.0 | 63.5 | 52.7 | 42.8 | 33.7 | .... |
| 1884 | 21.0 | 28.0 | 41.6 | 45.8 | 62.2 | 71.1 | .... | .... | 70.4 | 57.9 | 41.5 | 23.5 | .... |
| 1885 | 18.7 | 20.8 | 40.6 | .... | .... | 72.6 | 77.1 | .... | .... | 51.2 | .... | 32.5 | .... |
| 1886 | .... | 31.6 | 40.4 | .... | 68.5 | 71.8 | 79.5 | 79.0 | 71.2 | .... | .... | 24.0 | .... |
| 1887 | .... | 30.4 | 43.3 | 57.7 | 67.9 | 73.9 | 79.8 | 73.6 | 67.6 | 52.0 | .... | .... | .... |
| 1888 | 18.0 | 32.7 | 38.6 | 57.8 | 62.1 | 73.1 | 79.5 | 72.9 | 66.0 | 53.1 | 39.2 | 34.8 | 52.3 |
| 1889 | 30.3 | 27.6 | 41.6 | 56.4 | 64.2 | 71.2 | 76.0 | 72.7 | 63.2 | 53.6 | 38.2 | 44.8 | 53.3 |
| 1890 | 27.4 | 32.6 | 37.8 | 56.6 | 63.2 | 77.0 | 80.6 | 73.7 | 63.0 | 54.8 | 44.1 | 36.0 | 53.9 |
| 1891 | 32.4 | 29.4 | 35.1 | 57.0 | 61.2 | 70.7 | 72.0 | 72.5 | 69.0 | 54.1 | 39.5 | 38.3 | 52.6 |
| 1892 | 24.0 | 36.6 | 37.7 | 53.0 | 60.0 | 74.2 | 75.6 | 75.8 | 68.0 | 56.9 | 40.4 | 26.2 | 52.4 |
| 1893 | 22.4 | 27.1 | 40.1 | 54.3 | 61.9 | 72.7 | 78.1 | 71.9 | 69.2 | 55.9 | 39.3 | 35.6 | 52.4 |
| 1894 | 30.0 | 28.0 | 48.3 | 58.3 | 66.6 | 76.1 | 77.9 | 75.1 | 68.8 | 58.6 | 42.1 | 37.0 | 55.5 |
| 1895 | 25.4 | 26.0 | 43.1 | 60.6 | 66.2 | 74.0 | 74.0 | 74.2 | 71.2 | 51.9 | 41.6 | 32.2 | 53.4 |
| 1896 | 31.8 | 36.5 | 39.2 | 61.4 | 68.4 | 71.9 | 77.1 | 77.0 | 65.4 | 55.5 | 39.8 | 39.4 | 55.3 |
| 1897 | 27.4 | 32.9 | 42.2 | 54.2 | 63.3 | 74.6 | 79.0 | 74.3 | 74.4 | 62.4 | 43.2 | 28.7 | 54.7 |
| 1898 | 32.0 | 35.4 | .... | 54.0 | 65.0 | 75.8 | 78.0 | 77.0 | 70.4 | 53.6 | 39.5 | 27.4 | .... |
| 1899 | 30.1 | 18.9 | 35.8 | 53.9 | 67.2 | 73.4 | 75.5 | 78.3 | 67.4 | 63.2 | 48.8 | 29.8 | 53.5 |
| 1900 | 34.6 | 25.2 | 41.0 | 57.6 | 66.3 | 73.4 | 76.4 | 79.0 | 70.1 | 61.8 | 41.1 | 35.8 | 55.2 |
| 1901 | 33.4 | 27.0 | 42.2 | 53.4 | 64.8 | 78.2 | 87.0 | 78.1 | 68.4 | 60.9 | 44.4 | 29.1 | 55.5 |
| 1902 | 30.2 | 23.6 | 44.8 | 54.2 | 69.8 | 70.2 | 76.5 | 76.0 | 63.0 | 59.0 | 47.6 | 28.2 | 53.6 |
| 1903 | 31.4 | 28.4 | 44.6 | 55.8 | 63.3 | 68.5 | 77.4 | 73.0 | 65.5 | 56.6 | 41.4 | 31.9 | 53.1 |
| 1904 | 27.2 | 30.0 | 44.2 | 49.4 | 62.3 | 70.2 | 74.2 | 73.2 | 69.0 | 57.6 | 46.7 | 32.0 | 53.0 |
| 1905 | 20.8 | 21.7 | 51.2 | 54.7 | 65.6 | 72.4 | 72.3 | 76.7 | 69.6 | 53.6 | 45.2 | 33.0 | 53.1 |
| 1906 | 34.2 | 34.3 | 32.1 | 59.2 | 66.2 | 73.4 | 74.2 | 75.9 | 70.0 | 55.2 | 41.3 | 35.6 | 54.3 |
| 1907 | 31.0 | 32.7 | 51.6 | 48.1 | 59.0 | 71.7 | 77.7 | 75.9 | 67.5 | 56.8 | 43.2 | 36.2 | 54.3 |
| 1908 | 33.4 | 34.4 | 47.6 | 55.5 | 63.4 | 71.4 | 75.3 | 74.0 | 69.4 | 54.3 | 45.4 | 37.6 | 55.1 |
| 1909 | 30.6 | 36.0 | 41.8 | 52.8 | 62.0 | 72.4 | 76.2 | 77.9 | 67.0 | 55.9 | 50.8 | 22.6 | 53.8 |
| 1910 | 29.5 | 28.2 | 56.6 | 57.0 | 58.8 | 70.5 | 78.5 | 73.6 | 68.1 | 59.4 | 42.8 | 31.2 | 54.5 |
| 1911 | 32.3 | 35.8 | 46.3 | 53.8 | 68.0 | 80.3 | 78.6 | 77.0 | 72.6 | 54.7 | 38.2 | 34.1 | 56.0 |
| 1912 | 17.3 | 27.7 | 31.6 | 54.7 | 68.0 | 69.3 | 78.6 | 77.7 | 66.8 | 58.8 | 46.1 | 35.5 | 52.7 |
| 1913 | 29.2 | 26.7 | 38.8 | 56.8 | 65.4 | 73.0 | .... | .... | 69.9 | 54.1 | 51.2 | 36.8 | .... |
| 1914 | 36.2 | 27.0 | 43.0 | 54.5 | 65.9 | 78.0 | 80.6 | 79.2 | 71.2 | 59.4 | 49.6 | 23.0 | 55.6 |
| 1915 | 27.7 | 37.3 | 33.8 | 61.5 | 61.8 | 69.4 | 74.0 | 69.8 | 70.4 | 60.1 | 48.6 | 33.6 | 54.0 |
| 1916 | 25.4 | 30.0 | 46.2 | 52.0 | 64.8 | 70.9 | 83.0 | .... | 69.2 | 58.2 | 46.2 | 28.5 | .... |
| 1917 | 30.6 | 29.9 | 45.3 | 52.4 | 58.8 | 72.0 | 80.6 | 74.4 | 69.8 | 51.5 | 47.7 | 24.5 | 53.1 |
| 1918 | 17.8 | 34.2 | 51.2 | 50.0 | 69.2 | 78.6 | 78.4 | 84.2 | 64.6 | 61.9 | .... | 37.7 | .... |
| 1919 | 32.1 | 34.9 | 46.0 | 55.2 | 63.1 | 74.2 ^b | 80.6 | 77.6 | 73.0 ^d | 57.4 | 42.9 ^a | 26.5 | 55.3 |
| 1920 | 29.3 | 34.6 | 46.7 | 49.0 | 63.8 | 74.0 | 76.4 | .... | 70.2 | 61.3 | 40.2 ^a | 35.6 | .... |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

LAWRENCE, DOUGLAS COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------------------|------|------|------|-------------------|------|------|------|------|-------------------|-------------------|--------|
| 1921 | 36.2 | 40.8 | 51.3 | 56.5 | 66.2 | 76.0 ^h | 79.0 | 76.1 | 73.2 | 59.9 | 44.8 ^a | 35.4 | 58.0 |
| 1922 | 28.8 | 34.2 | 44.5 | 56.3 | 66.0 | 75.5 | 76.3 | 79.2 | 72.1 | 62.0 | .... | 36.0 ^b | .... |
| 1923 | 39.4 | 30.5 | 40.8 | 54.3 | 62.3 | 73.6 | 78.8 | 77.6 | 69.0 | 52.9 | 45.6 | 38.0 | 55.2 |
| 1924 | 24.7 | 35.0 | 37.9 | 57.3 | 59.2 | 73.2 | 74.3 | 77.4 | 64.7 | 62.4 | 46.3 | 25.2 | 53.1 |
| 1925 | 26.8 | 38.4 | 47.5 | 60.2 | 61.2 | 76.4 | 78.1 | 77.6 | 75.4 | 47.4 | 43.4 | 31.8 | 55.4 |
| 1926 | 31.4 | 39.6 | 40.8 | 49.8 | 67.4 | 72.6 | 79.3 | 79.6 | 69.4 | 57.7 | 40.5 | 31.5 | 55.0 |
| 1927 | 30.0 | 38.1 ^b | 44.2 | 54.7 | 64.2 | 70.7 | 76.4 | 71.2 | 70.0 | 61.4 | 46.0 | 28.2 | 54.6 |
| 1928 | 33.0 | 36.8 | 48.9 | 52.6 | 66.6 | 69.0 | 77.5 | 76.8 | 66.6 | 60.4 | 44.4 | 36.2 | 55.7 |
| 1929 | 22.2 | 24.3 | 48.3 | 57.2 | 61.0 | 72.2 | 77.8 | 78.4 | 68.2 | 58.8 | 38.0 | 33.8 | 53.4 |
| 1930 | 17.0 | 46.5 | 43.5 | 60.6 | 63.2 | 72.1 | 81.6 | 80.3 | 72.2 | 55.4 | 47.2 | 34.5 | 56.2 |
| 1931 | 37.6 | 41.6 | 39.9 | 54.8 | 61.0 | 77.4 | 80.5 | 75.0 | 77.8 | 62.0 | 50.1 | 41.4 | 58.3 |
| 1932 | 28.8 | 42.7 | 36.3 | 58.2 | 65.9 | 75.1 | 80.2 | 78.2 | 68.5 | 55.8 | 39.2 | 29.4 | 55.1 |
| 1933 | 41.6 | 31.4 | 45.4 | 55.3 | 64.7 | 79.8 | 80.2 | 75.6 | 74.0 | 57.1 | 47.6 | 39.2 | 57.7 |
| 1934 | 36.2 | 35.4 | 44.0 | 58.7 | 69.8 | 82.0 | 88.0 | 84.3 | 66.6 | 62.4 | 48.5 | 32.0 | 59.0 |
| 1935 | 32.8 | 38.1 | 51.8 | 52.9 | 60.2 | 70.8 | 85.2 | 79.2 | 68.0 | 56.0 | 41.8 | 33.2 | 55.8 |
| 1936 | 22.6 | 21.2 | 50.2 | 55.5 | 69.4 | 78.4 | 88.1 | 87.2 | 74.2 | 57.6 | 44.3 | 39.0 | 57.3 |
| 1937 | 22.9 | 31.6 | 40.6 | 55.6 | 67.6 | 76.2 | 82.4 | 83.0 | 71.7 | 56.8 | 40.8 | 31.5 | 55.1 |
| 1938 | 33.8 | 38.6 | 53.7 | 56.2 | 64.5 | 73.9 | 80.4 | 83.3 | 72.6 | 66.0 | 45.6 | 37.0 | 58.8 |
| 1939 | 39.2 | 32.4 | 46.8 | 54.4 | 70.0 | 76.2 | 85.0 | 77.1 | 77.0 | 62.7 | 44.9 | 40.0 | 58.8 |
| 1940 | 14.4 | 33.0 | 45.0 | 55.4 | 64.4 | 74.5 | 81.4 | 75.8 | 69.2 | 64.3 | 41.6 | 37.2 | 54.7 |
| 1941 | 33.1 | 33.6 | 41.6 | 58.9 | 69.8 | 73.6 | 79.4 | 78.4 | 71.2 | 60.0 | 45.6 | 40.6 | 57.2 |
| 1942 | 32.0 | 34.0 | 46.3 | 60.4 | 63.8 | 73.4 | 80.2 | 75.8 | 67.4 | 58.4 | 47.6 | 31.8 | 55.9 |
| 1943 | 29.1 | 39.8 | 40.4 | 59.1 | 62.9 | 75.8 | 79.7 | 80.0 | 66.0 | 57.0 | 42.1 | 31.4 | 55.3 |
| 1944 | 36.0 | 37.4 | 40.6 | 51.5 | 69.0 | 75.7 | 77.8 | 77.0 | 69.8 | 60.4 | 48.2 | 30.0 | 56.1 |
| 1945 | 31.8 | 35.7 | 52.4 | 55.2 | 61.2 | 69.2 | 76.1 | 78.6 | 71.1 | 57.6 | 46.8 | 26.6 | 55.2 |
| 1946 | 34.0 | 42.8 | 56.1 | 60.1 | 61.8 | 75.4 | 80.2 | 76.8 | 68.2 | 60.8 | 46.0 | 39.0 | 58.4 |
| Normal | 29.9 | 32.7 | 44.4 | 55.1 | 64.7 | 73.9 | 79.1 | 77.5 | 69.8 | 58.3 | 44.7 | 33.0 | 55.3 |

LEAVENWORTH, LEAVENWORTH COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1827 | .... | .... | .... | .... | .... | .... | 76.8 | 77.4 | 74.4 | .... | .... | .... | .... |
| 1828 | .... | .... | .... | .... | .... | .... | 77.2 | 77.8 | 66.2 | 59.2 | 45.4 | 37.4 | .... |
| 1829 | 33.1 | 18.0 | 37.7 | 53.1 | 69.2 | 74.8 | 76.4 | 79.0 | 69.0 | .... | .... | .... | .... |
| 1830 | 34.0 | 41.0 | 48.6 | 59.0 | 64.6 | 74.7 | 81.0 | 79.0 | 67.7 | 62.8 | 47.3 | 26.6 | 57.2 |
| 1831 | 19.3 | 23.8 | 45.6 | 54.2 | 63.2 | 69.5 | 76.2 | 70.2 | 61.6 | 53.2 | 40.4 | 17.8 | 49.6 |
| 1832 | 26.2 | 18.0 | 46.2 | 57.8 | 60.5 | 72.0 | 76.0 | 72.8 | 67.6 | 56.0 | 41.3 | 34.8 | 52.4 |
| 1833 | 35.1 | 34.6 | 40.2 | 58.3 | 65.9 | 71.2 | 78.2 | 76.2 | 68.8 | 52.4 | 45.7 | 37.2 | 55.3 |
| 1834 | 13.2 | 35.4 | 40.4 | 58.4 | 64.7 | 71.2 | 76.8 | 77.0 | 60.4 | 53.2 | 45.0 | 30.2 | 52.2 |
| 1835 | 28.7 | 18.8 | 41.0 | 50.7 | 66.6 | 69.6 | .... | .... | .... | 51.5 | 30.6 | 31.6 | .... |
| 1836 | 25.6 | 29.7 | 33.1 | 54.0 | 66.3 | 68.7 | 73.9 | 70.8 | 64.1 | 46.6 | 39.1 | 27.5 | 50.0 |
| 1837 | 26.3 | 34.4 | 36.7 | 47.2 | 59.3 | 71.2 | 81.5 | 75.7 | 64.9 | 48.2 | 69.3 | 33.3 | 54.0 |
| 1838 | 27.2 | 18.8 | 47.9 | 57.8 | 61.5 | 78.7 | 83.3 | 77.9 | 68.6 | 51.0 | 26.8 | 24.3 | 52.0 |
| 1839 | 33.5 | 36.5 | 43.3 | 64.2 | 64.3 | 70.3 | 75.5 | 72.5 | 61.2 | 59.8 | 37.5 | 27.6 | 53.8 |
| 1840 | 22.8 | 34.9 | 42.8 | 55.8 | 63.2 | 70.9 | 72.4 | 72.2 | 60.6 | 53.3 | 38.8 | 33.1 | 51.7 |
| 1841 | 25.4 | 29.2 | 43.2 | 52.6 | 65.0 | 72.9 | 79.2 | 72.4 | 60.6 | 53.0 | 39.4 | 31.1 | 52.0 |
| 1842 | 35.0 | 36.0 | 53.4 | 60.5 | 63.0 | 67.5 | 72.9 | 71.2 | 66.6 | 58.0 | 32.3 | 25.7 | 53.5 |
| 1843 | 29.0 | 20.5 | 17.4 | 49.8 | 60.4 | 70.5 | 74.5 | 72.2 | 67.2 | 49.0 | 40.2 | 36.1 | 48.9 |
| 1844 | 26.3 | 35.0 | 43.4 | 63.0 | 62.4 | 68.8 | 77.4 | 74.1 | 63.8 | 52.2 | 38.6 | 33.5 | 53.2 |
| 1845 | 38.2 | 38.9 | 45.1 | 60.0 | 63.3 | 70.5 | 78.4 | 75.3 | 69.1 | 52.3 | 40.8 | 26.3 | 54.8 |
| 1846 | 38.2 | 31.6 | 46.4 | 55.7 | 67.1 | 70.6 | 77.4 | 77.1 | 70.2 | 55.4 | 44.9 | 34.8 | 55.8 |
| 1847 | 19.4 | 32.3 | 34.8 | 58.2 | 59.7 | 71.4 | 78.4 | 70.2 | 65.7 | 58.8 | 39.8 | 31.1 | 51.6 |
| 1848 | 33.2 | 37.6 | 40.9 | 53.3 | 64.7 | 74.7 | 72.6 | 69.7 | .... | .... | .... | .... | .... |
| 1849 | 18.2 | 24.8 | 45.6 | 53.0 | 63.4 | 73.3 | 74.6 | 73.3 | 69.3 | 52.8 | 50.3 | 26.7 | 52.1 |
| 1850 | 29.5 | 31.3 | 37.2 | 45.6 | 61.5 | 72.4 | 76.9 | 77.9 | 67.8 | 55.8 | 42.2 | 25.2 | 51.9 |
| 1851 | 32.0 | 35.2 | 47.1 | 50.2 | 65.2 | 70.6 | 75.8 | 73.4 | 71.6 | 54.6 | 35.2 | 26.3 | 53.1 |
| 1852 | 24.4 | 34.8 | 43.9 | 50.3 | 64.0 | 70.0 | 74.8 | 73.4 | 63.4 | 58.4 | 33.5 | 25.8 | 51.4 |
| 1853 | 32.0 | 31.1 | 40.8 | 55.0 | 60.0 | 73.7 | 75.4 | 75.7 | 68.7 | 53.7 | 44.2 | 32.6 | 53.6 |
| 1854 | 24.7 | 35.5 | 45.1 | 56.1 | 65.4 | 72.8 | 81.2 | 79.1 | 73.7 | 60.6 | 41.4 | 34.4 | 55.8 |
| 1855 | 25.7 | 29.5 | 38.6 | 61.0 | 68.2 | 68.9 | 78.5 | 74.6 | 72.5 | 54.3 | 41.8 | 23.4 | 53.1 |
| 1856 | 10.1 | 24.6 | 33.5 | 58.7 | 65.5 | 76.6 | 80.9 | 72.4 | 64.8 | 58.6 | 36.9 | 22.5 | 50.4 |
| 1857 | 12.1 | 33.2 | 36.2 | 45.2 | 63.0 | 75.2 | 82.5 | 79.1 | 72.6 | 55.4 | 37.5 | 39.2 | 52.6 |
| 1858 | 40.1 | 25.6 | 50.1 | 53.4 | 60.9 | 66.1 | 83.0 | 79.8 | 73.0 | 59.3 | 35.7 | 31.9 | 54.9 |
| 1859 | 32.6 | 32.5 | 47.0 | 49.3 | 66.4 | 72.9 | 79.8 | 75.6 | 66.2 | 59.9 | 44.0 | 18.9 | 53.8 |
| 1860 | 29.6 | 35.2 | 50.1 | 59.2 | 71.2 | 77.7 | 83.1 | 77.9 | 69.1 | 58.1 | 40.4 | 29.3 | 56.7 |
| 1861 | 22.5 | 33.4 | 42.4 | 56.2 | 63.2 | 78.4 | 73.4 | 76.4 | 67.9 | 56.1 | 43.4 | 35.3 | 54.0 |
| 1862 | 20.7 | 24.0 | 38.6 | 50.0 | 65.9 | 74.1 | 79.1 | 77.2 | 70.4 | 56.5 | 41.0 | 39.2 | 53.1 |
| 1863 | 34.5 | 28.2 | 43.4 | 54.0 | 66.9 | 70.3 | 75.1 | 76.2 | 69.8 | 47.2 | 39.8 | 28.4 | 52.8 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

LEAVENWORTH, LEAVENWORTH COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|
| 1864 | 24.0 | 34.2 | 38.9 | 50.4 | 67.7 | 79.9 | 84.8 | 85.8 | 71.8 | 48.3 | 38.0 | 24.6 | 54.0 |
| 1865 | 26.3 | 34.2 | 40.8 | 32.3 | 66.6 | 73.9 | 75.1 | 76.7 | 74.2 | 60.1 | 47.1 | 22.6 | 52.5 |
| 1866 | 26.3 | 29.0 | 36.5 | .... | .... | .... | .... | .... | .... | 57.4 | 45.8 | 28.1 | .... |
| 1867 | 21.0 | 32.3 | 25.8 | 52.2 | 59.2 | 72.4 | 76.9 | 77.9 | 69.9 | 58.6 | 45.8 | 34.6 | 52.2 |
| 1868 | 19.6 | 32.2 | 50.8 | 48.9 | 67.8 | 75.8 | 86.1 | 73.2 | 63.3 | 56.0 | 39.4 | 26.1 | 53.3 |
| 1869 | 33.8 | 32.9 | 36.9 | 52.8 | 65.0 | 69.9 | 72.7 | 73.2 | 63.3 | 48.5 | 39.1 | 26.1 | 51.2 |
| 1870 | 29.2 | 35.0 | 41.6 | 56.3 | 68.8 | 56.0 | 78.7 | 72.5 | 67.8 | 56.8 | .... | 25.8 | .... |
| 1871 | 24.0 | 42.7 | 45.3 | 56.4 | 69.3 | 75.6 | 81.2 | 73.2 | 63.2 | 57.3 | 36.1 | 32.2 | 54.7 |
| 1872 | 23.1 | 32.4 | 34.5 | 53.0 | 65.0 | 75.8 | .... | 78.3 | 64.2 | 50.3 | 32.0 | 20.7 | .... |
| 1873 | 17.2 | 23.0 | 41.0 | 47.0 | 62.2 | 75.7 | 76.0 | 74.4 | 62.2 | 44.2 | 37.3 | 30.6 | 49.2 |
| 1874 | 26.8 | 26.5 | 39.8 | 47.1 | 67.8 | 75.8 | 80.3 | 81.3 | 65.3 | 56.0 | 42.7 | 30.0 | 53.3 |
| 1875 | 14.3 | 20.3 | 36.0 | 49.7 | 69.7 | 78.3 | 77.0 | 73.0 | 66.3 | 53.6 | 36.7 | 38.0 | 58.1 |
| 1876 | 34.7 | 38.0 | 34.3 | 55.7 | 63.7 | 69.0 | 70.7 | 75.3 | 64.3 | 54.3 | 34.7 | 21.3 | 51.3 |
| 1877 | 24.6 | 39.5 | 38.4 | 53.3 | 63.8 | 71.9 | 76.3 | 75.1 | 67.9 | 54.5 | 39.5 | 44.2 | 54.1 |
| 1878 | 33.8 | 40.2 | 50.9 | 58.8 | 62.3 | 70.5 | 80.3 | 78.9 | 67.8 | 55.2 | 45.7 | 23.3 | 55.6 |
| 1879 | 23.6 | 32.9 | 46.4 | 55.4 | 69.0 | 73.3 | 79.8 | 77.6 | 65.9 | 62.1 | 44.6 | 26.7 | 54.8 |
| 1880 | 41.4 | 37.9 | 42.9 | 56.4 | 71.0 | 74.7 | 78.2 | 77.6 | 65.6 | 52.7 | 31.9 | 25.8 | 54.7 |
| 1881 | 21.1 | 25.5 | 36.8 | 50.8 | 70.1 | 77.6 | 80.2 | 81.7 | 70.1 | 58.4 | 40.2 | 40.2 | 54.4 |
| 1882 | 32.4 | 42.0 | 45.8 | 56.1 | 58.7 | 73.5 | 72.5 | 73.2 | 68.8 | 58.9 | 43.3 | 31.6 | 54.7 |
| 1883 | 19.4 | 27.9 | 39.4 | 56.3 | 60.8 | 71.1 | 76.8 | 72.7 | 63.4 | 53.0 | 44.0 | 35.1 | 51.7 |
| 1884 | 21.1 | 27.9 | 41.3 | 50.8 | 62.0 | 72.1 | 77.3 | 71.8 | 71.7 | 59.4 | 43.1 | 24.1 | 51.9 |
| 1885 | 19.0 | 21.6 | 40.1 | 52.7 | 61.8 | 72.2 | 77.9 | 73.5 | 66.1 | 52.3 | 43.5 | 32.8 | 51.1 |
| 1886 | 14.4 | 30.2 | 39.2 | 54.4 | 68.1 | 71.2 | 78.4 | 78.8 | 70.5 | 59.7 | 40.0 | 23.7 | 52.4 |
| 1887 | 20.7 | 28.9 | 42.7 | 57.3 | 67.9 | 73.3 | 79.2 | 73.3 | 66.7 | 52.6 | 42.8 | 27.2 | 52.8 |
| 1888 | 16.3 | 31.4 | 37.0 | 56.5 | 60.5 | 72.2 | 79.0 | 72.0 | 63.8 | 51.0 | 38.2 | 33.1 | 50.9 |
| 1889 | 29.8 | 27.5 | 45.2 | 55.4 | 63.8 | 70.6 | 76.8 | 74.0 | 64.7 | 54.2 | 39.2 | 45.3 | 53.9 |
| 1890 | 28.1 | 32.3 | 37.5 | 56.6 | 63.0 | 77.0 | 80.6 | 74.2 | 64.0 | 55.8 | 45.4 | 37.0 | 54.3 |
| 1891 | 33.2 | 29.8 | 34.2 | 57.0 | 60.7 | 71.7 | 72.6 | 73.6 | 70.8 | 55.9 | 38.7 | 39.3 | 53.1 |
| 1892 | 23.9 | 36.4 | 37.6 | 51.8 | 59.0 | 74.2 | 76.2 | 76.2 | 69.6 | 58.4 | 40.7 | 26.0 | 52.5 |
| 1893 | 21.8 | 26.6 | 39.8 | 53.4 | 61.1 | 73.2 | 78.0 | 72.8 | 70.5 | 58.2 | .... | .... | .... |
| | | | | | | | | | | | | | |
| 1901 | 34.9 | 26.0 | 42.4 | 54.2 | 65.0 | 79.0 | 88.1 | 79.8 | 68.8 | 61.0 | 44.8 | 29.2 | 56.1 |
| 1902 | .... | 24.2 | 43.2 | 53.2 | 69.4 | 70.4 | 79.3 | 78.6 | 65.3 | 61.0 | 48.6 | 28.2 | .... |
| 1903 | 29.4 | 27.0 | 42.6 | 55.9 | 64.5 | 69.1 | 79.3 | 75.2 | 67.0 | 58.0 | 41.8 | 31.6 | 53.4 |
| 1904 | 27.2 | 29.8 | 44.6 | 50.4 | 63.4 | 71.6 | 75.4 | 74.9 | 70.9 | 59.4 | 48.2 | 32.8 | 54.0 |
| 1905 | 21.6 | 21.4 | 52.0 | 55.6 | 65.4 | 76.9 | 74.6 | 79.2 | 71.2 | 56.0 | 47.0 | 32.9 | 54.5 |
| | | | | | | | | | | | | | |
| 1911 | .... | .... | 48.9 | 55.8 | 69.6 | 81.3 | 80.6 | 78.4 | 75.9 | 56.0 | 39.4 | 33.8 | .... |
| 1912 | 14.9 | 26.1 | 31.2 | 55.0 | 69.2 | 70.7 | 79.5 | 77.9 | 66.4 | 59.4 | 47.4 | 36.6 | 52.9 |
| 1913 | 31.2 | 28.9 | 39.3 | 57.3 | 67.1 | 75.5 | 82.0 | 85.0 | 69.5 | 55.2 | 50.8 | 37.3 | 56.6 |
| 1914 | 36.4 | 27.6 | 43.8 | 55.2 | 68.0 | 78.7 | 81.6 | 79.2 | 72.3 | 60.8 | 50.4 | 24.2 | 56.5 |
| 1915 | 29.0 | 38.8 | 35.6 | 63.0 | 63.2 | 71.8 | 74.8 | 71.8 | 71.0 | 61.6 | 49.4 | 34.2 | 55.4 |
| 1916 | 25.8 | 31.9 | 48.0 | 54.4 | 66.4 | 71.7 | 84.2 | 78.1 | 67.9 | 57.6 | 46.5 | 29.2 | 55.1 |
| 1917 | 30.2 | 30.4 | 45.0 | 52.4 | 68.6 | 71.9 | 79.1 | 73.3 | 69.1 | 50.2 | 47.2 | 24.8 | 52.7 |
| 1918 | 17.6 | 34.0 | 50.2 | 49.4 | 69.6 | 78.8 | 78.0 | 83.6 | 64.6 | 61.8 | 45.0 | 38.9 | 56.0 |
| 1919 | 33.4 | 35.3 ^b | 45.0 | 54.9 | 63.4 | 75.7 ^m | 80.5 | 75.7 | 71.4 ^a | 56.5 | 41.4 | 26.5 | 55.0 |
| 1920 | 30.6 | 34.4 ^a | 45.2 | 48.6 ^b | 62.8 | 72.6 | 76.3 | 72.9 | 70.2 | 61.2 | 41.0 | 35.2 ^b | 54.2 |
| 1921 | 35.3 | 39.4 ^k | 51.8 | 57.5 ^c | 67.2 | 79.2 | 80.8 | 77.6 | 73.9 ^b | 61.8 ^f | .... | 36.8 | .... |
| 1922 | .... | 35.6 | 45.2 | 56.8 | 66.1 | 75.8 | 78.6 | 78.6 | 72.3 | 60.1 ^a | 48.2 | 35.2 | .... |
| 1923 | 39.2 ^a | 31.0 | 41.2 | 54.1 | 62.4 | 73.5 | 77.8 | 76.1 | 68.8 | 52.2 | 43.8 | 36.8 | 54.7 |
| 1924 | 22.4 | 32.8 | 36.8 | 54.8 | 57.3 ^h | 72.4 | 73.8 | 77.8 | 64.0 | 61.8 | 47.2 | 26.0 | 52.3 |
| 1925 | 28.0 | 38.6 | 47.8 | .... | 60.8 ^b | 75.4 | 77.5 | 76.0 | 74.1 ^b | 48.0 | 42.7 | 32.8 | .... |
| 1926 | 32.5 | 39.2 | 42.9 | 50.4 | 69.0 ^b | 73.0 | 79.4 | 79.2 | 69.0 | 57.8 | 39.4 | 30.0 ^d | 55.2 |
| 1927 | 30.9 | 40.0 | 44.8 | 57.4 ^a | 65.8 ^a | .... | .... | 71.0 | 70.5 | 60.6 | 44.4 ^c | 27.1 | .... |
| 1928 | 32.8 | 37.4 | 47.4 | 54.1 ^a | 68.2 ^b | .... | 77.4 ^a | 76.7 ^b | 65.8 | 60.8 ^a | 44.7 ^m | 37.1 | .... |
| 1929 | 22.0 | 24.4 | 48.6 | 57.6 ^d | 62.0 | 72.3 | 79.0 | 78.7 | 68.2 | 58.4 | 38.8 | 34.5 ^a | 53.7 |
| 1930 | 18.2 | 47.3 ^d | 44.4 ^b | 60.1 | 63.4 | 72.4 ^a | 81.5 ^b | .... | 71.0 ^a | 55.8 | 47.4 ^b | 36.0 ^b | .... |
| 1931 | 37.8 ^a | 41.6 | 40.5 | 55.5 ^a | 61.2 ^a | 79.0 | 80.6 | 75.2 | 67.6 | 62.3 | 50.4 | 41.6 | 58.6 |
| 1932 | 31.8 ^a | 42.1 | 37.6 ^b | 58.8 | 66.4 | 74.6 | 80.0 | 78.6 | 67.5 | 56.4 ^b | 40.0 | 31.3 | 55.4 |
| 1933 | 41.8 ^a | 32.4 | 45.0 ^a | 56.0 | 65.0 | 80.0 | 81.2 | 75.8 | 73.6 ^a | 56.4 | 46.5 ^b | 37.4 | 57.6 |
| 1934 | 35.6 | 33.3 | 41.8 ^a | 56.8 | 70.0 | 81.5 | 86.6 | 83.5 | 65.0 ^b | 63.4 | 48.2 | 32.4 | 58.2 |
| 1935 | 32.5 | 38.3 | 51.8 | 52.4 | 60.2 | 71.4 ^a | 84.6 | 78.8 | 68.6 | 56.7 | 41.0 | 32.9 | 55.8 |
| 1936 | 20.9 | 20.4 | 51.0 ^c | 55.1 | 68.9 ^a | 77.6 | 86.3 | 86.5 | 72.8 | 56.2 ^b | 41.0 | 37.0 | 56.1 |
| 1937 | 20.9 ^b | 29.6 ^b | 39.2 ^a | 55.6 ^b | 67.4 | 74.8 ^b | 80.7 | 82.2 | 70.8 | 59.1 ^c | 40.6 | 30.7 | 54.3 |
| 1938 | 33.9 | 38.2 | 54.2 | 56.4 | 65.5 | 74.4 | 81.4 | 82.0 | 72.2 ^a | 66.8 | 45.9 | 35.1 ^b | 58.9 |
| 1939 | 38.6 ^c | 30.8 | 45.2 | 54.4 | 71.5 ^b | 77.1 | 83.8 | 77.8 ^b | 77.0 | 63.0 | 45.8 | 40.2 | 58.8 |
| 1940 | 14.5 | .... | 43.4 | 54.3 | 64.0 | 74.4 | 79.6 | 76.3 | 69.8 | 64.8 | 41.5 | 37.0 | .... |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

LEAVENWORTH, LEAVENWORTH COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|-------------------|-------------------|-------|-------------------|------|-------------------|--------|
| 1941 | 32.4 | 32.6 | 41.0 | 58.8 | 69.8 | 73.4 | 78.7 | 78.9 | 71.2 | 60.1 | 45.6 | 40.2 | 56.9 |
| 1942 | 31.4 | 32.6 | 45.0 | 60.0 | 63.2 | 73.2 | 79.2 | 75.2 | 67.3 | 57.4 ^b | 46.7 | 30.4 | 55.1 |
| 1943 | 27.8 | 39.7 | 39.6 | 58.2 | 61.9 | 75.2 | 79.0 | 79.5 ^a | 65.6 | 56.2 | 41.4 | 30.1 ^a | 54.5 |
| 1944 | 36.0 | 36.3 | 39.1 | 50.4 | 68.6 | 75.8 | 77.1 | 76.3 | 69.6 | 62.0 ^d | 47.6 | 29.2 ^b | 55.7 |
| 1945 | 31.0 | 35.3 | 52.1 | 54.2 | 61.2 | 68.6 | 76.5 | 78.8 | 70.4 | 57.6 | 46.0 | 25.4 | 54.8 |
| 1946 | 32.6 | 42.1 | 55.2 | 59.6 | 61.1 | 75.2 | 78.8 ^c | 76.4 ^c | ..... | ..... | 46.6 | 39.6 | ..... |
| Normal | 29.4 | 31.5 | 44.0 | 54.6 | 65.0 | 74.1 | 79.7 | 78.0 | 70.0 | 58.8 | 44.8 | 33.0 | 55.2 |

MANHATTAN, RILEY COUNTY

| | | | | | | | | | | | | | |
|------|-------|-------|-------|-------------------|-------|-------|-------|-------------------|-------|-------------------|-------------------|-------|-------|
| 1856 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 61.5 | 39.9 | 24.6 | ..... |
| 1857 | 16.0 | 36.6 | 40.3 | 44.7 ^a | 59.0 | 78.8 | 84.8 | 78.0 ^b | 71.2 | 54.0 | 35.4 ^k | ..... | ..... |
| 1858 | ..... | 25.5 | 46.1 | 51.4 | 60.0 | 75.2 | 80.8 | 74.6 | 69.7 | ..... | 33.7 | 25.8 | ..... |
| 1859 | 32.0 | 33.9 | 46.9 | 50.6 | 64.4 | 75.1 | 82.2 | 78.0 | 66.9 | 54.0 | 46.0 | 21.8 | 54.9 |
| 1860 | 23.1 | 32.6 | 52.4 | 56.2 | 65.7 | 81.8 | 83.9 | 85.0 | 72.6 | 55.7 | 37.8 | 33.4 | 57.1 |
| 1861 | 24.9 | 35.9 | 42.6 | 56.3 | 64.9 | 79.1 | 78.8 | 78.8 | 69.0 | 56.6 | 41.4 | 32.5 | 55.1 |
| 1862 | 18.2 | 24.1 | 38.6 | 50.8 | 69.1 | 74.1 | 80.6 | 70.8 | 69.2 | 57.6 | 44.1 | 38.6 | 53.2 |
| 1863 | 36.1 | 30.1 | 47.0 | 61.2 | 79.4 | 70.9 | 76.1 | 78.6 | 73.2 | 48.3 | 38.1 | 25.7 | 55.4 |
| 1864 | 24.0 | 32.2 | 38.3 | 48.3 | 64.8 | 75.8 | 82.0 | 78.3 | 70.8 | 46.0 | 36.6 | 28.0 | 52.1 |
| 1865 | 27.4 | 35.2 | 42.0 | 54.7 | 68.2 | 76.1 | ..... | 75.4 | ..... | ..... | ..... | ..... | ..... |
| 1866 | ..... | ..... | ..... | ..... | 61.8 | 77.8 | 80.8 | 72.7 | 62.3 | 57.5 | 46.4 | 31.0 | ..... |
| 1867 | 22.4 | 32.3 | 24.8 | 50.0 | 59.1 | 73.9 | 75.7 | 77.8 | 69.9 | 58.9 | 45.1 | 35.9 | 52.2 |
| 1868 | 18.4 | 27.7 | 49.4 | 46.6 | 67.1 | 74.3 | 83.7 | 76.8 | 60.7 | 53.1 | 38.1 | 25.3 | 51.8 |
| 1869 | 30.8 | 31.3 | 35.7 | 47.4 | 58.0 | 66.4 | 73.5 | 76.0 | 61.9 | 44.8 | 37.3 | 30.2 | 49.4 |
| 1870 | 27.7 | 34.1 | 36.2 | 53.5 | 65.8 | 74.6 | 84.9 | 72.9 | 68.3 | 56.6 | 45.6 | 30.1 | 54.2 |
| 1871 | 28.8 | 36.0 | 47.2 | 60.0 | 67.2 | 77.5 | 79.4 | 76.2 | 67.2 | 57.6 | 37.0 | 24.7 | 54.9 |
| 1872 | 25.2 | 32.9 | 38.7 | 56.6 | 65.7 | 75.0 | 78.7 | 77.7 | 66.2 | 52.4 | 34.1 | 21.1 | 52.0 |
| 1873 | 19.7 | 30.7 | 42.5 | 47.8 | 62.8 | 76.6 | 77.4 | 78.8 | 66.4 | 51.9 | 42.1 | 29.1 | 52.1 |
| 1874 | 26.4 | 25.7 | 37.1 | 46.0 | 65.6 | 76.0 | 82.3 | 83.4 | 65.4 | 59.1 | 39.0 | 32.2 | 53.3 |
| 1875 | 15.3 | 22.3 | 36.9 | 51.6 | 64.7 | 75.4 | 78.2 | 71.0 | 66.0 | 56.4 | 39.5 | 38.7 | 51.2 |
| 1876 | 33.8 | 36.9 | 32.0 | 55.6 | 65.8 | 69.3 | 77.1 | 76.4 | 65.1 | 53.3 | 37.3 | 23.2 | 52.1 |
| 1877 | 25.1 | 39.6 | 38.9 | ..... | 64.2 | 72.2 | 77.5 | 75.2 | 70.5 | 53.4 | 38.7 | 41.5 | ..... |
| 1878 | 33.1 | 39.2 | 49.3 | 53.1 | 61.8 | 68.9 | 78.1 | 77.5 | 67.0 | 54.8 | 43.5 | 21.2 | 55.6 |
| 1879 | ..... | 21.4 | 46.6 | 55.6 | 68.6 | 72.8 | 80.0 | 77.5 | 63.3 | 61.1 | 49.5 | 24.8 | ..... |
| 1880 | 37.2 | 36.6 | 41.0 | 56.3 | 70.4 | 74.3 | 75.3 | 76.2 | 64.9 | 51.9 | 31.0 | 24.4 | 53.3 |
| 1881 | 19.5 | 22.2 | 36.2 | 52.1 | 68.2 | 78.0 | 81.1 | 83.8 | 72.5 | 56.6 | 39.4 | 38.5 | 54.9 |
| 1882 | 31.7 | 40.4 | 46.7 | 56.1 | 58.4 | 73.9 | 72.7 | 73.6 | 70.3 | 57.1 | 40.5 | 29.6 | 54.2 |
| 1883 | 18.0 | 25.8 | 39.3 | 55.5 | 60.0 | 71.2 | 73.7 | 73.1 | 63.1 | 51.5 | 43.4 | 33.0 | 49.8 |
| 1884 | 21.5 | 25.9 | 40.2 | 49.3 | 61.0 | 71.8 | 76.9 | 72.0 | 72.6 | 60.0 | 42.4 | 22.7 | 51.4 |
| 1885 | 16.3 | 21.6 | 40.6 | 53.7 | 60.7 | 73.7 | 77.5 | 74.1 | 63.1 | 50.9 | 42.9 | 32.8 | 50.7 |
| 1886 | 12.4 | 31.2 | 39.2 | 57.7 | 69.5 | 74.2 | 78.8 | 79.3 | 78.4 | 61.0 | 45.6 | 24.3 | 54.4 |
| 1887 | 22.2 | 28.0 | 42.4 | 58.1 | 68.5 | 74.3 | 80.7 | 73.6 | 67.0 | 51.0 | 40.8 | 26.1 | 52.8 |
| 1888 | 15.4 | 32.1 | 35.8 | 56.7 | 60.2 | 73.4 | 80.1 | 74.1 | 64.2 | 52.1 | 37.3 | 33.4 | 51.2 |
| 1889 | 27.8 | 25.5 | 43.0 | 55.3 | 63.1 | 70.4 | 75.2 | 74.1 | 63.2 | 52.2 | 35.2 | 41.2 | 52.2 |
| 1890 | 23.1 | 30.0 | 37.2 | 56.2 | 62.9 | 77.2 | 81.9 | 74.3 | 63.0 | 53.3 | 41.9 | 33.2 | 52.9 |
| 1891 | 29.4 | 27.6 | 33.4 | 56.3 | 60.9 | 70.0 | 72.0 | 73.6 | 69.9 | 53.2 | 38.7 | 38.0 | 51.9 |
| 1892 | 22.2 | 34.6 | 39.2 | 51.7 | 57.8 | 74.3 | 77.3 | 75.5 | 69.7 | 55.7 | 39.8 | 24.0 | 54.2 |
| 1893 | 23.0 | 26.7 | 39.6 | 54.3 | 60.8 | 73.9 | 78.6 | 72.3 | 69.0 | 55.4 | 37.1 | 34.1 | 52.1 |
| 1894 | 26.6 | 25.4 | 46.0 | 57.6 | 64.3 | 74.0 | 77.6 | 79.9 | 69.2 | 57.4 | 40.9 | 35.1 | 54.5 |
| 1895 | 23.7 | 25.8 | 43.0 | 60.7 | 68.4 | 74.2 | 77.8 | 77.3 | 75.0 | 53.6 | 41.8 | 33.0 | 54.5 |
| 1896 | 32.2 | 37.0 | 38.5 | 61.9 | 69.9 | 74.4 | 78.6 | 78.8 | 65.6 | 53.3 | 38.5 | 39.8 | 55.9 |
| 1897 | 27.8 | 31.5 | 42.2 | 54.8 | 65.1 | 76.8 | 80.7 | 77.2 | 75.9 | 62.2 | 42.0 | 27.4 | 55.3 |
| 1898 | 31.4 | 35.8 | 43.6 | 54.2 | 63.8 | 76.0 | 77.9 | 79.4 | 72.1 | 53.1 | 38.0 | 26.3 | 54.3 |
| 1899 | 29.2 | 17.8 | 34.6 | 55.2 | 68.6 | 74.6 | 76.2 | 80.4 | 69.4 | 64.0 | 49.2 | 29.7 | 54.1 |
| 1900 | 33.3 | 25.4 | 41.2 | 58.4 | 67.6 | 76.0 | 77.6 | 82.6 | 71.6 | 63.0 | 41.0 | 35.2 | 56.1 |
| 1901 | 31.5 | 27.2 | ..... | 54.0 | 63.8 | 78.9 | 86.6 | 80.6 | 69.0 | 55.6 | 44.7 | 30.3 | ..... |
| 1902 | 32.3 | 22.6 | 46.8 | 55.4 | 70.2 | 71.2 | 80.0 | 78.7 | 63.0 | 58.4 | 47.6 | 28.0 | 54.5 |
| 1903 | 31.8 | 28.6 | 45.0 | 57.1 | 64.9 | 69.6 | 80.0 | 76.7 | 68.0 | 57.3 | 42.4 | 31.7 | 54.4 |
| 1904 | 27.4 | 30.1 | 45.4 | 50.3 | 63.3 | 72.4 | 75.7 | 74.1 | 70.8 | 59.8 | 46.0 | 43.0 | 53.9 |
| 1905 | 20.6 | 20.5 | 51.8 | 55.6 | 65.2 | 78.2 | 76.0 | 79.7 | 72.1 | 54.2 | 45.6 | 33.4 | 54.4 |
| 1906 | 34.0 | 35.6 | 32.8 | 59.6 | 66.5 | 74.4 | 75.8 | 78.4 | 72.0 | 55.8 | 40.1 | 35.8 | 55.1 |
| 1907 | 29.4 | 31.6 | 51.2 | 45.8 | 59.2 | 70.9 | 78.8 | 77.4 | 69.6 | 55.8 | 41.4 | 34.2 | 53.8 |
| 1908 | 35.0 | 34.8 | 47.6 | 55.7 | 62.6 | 71.8 | 75.8 | 75.2 | 70.2 | 55.7 | 43.5 | 35.0 | 55.2 |
| 1909 | 27.0 | 35.6 | 40.7 | 52.0 | 62.6 | 73.7 | 78.5 | 80.2 | 68.8 | 56.9 | 49.8 | 21.3 | 53.9 |
| 1910 | 27.6 | 29.0 | 56.0 | 57.8 | 59.6 | 71.2 | 78.1 | 73.9 | 68.7 | 58.7 | 41.3 | 31.2 | 54.4 |
| 1911 | 32.1 | 35.3 | 46.0 | 53.2 | 67.6 | 80.6 | 79.4 | 75.3 | 74.3 | 54.4 ^a | 38.4 | 32.2 | 55.7 |
| 1912 | 18.1 | 28.6 | 32.0 | 55.4 | 68.7 | 69.8 | 80.7 | 78.5 | 67.2 | 57.2 | 45.2 | 34.9 | 53.0 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

MANHATTAN, RILEY COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|------|-------------------|------|-------------------|------|-------------------|------|-------------------|-------------------|-------------------|-------------------|--------|
| 1913 | 26.9 | 26.7 | 38.1 | 57.2 | 66.2 | 75.0 | 83.4 | 85.0 | 68.8 | 54.7 | 50.1 | 35.6 | 55.6 |
| 1914 | 35.9 | 27.2 | 42.6 | 54.6 | 64.3 | 79.6 | 81.6 | 79.6 | 73.6 | 59.2 | 47.7 | 22.2 | 55.7 |
| 1915 | 26.6 | 37.2 | 33.8 | 61.0 | 62.0 | 71.0 | 75.2 ^a | 68.2 | 69.4 | 58.0 | 47.6 | 33.6 | 53.6 |
| 1916 | 24.7 | 28.4 | 46.6 | 52.5 | 65.8 | 70.4 | 80.8 | 80.7 | 68.8 | 58.5 | 44.4 | 27.6 ^b | 54.1 |
| 1917 | 31.5 | 30.9 | 44.8 | 53.6 | 57.2 | 73.1 | 81.1 | 72.6 | 68.5 | 50.2 | 47.5 ^b | 24.9 | 53.0 |
| 1918 | 17.0 | 34.6 | 49.8 | 49.2 | 70.2 ^b | 79.2 | 79.2 | 84.6 | 63.3 | 61.8 | 44.6 | 37.3 | 55.9 |
| 1919 | 31.0 | 34.0 | 43.8 | 54.4 | 62.8 | 73.8 | 81.8 | 78.4 | 73.8 | 56.4 | 40.1 | 25.2 | 54.6 |
| 1920 | 31.2 | 35.0 | 46.5 | 48.2 | 64.1 | 75.6 | 77.4 | 72.2 | 70.1 | 62.3 | 40.7 | 34.4 | 54.8 |
| 1921 | 36.5 | 40.8 | 51.1 | 56.2 | 66.8 | 75.5 | 79.6 | 78.6 | 75.0 | 60.8 | 42.8 | 33.6 | 58.1 |
| 1922 | 28.2 | 33.4 | 44.8 | 56.2 | 64.9 | 76.1 | 76.2 | 80.0 | 73.2 | 60.3 | 46.2 | 32.4 | 56.0 |
| 1923 | 38.2 | 30.8 | 40.5 | 54.2 | 61.8 | 74.0 | 78.2 | 77.4 | 71.4 | 53.6 | 45.0 | 35.9 | 55.1 |
| 1924 | 23.8 | 35.2 | 37.0 | 56.8 | 59.0 | 74.2 | 76.4 | 79.8 | 64.6 | 62.6 | 45.9 | 24.0 | 53.3 |
| 1925 | 24.2 | 38.9 | 48.6 ^a | 61.0 | 62.2 | 77.2 | 79.0 | 77.4 | 73.4 | 47.0 | 42.7 | 31.7 | 55.3 |
| 1926 | 30.8 | 40.3 | 41.2 | 50.2 | 68.4 | 73.2 | 80.4 | 80.2 | 70.0 | 58.3 ^a | 40.0 | 30.4 ^a | 55.3 |
| 1927 | 30.1 ^a | 38.0 | 44.0 | 57.0 | 64.4 | 71.4 | 76.4 | 71.0 | 70.0 | 60.8 | 43.4 | 26.8 | 54.4 |
| 1928 | 33.2 | 36.8 | 48.2 | 51.6 | 65.5 | 68.4 | 77.8 | 76.8 | 68.6 | 59.2 | 43.4 | 36.6 | 55.4 |
| 1929 | 21.3 | 23.9 | 47.6 | 57.7 | 61.2 | 73.0 | 79.5 | 78.6 | 68.3 ^a | 58.2 | 37.7 | 33.3 | 53.4 |
| 1930 | 16.5 | 47.2 | 43.6 | 59.6 | 64.4 | 73.0 | 83.6 | 81.0 | 72.2 | 55.6 | 46.7 | 33.5 | 56.4 |
| 1931 | 36.4 | 41.1 | 39.8 | 55.1 | 61.8 | 79.3 | 83.0 | 75.2 | 78.4 | 62.2 | 48.2 | 40.4 | 58.4 |
| 1932 | 28.5 | 39.9 | 35.8 | 58.0 | 66.0 | 74.4 | 82.2 | 79.8 | 68.5 | 55.3 | 39.8 | 28.0 | 54.7 |
| 1933 | 39.8 | 31.1 | 45.3 | 55.0 | 65.4 | 83.6 | 82.0 | 78.4 | 74.9 | 57.5 | 47.7 | 38.3 | 58.2 |
| 1934 | 35.3 | 34.2 | 43.7 | 58.4 | 70.4 | 83.6 | 90.2 | 86.6 | 67.4 | 62.8 | 47.7 | 31.8 | 59.3 |
| 1935 | 33.2 | 38.0 | 51.8 | 52.5 | 60.2 | 71.0 | 86.6 | 81.4 | 70.4 | 56.1 | 40.7 | 33.0 | 56.2 |
| 1936 | 22.4 | 19.4 | 48.5 | 54.6 | 69.0 | 78.1 | 88.0 | 86.2 | 73.9 | 55.8 | 42.5 | 38.6 | 56.4 |
| 1937 | 21.6 | 30.6 | 39.6 | 54.8 | 67.2 | 76.0 | 82.9 | 84.6 | 72.6 | 56.6 | 40.6 | 30.6 | 54.8 |
| 1938 | 33.5 | 37.0 | 51.4 | 55.6 | 64.2 | 74.4 | 82.1 | 84.2 | 73.1 | 66.7 | 43.6 | 35.5 | 58.4 |
| 1939 | 38.3 | 29.8 | 45.0 | 54.8 | 69.2 | 75.0 | 83.8 | 76.8 | 76.3 | 61.8 | 44.8 | 39.0 | 57.9 |
| 1940 | 13.8 | 31.6 | 43.5 | 53.6 | 63.6 | 74.4 | 83.7 | 76.9 | 70.2 | 65.2 | 40.2 | 35.4 | 54.3 |
| 1941 | 32.2 | 33.1 | 40.6 | 58.5 | 69.6 | 74.0 | 81.4 | 79.8 | 71.9 | 59.2 | 45.6 | 38.6 | 57.0 |
| 1942 | 30.2 | 32.7 | 44.9 | 60.4 | 63.4 | 73.2 | 80.8 | 77.7 | 67.1 | 59.0 | 46.7 | 30.5 | 55.6 |
| 1943 | 27.8 | 39.6 | 40.0 | 58.6 | 62.0 | 75.7 | 79.5 | 83.4 | 67.6 | 56.6 | 42.2 | 30.0 | 55.2 |
| 1944 | 35.9 | 36.8 | 38.2 | 49.9 | 68.6 | 76.6 | 77.4 | 79.0 | 68.6 | 58.8 | 46.8 | 29.8 | 55.5 |
| 1945 | 32.6 | 34.7 | 51.0 | 54.2 | 61.3 | 68.4 | 76.7 | 78.6 | 69.4 | 57.0 | 45.2 | 25.7 | 54.6 |
| 1946 | 33.6 | 41.9 | 54.6 | 59.6 | 61.2 | 77.3 | 80.9 | 77.0 | 68.0 | 59.6 | 44.2 | 36.8 | 57.9 |
| Normal | 29.2 | 32.4 | 44.0 | 55.2 | 64.8 | 74.7 | 80.2 | 78.5 | 70.5 | 58.1 | 44.0 | 32.2 | 55.3 |

OTTAWA, FRANKLIN COUNTY

| | | | | | | | | | | | | | |
|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|------|
| 1895 | .... | .... | .... | .... | .... | 73.6 | 76.9 | 75.8 | 73.3 | 52.6 ^c | 42.8 | 33.6 | .... |
| 1896 | 33.0 | 39.2 | .... | 63.6 ^c | 69.0 | 72.2 | 76.1 | 77.2 | 65.2 | 53.4 | 39.7 | 39.4 | .... |
| 1897 | 28.0 | 34.2 | 44.1 | 55.2 | 62.8 | 74.3 | 79.0 | 74.3 | 73.9 | 61.8 | 43.6 | 29.4 | 55.0 |
| 1898 | 26.6 | 36.4 | 44.2 | 52.5 | 63.5 | 74.4 | 75.3 | 74.8 | 69.5 | 52.6 | 38.2 | 27.3 | 53.5 |
| 1899 | 29.4 | 19.3 | 36.3 | 53.8 | 68.0 | 74.6 | 75.7 | 79.4 | 67.2 | 63.0 | 49.4 | 30.7 | 53.9 |
| 1900 | 35.4 | 25.4 | 41.4 | 55.0 | 66.4 | 73.1 | 76.4 | 79.2 | 70.8 | 60.6 | 41.5 | 33.4 | 54.9 |
| 1901 | .... | 28.0 | 43.0 | 54.5 | .... | 78.8 | 85.4 | 78.0 | 67.7 | 60.2 | 44.4 | 29.0 | .... |
| 1902 | 29.2 | 22.4 | 45.6 | 53.6 | 69.2 | 70.6 | 76.6 | 75.8 | 62.4 | 58.6 | 48.1 | 29.2 | 53.4 |
| 1903 | 31.6 | 29.0 | 45.0 | 55.6 | 63.6 | 66.5 | 77.3 | 73.6 | 65.8 | 56.1 | 41.0 | 32.0 | 53.1 |
| 1904 | 28.2 | 30.6 | 45.0 | 49.2 | 62.0 | 70.5 | 74.6 | 73.6 | 70.4 | 58.2 | 45.8 | 32.6 | 53.4 |
| 1905 | 21.6 | 20.8 | 51.0 | 55.6 | 64.5 | 75.8 | 73.6 | 77.0 | 70.2 | 54.4 | 47.0 | 32.2 | 53.6 |
| 1906 | 33.4 | 36.4 | 32.8 | 59.8 | 65.9 | 71.1 | 72.8 | 75.2 | 71.2 | 56.4 | 40.8 | 38.4 | 54.5 |
| 1907 | 32.2 | 33.8 | 54.2 | 48.8 | 58.0 | 71.0 | 77.5 | 76.4 | 68.0 | 55.6 | 42.2 | 36.4 | 54.5 |
| 1908 | 33.7 | 36.0 | 48.2 | 55.9 | 63.4 | 71.0 | 75.1 | 75.6 | 69.4 | 54.8 | 45.5 | 35.8 | 55.4 |
| 1909 | 30.8 | 36.0 | 42.4 | 53.7 | 62.0 | 73.0 | 76.4 | 78.2 | 68.4 | 56.2 | 50.4 | 22.2 | 54.1 |
| 1910 | 29.8 | 28.3 | 56.2 | 56.4 | 59.0 | 69.4 | 79.1 | 75.2 | 69.4 | 59.4 | 43.4 | 31.8 | 54.8 |
| 1911 | 34.0 | 38.4 | 47.2 | 54.0 | 68.2 | 80.3 | 79.8 | 78.2 | 75.6 | 56.4 | 39.6 | 35.8 | 57.3 |
| 1912 | 17.8 | 29.4 | 33.6 | 55.8 | 68.0 | 69.5 | 78.8 | 77.6 | 67.5 | 59.2 | 46.1 | 36.0 | 53.3 |
| 1913 | 30.0 | 27.5 | 39.0 | 57.1 | 66.4 | 75.2 | 81.6 | 85.0 | 70.2 | 55.0 | 52.0 | 36.6 | 56.3 |
| 1914 | 37.4 | 28.2 | 44.8 | 54.2 | 66.1 | 79.3 | 83.1 | 78.6 | 71.6 | 58.6 | 48.2 | 23.8 | 56.2 |
| 1915 | 28.8 | 39.1 | 35.1 | 60.7 | 62.0 | 70.0 | 74.6 | 70.0 | 70.1 | 59.6 | 49.0 | 34.8 | 54.5 |
| 1916 | 26.6 | 31.6 | 47.6 | 52.8 | 64.6 | 70.6 | 81.0 | 80.4 | 68.4 | 57.2 | 45.0 | 28.4 | 54.5 |
| 1917 | 32.8 | 30.2 | 44.7 | 53.0 | .... | 72.0 | 79.7 | 73.0 | 67.2 | 50.6 | 46.8 | 25.0 | .... |
| 1918 | 17.1 | 34.6 | 50.2 | 49.9 | 68.6 | 78.4 | 78.1 | 85.8 | .... | 60.7 | 43.8 | 38.0 | .... |
| 1919 | 31.6 | 35.6 | 45.5 | 55.1 | 62.0 | 74.2 | 80.6 | 76.9 | 72.4 | 57.0 | 41.4 | 27.0 | 54.9 |
| 1920 | 30.1 | 35.6 | 47.8 | 49.9 | 63.9 | 72.2 | 76.4 | 72.4 | 69.4 | 60.4 | 39.7 | 35.8 | 54.5 |
| 1921 | 36.6 | 40.0 | 51.4 | 54.8 | 65.7 | 74.8 | 79.2 | 77.0 | 73.6 | 59.9 | 44.6 | 35.4 | 57.8 |
| 1922 | 29.9 ^d | 34.5 | 43.8 | 55.8 | 66.0 | 75.5 | 76.8 ^b | 78.8 | 71.6 | 58.5 | 46.6 | 34.1 | 56.0 |
| 1923 | 39.4 | 30.1 | 40.8 | 53.9 | 61.6 | 73.5 | 77.6 | 76.8 | 68.7 | 52.3 | 44.1 | 37.8 | 54.7 |
| 1924 | 24.2 | 34.8 | 37.4 | 55.6 | 58.6 | 73.6 | 73.6 | 77.6 | 64.7 | 61.0 | 46.6 | 26.4 | 52.9 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

OTTAWA, FRANKLIN COUNTY - Continued.

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1925 | 26.6 | 38.0 | 47.6 | 60.4 | 60.5 | 76.2 | 78.6 | 76.6 | 73.8 | 49.2 | 42.0 | 32.0 | 55.1 |
| 1926 | 33.0 | 39.4 | 42.2 | 50.8 | 68.3 | 72.6 | 79.2 | 78.7 | 69.7 | 58.4 | 41.2 | 33.8 | 55.6 |
| 1927 | 31.2 | 40.0 | 44.3 | 58.2 | 64.7 | 71.0 | 75.6 | 70.2 | 69.6 | 60.3 | 45.2 | 27.6 | 54.8 |
| 1928 | 32.3 | 37.1 | 47.9 | 52.0 | 66.2 | 67.8 | 77.1 | 76.6 | 65.6 | 60.6 | 45.4 | 37.1 | 55.5 |
| 1929 | 23.4 | 25.8 | 48.8 | 57.4 | 61.6 | 72.0 | 77.8 | 77.8 | 68.2 | 39.4 | 39.0 | 34.3 | 53.8 |
| 1930 | 16.9 | 46.8 | 43.8 | 60.2 | 63.6 | 72.2 | 81.2 | 80.0 | 72.4 | 55.6 | 46.1 | 34.6 | 56.1 |
| 1931 | 36.4 | 41.4 | 40.2 | 54.3 | 60.9 | 77.4 | 80.8 | 75.4 | 77.7 | 61.4 | 50.2 | 41.3 | 58.1 |
| 1932 | 32.4 | 43.0 | 37.1 | 58.4 | 65.3 | 75.0 | 80.4 | 78.6 | 68.0 | 56.0 | 39.4 | 29.0 | 55.2 |
| 1933 | 39.5 | 31.0 | 45.8 | 55.3 | 65.3 | 79.1 | 79.9 | 75.0 | 74.1 | 56.8 | 47.6 | 39.2 | 57.4 |
| 1934 | 36.0 | 35.1 | 42.9 | 57.2 | 68.6 | 80.4 | 87.2 | 85.2 | 66.4 | 61.8 | 47.8 | 32.0 | 58.4 |
| 1935 | 32.4 | 37.9 | 51.7 | 52.2 | 60.0 | 70.2 | 84.0 | 78.2 | 67.6 | 56.0 | 40.9 | 31.4 | 55.2 |
| 1936 | 22.9 | 20.7 | 48.5 | 54.7 | 68.8 | 77.7 | 87.2 | 87.8 | 74.0 | 56.8 | 44.8 | 39.0 | 56.9 |
| 1937 | 24.2 | 32.2 | 40.1 | 55.2 | 67.4 | 75.4 | 83.0 | 84.4 | 71.6 | 57.8 | 40.7 | 32.0 | 55.3 |
| 1938 | 34.1 | 38.6 | 53.8 | 56.5 | 64.6 | 73.7 | 80.1 | 83.0 | 71.3 | 64.9 | 45.2 | 36.4 | 58.5 |
| 1939 | 38.8 | 32.0 | 46.9 | 53.7 | 69.2 | 76.1 | 85.6 | 77.6 | 77.8 | 62.8 | 44.6 | 39.2 | 58.7 |
| 1940 | 14.4 | 33.8 | 45.1 | 54.6 | 63.4 | 73.8 | 80.6 | 76.0 | 69.0 | 64.3 | 41.1 | 37.4 | 54.5 |
| 1941 | 33.8 | 33.6 | 40.8 | 58.7 | 69.4 | 73.0 | 79.4 | 79.2 | 70.6 | 59.6 | 44.5 | 39.4 | 56.8 |
| 1942 | 32.1 | 33.9 | 45.5 | 59.8 | 63.6 | 72.9 | 80.2 | 75.4 | 66.6 | 57.8 | 46.6 | 31.9 | 55.5 |
| 1943 | 28.6 | 38.8 | 38.8 | 57.6 | 61.6 | 75.2 | 79.2 | 80.2 | 65.4 | 55.8 | 42.4 | 30.8 | 54.5 |
| 1944 | 35.0 | 37.8 | 40.6 | 51.2 | 68.4 | 75.1 | 77.0 | 76.8 | 69.0 | 59.6 | 48.0 | 29.1 | 55.6 |
| 1945 | 31.4 | 35.0 | 51.4 | 54.0 | 61.0 | 69.2 | 75.0 | 77.0 | 70.2 | 56.9 | 46.4 | 25.6 | 54.4 |
| 1946 | 34.0 | 42.4 | 55.6 | 59.9 | 61.7 | 75.3 | 80.6 | 77.5 | 67.8 | 60.8 | 45.8 | 39.5 | 58.4 |
| Normal | 30.1 | 33.2 | 44.6 | 55.0 | 64.6 | 73.7 | 79.0 | 77.7 | 69.9 | 58.0 | 44.5 | 33.2 | 55.3 |

TOPEKA, SHAWNEE COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1887 | .... | .... | .... | .... | .... | 75.0 | 79.4 | 74.5 | 68.4 | 52.8 | 42.2 | 28.2 | .... |
| 1888 | 17.0 | 33.5 | 37.2 | 56.7 | 60.0 | 72.0 | 79.0 | 73.4 | 65.8 | 53.9 | 38.8 | 33.8 | 51.8 |
| 1889 | 28.7 | 26.8 | 44.9 | 54.8 | 63.0 | 69.2 | 75.0 | 72.2 | 63.2 | 52.9 | 37.4 | 45.1 | 52.8 |
| 1890 | 25.8 | 32.5 | 37.8 | 56.0 | 62.5 | 75.8 | 80.9 | 74.8 | 64.0 | 55.6 | 44.6 | 36.5 | 53.9 |
| 1891 | 31.4 | 29.8 | 35.0 | 56.8 | 60.7 | 71.2 | 72.0 | 73.0 | 70.7 | 55.8 | 39.5 | 38.8 | 52.9 |
| 1892 | 24.0 | 37.2 | 38.5 | 52.5 | 59.6 | 74.8 | 76.8 | 76.0 | 70.5 | 59.3 | 41.7 | 26.4 | 53.1 |
| 1893 | 24.2 | 28.8 | 41.3 | 55.8 | 62.0 | 73.3 | 78.8 | 73.4 | 71.2 | 58.7 | 42.6 | 36.6 | 53.9 |
| 1894 | 29.8 | 28.1 | 48.6 | 58.5 | 65.6 | 74.8 | 76.9 | 78.6 | 69.9 | 59.9 | 43.4 | 38.0 | 56.0 |
| 1895 | 25.5 | 26.5 | 43.9 | 60.3 | 66.6 | 73.3 | 75.0 | 75.8 | 73.1 | 53.8 | 42.8 | 33.4 | 54.2 |
| 1896 | 32.4 | 37.4 | 39.6 | 62.8 | 69.8 | 73.0 | 78.2 | 78.1 | 65.4 | 55.8 | 40.2 | 41.0 | 56.1 |
| 1897 | 28.4 | 33.1 | 43.4 | 55.0 | 64.1 | 75.0 | 79.8 | 74.8 | 75.3 | 63.0 | 43.5 | 28.2 | 55.4 |
| 1898 | 31.7 | 35.9 | 43.8 | 53.0 | 63.4 | 75.6 | 76.7 | 77.6 | 71.3 | 53.6 | 39.4 | 27.5 | 54.1 |
| 1899 | 30.6 | 18.9 | 34.6 | 53.6 | 67.8 | 73.9 | 76.0 | 79.5 | 67.8 | 63.0 | 49.8 | 30.3 | 53.8 |
| 1900 | 34.1 | 25.0 | 41.0 | 57.4 | 66.3 | 74.2 | 77.3 | 80.3 | 70.6 | 62.8 | 41.6 | 35.7 | 55.5 |
| 1901 | 33.3 | 26.3 | 42.2 | 53.4 | 63.5 | 78.0 | 86.6 | 78.6 | 68.4 | 60.8 | 44.2 | 28.7 | 55.3 |
| 1902 | 30.3 | 22.2 | 45.2 | 53.9 | 68.9 | 69.8 | 77.0 | 76.2 | 63.0 | 59.6 | 47.1 | 27.9 | 53.4 |
| 1903 | 31.2 | 27.8 | 44.0 | 55.1 | 63.5 | 68.2 | 77.6 | 74.2 | 66.0 | 57.0 | 40.8 | 31.9 | 53.1 |
| 1904 | 26.6 | 28.6 | 43.4 | 49.1 | 62.2 | 71.0 | 75.0 | 74.4 | 70.6 | 59.0 | 47.0 | 31.8 | 53.2 |
| 1905 | 20.0 | 20.4 | 51.0 | 54.0 | 64.0 | 75.6 | 74.1 | 78.4 | 70.6 | 54.6 | 45.8 | 33.7 | 53.5 |
| 1906 | 34.2 | 35.1 | 32.0 | 59.4 | 65.6 | 73.0 | 74.8 | 76.8 | 71.2 | 55.6 | 41.1 | 35.4 | 54.5 |
| 1907 | 30.0 | 32.6 | 51.7 | 47.2 | 58.6 | 71.7 | 78.7 | 77.2 | 68.6 | 56.8 | 43.1 | 35.8 | 54.3 |
| 1908 | 34.0 | 35.2 | 48.2 | 55.9 | 63.4 | 71.8 | 76.0 | 75.8 | 70.6 | 55.0 | 45.2 | 36.2 | 55.6 |
| 1909 | 28.2 | 35.6 | 41.5 | 52.1 | 63.2 | 73.8 | 78.0 | 79.8 | 68.8 | 56.6 | 49.8 | 21.2 | 54.0 |
| 1910 | 28.8 | 28.2 | 57.2 | 56.8 | 59.2 | 71.6 | 79.4 | 74.6 | 69.0 | 60.0 | 43.4 | 31.4 | 55.0 |
| 1911 | 32.5 | 35.6 | 46.3 | 53.6 | 68.1 | 80.8 | 78.8 | 77.2 | 73.6 | 55.0 | 38.5 | 34.0 | 56.2 |
| 1912 | 17.4 | 28.6 | 31.6 | 55.1 | 68.4 | 70.0 | 79.9 | 78.6 | 66.9 | 58.5 | 46.5 | 36.2 | 53.1 |
| 1913 | 28.8 | 26.8 | 38.6 | 57.0 | 65.8 | 74.4 | 81.8 | 85.0 | 68.8 | 53.6 | 50.0 | 36.0 | 55.6 |
| 1914 | 35.8 | 27.2 | 43.0 | 54.4 | 65.2 | 78.2 | 80.2 | 77.6 | 70.9 | 58.6 | 49.0 | 22.8 | 55.2 |
| 1915 | 27.8 | 37.0 | 33.6 | 61.0 | 61.5 | 69.8 | 74.0 | 69.8 | 69.0 | 60.0 | 49.2 | 34.0 | 53.9 |
| 1916 | 24.8 | 29.4 | 45.9 | 52.0 | 64.9 | 70.2 | 81.9 | 79.9 | 68.2 | 57.4 | 45.6 | 28.6 | 54.1 |
| 1917 | 31.2 | 29.8 | 44.0 | 51.9 | 57.9 | 72.6 | 80.4 | 72.8 | 68.1 | 49.7 | 47.6 | 23.8 | 52.5 |
| 1918 | 17.2 | 33.8 | 49.8 | 49.4 | 69.1 | 79.4 | 78.0 | 83.4 | 63.2 | 60.6 | 44.0 | 37.6 | 55.5 |
| 1919 | 32.6 | 33.4 | 44.2 | 53.4 | 62.6 | 74.0 | 81.6 | 76.8 | 72.1 | 55.0 | 40.3 | 25.3 | 54.3 |
| 1920 | 30.0 | 33.8 | 45.6 | 47.8 | 63.1 | 73.0 | 76.8 | 72.6 | 69.8 | 60.8 | 40.4 | 34.8 | 54.0 |
| 1921 | 36.6 | 39.8 | 49.6 | 55.3 | 66.2 | 76.2 | 79.8 | 77.6 | 73.4 | 60.2 | 43.8 | 34.4 | 57.7 |
| 1922 | 28.8 | 32.8 | 44.2 | 55.8 | 66.0 | 76.4 | 76.4 | 72.0 | 72.0 | 59.6 | 47.0 | 32.8 | 55.9 |
| 1923 | 38.6 | 30.4 | 39.4 | 54.2 | 62.1 | 74.0 | 79.0 | 76.9 | 69.8 | 52.8 | 45.7 | 37.7 | 55.0 |
| 1924 | 24.6 | 34.6 | 37.4 | 56.2 | 58.8 | 73.0 | 75.2 | 78.0 | 64.4 | 62.2 | 46.2 | 24.4 | 52.9 |
| 1925 | 26.5 | 37.7 | 46.6 | 60.3 | 62.2 | 76.8 | 78.6 | 78.0 | 74.3 | 47.2 | 43.1 | 31.8 | 55.3 |
| 1926 | 31.2 | 39.3 | 40.3 | 49.5 | 67.6 | 72.3 | 79.0 | 79.1 | 68.1 | 57.7 | 40.0 | 31.0 | 54.6 |
| 1927 | 30.6 | 38.6 | 44.2 | 57.2 | 64.4 | 70.7 | 76.6 | 70.9 | 70.4 | 61.9 | 44.6 | 27.0 | 54.8 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

TOPEKA, SHAWNEE COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1928 | 33.4 | 36.5 | 47.8 | 51.6 | 66.9 | 68.8 | 78.3 | 77.4 | 66.8 | 60.0 | 44.0 | 36.6 | 55.7 |
| 1929 | 21.0 | 23.4 | 48.0 | 57.2 | 61.2 | 72.4 | 79.0 | 78.4 | 67.6 | 58.6 | 37.5 | 33.9 | 53.2 |
| 1930 | 16.8 | 46.6 | 43.2 | 60.1 | 63.8 | 72.4 | 82.4 | 80.0 | 71.6 | 55.5 | 46.2 | 34.1 | 56.1 |
| 1931 | 37.2 | 41.2 | 39.4 | 54.5 | 61.0 | 78.2 | 80.7 | 74.8 | 77.2 | 61.4 | 49.1 | 41.0 | 58.0 |
| 1932 | 30.3 | 41.6 | 35.8 | 57.3 | 66.0 | 75.5 | 80.8 | 78.6 | 68.0 | 54.6 | 39.1 | 29.0 | 54.7 |
| 1933 | 41.4 | 31.2 | 44.2 | 55.6 | 65.3 | 81.8 | 81.2 | 76.2 | 74.4 | 57.0 | 46.6 | 38.4 | 57.8 |
| 1934 | 35.1 | 34.4 | 42.2 | 57.6 | 70.4 | 82.4 | 88.1 | 83.6 | 65.0 | 62.9 | 47.7 | 31.0 | 58.4 |
| 1935 | 32.2 | 36.7 | 51.0 | 52.4 | 59.4 | 71.2 | 87.0 | 80.0 | 69.1 | 56.2 | 40.8 | 32.2 | 55.7 |
| 1936 | 21.2 | 19.4 | 49.0 | 54.4 | 69.8 | 78.4 | 88.4 | 87.4 | 73.2 | 56.0 | 43.1 | 37.8 | 56.5 |
| 1937 | 22.2 | 30.4 | 39.4 | 54.4 | 67.8 | 76.2 | 82.6 | 84.3 | 72.0 | 57.3 | 40.1 | 30.7 | 54.8 |
| 1938 | 32.1 | 37.2 | 51.6 | 56.3 | 64.8 | 74.8 | 82.2 | 83.9 | 72.8 | 66.2 | 44.0 | 36.4 | 58.5 |
| 1939 | 38.5 | 28.8 | 45.6 | 54.2 | 70.6 | 76.2 | 85.8 | 77.8 | 77.0 | 62.2 | 44.9 | 39.7 | 58.4 |
| 1940 | 13.8 | 31.8 | 43.2 | 54.3 | 64.4 | 75.2 | 82.6 | 76.4 | 70.2 | 65.2 | 40.1 | 36.2 | 54.4 |
| 1941 | 31.8 | 32.2 | 40.4 | 58.6 | 70.4 | 74.6 | 81.2 | 79.8 | 71.3 | 59.5 | 45.7 | 39.0 | 57.0 |
| 1942 | 31.0 | 32.4 | 44.4 | 60.2 | 63.7 | 74.2 | 82.1 | 77.2 | 67.5 | 59.3 | 46.2 | 30.4 | 55.7 |
| 1943 | 28.1 | 39.2 | 38.8 | 57.9 | 62.2 | 76.7 | 81.6 | 82.6 | 66.7 | 56.4 | 41.9 | 30.2 | 55.2 |
| 1944 | 36.2 | 36.4 | 38.6 | 50.2 | 69.1 | 77.0 | 79.0 | 77.6 | 70.5 | 60.8 | 46.4 | 29.0 | 55.9 |
| 1945 | 31.4 | 34.8 | 51.8 | 53.6 | 61.0 | 68.9 | 78.0 | 79.6 | 69.9 | 57.6 | 46.1 | 25.4 | 54.8 |
| 1946 | 33.4 | 42.7 | 55.4 | 59.8 | 62.0 | 76.5 | 81.6 | 77.4 | 68.4 | 60.6 | 45.2 | 38.4 | 58.4 |
| Normal | 29.4 | 32.1 | 43.7 | 54.7 | 64.6 | 74.3 | 79.7 | 78.1 | 70.0 | 58.2 | 44.3 | 32.6 | 55.1 |

TORONTO, WOODSON COUNTY

(Record prior to April, 1897, taken at Yates Center, near, 5 miles northeast of Toronto.)

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1880 | .... | .... | .... | .... | .... | .... | 76.5 | 76.1 | 64.2 | 50.8 | 25.7 | 24.0 | .... |
| 1881 | 16.6 | 24.2 | 35.7 | 52.2 | 67.9 | 77.2 | 79.6 | 82.3 | 70.4 | 57.9 | 37.2 | 37.2 | 53.2 |
| 1882 | 30.5 | 39.6 | 46.5 | 56.6 | 56.8 | 74.6 | 73.6 | 73.3 | 68.9 | 55.4 | 40.9 | 29.7 | 53.9 |
| 1883 | 19.3 | 27.2 | 39.0 | 56.6 | 61.8 | 71.3 | 76.6 | 73.8 | 64.0 | 54.6 | 45.0 | 33.9 | 51.9 |
| 1884 | 19.5 | 27.7 | 41.8 | 45.6 | 61.8 | 70.6 | 78.7 | 73.5 | 73.9 | 58.8 | 39.5 | 22.8 | 51.2 |
| 1885 | 17.4 | 21.1 | 40.4 | 54.7 | 62.0 | 73.1 | 78.2 | 74.1 | 65.8 | 50.5 | 48.2 | 32.4 | 51.5 |
| 1886 | 15.8 | 31.0 | 40.5 | 53.7 | 68.9 | 70.4 | 79.0 | 76.5 | 69.8 | 57.7 | 38.8 | 25.5 | 52.3 |
| 1887 | 23.5 | 32.1 | 44.2 | 56.7 | 67.6 | 72.0 | 79.0 | 73.6 | 64.4 | 52.4 | 39.7 | 28.2 | 52.8 |
| 1888 | 20.9 | 34.7 | 40.1 | 57.6 | 61.9 | 73.9 | 76.6 | 74.1 | 65.4 | 53.4 | 39.4 | 35.0 | 52.8 |
| 1889 | 31.5 | 29.1 | 43.8 | 55.8 | 63.6 | 69.4 | 76.6 | 72.9 | 64.0 | 54.8 | 37.9 | 46.0 | 53.8 |
| 1890 | 30.1 | 34.9 | 39.2 | 56.1 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1891 | .... | .... | .... | .... | .... | .... | 75.0 | 75.5 | 72.0 | 56.8 | 40.8 | 39.7 | .... |
| 1892 | 25.6 | 38.0 | 38.6 | 54.2 | 62.4 | 73.9 | 75.8 | 76.8 | 69.0 | .... | .... | .... | .... |
| 1893 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1895 | 25.0 | 24.8 | 43.2 | 60.4 | 65.6 | 74.0 | .... | .... | 71.2 | 51.8 | 41.9 | 33.0 | .... |
| 1896 | 32.4 | 36.2 | 40.7 | 62.6 | 70.3 | 73.1 | 77.6 | 78.0 | 67.4 | 55.2 | 41.1 | 38.4 | 56.1 |
| 1897 | 28.6 | 34.8 | 45.2 | 56.0 | 64.0 | 75.9 | 80.2 | 77.0 | 74.4 | 63.6 | 44.8 | 30.8 | 56.3 |
| 1898 | 34.6 | 38.5 | 45.2 | 53.0 | 65.2 | 75.6 | 77.2 | 77.2 | 77.2 | 55.4 | 41.4 | 30.5 | 55.5 |
| 1899 | 31.9 | 20.6 | 40.0 | 53.7 | 67.2 | .... | 76.3 | .... | .... | 62.4 | 50.7 | 33.2 | .... |
| 1900 | .... | .... | .... | 57.3 | 65.1 | 75.2 | 77.2 | 82.3 | 72.7 | 62.2 | 44.3 | 36.2 | .... |
| 1901 | 33.3 | 29.5 | 43.5 | 52.8 | 64.4 | 77.5 | 85.4 | 80.0 | 69.2 | 60.6 | 43.2 | 29.0 | 55.7 |
| 1902 | 29.0 | 23.1 | 45.3 | 54.4 | 69.6 | 71.7 | 77.0 | 78.0 | 63.4 | 59.0 | 48.8 | 28.8 | 54.0 |
| 1903 | 30.6 | 28.0 | 44.2 | 55.8 | 63.4 | 67.6 | 78.0 | 75.2 | 67.0 | 57.8 | 42.4 | 34.1 | 53.7 |
| 1904 | 30.7 | 34.6 | 48.4 | 50.1 | 62.9 | 70.4 | 75.7 | 73.8 | 70.4 | 58.5 | 45.8 | 31.0 | 54.4 |
| 1905 | 19.4 | 19.3 | 50.2 | 55.5 | 64.8 | 76.0 | 75.4 | 78.2 | 71.0 | 55.0 | 46.8 | 30.1 | 53.5 |
| 1906 | 32.8 | 34.1 | 32.2 | 58.0 | 67.3 | 71.2 | 73.6 | 76.3 | 72.0 | 57.1 | 42.6 | 38.4 | 54.6 |
| 1907 | 36.0 | 35.4 | 54.0 | 49.9 | 58.6 | 72.7 | 79.7 | 80.4 | 72.4 | 58.9 | 46.2 | 39.0 | 56.9 |
| 1908 | 37.3 | 38.8 | 51.0 | 56.9 | 65.9 | 73.8 | 77.0 | 78.5 | 70.8 | 57.3 | 47.2 | 38.6 | 57.8 |
| 1909 | 31.6 | 37.0 | 45.2 | 55.5 | 64.2 | 75.0 | 79.2 | 81.4 | 72.8 | 58.5 | 52.2 | 25.4 | 56.5 |
| 1910 | 34.7 | 31.8 | .... | 57.7 | 61.5 | 72.0 | 81.4 | 77.8 | 72.0 | 61.8 | 46.0 | 33.1 | .... |
| 1911 | 36.0 | 38.2 | 48.2 | 55.6 | 69.0 | 82.4 | 79.6 | 77.4 | 76.4 | 59.2 | 40.9 | 36.0 | 58.2 |
| 1912 | 21.3 | 31.2 | 35.5 | 57.6 | 68.8 | 70.1 | 80.6 | 80.9 | 69.2 | 59.0 | 46.2 | 36.8 | 54.8 |
| 1913 | 31.5 | 28.6 | 40.6 | 59.4 | 68.0 | 75.6 | 82.6 | 85.2 | 70.6 | 55.6 | 50.8 | 36.8 | 57.1 |
| 1914 | 37.2 | 30.8 | 46.2 | 55.8 | 66.3 | 79.8 | 80.3 | 79.4 | 73.1 | 59.1 | 48.6 | 26.2 | 56.9 |
| 1915 | 30.2 | 38.8 | 34.2 | 60.4 | 62.4 | 70.8 | 74.4 | 70.6 | 71.5 | 58.8 | 49.2 | 35.6 | 54.7 |
| 1916 | 30.0 | 32.6 | 47.8 | 51.7 | 66.6 | 71.3 | 82.1 | 81.9 | 68.9 | 60.4 | 47.2 | 30.4 | 55.9 |
| 1917 | 33.2 | 31.8 | 45.2 | 55.8 | 58.6 | 73.4 | 81.0 | 74.8 | 69.6 | .... | .... | 27.0 | .... |
| 1918 | 17.7 | 36.8 | 51.5 | .... | 69.0 | 79.5 | 79.8 | 85.2 | 65.1 | 62.8 | 46.2 | 38.6 | .... |
| 1919 | 32.4 | 35.9 | 47.1 | 55.2 | 63.3 | 74.8 | 80.3 | 78.8 | 72.6 | 58.4 | 43.2 | 27.6 | 55.8 |
| 1920 | 31.1 | 37.1 | 46.4 | 51.8 | 65.4 | 73.1 | 77.4 | 73.9 | 71.1 | 61.0 | 41.1 | 37.4 | 55.6 |
| 1921 | 39.0 | 42.4 | 51.9 | 55.7 | 67.6 | 75.8 | 81.6 | .... | 76.4 | 59.4 | 45.2 | 36.4 | .... |
| 1922 | 30.3 | 37.6 | 45.8 | 57.7 | 66.8 | 76.2 | 77.4 | 80.2 | 73.8 | 60.1 | 48.3 | 35.6 | 57.5 |
| 1923 | 41.2 | 32.8 | 43.4 | 56.8 | 63.3 | 75.4 | 80.0 | 82.0 | 72.4 | 55.2 | 47.4 | 39.8 | 57.5 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

TORONTO, WOODSON COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------------------|-------------------|------|------|------|------|------|-------------------|-------------------|------|-------------------|--------|
| 1924 | 28.0 | 37.4 | 39.4 | 57.4 | 60.3 | 76.0 | 75.4 | 79.0 | 67.5 | 63.6 | 49.0 | 28.8 | 55.2 |
| 1925 | 26.7 | 41.4 | 51.8 | 61.9 | 64.6 | 78.5 | 80.6 | 79.2 | 76.2 | 51.2 | 45.3 | 34.6 | 57.7 |
| 1926 | 35.1 | 42.4 | 43.2 | 51.0 | 67.3 | 73.0 | 78.4 | 79.7 | 71.2 | 60.2 | 43.0 | 35.5 | 56.7 |
| 1927 | 33.4 | 42.0 | 46.6 | 60.6 | 66.4 | 72.4 | 77.8 | 72.7 | 71.0 | 62.3 | 48.2 | 31.6 | 57.1 |
| 1928 | 35.2 | 40.3 | 50.2 | 54.0 | 67.6 | 70.0 | 78.6 | 79.8 | 68.5 | 63.8 | 46.0 | 39.2 | 57.8 |
| 1929 | 28.0 | 29.0 | 50.2 | 59.6 | 63.2 | 73.2 | 78.6 | 80.2 | 70.2 | 60.4 | 40.2 | 36.6 | 55.8 |
| 1930 | 18.1 | 47.8 | 45.2 | 62.2 | 64.7 | 72.4 | 82.4 | 81.4 | 73.6 | 57.4 | 47.0 | 36.0 | 57.4 |
| 1931 | 37.8 | 43.6 | 42.2 | 55.4 | 61.8 | 77.3 | 80.4 | 77.4 | 80.2 | 65.8 | 51.9 | 43.6 | 59.8 |
| 1932 | 36.4 | 46.2 | 40.0 | 55.0 | ... | 74.6 | 82.3 | 81.2 | 72.1 | 58.2 | 41.0 | 31.6 | ... |
| 1933 | 41.4 | 32.7 | 48.2 | 58.0 | 66.7 | 79.8 | 81.6 | 77.6 | 76.0 | 59.0 | 51.6 | 42.0 | 59.6 |
| 1934 | 37.8 | 37.2 | 44.0 | 58.5 | 68.4 | 81.0 | 87.6 | 87.0 | 67.7 | 63.8 | 50.8 | 34.8 | 59.9 |
| 1935 | 36.1 ^a | 40.3 | 53.2 | 53.6 | 62.4 | 70.9 | 83.8 | 80.9 | 70.6 | 59.4 | 42.0 | 34.3 | 57.3 |
| 1936 | 28.9 | 26.0 | 51.3 | 56.8 | 68.2 | 79.8 | 86.6 | 88.6 | 78.4 ^b | 59.2 | 44.3 | 40.8 | 59.1 |
| 1937 | 26.3 | 34.9 | 41.4 | 55.8 | 67.0 | 76.2 | 80.8 | 82.4 | 71.2 | 58.8 | 42.4 | 32.4 ^a | 55.8 |
| 1938 | 35.8 | 40.1 | 54.6 | 59.1 | 65.1 | 74.5 | 81.0 | 84.2 | 73.7 | 65.8 | 45.4 | 38.7 ^b | 59.4 |
| 1939 | 39.6 | 34.0 | 49.0 | 55.2 | 69.0 | 75.7 | 84.5 | 79.1 | 77.6 | 63.6 | 44.6 | 40.4 | 59.8 |
| 1940 | 14.4 | 35.6 | 46.8 | 56.0 | 65.2 | 74.9 | 81.0 | 77.2 | 70.7 | 65.1 | 42.2 | 40.1 | 55.8 |
| 1941 | 36.4 | 35.6 | 41.8 | 60.2 | 70.5 | 73.9 | 81.0 | 80.2 | 72.6 | 62.6 ^a | 47.2 | 42.3 | 58.7 |
| 1942 | 33.6 | 36.2 | 47.7 | 61.4 | 65.0 | 74.2 | 79.6 | 77.6 | 68.9 | 62.2 | 49.3 | 35.8 | 57.5 |
| 1943 | 31.6 | 41.9 | 40.8 | 60.6 | 63.8 | 76.7 | 80.8 | 84.2 | 68.1 | 57.4 | 45.6 | 33.0 | 57.0 |
| 1944 | 37.0 | 40.8 | 43.4 ^a | 53.4 | 69.0 | 76.6 | 79.2 | 80.3 | 71.8 | 62.3 | 50.4 | 32.3 | 58.0 |
| 1945 | 34.3 | 38.0 ^a | 53.0 | 55.6 | 62.2 | 71.5 | 76.7 | 77.8 | 71.4 | 58.7 | 47.7 | 28.0 | 56.2 |
| 1946 | 36.0 | 44.4 | 56.2 | 61.6 | 62.2 | 76.0 | 83.0 | 79.6 | 68.0 ^a | 62.0 | 46.2 | 41.0 | 59.7 |
| Normal | 31.9 | 35.2 | 45.8 | 56.3 | 65.4 | 74.7 | 79.8 | 79.4 | 71.8 | 59.9 | 46.0 | 34.9 | 56.8 |

KANSAS CITY, MISSOURI

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1889 | 31.2 | 28.5 | 45.4 | 55.5 | 63.3 | 70.8 | 77.0 | 74.3 | 64.6 | 54.8 | 40.0 | 46.4 | 54.3 |
| 1890 | 30.2 | 34.0 | 38.3 | 37.0 | 63.6 | 77.0 | 80.5 | 73.7 | 63.2 | 56.2 | 46.4 | 37.4 | 54.8 |
| 1891 | 34.0 | 30.2 | 33.9 | 56.9 | 60.8 | 71.4 | 72.4 | 73.5 | 71.6 | 56.7 | 39.0 | 39.6 | 53.3 |
| 1892 | 25.6 | 36.8 | 37.6 | 52.5 | 59.8 | 74.0 | 75.9 | 76.6 | 70.1 | 59.0 | 40.4 | 27.2 | 53.0 |
| 1893 | 22.0 | 26.9 | 40.2 | 53.8 | 61.6 | 72.8 | 77.6 | 73.2 | 71.4 | 58.8 | 41.0 | 35.4 | 52.9 |
| 1894 | 29.6 | 27.2 | 47.8 | 57.3 | 64.9 | 75.0 | 76.8 | 78.3 | 69.1 | 59.4 | 42.2 | 37.8 | 55.4 |
| 1895 | 24.0 | 24.9 | 42.2 | 59.6 | 65.4 | 73.0 | 74.2 | 75.3 | 73.2 | 53.4 | 41.1 | 32.6 | 53.2 |
| 1896 | 31.4 | 35.8 | 38.4 | 61.4 | 69.6 | 72.2 | 77.4 | 77.4 | 64.8 | 55.0 | 40.5 | 40.4 | 55.4 |
| 1897 | 27.4 | 32.9 | 42.2 | 54.7 | 64.5 | 75.1 | 80.4 | 75.0 | 76.8 | 63.8 | 43.9 | 28.0 | 55.4 |
| 1898 | 32.4 | 35.4 | 45.0 | 53.3 | 64.6 | 76.0 | 77.3 | 77.2 | 71.4 | 53.4 | 40.3 | 27.4 | 54.5 |
| 1899 | 30.9 | 19.4 | 35.0 | 53.9 | 67.6 | 74.4 | 76.2 | 79.4 | 68.2 | 64.2 | 50.4 | 30.2 | 54.2 |
| 1900 | 34.6 | 25.2 | 40.8 | 58.0 | 66.7 | 73.8 | 77.2 | 80.2 | 71.0 | 69.6 | 42.2 | 35.8 | 55.8 |
| 1901 | 34.7 | 26.7 | 42.2 | 53.9 | 63.8 | 79.2 | 87.1 | 79.3 | 68.8 | 61.8 | 44.8 | 28.4 | 55.9 |
| 1902 | 30.8 | 23.4 | 44.8 | 54.0 | 69.4 | 70.4 | 77.6 | 76.2 | 67.0 | 58.0 | 49.0 | 29.0 | 54.1 |
| 1903 | 31.6 | 28.5 | 45.4 | 55.6 | 64.5 | 69.0 | 78.6 | 75.0 | 67.0 | 68.2 | 41.2 | 31.9 | 53.9 |
| 1904 | 26.8 | 29.0 | 43.6 | 49.0 | 63.2 | 71.0 | 75.0 | 74.3 | 70.8 | 59.4 | 48.6 | 32.6 | 53.6 |
| 1905 | 21.0 | 21.2 | 50.8 | 55.0 | 65.0 | 76.0 | 74.4 | 78.4 | 70.8 | 55.4 | 46.8 | 34.1 | 54.1 |
| 1906 | 34.2 | 33.8 | 31.9 | 59.9 | 66.9 | 73.5 | 75.5 | 77.6 | 72.3 | 56.6 | 41.8 | 35.7 | 55.0 |
| 1907 | 31.1 | 33.4 | 52.1 | 47.7 | 58.6 | 72.0 | 78.5 | 76.6 | 68.7 | 56.9 | 44.4 | 36.2 | 54.7 |
| 1908 | 34.2 | 34.4 | 47.6 | 55.9 | 64.3 | 71.3 | 76.3 | 75.6 | 71.9 | 55.7 | 46.0 | 37.4 | 55.9 |
| 1909 | 29.5 | 37.0 | 42.4 | 52.6 | 62.9 | 73.4 | 77.8 | 80.6 | 68.8 | 57.3 | 52.0 | 22.2 | 54.7 |
| 1910 | 30.6 | 28.2 | 58.2 | 56.0 | 59.8 | 71.4 | 78.9 | 75.2 | 68.6 | 61.2 | 43.8 | 32.0 | 55.3 |
| 1911 | 32.8 | 36.0 | 46.8 | 53.6 | 68.6 | 80.8 | 79.3 | 78.0 | 73.4 | 55.4 | 39.0 | 35.8 | 56.6 |
| 1912 | 16.7 | 27.8 | 32.0 | 55.4 | 68.8 | 70.2 | 79.8 | 77.2 | 67.4 | 59.9 | 47.2 | 36.7 | 53.3 |
| 1913 | 30.1 | 28.2 | 39.4 | 57.2 | 66.0 | 75.8 | 81.6 | 85.4 | 69.1 | 54.6 | 51.5 | 37.8 | 56.4 |
| 1914 | 36.4 | 26.8 | 43.2 | 55.2 | 66.8 | 78.4 | 80.8 | 78.0 | 70.4 | 60.0 | 50.2 | 24.2 | 55.9 |
| 1915 | 28.6 | 38.2 | 34.7 | 62.2 | 62.4 | 70.0 | 74.6 | 70.1 | 70.0 | 62.0 | 50.0 | 34.8 | 54.8 |
| 1916 | 27.4 | 30.2 | 45.8 | 52.6 | 65.4 | 70.5 | 83.3 | 78.9 | 67.8 | 57.4 | 46.9 | 29.9 | 54.7 |
| 1917 | 31.0 | 29.4 | 44.2 | 52.0 | 58.8 | 72.7 | 79.9 | 73.6 | 68.8 | 50.4 | 47.7 | 23.4 | 52.7 |
| 1918 | 17.4 | 34.0 | 50.8 | 49.3 | 69.1 | 80.0 | 78.8 | 83.8 | 63.8 | 61.4 | 45.6 | 39.4 | 56.1 |
| 1919 | 34.4 | 34.2 | 45.3 | 54.4 | 62.8 | 75.2 | 81.8 | 76.6 | 62.4 | 56.6 | 41.3 | 25.9 | 55.1 |
| 1920 | 29.2 | 34.1 | 45.3 | 48.0 | 63.3 | 73.2 | 76.8 | 73.7 | 70.6 | 62.4 | 41.4 | 35.8 | 54.5 |
| 1921 | 37.3 | 40.7 | 50.9 | 55.9 | 67.0 | 77.0 | 81.1 | 77.0 | 73.2 | 60.1 | 44.8 | 35.9 | 58.4 |
| 1922 | 29.7 | 33.3 | 45.0 | 55.8 | 66.8 | 77.2 | 76.9 | 78.7 | 72.0 | 60.6 | 47.8 | 34.7 | 56.5 |
| 1923 | 39.0 | 30.2 | 39.4 | 54.1 | 63.0 | 74.1 | 79.3 | 77.3 | 69.2 | 53.6 | 47.0 | 39.0 | 55.4 |
| 1924 | 25.4 | 34.6 | 37.8 | 56.8 | 58.7 | 72.4 | 74.6 | 78.2 | 65.0 | 63.6 | 46.7 | 25.8 | 53.3 |
| 1925 | 29.3 | 38.0 | 46.6 | 60.2 | 62.0 | 76.5 | 78.3 | 78.2 | 74.5 | 47.6 | 44.4 | 31.8 | 55.6 |
| 1926 | 32.4 | 39.2 | 39.8 | 49.3 | 68.6 | 72.2 | 78.9 | 79.0 | 68.0 | 57.5 | 40.4 | 31.7 | 54.8 |
| 1927 | 30.8 | 40.3 | 45.5 | 57.0 | 64.3 | 70.4 | 77.0 | 71.4 | 71.6 | 62.7 | 45.2 | 28.1 | 55.4 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

EASTERN DIVISION

KANSAS CITY, MISSOURI - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1928 | 33.6 | 37.2 | 47.4 | 51.4 | 67.8 | 68.3 | 78.4 | 77.2 | 66.7 | 60.8 | 45.2 | 36.6 | 55.9 |
| 1929 | 21.0 | 24.0 | 48.2 | 57.0 | 61.2 | 72.4 | 79.0 | 78.2 | 67.8 | 58.8 | 38.6 | 34.8 | 53.4 |
| 1930 | 18.6 | 46.2 | 43.6 | 60.4 | 63.9 | 73.4 | 82.8 | 80.2 | 72.4 | 56.4 | 47.4 | 35.2 | 56.7 |
| 1931 | 38.2 | 42.2 | 39.2 | 55.3 | 62.0 | 79.7 | 81.7 | 76.0 | 77.5 | 62.5 | 50.6 | 42.5 | 59.0 |
| 1932 | 32.8 | 42.0 | 36.4 | 57.8 | 67.0 | 76.5 | 81.4 | 79.2 | 69.0 | 55.8 | 40.1 | 30.0 | 55.7 |
| 1933 | 42.4 | 32.1 | 44.2 | 55.1 | 65.4 | 81.8 | 80.9 | 76.2 | 75.7 | 58.0 | 47.2 | 39.0 | 58.2 |
| 1934 | 35.3 | 33.4 | 41.8 | 57.7 | 71.0 | 83.2 | 88.4 | 83.0 | 65.8 | 63.0 | 48.0 | 31.1 | 58.5 |
| 1935 | 32.4 | 36.8 | 51.2 | 52.2 | 59.8 | 71.6 | 86.8 | 80.3 | 70.2 | 56.2 | 41.5 | 32.2 | 55.9 |
| 1936 | 21.7 | 19.6 | 48.9 | 54.3 | 70.9 | 78.4 | 87.8 | 87.0 | 73.6 | 57.2 | 42.4 | 38.8 | 56.7 |
| 1937 | 23.0 | 31.2 | 39.8 | 54.0 | 67.2 | 75.8 | 81.4 | 83.8 | 72.0 | 57.0 | 39.8 | 31.2 | 54.7 |
| 1938 | 32.0 | 38.1 | 52.1 | 56.4 | 65.2 | 74.0 | 82.4 | 83.0 | 72.3 | 66.4 | 45.2 | 36.1 | 58.6 |
| 1939 | 38.5 | 29.4 | 45.9 | 53.9 | 70.1 | 76.0 | 84.7 | 77.0 | 76.7 | 62.1 | 43.8 | 39.4 | 58.1 |
| 1940 | 12.8 | 32.8 | 42.7 | 54.0 | 63.6 | 74.7 | 81.6 | 76.3 | 70.0 | 65.4 | 40.8 | 37.2 | 54.3 |
| 1941 | 32.2 | 31.8 | 40.6 | 59.0 | 70.5 | 74.8 | 80.0 | 79.5 | 72.4 | 60.4 | 46.2 | 40.0 | 57.3 |
| 1942 | 31.5 | 32.2 | 44.9 | 60.5 | 64.2 | 74.2 | 81.5 | 76.8 | 67.7 | 59.0 | 46.8 | 30.9 | 55.8 |
| 1943 | 28.3 | 38.6 | 39.0 | 57.2 | 62.6 | 76.6 | 81.4 | 81.0 | 66.3 | 56.6 | 41.6 | 30.6 | 55.0 |
| 1944 | 36.0 | 35.6 | 39.2 | 50.3 | 69.5 | 77.0 | 78.8 | 76.5 | 70.4 | 61.2 | 46.9 | 28.2 | 55.8 |
| 1945 | 30.6 | 35.0 | 51.8 | 54.4 | 60.8 | 68.9 | 77.4 | 79.7 | 69.8 | 57.2 | 46.2 | 25.8 | 54.8 |
| 1946 | 33.0 | 41.8 | 55.6 | 60.5 | 68.2 | 76.2 | 81.2 | 77.0 | 69.3 | 62.2 | 46.4 | 38.6 | 58.7 |
| Normal | 30.1 | 32.1 | 44.0 | 55.0 | 65.1 | 74.5 | 79.8 | 78.1 | 70.2 | 58.9 | 45.2 | 33.3 | 55.5 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

ALTON, OSBORNE COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual | |
|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|------|
| 1902 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 25.3 | .... |
| 1903 | 31.2 | 25.6 | 41.2 | 54.8 | 62.0 | 67.3 | 77.8 | 74.2 | 65.9 | 56.6 | 41.2 | 33.3 | 52.6 | .... |
| 1904 | 27.7 | 30.0 | 46.6 | 49.8 | 62.0 | 69.0 | 76.2 | 74.2 | 68.3 | 58.8 | 44.4 | 30.5 | 53.1 | .... |
| 1905 | 19.4 | 20.7 | 49.4 | 50.8 | .... | 74.6 | 74.0 | 78.5 | 71.8 | 52.8 | 45.1 | 31.8 | .... | .... |
| 1906 | 33.4 | 36.0 | 32.7 | 57.0 | 64.8 | 70.9 | 73.2 | 78.2 | 69.8 | 53.0 | 41.6 | 35.2 | 53.8 | .... |
| 1907 | 25.0 | 32.0 | 50.4 | 47.7 | 57.6 | 73.2 | 80.2 | 80.8 | 69.2 | 54.6 | 41.6 | .... | .... | .... |
| 1908 | .... | .... | .... | 56.5 | .... | 71.9 | 76.4 | 75.2 | 72.2 | 54.6 | 41.6 | .... | .... | .... |
| 1909 | 26.6 | 34.6 | 40.9 | 51.6 | 62.2 | 73.0 | 78.4 | 81.6 | 68.4 | 55.2 | 45.4 | 17.3 | 52.9 | .... |
| 1910 | 24.2 | 30.0 | 54.4 | 57.4 | 59.2 | 72.8 | 78.8 | 76.0 | 70.8 | 60.6 | 41.6 | .... | .... | .... |
| 1911 | 32.0 | 34.7 | 49.4 | 54.6 | 67.0 | 81.5 | 80.0 | 76.6 | 74.4 | 52.8 | 37.2 | 27.9 | 55.7 | .... |
| 1912 | 15.8 | 32.4 | 29.6 | 54.3 | 65.9 | 68.8 | 80.6 | 76.7 | 66.2 | 56.6 | 43.6 | 33.7 | 52.0 | .... |
| 1913 | 27.0 | 25.0 | 38.8 | 57.0 | 66.0 | 75.1 | 84.2 | 85.7 | 68.7 | 53.8 | 47.3 | 34.4 | 55.2 | .... |
| 1914 | 36.5 | 28.4 | 41.4 | 55.6 | 64.1 | 78.0 | 80.8 | 79.2 | 73.1 | 57.6 | 45.2 | 18.8 | 54.9 | .... |
| 1915 | 27.8 | 35.4 | 30.0 | 59.4 | 59.6 | 67.6 | 72.4 | 69.4 | 67.9 | 58.2 | 46.2 | 32.6 | 52.2 | .... |
| 1916 | 22.0 | 29.4 | 47.1 | 50.8 | 62.9 | 68.8 | 82.6 | 80.5 | 68.0 | 56.6 | 41.1 | 24.4 | 52.8 | .... |
| 1917 | 28.6 | 30.3 | 41.9 | 51.0 | 57.0 | 73.9 | 82.8 | .... | .... | .... | 47.2 | 25.6 | .... | .... |
| 1918 | 18.2 | 35.2 | 47.6 | 47.9 | .... | 78.7 | 78.2 | 81.6 | 63.0 | 60.0 | 42.0 | 34.4 | .... | .... |
| 1919 | 32.4 | 31.8 | 42.9 | 50.7 | 60.4 | 71.8 | 80.3 | 77.4 | 72.9 | 51.6 | 37.4 | 25.2 | 52.9 | .... |
| 1920 | 31.2 | 34.8 | 43.6 | 46.1 | 61.0 | 72.4 | 76.6 | 72.0 | 69.0 | 59.7 | 38.4 | 32.4 | 53.1 | .... |
| 1921 | 35.3 | 38.6 | 48.5 | 54.5 | 65.8 | 74.9 | 79.3 | 79.1 | 73.4 | 58.9 | 40.7 | 33.4 | 56.9 | .... |
| 1922 | 26.0 | 30.0 ^b | .... | 54.1 ^f | 64.0 ^d | 74.0 | 77.4 | 82.2 | 74.2 | 59.4 | 44.4 | 32.4 | .... | .... |
| 1923 | 36.2 | 29.8 | .... | 54.1 ^b | 60.5 | 73.4 | 80.4 ^a | 78.2 | 70.0 | 52.2 | 44.7 | 35.0 | 54.5 | .... |
| 1924 | 21.6 | 34.9 | 33.6 | 54.9 ^b | 57.8 | 74.8 ^d | 77.4 ^b | 81.2 ^a | 67.4 ^c | 61.0 ^d | 43.3 ^b | 21.4 | .... | .... |
| 1925 | 23.2 | 38.6 ^a | 47.7 ^b | 59.7 ^a | 62.7 ^a | 79.2 ^b | 81.6 | 78.0 | 74.2 | 47.6 ^a | 41.4 | 32.6 | 55.5 | .... |
| 1926 | 32.6 | 39.4 | 41.0 | 50.5 | 68.0 | 73.7 | 80.2 | 80.6 | 69.4 | 58.8 | 38.6 | 30.8 | 55.3 | .... |
| 1927 | 30.3 | 36.2 | 41.7 | 55.2 ^d | 65.6 ^d | 71.6 | 78.4 | 72.5 | 70.0 | 60.0 | 42.2 | 22.6 | 53.9 | .... |
| 1928 | 32.2 | 34.2 | 44.6 | 50.8 | 65.1 | 66.4 | 77.0 | 76.2 | 66.6 | 57.4 | 41.0 | 34.5 | 53.8 | .... |
| 1929 | 22.7 | 22.2 | 45.2 | 55.1 | 60.9 | 71.1 | 79.4 | 80.4 | 66.0 | 55.3 | 34.6 | 32.6 | 52.1 | .... |
| 1930 | 17.4 ^a | 45.2 | 41.3 | 57.0 | 62.2 | 71.2 | 82.6 | 80.4 | 69.8 | 55.0 | 44.0 | 32.3 | 54.9 | .... |
| 1931 | 35.0 | 40.2 | 38.0 | 52.4 | 59.6 | 79.2 | 81.0 | 77.1 | 78.8 | 61.6 | 44.0 | 38.2 | 57.1 | .... |
| 1932 | 22.1 | 33.2 | 35.4 | 57.1 | 65.6 ^f | 73.8 | 83.8 | 80.4 | 68.2 | 54.8 | 40.2 | 26.3 | 53.4 | .... |
| 1933 | 38.2 | 30.5 | 45.2 | 52.8 | 62.4 | 82.6 | 82.3 | 77.0 | 75.2 | 57.4 | 46.0 | 37.2 | 57.2 | .... |
| 1934 | 35.4 | 34.6 | 44.0 | 56.9 | 71.4 | 80.8 | 89.3 | 83.6 | 64.4 | 63.4 | 46.7 | 31.0 | 58.5 | .... |
| 1935 | 34.0 | 38.8 | 50.8 | 53.0 ^f | 58.6 ^b | 70.2 | 86.1 | 81.0 | 66.8 | 52.6 ^b | 39.1 | 34.0 | 55.4 | .... |
| 1936 | 25.6 | 19.5 | 47.0 | 53.7 | 68.0 | 79.2 | 88.4 | 86.0 | 73.5 | 56.0 | 43.4 | 36.7 | 56.4 | .... |
| 1937 | 19.0 | 32.9 ^c | 41.9 ^b | 54.2 | 66.8 | 74.9 | .... | 85.8 ^f | 72.6 | 56.4 | 40.4 | 31.2 | .... | .... |
| 1938 | 32.8 | .... | 47.7 ^a | 52.1 ^c | 58.8 | 71.2 ^c | 81.3 | 83.2 | 72.2 | 64.8 | 40.8 | 33.6 | .... | .... |
| 1939 | .... | .... | .... | 54.7 | 69.2 | 75.6 | 84.8 | 78.6 | 76.0 ^a | 59.3 | 44.0 | 37.0 | .... | .... |
| 1940 | 12.2 | 31.3 | 44.0 | 55.0 | 63.6 | 76.0 | 83.6 | 76.2 | 72.0 | 62.5 | 38.0 | 33.5 | 54.0 | .... |
| 1941 | 29.2 | 32.6 | .... | 52.8 ^j | 64.9 | 70.8 | 79.1 | 79.1 | 70.2 | 56.0 | 43.0 | 34.6 | .... | .... |
| 1942 | 27.0 | 30.6 | 43.2 | 56.7 | 62.2 | 71.4 | 80.3 | 77.0 | 65.1 | 56.6 | 42.8 | 28.8 | 53.5 | .... |
| 1943 | 28.2 | 39.4 | 38.3 | 56.6 | 59.4 | 74.2 | 79.6 | 83.3 | 66.8 | 55.2 | 41.6 | 31.2 | 54.5 | .... |
| 1944 | 34.0 | 33.5 | 36.5 | 47.5 | 65.2 | 74.0 | 77.0 | 78.0 | 68.6 | 57.7 | 43.6 | 30.4 | 53.8 | .... |
| 1945 | 33.6 | 35.4 | 52.2 | 50.6 | 60.4 | 64.8 | 76.8 | 79.4 | 70.1 | 56.6 | 44.0 | 23.8 | 53.9 | .... |
| 1946 | 33.0 ^a | 39.6 | 51.0 | 58.8 | 57.8 | 76.0 | 79.3 | 76.9 | 67.1 | 57.0 | 41.8 | 36.8 ^a | 56.3 | .... |
| Normal | 27.6 | 32.4 | 43.0 | 53.8 | 63.1 | 73.6 | 80.2 | 78.8 | 70.1 | 56.9 | 42.3 | 31.0 | 54.4 | .... |

Note: - Monthly temperatures are computed by obtaining the average of the mean maximum and mean minimum temperatures, except in case of some of the early records where they were computed by adding the averages of the 7 a. m., 2 p. m., and twice the 9 p. m. temperatures, and dividing by four.

Reference marks, a, b, c, etc., appearing in the tables indicate number of days missing; for example, b represents two days, etc.

Normals for all stations are computed for the 45-year period, 1898 through 1942.

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

BURR OAK, JEWELL COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------------------|-------------------|------|------|------|-------------------|-------------------|-------------------|--------|
| 1901 | .... | 24.2 | 39.8 | 51.4 | 61.6 | 76.4 | 85.0 | 78.6 | 67.8 | 58.4 | 42.2 | 28.2 | .... |
| 1902 | 26.6 | 21.8 | 44.2 | 53.8 | 66.8 | 68.7 | 74.4 | 75.6 | 62.2 | 57.0 | 41.4 | 22.6 | 51.3 |
| 1903 | 28.4 | 22.9 | 39.3 | 53.4 | 60.4 | 65.5 | 75.8 | 72.2 | 64.1 | 55.8 | 39.0 | 30.6 | 50.6 |
| 1904 | 25.4 | 26.2 | 41.8 | 48.0 | 61.0 | 67.6 | 73.0 | 72.5 | 66.2 | 56.4 | 43.0 | 27.8 | 50.7 |
| 1905 | 16.0 | 16.6 | 46.8 | 49.7 | 60.4 | 72.4 | 72.1 | 76.2 | 68.6 | 51.0 | 42.8 | 30.6 | 50.3 |
| 1906 | 32.0 | 32.8 | 29.0 | 55.9 | 63.0 | 69.5 | 72.2 | 75.6 | 67.6 | 51.6 | 39.0 | 32.4 | 51.7 |
| 1907 | 23.4 | 31.4 | 46.9 | 44.8 | 57.0 | 70.8 | 77.6 | 77.7 | 67.2 | 54.2 | 39.4 | 29.2 | 51.6 |
| 1908 | 32.6 | 32.0 | 44.2 | 53.8 | 60.6 | 69.2 | 73.9 | 72.3 | 68.8 | 52.6 | 40.5 | 32.2 | 52.7 |
| 1909 | 24.2 | 31.6 | 38.0 | 49.2 | 60.6 | 71.6 | 76.5 | 79.2 | 66.5 | 53.8 | 43.7 | 15.7 | 50.9 |
| 1910 | 22.9 | 27.0 | 53.0 | 55.6 | 57.6 | 70.6 | 76.8 | 72.7 | 67.5 | 58.0 | 40.4 | 29.8 | 52.7 |
| 1911 | 29.5 | 33.2 | 46.5 | 51.8 | 65.0 | 79.4 | 77.6 | 73.8 | 71.8 | 52.2 | 35.3 | 27.9 | 53.7 |
| 1912 | 13.0 | 29.0 | 28.5 | 53.1 | 65.1 | 67.9 | 79.0 | 74.6 | 63.9 | 55.3 | 43.3 | 33.2 | 50.5 |
| 1913 | 24.6 | 24.2 | 37.2 | 54.8 | 64.2 | 73.8 | 81.8 | 82.9 | 66.6 | 51.6 | 46.8 | 33.4 | 53.5 |
| 1914 | 34.4 | 25.6 | 39.6 | 53.4 | 63.4 | 76.4 | 80.4 | 78.0 | 70.8 | 57.0 | 45.0 | 17.2 | 53.4 |
| 1915 | 23.7 | 33.1 | 28.0 | 58.2 | 59.4 | 67.2 | 72.1 | 69.0 | 67.1 | 56.7 | 44.6 | 30.8 | 50.8 |
| 1916 | 19.4 | 27.9 | 45.0 | 49.3 | 62.4 | 68.3 | 81.0 | 77.6 | 66.2 | 55.4 | 40.7 | 22.4 | 51.3 |
| 1917 | 26.8 | 28.1 | 40.1 | 50.4 | 56.7 | 72.4 | 80.7 | 72.6 | 68.2 | 48.4 | 45.8 | 22.8 | 51.1 |
| 1918 | 15.0 | 30.2 | 46.2 | 46.5 | 66.0 | 76.5 | 77.2 | 80.0 | 61.6 | 58.4 | 40.8 | 33.8 | 52.7 |
| 1919 | 31.7 | 29.4 | 41.0 | 50.3 | 60.5 | 71.8 | 80.4 | 76.5 | 70.5 | 50.4 | 35.4 | 22.6 | 51.7 |
| 1920 | 28.7 | 32.6 | 43.2 | 44.6 | 60.0 | 72.2 | 77.2 | 71.6 | 68.6 | 59.6 | 37.0 | 29.8 | 52.1 |
| 1921 | 34.4 | 38.3 | 47.4 | 54.2 | 65.3 | 74.8 | 78.3 | 78.2 | 71.4 | .... | 40.2 | 32.8 | .... |
| 1922 | 24.4 | 28.6 | 41.0 | 53.0 | 63.4 | 75.4 | 75.4 | 80.4 | 73.2 | 57.8 | 43.1 | 30.2 | 53.8 |
| 1923 | 33.9 | 27.7 | 36.2 | 51.8 | 60.1 | 72.2 | 79.0 | 75.5 | 68.0 | 50.4 | 42.0 | 33.6 | 52.5 |
| 1924 | 19.7 | 32.2 | 33.2 | 54.0 | 56.2 | 72.0 | 75.6 | 78.6 | 64.2 | 60.4 | 42.3 | 20.0 | 50.7 |
| 1925 | 21.0 | 36.9 | 46.0 | 59.7 | 60.9 | 77.0 | 79.6 | 76.4 | 72.1 | 44.9 | 39.9 | 31.0 | 53.8 |
| 1926 | 30.2 | 38.4 | 38.7 | 48.2 | 67.4 | 71.4 | 80.2 | 79.8 | 67.6 | 57.4 | 37.0 | 28.0 | 53.7 |
| 1927 | 29.0 | 34.6 | 40.6 | 53.5 | 63.5 | 70.8 | 76.6 | 71.3 | 69.2 | 58.8 | 40.2 | 20.6 | 52.4 |
| 1928 | 30.4 | 33.8 | 44.0 | 50.4 | 64.7 | 65.3 | 76.5 | 76.4 | 66.0 | 56.2 | 40.6 | 32.2 | 53.0 |
| 1929 | 20.5 | 20.8 | 43.6 | 52.4 | 57.6 | 70.8 | 79.4 | 79.2 | 65.2 | 54.5 | 33.6 | 30.2 ^d | 50.6 |
| 1930 | 14.3 | 43.6 | 40.1 | 55.6 | 61.3 | 70.6 | 80.3 | 79.0 | 68.9 | 52.4 | 43.0 | 31.0 | 53.6 |
| 1931 | 33.4 | 38.6 | 36.0 | 51.4 | 58.9 | 78.5 | 81.2 | 76.0 | 77.0 | 59.6 | 41.6 | 35.8 | 55.7 |
| 1932 | 18.8 | 31.0 | 33.2 | 55.6 | 64.6 | 73.0 | 82.6 | 77.8 | 66.2 | 52.3 | 37.4 | 23.2 | 51.3 |
| 1933 | 35.6 | 28.2 | 42.3 | 52.0 | 60.7 | 81.2 | 80.3 | 75.0 | 73.2 | 55.0 | 44.2 | 34.8 | 55.2 |
| 1934 | 32.4 | 31.4 | 40.7 | 55.8 | 71.1 | 80.2 | 88.6 | 82.3 | 63.2 | 62.8 | 44.8 | 29.0 | 56.9 |
| 1935 | 29.6 | 36.4 | 48.0 | 50.5 | 56.5 | 69.4 | 85.4 | 79.4 | 66.8 | 52.4 | 37.6 ^a | 31.8 | 56.3 |
| 1936 | 21.2 | 15.2 | 45.3 | 51.2 | 66.6 | 77.6 | 87.0 | 85.0 | 71.6 | 53.1 | 40.2 | 32.8 | 53.9 |
| 1937 | 13.5 | 27.8 | 37.3 | 52.6 | 64.8 | 74.0 ^b | 81.6 | 84.2 | 70.8 | 54.4 | 38.8 | 29.0 | 52.4 |
| 1938 | 30.6 | 31.5 | 46.8 | 53.6 | 60.6 | 72.4 | 81.0 | 81.0 | 70.4 | 63.0 | 39.4 | 33.0 | 55.3 |
| 1939 | 34.0 | 25.0 | 40.7 | 52.1 | 67.8 ^b | 73.3 | 83.0 | 76.6 | 73.3 | 57.7 | 42.3 | 36.0 | 55.2 |
| 1940 | 11.2 | 27.8 | 41.4 | 51.4 | 61.5 | 73.6 | 83.2 | 75.6 | 71.5 | 63.4 | 37.6 | 34.8 ^b | 52.8 |
| 1941 | .... | 30.4 | 36.8 | 54.8 | 66.9 | 72.4 | 79.0 | 78.0 | 68.2 | 54.6 | 42.6 | 33.6 | .... |
| 1942 | 26.6 | 28.6 | 40.6 | 55.7 | 60.2 | 70.6 | 78.6 | 75.2 | 63.0 | 55.4 | 40.6 | 26.8 | 51.8 |
| 1943 | 24.8 | 35.8 | 35.6 | 55.2 | 57.6 | 72.6 | 78.6 | 81.4 | 65.2 | 52.4 | 38.3 | 27.6 | 52.1 |
| 1944 | 30.6 | 30.6 | 32.4 | 44.5 | 64.2 | 72.2 | 76.0 | 75.5 | 65.6 | 55.0 | 39.9 | 27.3 | 51.2 |
| 1945 | 29.6 | 31.6 | 46.0 | 48.0 | 57.7 | 64.0 | 74.7 | 76.4 | 65.3 | 53.8 ^a | 40.6 | 20.9 | 50.7 |
| 1946 | 28.4 | 37.4 | 49.5 | 56.9 | 55.9 | 74.6 | 77.0 | 73.8 | 64.4 | 54.8 | 39.0 | 31.2 | 53.6 |
| Normal | 25.6 | 29.7 | 40.9 | 52.3 | 62.2 | 72.5 | 79.0 | 76.9 | 68.0 | 55.4 | 40.8 | 29.1 | 52.7 |

CONCORDIA, GLOUD COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1885 | .... | .... | .... | .... | 59.8 | 71.6 | 75.4 | 72.0 | 66.8 | 51.4 | 42.4 | 33.6 | .... |
| 1886 | 11.1 | 31.5 | 35.6 | 51.8 | 67.0 | 71.4 | 78.0 | 77.0 | 69.4 | 60.0 | 37.7 | 25.0 | 51.3 |
| 1887 | 22.0 | 24.1 | 42.9 | 55.6 | 66.6 | 73.0 | 78.3 | 73.8 | 67.5 | 52.8 | 41.6 | 27.2 | 52.1 |
| 1888 | 15.0 | 33.4 | 34.2 | 56.4 | 59.6 | 73.0 | 80.7 | 74.1 | 66.2 | 53.2 | 40.2 | 36.2 | 51.8 |
| 1889 | 29.0 | 26.2 | 44.1 | 55.6 | 62.4 | 70.5 | 75.7 | 74.0 | 64.0 | 53.1 | 36.6 | 42.0 | 52.8 |
| 1890 | 21.0 | 29.4 | 38.0 | 55.6 | 62.8 | 75.6 | 82.3 | 73.8 | 64.9 | 54.2 | 44.6 | 36.4 | 53.2 |
| 1891 | 31.6 | 27.6 | 33.1 | 56.8 | 60.8 | 70.0 | 72.8 | 74.4 | 70.6 | 54.6 | 39.2 | 27.7 | 52.4 |
| 1892 | 24.4 | 34.0 | 37.8 | 51.3 | 55.8 | 73.2 | 76.8 | 75.7 | 70.1 | 57.7 | 41.3 | 34.9 | 51.9 |
| 1893 | 27.0 | 27.4 | 39.8 | 53.6 | 60.8 | 74.0 | 78.6 | 73.4 | 70.4 | 57.2 | 39.4 | 35.6 | 53.0 |
| 1894 | 27.1 | 24.8 | 46.8 | 57.3 | 64.0 | 73.2 | 77.1 | 78.4 | 68.4 | 58.0 | 41.4 | 35.4 | 54.2 |
| 1895 | 23.5 | 24.8 | 41.4 | 59.4 | 66.2 | 72.2 | 76.2 | 76.0 | 73.4 | 52.4 | 40.5 | 33.3 | 53.3 |
| 1896 | 32.5 | 37.4 | 36.2 | 61.0 | 67.5 | 73.0 | 76.9 | 76.2 | 64.4 | 53.4 | 34.4 | 40.5 | 54.4 |
| 1897 | 28.0 | 30.8 | 41.0 | 53.0 | 63.2 | 74.2 | 79.7 | 74.5 | 75.3 | 60.4 | 40.3 | 27.5 | 54.0 |
| 1898 | 30.8 | 34.4 | 41.7 | 52.9 | 62.2 | 75.0 | 77.2 | 79.4 | 70.0 | 52.8 | 37.0 | 25.7 | 53.3 |
| 1899 | 29.0 | 16.8 | 32.8 | 53.9 | 66.3 | 73.4 | 75.8 | 79.8 | 69.0 | 61.5 | 48.7 | 30.4 | 53.1 |
| 1900 | 34.2 | 25.2 | 40.7 | 55.9 | 65.6 | 75.2 | 79.0 | 81.6 | 69.8 | 61.6 | 39.5 | 35.0 | 55.3 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

CONCORDIA, CLOUD COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1901 | 30.2 | 25.0 | 39.7 | 52.0 | 62.2 | 76.6 | 85.8 | 79.0 | 67.4 | 59.8 | 43.8 | 29.6 | 54.3 |
| 1902 | 28.6 | 23.6 | 45.6 | 54.1 | 67.8 | 69.0 | 76.2 | 76.6 | 63.0 | 58.8 | 44.2 | 25.0 | 52.7 |
| 1903 | 30.7 | 24.2 | 41.0 | 54.2 | 61.7 | 67.4 | 77.1 | 74.2 | 65.6 | 56.8 | 40.4 | 33.0 | 52.2 |
| 1904 | 26.4 | 27.8 | 43.4 | 49.0 | 61.8 | 69.2 | 75.0 | 74.2 | 69.1 | 58.5 | 45.7 | 29.5 | 52.5 |
| 1905 | 18.1 | 19.4 | 49.6 | 51.6 | 62.3 | 74.2 | 73.8 | 79.3 | 70.9 | 52.4 | 44.8 | 33.4 | 52.5 |
| 1906 | 33.8 | 34.4 | 30.0 | 56.9 | 64.4 | 71.8 | 73.8 | 77.6 | 69.4 | 53.2 | 40.2 | 34.2 | 53.3 |
| 1907 | 25.8 | 32.4 | 49.6 | 46.2 | 57.8 | 72.5 | 79.3 | 78.2 | 68.6 | 55.8 | 42.0 | 32.2 | 53.4 |
| 1908 | 34.6 | 34.1 | 46.1 | 55.2 | 61.8 | 70.6 | 74.6 | 74.4 | 70.1 | 54.0 | 43.6 | 34.9 | 54.5 |
| 1909 | 25.0 | 33.8 | 39.9 | 49.6 | 61.4 | 72.8 | 77.9 | 79.8 | 67.7 | 55.8 | 46.5 | 18.3 | 52.4 |
| 1910 | 25.5 | 28.0 | 55.6 | 56.7 | 58.2 | 71.6 | 79.0 | 73.6 | 68.2 | 59.4 | 41.4 | 31.2 | 54.0 |
| 1911 | 30.6 | 34.3 | 46.8 | 52.8 | 66.3 | 80.4 | 78.9 | 75.8 | 72.6 | 53.0 | 37.4 | 30.5 | 55.0 |
| 1912 | 16.0 | 29.2 | 30.2 | 54.1 | 66.6 | 69.6 | 80.4 | 77.2 | 65.8 | 56.9 | 46.2 | 35.6 | 52.3 |
| 1913 | 27.0 | 25.4 | 38.6 | 56.2 | 65.8 | 75.2 | 83.2 | 85.0 | 68.0 | 53.4 | 48.7 | 35.0 | 55.1 |
| 1914 | 36.2 | 26.6 | 41.3 | 54.2 | 64.4 | 78.6 | 82.1 | 79.3 | 72.4 | 58.6 | 47.5 | 19.9 | 55.1 |
| 1915 | 26.5 | 35.1 | 30.6 | 59.6 | 60.0 | 68.3 | 73.7 | 70.1 | 68.6 | 58.4 | 47.0 | 33.4 | 52.6 |
| 1916 | 21.5 | 28.2 | 44.5 | 50.2 | 63.2 | 69.2 | 81.2 | 78.7 | 67.2 | 56.1 | 42.8 | 25.6 | 52.4 |
| 1917 | 28.8 | 28.6 | 41.6 | 51.0 | 57.6 | 72.6 | 81.1 | 72.8 | 68.4 | 49.0 | 47.3 | 23.5 | 51.9 |
| 1918 | 15.3 | 32.6 | 48.4 | 47.6 | 67.8 | 78.9 | 78.2 | 82.5 | 63.2 | 59.6 | 42.9 | 35.0 | 54.3 |
| 1919 | 33.6 | 30.9 | 42.0 | 51.0 | 61.1 | 72.8 | 81.6 | 77.0 | 71.4 | 52.1 | 38.2 | 24.4 | 53.0 |
| 1920 | 30.2 | 33.9 | 44.8 | 45.6 | 61.4 | 73.3 | 77.4 | 72.4 | 69.7 | 60.8 | 38.2 | 32.1 | 53.3 |
| 1921 | 36.2 | 39.6 | 47.6 | 54.6 | 65.8 | 75.8 | 79.2 | 78.9 | 73.8 | 59.4 | 41.1 | 34.3 | 57.2 |
| 1922 | 27.0 | 31.0 | 41.8 | 54.4 | 64.2 | 76.0 | 75.4 | 80.6 | 73.0 | 59.8 | 44.8 | 31.4 | 55.0 |
| 1923 | 37.2 | 30.0 | 37.9 | 53.7 | 60.2 | 73.0 | 78.8 | 76.2 | 69.6 | 51.6 | 44.9 | 35.6 | 54.1 |
| 1924 | 20.8 | 34.2 | 35.2 | 54.6 | 57.4 | 72.4 | 75.4 | 79.5 | 64.4 | 61.5 | 44.8 | 21.7 | 51.8 |
| 1925 | 23.0 | 37.4 | 46.6 | 60.2 | 62.0 | 77.1 | 79.4 | 77.2 | 72.3 | 45.4 | 41.4 | 31.7 | 54.5 |
| 1926 | 31.0 | 39.5 | 39.5 | 49.6 | 67.2 | 72.6 | 79.5 | 80.2 | 67.0 | 57.8 | 38.6 | 30.0 | 54.4 |
| 1927 | 30.0 | 36.4 | 42.2 | 54.6 | 63.1 | 70.4 | 76.5 | 70.4 | 69.0 | 60.2 | 41.9 | 23.8 | 53.2 |
| 1928 | 32.9 | 35.2 | 46.4 | 50.8 | 65.0 | 67.0 | 77.2 | 76.5 | 67.2 | 57.2 | 42.2 | 35.2 | 54.4 |
| 1929 | 20.6 | 22.6 | 46.1 | 55.9 | 60.0 | 71.4 | 78.6 | 78.2 | 65.8 | 56.1 | 35.0 | 32.3 | 51.9 |
| 1930 | 16.4 | 45.2 | 40.4 | 57.4 | 62.2 | 71.7 | 82.0 | 79.6 | 70.2 | 53.8 | 44.8 | 32.4 | 54.7 |
| 1931 | 35.9 | 39.8 | 37.0 | 53.2 | 60.0 | 79.0 | 81.1 | 75.4 | 77.6 | 60.4 | 45.0 | 38.9 | 56.9 |
| 1932 | 23.3 | 35.3 | 34.0 | 56.2 | 65.3 | 74.3 | 81.0 | 77.7 | 66.6 | 53.6 | 39.6 | 26.0 | 52.8 |
| 1933 | 38.6 | 30.4 | 43.0 | 52.8 | 63.0 | 82.0 | 80.6 | 76.4 | 73.0 | 56.2 | 46.3 | 36.9 | 56.6 |
| 1934 | 34.0 | 33.6 | 41.0 | 57.1 | 70.5 | 80.8 | 88.4 | 82.5 | 64.6 | 62.4 | 46.4 | 30.4 | 57.6 |
| 1935 | 30.6 | 37.3 | 48.4 | 51.2 | 57.6 | 69.6 | 84.8 | 79.5 | 69.0 | 53.4 | 38.8 | 32.0 | 54.4 |
| 1936 | 22.0 | 16.8 | 46.3 | 52.1 | 67.8 | 76.8 | 87.2 | 85.2 | 72.0 | 54.2 | 41.7 | 35.3 | 54.8 |
| 1937 | 16.6 | 28.4 | 38.5 | 52.8 | 65.9 | 74.2 | 81.8 | 84.0 | 71.6 | 55.8 | 39.2 | 30.2 | 53.2 |
| 1938 | 31.4 | 33.4 | 48.0 | 53.5 | 61.3 | 72.8 | 81.3 | 82.0 | 72.2 | 65.3 | 41.6 | 34.5 | 56.4 |
| 1939 | 36.9 | 26.6 | 43.0 | 52.8 | 68.6 | 75.0 | 84.0 | 76.8 | 73.7 | 59.3 | 44.3 | 37.2 | 56.5 |
| 1940 | 12.0 | 29.5 | 41.4 | 51.8 | 62.8 | 74.6 | 82.8 | 75.2 | 70.4 | 63.6 | 37.6 | 33.0 | 52.9 |
| 1941 | 29.8 | 29.9 | 38.5 | 55.6 | 67.8 | 73.7 | 80.2 | 79.4 | 70.3 | 56.5 | 43.8 | 36.1 | 55.1 |
| 1942 | 28.8 | 29.8 | 42.5 | 57.4 | 62.0 | 72.5 | 81.2 | 76.6 | 65.2 | 57.2 | 43.4 | 28.6 | 53.8 |
| 1943 | 26.0 | 37.5 | 37.2 | 56.2 | 59.6 | 74.0 | 79.6 | 82.9 | 66.2 | 54.6 | 40.8 | 29.8 | 53.7 |
| 1944 | 34.6 | 34.0 | 34.6 | 47.2 | 66.4 | 75.1 | 77.5 | 77.6 | 67.8 | 58.4 | 43.2 | 29.4 | 53.8 |
| 1945 | 32.0 | 33.8 | 49.4 | 50.7 | 59.4 | 66.4 | 77.0 | 78.2 | 68.0 | 57.0 | 43.6 | 24.6 | 53.3 |
| 1946 | 32.8 | 41.3 | 52.6 | 59.0 | 58.6 | 76.6 | 79.6 | 75.8 | 66.6 | 57.4 | 42.2 | 35.3 | 56.5 |
| Normal | 27.9 | 30.8 | 42.0 | 53.4 | 63.3 | 73.6 | 79.5 | 77.9 | 69.2 | 56.9 | 42.7 | 31.0 | 54.0 |

HATS, ELLIS COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1867 | 44.6 | 41.6 | .... | .... | .... | .... | .... | 81.3 | 72.2 | .... | .... | .... | .... |
| 1868 | 26.7 | 36.1 | 46.8 | 48.6 | 62.9 | 77.5 | 83.9 | 77.2 | 65.1 | 54.9 | 29.9 | 30.0 | 53.3 |
| 1869 | 33.5 | 32.0 | 39.2 | 48.5 | 63.2 | 73.8 | 78.3 | 80.4 | 64.5 | 48.4 | 40.9 | 32.2 | 52.9 |
| 1870 | 32.7 | 40.2 | 37.4 | 55.4 | 67.9 | 75.6 | 82.1 | 73.4 | 66.9 | 50.5 | 46.5 | 27.0 | 54.6 |
| 1871 | 36.7 | 36.5 | 45.8 | 51.8 | 59.2 | 63.4 | 81.4 | 73.9 | 67.2 | 52.0 | 29.4 | 21.8 | 51.6 |
| 1872 | 22.7 | 31.6 | 49.4 | 53.1 | 64.5 | 75.4 | 76.3 | 75.7 | 65.6 | 55.8 | 34.1 | 20.2 | 52.0 |
| 1873 | 23.8 | 38.2 | 45.9 | 45.5 | 61.8 | 75.2 | 77.8 | 78.7 | 64.7 | 51.7 | 43.8 | 25.5 | 52.7 |
| 1874 | 29.0 | 24.4 | 38.6 | 48.4 | 67.6 | 76.7 | 85.2 | 85.7 | 67.7 | 58.0 | 37.5 | 31.9 | 54.1 |
| 1875 | 10.4 | 23.3 | 35.4 | 48.4 | 65.2 | 75.3 | 75.8 | 72.5 | 66.0 | 54.8 | 32.2 | 37.0 | 49.7 |
| 1876 | 30.2 | 36.2 | 30.3 | 54.3 | 62.7 | 72.6 | 80.3 | 78.0 | 66.8 | 52.2 | 36.0 | 29.9 | 51.5 |
| 1877 | 21.3 | 35.8 | 39.4 | 51.0 | 64.0 | 71.3 | 76.3 | 75.3 | 69.7 | 52.0 | 37.7 | 38.0 | 52.6 |
| 1878 | 31.5 | 37.3 | .... | 57.8 | 61.3 | 78.3 | 77.7 | 78.0 | 66.0 | 54.0 | 43.3 | 22.0 | .... |
| 1879 | .... | 30.7 | 47.1 | 60.8 | 69.9 | 78.3 | 90.4 | 83.9 | 62.2 | 48.8 | 40.1 | .... | .... |
| 1880 | .... | 36.6 | .... | 60.3 | .... | 81.3 | 79.9 | 78.7 | 67.1 | 54.7 | 28.0 | 22.5 | .... |
| 1881 | 19.3 | 27.3 | 39.5 | 54.8 | 69.9 | 81.1 | 83.0 | 82.5 | 71.7 | 58.3 | 40.1 | 37.1 | 55.4 |
| 1882 | 31.1 | 39.1 | 49.3 | 53.2 | 60.1 | 77.3 | 76.9 | 76.6 | 70.7 | 57.4 | 40.3 | 30.7 | 55.2 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

HAYS, ELLIS COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|-------------------|-------------------|-------------------|------|------|------|-------------------|------|------|-------------------|-------------------|--------|
| 1883 | 15.9 | 26.1 | 39.9 | 54.3 | 62.7 | 73.1 | 79.0 | 75.1 | 67.0 | 51.1 | 40.7 | 33.5 | 51.5 |
| 1884 | 25.0 | 25.0 | 38.8 | 48.8 | 58.7 | 71.2 | 77.2 | 70.7 | 71.7 | 57.9 | 39.7 | 19.8 | 50.4 |
| 1885 | 14.1 | 23.1 | 40.9 | 54.3 | 59.0 | 69.7 | 74.4 | 72.0 | 64.4 | 50.4 | 42.0 | 34.7 | 49.9 |
| 1886 | 12.7 | 31.8 | 37.0 | 50.6 | 64.2 | 69.7 | 76.0 | 75.9 | 66.8 | 58.5 | 36.5 | 27.6 | 50.6 |
| 1887 | 23.4 | 25.7 | 43.2 | 53.7 | 64.4 | 71.7 | 79.1 | 74.5 | 67.8 | 52.2 | 35.6 | 26.4 | 51.5 |
| 1888 | 19.1 | 35.6 | 34.9 | 55.9 | 59.4 | 75.2 | 80.3 | .... | 66.0 | 53.7 | 38.8 | 37.0 | .... |
| 1889 | 36.7 | 27.6 | 44.8 | 56.3 | 61.4 | 69.3 | 76.6 | 76.5 | 66.5 | 55.2 | 37.0 | 46.5 | 54.5 |
| | | | | | | | | | | | | | |
| 1892 | .... | .... | .... | .... | .... | 63.8 | .... | 70.0 | 70.2 | 60.8 | 41.6 | 28.4 | .... |
| 1893 | 37.0 | .... | 42.9 | 56.1 | 64.0 | 71.7 | 74.1 | 70.2 | 69.5 | 53.8 | 38.5 | 36.4 | .... |
| 1894 | 26.2 | 23.8 | 44.6 | 58.0 | 64.4 | 74.0 | 78.4 | 75.2 | 64.4 | 57.1 | 40.5 | 31.6 | 53.2 |
| 1895 | 20.2 | 21.6 | 41.9 | 54.2 | 62.7 | 69.6 | 72.0 | 72.6 | 70.9 | 51.2 | 37.4 | 30.4 | 50.4 |
| 1896 | 32.4 | 41.6 | 39.3 | 58.7 | 68.2 | 77.2 | 79.4 | 77.8 | 66.3 | 53.8 | 37.6 | 44.4 | 54.7 |
| 1897 | 37.5 | 38.2 | 49.2 | 56.6 | 58.8 | 74.8 | 79.0 | 78.6 | 73.8 | 62.6 | 44.6 | .... | .... |
| 1898 | .... | .... | .... | 51.3 | 59.2 | 72.6 | 77.1 | 78.0 | 67.2 | 52.2 | 37.2 | 28.7 | .... |
| 1899 | 30.0 | 19.8 | 38.0 | 52.2 | 64.6 | 72.2 | 73.6 | 80.0 | 69.6 | 59.8 | 47.4 | 34.2 | 53.4 |
| 1900 | 35.4 | 28.4 | 44.6 | 52.4 | 63.1 | 73.8 | 77.9 | 81.4 | 69.2 | 60.2 | .... | .... | .... |
| 1901 | .... | 24.3 | 39.4 | 50.8 | 60.7 | 76.6 | 85.0 | 79.8 | 67.2 | 57.8 | 42.3 | 32.9 | .... |
| 1902 | 30.2 | 28.6 | 46.2 | 52.8 | 67.2 | 68.7 | 75.2 | 77.6 | 63.3 | 56.6 | 42.4 | 25.1 | 52.8 |
| 1903 | 31.2 | 24.0 | 38.7 | 53.0 | 59.8 | 65.1 | 76.7 | 74.3 | 64.2 | 56.2 | 39.6 | 33.4 | 51.4 |
| 1904 | 27.6 | 29.2 | 44.2 | 49.5 | 59.2 | .... | .... | .... | .... | .... | .... | .... | .... |
| 1905 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1906 | 34.0 | 35.6 | 31.9 | 56.6 | 64.4 | 70.2 | 72.5 | 75.6 | 68.4 | 52.0 | 40.0 | 36.2 | 53.1 |
| 1907 | 27.4 | 35.3 | 49.8 | 45.1 | 56.2 | 70.4 | 77.0 | 76.3 | 68.9 | 56.2 | 40.0 | 30.4 | 52.8 |
| 1908 | 34.6 | 35.8 | 45.3 | 54.0 | 61.8 | 71.1 | 75.2 | 75.4 | 69.4 | 53.7 | 41.7 | 34.7 | 54.4 |
| 1909 | 27.4 | 34.4 | 40.2 | 50.4 | 61.2 | 71.8 | 77.6 | 78.6 | 67.4 | 54.6 | 45.7 | 21.0 | 52.5 |
| 1910 | 27.4 | 29.2 | 53.6 | 54.4 | 57.2 | 70.9 | 79.4 | 73.8 | 68.0 | 59.7 | 42.7 | 33.0 | 54.1 |
| 1911 | 32.6 | 33.9 | 46.8 | 51.4 | 63.8 | 78.8 | 78.0 | 75.3 | 71.8 | 53.4 | 36.9 | 27.2 | 54.2 |
| 1912 | 18.2 | 31.6 | 29.4 | 52.8 | 63.6 | 67.2 | 79.2 | 77.3 | 65.1 | 55.8 | 43.5 | 34.3 | 51.5 |
| 1913 | 26.4 | 24.5 | 39.0 | 53.4 | 65.0 | 72.8 | 82.0 | 82.8 | 66.6 | 51.8 | 45.6 | 33.0 | 53.6 |
| 1914 | 37.7 | 28.4 | 41.8 | 52.5 | 62.0 | 77.0 | 78.8 | 77.3 | 71.3 | 56.2 | 46.6 | 19.8 | 54.1 |
| 1915 | 28.3 | 36.4 | 30.4 | 56.6 | 58.4 | 66.6 | 72.6 | 68.8 | 66.7 | 57.0 | 45.2 | 33.0 | 51.7 |
| 1916 | 23.0 | 30.8 | 47.0 | 49.2 | 60.9 | 68.5 | 80.4 | 79.0 | 65.7 | 56.4 | 41.0 | 25.4 | 52.3 |
| 1917 | 29.9 | 31.6 | 41.2 | 50.0 | 56.2 | 72.2 | 80.8 | 72.4 | 68.2 | 48.8 | 45.7 | .... | .... |
| 1918 | .... | 36.1 | 48.2 | 46.4 | 65.1 | 77.2 | 76.8 | 80.9 | 64.0 | 59.9 | 41.8 | 35.4 | .... |
| 1919 | 32.6 | 31.2 | 43.7 | 51.2 | 60.0 | 70.9 | 80.4 | 78.0 | 72.0 | 51.1 | 37.3 | 26.8 ^a | 52.9 |
| 1920 | 31.8 | 35.6 ^a | 44.0 ^b | 47.6 | 61.7 | 72.5 | 79.0 | 72.5 | 69.2 | 60.0 | 39.0 ^a | 32.6 | 53.8 |
| 1921 | 35.6 | 39.0 ^a | 48.0 | 54.2 ^a | 64.6 | 72.8 | 79.0 | 79.2 | 73.8 | 59.2 | 40.8 ^a | 31.9 | 56.5 |
| 1922 | 25.4 | 29.1 ^b | 42.1 | 54.4 | 63.1 | 73.8 | 76.7 | 80.6 | 74.5 | 58.6 | 45.6 | 34.1 | 54.8 |
| 1923 | 36.8 | 30.1 ^a | 40.4 | 54.4 | 60.5 | 72.6 | 79.2 | 77.9 | 69.1 | 50.7 | 44.2 ^a | 34.9 ^b | 54.2 |
| 1924 | 25.2 | 35.1 | 34.4 | 54.2 | 56.8 | 73.8 | 76.8 | 80.3 | 65.2 | 59.2 | 44.1 | 23.4 | 52.4 |
| 1925 | 24.0 | 39.8 | 48.2 | 58.0 | 62.0 | 77.9 | 79.7 | 75.8 | 72.5 | 46.8 | 41.9 | 32.8 | 55.0 |
| 1926 | 32.4 | 39.2 | 40.4 | 49.2 | 65.0 | 73.2 | 79.8 | 79.8 | 69.7 | 59.0 | 39.6 | 30.2 | 54.8 |
| 1927 | 31.8 | 36.4 | 41.6 | 55.8 | 64.4 | 70.6 | 76.8 | 72.0 | 69.2 | 60.0 | 43.0 | 24.2 | 53.8 |
| 1928 | 33.7 | 35.4 | 44.8 | 50.7 | 62.8 | 65.2 | 76.9 | 75.7 | 67.1 | 55.6 | 41.8 | 34.8 | 53.7 |
| 1929 | 23.5 | 23.0 | 46.2 | 55.2 | 60.8 | 70.8 | 78.8 | 78.4 | 66.7 | 55.8 | 34.5 | 34.2 | 52.3 |
| 1930 | 17.2 | 45.7 | 40.0 | 56.7 | 61.8 | 71.4 | 81.4 | 79.4 | 69.8 | 52.6 | 42.8 | 32.2 | 54.2 |
| 1931 | 34.5 | 40.7 | 36.8 | 51.9 | 59.2 | 77.2 | 79.1 | 76.2 | 78.6 | 61.1 | 42.7 | 37.2 | 56.3 |
| 1932 | 22.4 | 36.0 | 35.4 | 56.7 | 64.6 | 72.1 | 82.1 | 78.6 | 67.1 | 54.1 | 39.6 | 27.0 | 53.0 |
| 1933 | 37.8 | 29.4 | 46.8 | 53.5 | 63.2 | 80.8 | 81.5 | 77.2 | 74.0 | 57.4 | 46.2 | 38.8 | 57.2 |
| 1934 | 36.2 | 34.6 | 42.8 | 55.7 | 70.3 | 80.0 | 87.1 | 82.3 | 65.0 | 61.8 | 46.4 | 31.8 | 57.8 |
| 1935 | 34.2 | 38.2 | 50.4 | 52.0 | 58.4 | 70.0 | 83.6 | 81.0 | 69.4 | 54.2 | 39.2 | 33.9 | 55.4 |
| 1936 | 26.9 | 20.8 | 46.8 | 53.0 | 66.8 | 76.4 | 85.6 | 84.2 | 72.0 | 54.0 | 42.0 | 36.4 | 55.4 |
| 1937 | 18.4 | 31.2 | 39.6 | 53.9 | 67.2 | 74.4 | 82.2 | 84.1 | 71.3 | 56.2 | 40.6 | 31.1 | 54.2 |
| 1938 | 33.9 | 36.0 | 49.0 | 53.9 | 62.0 | 72.6 | 82.0 | 83.7 | 72.1 | 64.0 | 41.4 | 35.2 | 57.2 |
| 1939 | 37.0 | 28.7 | 43.2 | 53.7 | 68.6 | 75.4 | 84.7 | 78.0 | 75.2 | 59.7 | 43.0 | 37.2 | 57.0 |
| 1940 | 13.6 | 33.0 | 44.4 | 54.0 | 63.2 | 74.6 | 82.4 | 75.4 | 71.4 | 63.1 | 38.6 | 34.5 | 54.0 |
| 1941 | 31.3 | 32.7 | 39.0 | 54.0 | 66.8 | 71.6 | 78.8 | 78.3 | 71.6 | 57.0 | 44.2 | 35.6 | 55.1 |
| 1942 | 28.7 | 30.7 | 44.0 | 56.8 | 63.2 | 72.1 | 80.4 | 77.0 | 66.0 | 57.2 | 43.4 | 31.6 | 54.3 |
| 1943 | 31.6 | 40.8 | 39.3 | 58.2 | 60.6 | 76.7 | 81.8 | 84.2 ^a | 67.2 | 54.2 | 41.6 | 30.2 | 55.5 |
| 1944 | 34.8 | 35.8 | 37.9 | 48.4 | 64.3 | 75.4 | 77.6 | 77.4 | 68.6 | 57.4 | 44.2 | 20.1 | 54.3 |
| 1945 | 32.8 | 35.2 | 50.0 | 50.8 | 62.0 | 66.2 | 77.6 | 80.2 | 70.5 | 57.0 | 43.6 | 25.4 | 54.3 |
| 1946 | 34.9 | 42.0 | 51.4 | 60.1 | 60.8 | 77.3 | 81.8 | 76.7 | 67.8 | 55.6 | 41.3 | 35.4 | 57.1 |
| Normal | 29.4 | 32.3 | 42.5 | 52.9 | 62.4 | 72.7 | 79.3 | 77.9 | 69.2 | 56.4 | 42.1 | 31.7 | 54.1 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

HUTCHINSON, RENO COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------------------|------|-------------------|------|-------------------|------|------|-------------------|-------------------|------|------|--------|
| 1891 | .... | .... | .... | .... | .... | .... | .... | 76.7 | 71.3 | 57.3 | 42.8 | 41.6 | .... |
| 1892 | 31.0 | 39.7 | 41.6 | 54.6 | 61.5 | 74.5 | 76.7 | 77.2 | 71.8 | 60.4 | 44.8 | 28.4 | 55.2 |
| 1893 | 33.8 | 31.8 | 44.4 | 57.1 | 62.4 | 74.6 | 80.2 | 75.2 | 72.4 | 61.1 | 44.2 | 41.2 | 56.5 |
| 1894 | 33.6 | 29.8 | 48.4 | 59.4 | 66.2 | 74.9 | 75.8 | 78.6 | 70.0 | 61.6 | 45.9 | 38.4 | 56.9 |
| 1895 | 28.8 | 26.0 | 45.2 | 60.3 | 66.7 | 73.4 | 73.8 | 77.5 | 75.0 | 56.2 | 44.2 | 37.8 | 55.4 |
| 1896 | 38.2 | 43.6 | 41.8 | 62.7 | 71.2 | 74.8 | 78.4 | 80.6 | 68.7 | 56.6 | 42.8 | 43.7 | 58.5 |
| 1897 | 32.2 | .... | 47.8 | 57.0 | 64.8 | 76.0 | 80.2 | 78.2 | 75.3 | .... | .... | 34.3 | .... |
| 1898 | 35.0 | 40.8 | 44.6 | 55.2 | 64.4 | 74.8 | .... | .... | .... | .... | 42.1 | .... | .... |
| 1899 | .... | .... | 39.4 | 56.4 | 68.3 | 72.8 | 76.5 | 81.4 | 69.8 | 64.6 | 51.3 | 35.8 | .... |
| 1900 | 39.2 | 31.7 | 45.1 | 55.8 | 66.2 | 74.6 | 78.5 | 81.0 | 70.4 | 62.8 | 43.0 | 35.9 | 57.0 |
| 1901 | 33.2 | 28.6 | 43.2 | 52.6 | 63.2 | 76.4 | 84.6 | 79.8 | 70.0 | 99.3 | 46.4 | 31.3 | 55.7 |
| 1902 | 30.2 | 27.2 | 44.8 | 55.3 | 68.0 | 71.4 | 76.4 | 77.4 | 63.7 | 59.4 | 47.2 | 28.6 | 54.1 |
| 1903 | 32.4 | 27.2 | 43.0 | 55.3 | 61.7 | 66.0 | 78.8 | 75.2 | 66.0 | 56.8 | 41.4 | 34.0 | 53.2 |
| 1904 | 27.6 | 31.8 | 48.0 | 50.6 | 61.7 | 69.5 | 74.0 | 73.1 | 69.4 | 57.9 | 46.2 | 30.6 | 54.0 |
| 1905 | 21.2 | 21.4 | 51.0 | 53.8 | 64.1 | 76.2 | 75.0 | 79.1 | 72.2 | 54.2 | 46.4 | 34.0 | 53.4 |
| 1906 | 35.8 | 37.2 | 34.1 | 58.5 | 65.4 | 72.9 | 74.0 | 76.4 | 70.4 | 54.5 | 42.2 | 38.5 | 55.0 |
| 1907 | 32.3 | 36.0 | 53.4 | 48.8 | 58.2 | 72.8 | 78.5 | 78.6 | 71.2 | 58.0 | 43.8 | 35.6 | 55.6 |
| 1908 | 37.6 | 38.4 | 49.5 | 56.8 | 64.4 | 72.8 | 76.3 | 76.5 | 69.9 | 55.7 | 44.3 | 37.1 | 56.6 |
| 1909 | 29.0 | 38.6 | 43.2 | 54.4 | 63.4 | 74.1 | 79.1 | 80.4 | 71.8 | 58.0 | 49.4 | 25.2 | 55.6 |
| 1910 | 31.6 | 31.4 | 56.4 | 59.3 | 61.2 | 73.1 | 81.2 | 77.4 | 71.6 | 60.8 | 45.8 | 34.0 | 57.0 |
| 1911 | 34.7 | 36.9 | 48.0 | 55.4 | 66.7 | 80.6 | 79.2 | 77.2 | 76.9 | 57.1 | 40.4 | 31.4 | 57.0 |
| 1912 | 19.0 | 32.3 | 32.6 | 55.0 | 67.6 | 69.8 | 81.7 | 79.1 | 67.0 | 58.4 | 46.0 | 33.9 | 53.5 |
| 1913 | 29.8 | 26.4 | 39.8 | 57.7 | 68.0 | 75.8 | 83.7 | 84.0 | 67.8 | .... | 48.8 | 33.4 | .... |
| 1914 | 38.3 | 30.4 | 45.2 | 54.6 | 65.4 | 80.0 | 81.4 | 78.7 | .... | 58.0 | 48.4 | 25.3 | .... |
| 1915 | 29.2 | 37.6 | 32.2 | 58.9 | 59.7 | 70.6 | 75.0 | 70.2 | 70.6 | 58.6 | 30.5 | 35.8 | 54.1 |
| 1916 | 23.2 | 32.2 | 47.4 | 51.2 | 64.6 | 71.3 | 80.4 | 81.8 | 68.4 | 58.0 | 44.2 | 29.2 | 54.3 |
| 1917 | 32.5 | 32.2 | 45.0 | 51.8 | 57.6 | 73.5 | 82.0 | 73.4 | 70.8 | 51.7 | 49.0 | 25.2 | 53.7 |
| 1918 | .... | 36.1 | 50.2 | 50.0 | 68.1 | 78.3 | 78.6 | 83.2 | 64.8 | 61.2 | 43.0 | .... | .... |
| 1919 | 31.2 | 34.3 | 45.6 | 54.9 | 62.4 | 73.4 | 81.0 | 80.7 | 74.4 | 56.6 | 40.8 | 28.4 | 55.3 |
| 1920 | 32.8 | 37.4 | 47.4 | 50.8 | 64.3 | 74.7 | 79.4 | 74.6 | 70.4 | 61.0 | .... | 34.0 | .... |
| 1921 | 35.8 | 39.7 | 50.8 | 55.2 | 66.8 | 75.2 | 80.8 | 80.4 | 75.2 | 61.6 | 44.9 | 35.2 | 58.5 |
| 1922 | 30.0 | 35.8 | 45.4 | 58.0 | 67.1 | 77.2 | 78.2 | 82.1 | 76.0 | 63.0 | 45.4 | .... | .... |
| 1923 | .... | .... | 44.4 | 56.5 | 63.9 | 75.4 | 80.4 | 82.4 | 73.3 | 54.2 | 48.2 | 39.6 | .... |
| 1924 | 27.1 | 38.2 | 37.5 | 57.5 | 60.6 | 77.0 | 75.5 | 82.0 | 67.7 | 63.2 | 46.6 | 24.8 | 54.8 |
| 1925 | 26.2 | .... | 51.0 | 62.8 | 64.2 | 81.0 | 82.4 | 79.0 | 73.3 | 48.4 | 42.6 | .... | .... |
| 1926 | 31.6 | 42.3 | 42.6 | 49.8 | 68.2 | 75.4 | 79.8 | 81.2 | 69.8 | 58.9 | 41.3 | 33.9 | 56.2 |
| 1927 | 33.2 | 39.7 | 45.3 | 59.0 | 66.8 | 73.3 | 78.5 | 71.4 | 70.4 | 62.2 | 46.5 | 28.5 | 56.2 |
| 1928 | 35.9 | 38.6 | 48.4 | 52.8 | 65.4 | 68.6 | 78.7 | 79.4 | 70.4 | 61.6 | 44.3 | 37.4 | 56.8 |
| 1929 | 25.7 | 26.6 | 47.7 | 59.2 | 62.6 | 73.8 | 79.8 | 81.7 | 69.4 | 59.8 | 37.4 | 36.4 | 55.0 |
| 1930 | 18.2 | 47.6 | 43.8 | 61.6 | 64.6 | 74.8 | 83.4 | 81.6 | 71.8 | 56.2 | 46.9 | 34.2 | 57.1 |
| 1931 | 37.8 | 42.0 | 39.8 | 54.2 | 61.6 | 80.3 | 82.3 | 76.4 | 79.4 | 62.8 | 48.0 | 39.9 | 58.7 |
| 1932 | 29.0 | 42.0 | 37.8 | 59.2 | 66.0 | 75.0 | 83.0 | 81.2 | 70.4 | 57.6 | 42.2 | 29.0 | 56.0 |
| 1933 | 40.2 | 31.9 | 46.8 | 55.7 | 65.3 | 83.2 | 82.4 | 77.6 | 75.1 | 59.4 | 49.0 | 40.2 | 58.9 |
| 1934 | 36.3 | 36.8 | 45.4 | 57.1 | 68.6 | 82.6 | 88.4 | 85.2 | 66.7 | 63.2 | 48.9 | 34.8 | 59.5 |
| 1935 | 35.4 | 39.1 | 52.6 | 52.8 | 60.5 | 71.4 | 83.9 | 80.8 | 69.6 ^b | 56.0 | 39.8 | 33.2 | 56.3 |
| 1936 | 27.0 ^a | 22.8 | 49.6 | 55.8 | 68.8 | 77.3 | 86.8 | 86.2 | 71.9 | 55.8 | 44.0 | 39.0 | 57.1 |
| 1937 | 22.2 | 32.3 | 41.2 | 56.4 | 67.1 | 74.6 | 82.1 | 83.8 | 71.9 | 57.4 | 41.5 | 33.0 | 55.3 |
| 1938 | 35.7 | 37.6 | 52.1 | 56.0 | 64.3 | 74.4 | 81.3 | 83.8 | 73.5 | 66.0 | 43.8 | 36.6 | 58.8 |
| 1939 | 39.2 | 31.1 ^a | 47.2 | 55.1 ^a | 68.5 | 75.1 ^a | 82.5 | 77.4 | 74.4 | 62.3 ^b | 43.0 | 38.0 | 57.8 |
| 1940 | 14.4 | 32.8 | 44.8 | 54.0 | 63.6 | 74.3 | 81.6 | 78.0 | 71.6 | 64.8 | 40.9 | 36.6 | 54.8 |
| 1941 | 34.0 | 35.2 | 40.6 | 58.4 | 70.0 | 73.2 | 79.8 | 80.4 | 73.4 | 59.6 | 46.0 | 39.6 | 57.5 |
| 1942 | 32.6 | 34.0 | 46.2 | 59.0 | 64.5 | 73.4 | 80.2 | 76.7 | 66.8 | 58.2 | 45.7 | 31.9 | 55.8 |
| 1943 | 30.2 | 40.4 | 40.2 | 60.1 | 61.0 | 76.3 | 80.4 | 83.4 | 67.2 | 56.0 | 42.9 | 29.6 | 55.6 |
| 1944 | 34.5 | 37.8 | 40.2 | 50.0 | 66.0 | 77.2 | 77.4 | 77.5 | 68.4 | 58.2 | 46.6 | 30.2 | 55.3 |
| 1945 | 32.7 | 33.8 | 50.2 | 52.0 | 61.8 | 68.4 | 76.6 | 77.5 | 68.7 | 57.6 | 45.7 | 27.1 | 54.3 |
| 1946 | 34.3 | 42.5 | 52.2 | 59.2 | 59.4 | 75.2 | 81.7 | 78.0 | 69.8 | 59.2 | 45.5 | 40.0 | 58.1 |
| Normal | 31.0 | 34.6 | 45.1 | 55.5 | 64.7 | 74.7 | 80.2 | 79.3 | 70.9 | 58.9 | 44.9 | 33.6 | 56.1 |

LARNED, PAWNEE COUNTY

| | | | | | | | | | | | | | |
|------|------|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| 1860 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 29.4 | .... |
| 1861 | 21.1 | 37.5 | 44.2 | 54.0 | 63.4 | 78.8 | 79.5 | 78.7 | 68.6 | 55.8 | 45.3 | 38.9 | 55.5 |
| 1862 | 27.0 | 31.0 ^a | 41.5 | 49.9 | 65.2 | 77.0 | 87.1 | 79.6 | 70.4 | 57.3 | 42.6 | 38.2 | 55.6 |
| 1863 | 35.1 | 34.0 | 46.0 | 57.7 | 67.1 | 71.3 | 86.3 | 78.7 | 71.2 | 48.6 | 38.4 | 29.8 | 54.5 |
| 1864 | 26.2 | 37.1 | 40.2 | 49.8 | 65.9 | 74.3 | 71.2 | 79.0 | 71.1 | 47.2 | 36.6 | 30.3 | 54.2 |
| 1865 | 28.3 | 36.4 | 39.0 | 50.3 | 66.3 | 77.2 | 76.2 | 78.5 | 74.2 | 56.0 | 45.1 | 19.0 | 53.9 |
| 1866 | 26.2 | 32.2 | 41.5 | 57.1 | 62.5 | 74.4 | 80.4 | 78.9 | 62.8 | 60.0 | 41.9 | 27.1 | 53.8 |
| 1867 | 23.5 | 32.2 | 24.4 | 50.6 | 66.8 | 76.2 | 77.3 | 77.8 | 72.1 | 62.1 | 53.0 | 47.5 | 55.3 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

LARNED, PAMPER COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|-------------------|-------------------|-------------------|-------------------|-------------------|------|-------------------|-------------------|--------|
| 1868 | 34.0 | 45.9 | 52.0 | 57.5 | 67.5 | 75.3 | 85.0 | 77.6 | 68.0 | 61.9 | 53.0 | 35.9 | 59.5 |
| 1869 | 46.5 | 45.6 | 51.0 | 59.2 | 66.6 | 72.6 | 78.8 | 79.8 | 69.0 | .... | .... | .... | .... |
| 1870 | 29.6 | 38.4 | 36.8 | 55.4 | 68.0 | 73.1 | 83.3 | 72.9 | 65.4 | 54.0 | 46.1 | 25.4 | 54.0 |
| 1871 | 28.6 | 33.3 | 45.7 | 55.9 | 64.3 | 79.1 | 80.8 | 78.2 | 66.9 | 54.4 | 33.4 | 24.3 | 53.7 |
| 1872 | 25.8 | 33.9 | 40.2 | 53.6 | 66.1 | 76.2 | 78.3 | 78.1 | 66.8 | 55.5 | 32.9 | 20.4 | 52.3 |
| 1873 | 23.4 | 31.4 | 45.1 | 48.2 | 62.2 | 74.8 | 75.1 | 78.4 | 65.9 | 57.6 | 40.7 | 27.1 | 52.5 |
| 1874 | 26.3 | 24.6 | 39.5 | 48.3 | 67.1 | 76.6 | 81.8 | 83.1 | 67.8 | 63.7 | 35.8 | 32.3 | 53.9 |
| 1875 | 11.5 | 25.6 | 37.3 | 49.0 | 65.0 | 74.4 | 76.4 | 72.5 | 66.6 | 55.1 | 37.0 | 38.2 | 50.7 |
| 1876 | 32.2 | 39.7 | 31.9 | 56.2 | 63.8 | 71.9 | 80.0 | 78.2 | 67.2 | 52.4 | 37.5 | 20.5 | 52.6 |
| 1877 | 23.6 | 36.2 | 41.9 | 51.6 | 62.4 | 70.3 | 76.0 | 74.2 | 68.0 | 51.4 | 37.1 | 37.7 | 52.5 |
| 1878 | 30.3 | 36.8 | 49.4 | 56.8 | 62.4 | 70.7 | .... | .... | .... | .... | .... | .... | .... |
| | | | | | | | | | | | | | |
| 1890 | .... | .... | .... | .... | .... | .... | .... | 78.2 | 65.8 | 54.6 | .... | .... | .... |
| 1891 | .... | .... | .... | .... | .... | 78.6 ^m | 75.4 | 70.6 | 65.6 | 61.0 | .... | .... | .... |
| | | | | | | | | | | | | | |
| 1904 | .... | .... | .... | 49.8 | 60.7 | 68.8 | 75.6 | 73.4 | 67.8 | 57.0 | 44.8 | 30.0 | .... |
| 1905 | 20.8 | 21.2 | 47.4 | 49.1 | 59.5 | 74.9 | 73.9 | 78.0 | 70.6 | 52.4 | 44.6 | 32.4 | 52.1 |
| 1906 | 35.3 | .... | 32.2 | 56.4 | 63.0 | 70.2 | 71.2 | 75.0 | 67.8 | 51.8 | 39.8 | 37.0 | .... |
| 1907 | 28.4 | 35.5 | .... | 46.2 | 56.8 | 70.8 | 77.2 | 76.6 | 67.9 | 57.0 | 41.4 | 31.6 | .... |
| 1908 | 35.3 | 37.0 | 46.8 | 53.7 | 62.4 | 70.0 | 74.6 | .... | 68.5 | 54.0 | 41.4 | 34.6 | .... |
| 1909 | 27.6 | 36.4 | 39.6 | 50.8 | 61.8 | 73.8 | 80.4 | 82.0 | 70.8 | 56.6 | 48.3 | 23.6 | 54.3 |
| 1910 | 30.4 | 29.8 | 56.8 | 58.0 | 59.5 | 74.3 | 81.0 | 76.8 | 71.6 | 61.6 | 45.8 | 34.7 | 56.7 |
| 1911 | 34.8 | 34.2 | 49.0 | 55.0 | 64.8 | 79.2 | 79.4 | 77.6 | 76.9 | 55.7 | 39.6 | 28.8 | 56.2 |
| 1912 | 19.6 | 32.4 | 31.6 | 54.9 | 66.8 | 69.8 | 81.1 | 78.1 | 66.4 | 58.4 | 45.8 | 35.0 | 53.3 |
| 1913 | 29.9 | 26.4 | 42.0 | 57.5 | 69.0 | 74.4 | 83.2 | 84.6 | 67.2 | 53.8 | 47.6 | 35.5 | 55.8 |
| 1914 | 39.3 | 31.4 | 45.0 | 55.4 | 64.3 | 79.4 | 81.0 | 79.0 | 74.3 | 58.8 | 49.4 | 23.4 | 56.7 |
| 1915 | 29.8 | 38.8 | 32.6 | 59.8 | 59.8 | 69.0 | 74.8 | 70.1 | 69.4 | 58.4 | 48.4 | 35.4 | 53.9 |
| 1916 | 24.4 | 33.2 | 48.6 | 50.2 | 64.0 | 70.8 | 81.4 | 80.2 | 68.8 | 58.0 | 42.8 | 28.6 | 54.2 |
| 1917 | 32.2 | 32.6 | 43.8 | 52.8 | 58.6 | 74.1 | 80.9 | 74.4 | 70.2 | 52.4 | 48.6 | 26.4 | 53.9 |
| 1918 | 19.8 | 36.8 | 50.0 | 48.8 | 67.8 | 72.2 | 78.4 | 82.8 | 65.0 | 60.2 | 42.2 | 34.3 | 55.4 |
| 1919 | 32.0 | 32.8 | 44.4 | 53.2 | 61.6 | 72.2 | 80.6 | 79.5 | 73.5 | 55.3 | 39.6 | 29.2 | 54.5 |
| 1920 | 33.1 | 35.8 | 46.3 | 49.7 | 62.8 | 73.3 | 79.0 | 73.0 | 70.4 | 61.6 | 40.0 | 34.5 | 55.0 |
| 1921 | 36.9 | 40.0 | 50.2 | 55.2 | 65.9 | 73.6 | 78.4 | 79.6 | 75.0 | 61.2 | 44.0 | 33.0 | 57.8 |
| 1922 | 28.6 | 34.0 | 42.8 | 54.8 | 64.4 | 74.9 | 78.3 | 80.8 | 73.8 | 62.8 | 46.2 | 35.3 | 56.4 |
| 1923 | 38.8 | 32.9 | 41.8 | 55.8 | 61.6 | 73.8 | 80.1 | 79.8 | 70.6 | 52.2 | 46.0 | 36.4 | 55.8 |
| 1924 | 28.2 | 36.6 | 35.5 | 55.6 | 58.4 | 75.6 | 76.9 | 80.7 | 67.4 | 61.2 | 47.3 | 25.8 | 54.1 |
| 1925 | 25.3 | 42.0 | 50.1 | 60.4 | 64.1 | 79.6 | 80.7 | 77.5 | 73.0 | 48.2 | 42.8 | 35.1 | 56.6 |
| 1926 | 33.4 | 42.1 | 41.6 | 49.8 | 65.6 | 73.8 | 79.9 | 80.6 | 71.0 | 59.4 | 41.0 | 32.6 | 55.9 |
| 1927 | 32.2 | 38.9 | 43.9 | 57.4 | 66.4 | 71.7 | 79.2 | .... | 70.2 | 62.4 | 45.3 | 28.6 | .... |
| 1928 | 35.9 | 36.6 | 46.8 | 52.3 | 64.5 | 67.2 | 79.0 | 77.5 | 69.1 | 59.5 | 43.7 | 36.4 | 55.7 |
| 1929 | 25.8 | 25.5 | 47.8 | 57.0 | 62.6 | 73.4 | 80.0 | 80.6 | 68.4 | 57.7 | 35.4 | 35.2 | 54.1 |
| 1930 | 20.0 | 47.8 | 41.7 | 59.4 | 64.0 | 74.4 | 82.7 | 81.4 | 72.2 | 56.0 | 46.4 | 33.0 | 56.6 |
| 1931 | 37.6 | 43.8 | 40.8 | 53.4 | 63.0 | 78.6 | 81.6 | 77.4 | 79.0 | 62.0 | 46.3 | 39.7 | 58.6 |
| 1932 | 26.6 | 41.5 | 38.7 | 59.2 | 67.0 | 74.6 | 83.0 | 80.5 | 69.8 | 57.2 | 39.6 | 27.4 | 55.4 |
| 1933 | .... | 29.0 | 45.8 | 55.1 | 65.4 | 82.3 | 83.1 | 77.4 | 75.2 | 57.8 | 47.6 | 40.8 | .... |
| 1934 | 36.6 | 36.2 | 45.0 | 57.2 | 69.9 | 80.8 | 88.4 | 84.2 | 65.7 | 62.4 | 47.2 | 33.9 | .... |
| 1935 | 36.1 | 39.6 | 52.0 | 52.6 | 59.2 | 71.2 | 84.3 | 81.6 | 70.6 | 57.0 | 40.1 | 35.2 | 56.6 |
| 1936 | 27.4 | 23.8 | 48.8 | 55.6 | 68.4 | 78.2 | 85.4 | 86.0 | 72.4 | 54.2 | 42.8 | 38.4 | 56.8 |
| 1937 | 20.6 | 33.4 | 40.2 | 55.6 | 68.0 | 74.4 | 82.1 | 84.2 | 71.6 | 57.0 | 41.8 ^m | 31.2 ^m | 55.0 |
| 1938 | 35.4 | 37.0 | 50.4 | 54.4 | 63.4 | 73.6 | 80.6 | 83.1 | 73.6 ^m | 65.8 | 43.2 | 37.7 | 58.2 |
| 1939 | 39.0 | 31.3 | 46.4 | 54.8 | 69.4 | 76.4 | 84.2 ^b | 78.6 | 75.0 | 62.3 | 45.4 | 39.7 | 58.5 |
| 1940 | 15.6 | 34.4 | 45.9 | 54.6 | 63.4 ^a | 74.2 | 81.8 ^a | 76.4 | 71.0 | 63.6 | 42.0 ^b | 36.3 | 54.9 |
| 1941 | 33.2 | 34.0 | 40.8 | 55.4 | 67.2 | 71.7 | 78.6 | 78.8 ^m | 71.5 | 57.9 | 45.8 | 38.0 | 56.1 |
| 1942 | 31.0 | 31.8 | 44.8 | 57.0 | 64.7 | 74.8 | 81.5 | 78.0 | 69.0 | 60.4 | 45.8 | 32.0 | 55.9 |
| 1943 | 33.2 | 41.8 | 41.1 | 59.8 | 61.2 | 77.2 | 81.8 | 85.4 | 69.0 | 56.2 | 42.7 | 29.2 | 56.6 |
| 1944 | 34.1 | 37.6 | 39.4 | 49.6 | 65.8 | 77.4 | 78.6 | 79.2 | 68.6 | 58.8 | 45.8 | 30.9 | 55.5 |
| 1945 | 32.8 | 34.0 | 50.4 | 51.7 | 62.5 | 67.5 | 77.8 | 79.5 | 70.1 | 58.4 | 45.8 | 28.4 | 54.9 |
| 1946 | 35.1 | 41.8 | 51.4 | 60.5 | 60.7 | 77.4 | 84.0 | 78.4 | 70.0 | 58.2 | 43.6 | 38.4 | 58.3 |
| Normal | 30.2 | 34.8 | 44.3 | 54.6 | 63.9 | 74.3 | 80.2 | 79.2 | 70.9 | 58.0 | 44.0 | 33.3 | 55.6 |

McPHERSON, McPHERSON COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1891 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 41.6 | 37.9 | .... |
| 1892 | 25.8 | 36.6 | 39.8 | 55.3 | 58.1 | 73.6 | 76.4 | 76.2 | 70.8 | 57.7 | 42.0 | 26.0 | 53.2 |
| 1893 | 27.6 | 27.0 | 40.4 | 55.8 | 62.0 | 74.6 | 79.8 | 74.8 | 70.9 | 57.4 | 41.2 | 38.1 | 54.1 |
| 1894 | 26.4 | 23.9 | 46.4 | 59.2 | 64.3 | 74.6 | 77.9 | 79.8 | 68.9 | 59.0 | 44.5 | 34.4 | 54.9 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

McPHERSON, McPHERSON COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1895 | 23.4 | 24.2 | 43.1 | 59.6 | 66.7 | 72.3 | 75.1 | 75.6 | 71.6 | 53.6 | 41.0 | 33.6 | 53.3 |
| 1896 | 33.9 | 35.0 | 36.4 | 63.0 | 70.2 | 72.8 | 77.9 | 79.9 | 66.6 | 54.0 | 36.3 | 38.5 | 55.4 |
| 1897 | 25.7 | 30.8 | 44.4 | 54.6 | 62.8 | 76.0 | 79.5 | 73.8 | 71.8 | .... | 43.2 | 27.9 | .... |
| 1898 | 31.2 | 35.0 | 43.8 | 53.8 | 63.2 | 74.9 | 78.4 | 79.9 | 72.4 | 56.4 | 40.6 | 28.6 | 54.8 |
| 1899 | 28.8 | 18.4 | 36.8 | 55.6 | 67.4 | 73.2 | 75.7 | 81.7 | 69.6 | 62.5 | 48.5 | 31.6 | 54.2 |
| 1900 | 35.3 | 29.3 | 42.9 | 57.8 | 65.4 | 74.0 | 78.2 | 82.8 | 70.8 | 62.2 | 43.1 | 35.9 | 56.6 |
| 1901 | 32.6 | 25.4 | 42.6 | 52.4 | 63.6 | 78.0 | 87.6 | 82.4 | 71.8 | 61.6 | 45.2 | 30.3 | 56.1 |
| 1902 | 30.9 | 26.4 | 46.5 | 57.8 | 69.6 | 71.2 | 78.2 | 80.5 | 64.6 | 60.2 | 46.1 | 27.6 | 55.0 |
| 1903 | 30.4 | 27.2 | 44.7 | 55.2 | 62.3 | 68.5 | 80.0 | 76.6 | 67.4 | 58.4 | 41.6 | 33.8 | 53.8 |
| 1904 | 27.8 | 31.0 | 46.0 | 51.6 | 63.4 | 71.5 | 76.6 | 76.1 | 71.0 | 60.6 | 46.4 | 29.8 | 54.3 |
| 1905 | 21.0 | 21.2 | 52.0 | 53.8 | 63.4 | 76.4 | 75.2 | 80.6 | 71.8 | 56.1 | 46.8 | 33.2 | 54.3 |
| 1906 | 34.8 | 35.3 | 33.0 | 58.6 | 64.9 | 71.8 | 74.9 | 78.4 | 70.6 | 54.8 | 42.7 | 36.6 | 54.7 |
| 1907 | 30.0 | 34.2 | 52.4 | 47.4 | 57.8 | 73.4 | 79.6 | 78.6 | 71.4 | 58.2 | 42.9 | 34.6 | 55.0 |
| 1908 | 35.6 | 36.5 | 48.3 | 55.9 | 63.9 | 72.6 | 77.4 | 76.8 | 70.6 | 55.6 | 46.0 | 36.9 | 56.3 |
| 1909 | 28.2 | 38.2 | 42.7 | 53.4 | 63.3 | 74.8 | 79.2 | 79.8 | 72.0 | 59.2 | 49.6 | 23.2 | 55.2 |
| 1910 | 30.8 | 30.4 | 57.2 | 58.6 | 59.4 | 72.6 | 80.7 | 76.6 | 70.0 | 60.6 | 44.8 | 33.3 | 56.2 |
| 1911 | 32.9 | 35.0 | 47.2 | 54.0 | 67.0 | 81.2 | 79.2 | 78.0 | 76.0 | 57.2 | 39.0 | 30.9 | 56.5 |
| 1912 | 18.4 | 30.9 | 31.8 | 54.8 | 67.8 | 69.6 | 82.2 | 78.4 | 66.8 | 57.9 | 46.1 | 35.2 | 53.3 |
| 1913 | 29.0 | 26.0 | 39.6 | 56.4 | 67.6 | 75.8 | 84.1 | 86.6 | 69.1 | 54.0 | 49.2 | 34.2 | 56.0 |
| 1914 | 37.4 | 30.0 | 44.5 | 54.8 | 64.5 | 80.0 | 81.0 | 79.2 | 74.4 | 59.2 | 49.2 | 22.8 | 56.4 |
| 1915 | 28.7 | 37.6 | 35.8 | 59.4 | 64.0 | 70.1 | 75.1 | 70.7 | 69.6 | 59.3 | 49.8 | 35.0 | 54.1 |
| 1916 | 25.6 | 31.0 | 48.6 | 50.8 | 60.4 | 70.8 | 81.6 | 81.6 | 68.7 | 58.0 | 45.0 | 29.1 | 54.6 |
| 1917 | 32.8 | 33.0 | 46.0 | 51.8 | 57.2 | 73.3 | 82.6 | 74.0 | 70.8 | 51.8 | 48.3 | 25.0 | 53.8 |
| 1918 | 18.5 | 34.8 | 48.3 | 48.2 | 68.3 | 78.6 | 78.6 | 84.6 | 65.5 | 60.6 | 43.4 | 35.8 | 55.6 |
| 1919 | 30.7 | 33.8 | 45.2 | 54.0 | 62.2 | 72.5 | 81.4 | 80.4 | 74.4 | 56.8 | 40.7 | 27.2 | 54.9 |
| 1920 | 32.6 | 36.8 | 48.1 | 50.7 | 65.3 | 74.8 | 77.6 | 74.0 | 71.2 | 62.5 | 39.8 | 35.0 | 55.7 |
| 1921 | 37.4 | 41.2 | 52.2 | 56.6 | 67.6 | 75.3 | 82.6 | 82.7 | 76.8 | 61.6 | 43.9 | 33.2 | 59.3 |
| 1922 | 29.4 | 34.5 | 44.2 | 56.3 | 64.7 | 76.0 | 77.3 | 82.4 | 74.9 | 61.8 | 46.3 | 34.6 | 56.9 |
| 1923 | 39.2 | 32.5 | 42.7 | 55.4 | 61.9 | 74.3 | 80.0 | 81.2 | 71.4 | 53.2 | 45.6 | 37.4 | 56.2 |
| 1924 | 26.4 | 36.3 | 38.7 | 57.8 | 59.6 | 76.2 | 77.2 | 81.4 | 67.6 | 62.8 | 47.8 | 25.2 | 54.7 |
| 1925 | 22.9 | 40.8 | 50.2 | 61.4 | 63.7 | 79.8 | 81.6 | 79.6 | 74.2 | 48.2 | 43.0 | 33.6 | 56.6 |
| 1926 | 30.8 | 41.2 | 41.8 | 50.1 | 67.0 | 74.0 | 80.5 | 81.8 | 70.6 | 58.8 | 40.8 | 32.3 | 55.8 |
| 1927 | 31.8 | 39.2 | 43.8 | 58.2 | 64.8 | 71.8 | 79.4 | 72.0 | 71.0 | 61.8 | 46.0 | 29.2 | 55.8 |
| 1928 | 34.9 | 37.8 | 48.0 | 53.4 | 65.3 | 68.2 | 78.4 | 79.6 | 69.6 | 61.2 | 44.0 | 37.0 | 56.4 |
| 1929 | 24.2 | 25.8 | 48.5 | 58.2 | 61.8 | 72.6 | 78.6 | 80.4 | 69.2 | 59.0 | 36.7 | 34.8 | 54.2 |
| 1930 | 17.8 | 48.5 | 43.7 | 61.2 | 64.2 | 73.9 | 84.2 | 81.8 | 73.2 | 57.2 | 47.2 | 33.6 | 57.2 |
| 1931 | 36.8 | 42.8 | 40.1 | 54.6 | 61.2 | 78.9 | 83.0 | 78.0 | 80.7 | 63.3 | 47.7 | 40.4 | 59.0 |
| 1932 | 28.0 | 41.7 | 36.6 | 59.2 | 66.4 | 75.5 | 82.8 | 81.4 | 70.6 | 57.2 | 40.8 | 28.8 | 55.8 |
| 1933 | 40.1 | 31.5 | 47.6 | 57.2 | 66.0 | 83.4 | 82.8 | 78.8 | 76.0 | 59.2 | 48.9 | 40.4 | 59.3 |
| 1934 | 35.7 | 38.2 | 46.0 | 58.9 | 69.4 | 82.9 | 90.0 | 86.8 | 67.8 | 63.6 | 48.2 | 33.6 | 60.1 |
| 1935 | 35.1 | 39.0 | 52.6 | 62.0 | 60.8 | 71.6 | 85.6 | 82.3 | 71.8 | 56.8 | 40.6 | 34.2 | 56.9 |
| 1936 | 26.2 | 23.7 | 50.9 | 56.6 | 68.9 | 79.9 | 88.8 | 88.8 | 75.0 | 55.7 | 43.6 | 38.7 | 58.1 |
| 1937 | 21.0 | 31.4 | 40.7 | 55.4 | 67.6 | 75.5 | 83.0 | 85.0 | 72.2 | 57.7 | 41.0 | 32.2 | 55.2 |
| 1938 | 35.2 | 37.2 | 52.0 | 56.8 | 65.0 | 74.5 | 82.1 | 84.6 | 73.8 | 66.9 | 43.4 | 36.4 | 59.0 |
| 1939 | 39.2 | 30.0 | 46.9 | 55.5 | 70.0 | 76.4 | 83.5 | 77.8 | 75.6 | 62.6 | 44.9 | 39.0 | 58.4 |
| 1940 | 14.4 | 33.0 | 45.9 | 55.5 | 63.6 | 75.1 | 83.5 | 77.4 | 71.0 | 65.3 | 40.4 | 35.8 | 55.1 |
| 1941 | 33.5 | 33.9 | 41.2 | 58.4 | 69.7 | 73.4 | 80.8 | 80.4 | 72.4 | 58.8 | 45.4 | 39.4 | 57.3 |
| 1942 | 31.1 | 33.0 | 45.6 | 59.8 | 63.6 | 72.8 | 80.7 | 77.0 | 67.4 | 59.4 | 46.3 | 31.9 | 57.5 |
| 1943 | 29.8 | 40.8 | 40.5 | 60.4 | 61.5 | 76.9 | 81.0 | 85.6 | 69.0 | 57.8 | 44.0 | 30.1 | 56.4 |
| 1944 | 35.6 | 38.2 | 40.6 | 51.0 | 67.5 | 78.2 | 78.2 | 79.4 | 70.6 | 59.5 | 47.2 | 30.4 | 56.4 |
| 1945 | 33.2 | 34.7 | 50.8 | 53.6 | 62.6 | 68.8 | 78.2 | 79.8 | 70.4 | 58.0 | 46.6 | 27.2 | 55.3 |
| 1946 | 34.9 | 43.5 | 53.2 | 60.0 | 60.9 | 77.7 | 84.0 | 79.2 | 69.3 | 59.2 | 44.4 | 38.6 | 58.7 |
| Normal | 30.1 | 33.6 | 45.0 | 55.4 | 64.5 | 74.7 | 80.7 | 80.0 | 71.4 | 59.0 | 44.6 | 33.0 | 56.0 |

MEDICINE LODGE, BARBER COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1895 | .... | .... | .... | .... | .... | 73.0 | 74.8 | 77.0 | 72.9 | 52.5 | 40.8 | 34.0 | .... |
| 1896 | 35.2 | 39.0 | 42.2 | 65.2 | 74.6 | 77.6 | 80.6 | 82.5 | 69.2 | 55.4 | 40.0 | 41.0 | 58.5 |
| 1897 | 29.5 | 35.8 | 45.6 | 56.6 | 66.4 | 78.2 | 82.8 | 78.6 | 73.0 | 61.2 | 44.0 | 32.4 | 57.0 |
| 1898 | 34.6 | 40.0 | 44.0 | 56.7 | 67.0 | 77.4 | 79.7 | 79.0 | 70.6 | 55.6 | 40.9 | 30.0 | 56.3 |
| 1899 | 32.4 | 24.4 | 40.8 | 58.0 | 70.8 | 75.2 | 79.3 | 83.8 | 69.8 | 62.6 | 49.8 | 33.8 | 56.7 |
| 1900 | 37.0 | 32.1 | 46.1 | 58.8 | 68.0 | 76.7 | 78.8 | 82.2 | 71.7 | 62.2 | 44.1 | 36.3 | 57.8 |
| 1901 | 35.2 | 33.4 | 45.0 | 55.5 | 66.0 | 80.2 | 86.2 | 81.8 | 71.4 | 62.0 | 48.4 | 33.4 | 58.2 |
| 1902 | 32.7 | 32.6 | 48.7 | 60.4 | 70.6 | 74.9 | 79.6 | 81.6 | 66.6 | 61.4 | 49.0 | 31.9 | 57.5 |
| 1903 | 35.6 | 31.4 | 45.8 | 57.8 | 64.2 | 68.0 | 81.2 | 79.6 | 70.9 | .... | 43.9 | 38.4 | .... |
| 1904 | 33.9 | 40.2 | 53.2 | 56.7 | 67.4 | 74.2 | 78.4 | 79.0 | 74.0 | 62.0 | 48.6 | 33.2 | 58.4 |
| 1905 | 25.7 | 27.0 | 54.7 | 58.2 | 67.4 | 80.8 | 80.6 | 80.2 | 72.3 | 55.0 | 47.2 | 34.4 | 57.0 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

MEDICINE LODGE, BARBER COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------------------|------|-------------------|-------------------|-------------------|------|------|-------|-------------------|-------------------|-------------------|--------|
| 1906 | 36.6 | 37.4 | 37.7 | 60.0 | 66.4 | 73.5 | 75.4 | 77.4 | 72.4 | 56.1 | ..... | ..... | ..... |
| 1907 | .... | 46.4 ⁸ | 55.4 | 50.6 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1908 | .... | .... | 52.4 | 57.6 | 66.0 | 73.8 | 76.8 | 78.0 | 70.8 | 59.4 | 44.6 | 38.8 | .... |
| 1909 | 31.8 | 41.4 | 45.4 | 56.0 | 64.3 | 76.0 | 81.4 | 82.0 | 72.2 | 57.6 | 49.8 | 27.0 | 57.1 |
| 1910 | 33.4 | 31.6 | 56.8 | 58.8 | 62.0 | 74.6 | 82.0 | 78.4 | 74.8 | 61.2 | 47.4 | 35.0 | 58.0 |
| 1911 | 36.3 | 38.0 | 50.4 | 57.4 | 66.2 | 80.0 | 78.6 | 77.4 | 78.0 | 58.2 | 41.6 | 32.2 | 57.9 |
| 1912 | 22.4 | 33.7 | 34.6 | 56.2 | 69.2 | 71.6 | 82.2 | 80.0 | 67.5 | 60.0 | 46.7 | 35.6 | 55.0 |
| 1913 | 31.5 | 26.6 | 42.8 | 58.6 | 69.0 | 74.2 | 81.6 | 83.0 | 68.8 | 56.6 | 52.0 | 36.2 | 56.7 |
| 1914 | 42.2 | 34.3 | 47.6 | 57.3 | 65.6 | 80.8 | 85.3 | 80.6 | 76.0 | 60.2 | 51.2 | 27.2 | 59.0 |
| 1915 | 33.8 | 41.8 | 36.2 | 61.0 | 62.4 | 71.5 | 77.0 | 72.2 | 72.2 | 60.4 | 51.1 | 38.1 | 56.5 |
| 1916 | 28.6 | 36.2 | 51.8 | 53.5 | 67.6 | 73.4 | 82.2 | 82.2 | 70.6 | 60.4 | 46.4 | 32.1 | 57.1 |
| 1917 | 34.8 | 35.8 | 47.8 | 56.2 | 60.0 | 76.2 | 84.4 | 75.8 | 71.5 | 54.2 | 49.0 | 28.0 | 56.1 |
| 1918 | 23.0 | 38.8 | 52.3 | 52.7 | 70.0 | 79.7 | 80.8 | 84.0 | 67.3 | 62.6 | 45.4 | 38.3 | 57.9 |
| 1919 | 33.8 | 37.0 | 46.4 | 56.2 | 63.8 | 73.2 | 80.6 | 81.7 | 74.8 | 58.9 | 43.0 | 30.8 | 56.7 |
| 1920 | 34.4 | 39.8 | 48.8 | 52.8 | 66.6 | 75.4 | 80.6 | 74.8 | 72.2 | 62.7 | 42.8 | 37.0 | 57.3 |
| 1921 | 40.6 | 42.2 | 53.6 | 57.0 | 68.3 | 75.2 | 79.6 | 80.2 | 76.7 | 62.0 | 46.6 | 39.0 | 60.1 |
| 1922 | 31.8 | 37.7 | 47.3 | 57.7 | 66.8 | 77.2 | 80.0 | 82.6 | 75.3 | 62.0 | 49.8 | 37.6 | 58.8 |
| 1923 | 42.6 | 36.0 | 45.4 | 57.4 | 64.3 | 75.6 | 82.6 | 83.2 | 74.2 | 55.0 | 48.8 | 39.4 | 58.7 |
| 1924 | 30.0 | 39.4 | 39.2 | 57.6 | 60.7 | 78.8 | 76.6 | 81.6 | 69.5 | 63.5 | 49.2 | 27.9 | 56.2 |
| 1925 | 29.8 | 44.4 | 52.3 | 63.8 | 65.8 | 81.3 | 82.2 | 79.0 | 75.1 | 51.0 | 45.9 | 36.1 | 58.9 |
| 1926 | 35.2 | 45.5 | 44.4 | 51.5 | 67.8 | 76.2 | 80.1 | 81.3 | 72.8 | 62.8 | 43.0 | 34.4 | 57.9 |
| 1927 | 36.0 | 42.3 | 46.0 | 59.3 | 69.2 | 73.8 | 79.0 | 74.6 | 74.0 | 64.2 | 49.1 | 33.6 | 58.3 |
| 1928 | 39.0 | 40.0 | 49.6 | 54.0 | 66.6 | 71.0 | 80.6 | 79.4 | 72.2 | 62.9 | 46.2 | 38.8 | 58.4 |
| 1929 | 29.1 | 28.7 | 49.8 | 59.8 | 63.5 | 74.7 | 78.5 | 80.2 | 68.9 | 60.9 | 39.8 | 37.4 | 55.9 |
| 1930 | 20.9 | 50.2 | 45.4 | 63.0 | 65.8 | 76.1 | 82.6 | 82.6 | 75.6 | 58.8 | 49.3 | 36.5 | 58.9 |
| 1931 | 39.4 | 44.3 | 42.4 | 54.1 | 62.4 | 78.4 | 82.3 | 78.1 | 80.3 | 64.8 | 49.2 | 41.8 | 59.8 |
| 1932 | 32.9 | 44.8 | 40.8 | 60.8 | 67.1 | 75.6 | 82.4 | 80.6 | 71.9 | 58.7 | 43.0 | 29.9 | 57.4 |
| 1933 | 41.6 | 34.6 | 50.0 | 58.0 | 68.8 | 82.6 | 84.3 | 80.0 | 77.9 | 61.6 | 50.4 | 43.0 | 61.1 |
| 1934 | 38.6 | 40.4 | 48.1 | 59.2 | 69.9 | 80.9 | 86.8 | 86.2 | 68.5 | 64.0 | 50.2 | 37.3 | 60.8 |
| 1935 | 38.8 | 43.0 | 54.7 | 55.2 | 62.5 | 74.0 ^b | 84.4 | 82.6 | 70.7 | 59.7 | 42.2 | 35.8 | 58.6 |
| 1936 | 31.0 | 27.8 | 52.4 | 58.2 | 69.8 | 78.4 | 86.1 | 88.1 | 74.0 | 57.1 | 45.6 | 41.3 | 59.2 |
| 1937 | 24.8 | 37.2 | 43.8 | 58.2 | 69.1 | 76.2 | 84.1 | 85.4 | 73.1 | 59.8 | 44.4 | .... | .... |
| 1938 | 37.3 ^c | 40.2 | 54.0 | 56.8 | 65.5 ^b | 76.1 | 81.0 | 82.8 | 73.8 | 65.7 | 43.6 ^b | 37.6 ^b | 59.5 |
| 1939 | 40.2 | 32.5 | 48.6 | 56.6 ^b | 70.0 | 77.5 | 84.6 | 81.9 | 77.5 | 63.8 | 46.4 ^a | 40.4 ^a | 60.0 |
| 1940 | 20.0 | 36.8 | 48.2 | 57.4 | 66.2 | 75.0 | 82.9 | 78.8 | 72.2 | 65.2 ^d | 42.6 | 39.6 | 57.1 |
| 1941 | 36.6 ^a | 37.2 | 43.3 | 58.5 | 71.0 | 74.0 | 80.4 | 81.2 | 73.6 | 61.0 | 47.2 | 40.6 | 58.7 |
| 1942 | 33.0 | 34.8 | 47.5 | 60.2 | 66.4 ^a | 75.4 | 80.8 | 78.1 | 69.4 | 59.4 | 47.6 | 34.4 | 57.2 |
| 1943 | 33.2 | 42.6 | 41.7 | 62.0 | 62.8 | 80.4 | 85.2 | 87.8 | 71.4 | 59.0 | 45.7 | 34.1 | 58.8 |
| 1944 | 37.4 | 42.2 | 43.9 | 55.0 | 69.0 | 80.3 | 81.8 | 81.4 | 72.1 | 61.2 | 51.0 | 34.5 | 59.2 |
| 1945 | 36.1 | 37.8 | 53.2 | 54.9 | 65.8 | 72.9 | 81.6 | 83.6 | 73.2 | 59.2 | 49.6 | 31.8 | 58.3 |
| 1946 | 37.6 | 46.8 ^b | 55.6 | 63.6 | .... | .... | 86.0 | 82.6 | 73.8 | 62.8 | 47.2 | 42.0 | .... |
| Normal | 33.5 | 37.1 | 47.2 | 57.5 | 66.5 | 76.0 | 81.2 | 80.5 | 72.6 | 60.3 | 46.6 | 35.5 | 57.9 |

PHILLIPSBURG, PHILLIPS COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1891 | .... | .... | .... | .... | .... | .... | .... | .... | 68.0 | 54.6 | 40.9 | 33.2 | .... |
| 1892 | 27.5 | 31.6 | 34.4 | 49.3 | 56.2 | 66.3 | 77.0 | 75.6 | 70.0 | 59.6 | 43.5 | 24.8 | 51.3 |
| 1893 | 27.2 | 29.5 | 37.4 | 52.7 | 57.5 | 73.7 | 74.9 | 72.6 | 73.1 | 55.0 | 46.2 | 26.6 | 52.2 |
| 1894 | 25.2 | 19.6 | .... | 51.3 | 62.5 | 73.0 | 78.4 | 79.2 | 68.8 | 58.9 | 40.0 | 28.6 | .... |
| 1895 | 21.0 | 16.7 | 36.0 | 58.0 | 63.1 | 68.3 | 74.6 | 76.2 | 72.8 | 51.0 | 38.4 | 35.4 | 51.0 |
| 1896 | 34.2 | 37.6 | 34.0 | 55.5 | 64.6 | 73.8 | 75.8 | 75.7 | 63.0 | 52.8 | 32.0 | 37.2 | 53.0 |
| 1897 | .... | .... | 38.4 | 52.6 | 61.4 | 71.6 | .... | 72.8 | 73.0 | 58.2 | 37.6 | 27.8 | .... |
| 1898 | 30.6 | 33.2 | 39.6 | 49.8 | 59.3 | 72.7 | 77.8 | 77.3 | 67.5 | 49.8 | 32.7 | 28.6 | 51.6 |
| 1899 | 27.1 | 16.0 | 34.8 | 53.4 | 65.4 | 72.0 | 76.6 | 82.4 | 67.6 | 60.4 | 46.4 | 31.4 | 52.8 |
| 1900 | 32.8 | 26.6 | 40.4 | 50.2 | 64.8 | 75.0 | 79.3 | 84.8 | 70.1 | 61.6 | .... | .... | .... |
| 1901 | 25.4 | .... | .... | 54.3 | .... | 78.4 | 88.0 | 80.4 | 67.6 | 58.8 | 42.6 | 28.7 | .... |
| 1902 | 27.8 | 23.8 | 42.8 | 51.3 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1903 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1904 | .... | .... | .... | .... | .... | 69.6 | 74.8 | 72.8 | 68.3 | .... | .... | 30.0 | .... |
| 1905 | 19.1 | 20.8 | 47.2 | 51.8 | 60.7 | .... | .... | .... | .... | .... | .... | .... | .... |
| 1906 | .... | .... | .... | .... | .... | .... | .... | 76.2 | 68.9 | 53.2 | 42.0 | 34.6 | .... |
| 1907 | 25.4 | 34.3 | 49.4 | 47.6 | 57.9 | 72.0 | 78.6 | 79.8 | .... | .... | 37.8 | 30.6 | .... |
| 1908 | 34.8 | 34.0 | 45.4 | 55.4 | 61.4 | 70.8 | 75.6 | 75.1 | 72.0 | 54.0 | 43.0 | 34.4 | 54.7 |
| 1909 | 27.5 | 33.4 | 39.9 | 50.2 | 62.4 | 71.9 | 77.2 | 81.4 | 68.2 | .... | 44.8 | 18.2 | .... |
| 1910 | 25.7 | 30.1 | 55.4 | 58.0 | 59.4 | 71.8 | 77.6 | .... | 69.8 | 60.6 | 42.3 | 32.1 | .... |
| 1911 | 31.8 | 33.4 | 49.0 | 53.0 | 65.6 | 80.1 | 77.8 | 74.6 | 73.2 | 52.5 | 37.0 | 28.9 | 54.7 |
| 1912 | 17.2 | 32.0 | 28.9 | 53.4 | 66.4 | 68.2 | 80.0 | 76.8 | 65.2 | 55.4 | 44.4 | 35.0 | 51.9 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

PHILLIPSBURG, PHILLIPS COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|-------------------|------|------|------|------|------|--------|
| 1913 | 27.8 | 25.4 | 38.4 | 55.7 | 65.0 | 74.6 | 81.8 | 84.0 | 66.8 | 53.2 | 46.7 | 32.8 | 54.4 |
| 1914 | 36.8 | 28.4 | 40.6 | 53.8 | 62.9 | 76.3 | 78.4 | 77.0 | 68.6 | 57.0 | 46.3 | 19.4 | 53.8 |
| 1915 | 27.4 | 34.4 | 28.2 | 56.4 | 56.4 | 66.2 | 71.6 | 69.0 | 65.0 | 57.0 | 45.6 | 31.9 | 50.8 |
| 1916 | 20.5 | 31.1 | 45.7 | 48.2 | 61.0 | .... | .... | .... | 66.1 | 56.6 | 41.7 | 25.0 | .... |
| 1917 | 29.8 | 30.8 | 40.5 | 48.6 | 55.8 | 72.0 | 81.6 | 73.3 | 67.8 | 50.2 | 47.2 | 26.0 | 52.0 |
| 1918 | 18.2 | 34.0 | 48.0 | 45.8 | 66.2 | 76.8 | 77.3 | 81.0 | 63.6 | 59.7 | 41.8 | 34.6 | 53.9 |
| 1919 | 33.1 | 30.0 | 42.4 | 51.0 | 60.6 | 71.6 | 80.2 | 77.3 | 71.6 | 50.8 | 37.2 | 25.4 | 52.5 |
| 1920 | 31.8 | 34.8 | 44.1 | 45.8 | 60.6 | 71.8 | 78.2 | 71.8 | 68.2 | 60.2 | 39.2 | 30.8 | 53.1 |
| 1921 | 36.0 | 40.0 | 48.8 | 54.2 | 65.0 | 74.4 | 78.6 | 78.2 | 71.6 | 58.1 | 40.4 | 32.4 | 56.5 |
| 1922 | 24.6 | 29.0 | 40.4 | 54.0 | .... | 75.1 | 76.4 | 81.2 | 74.2 | 58.8 | 43.9 | 32.0 | .... |
| 1923 | 35.8 | 29.6 | 39.7 | 52.0 | 60.1 | 72.0 | 78.6 | 76.4 | 68.5 | .... | 45.0 | 35.2 | .... |
| 1924 | 22.5 | 34.4 | 34.2 | 55.1 | 57.8 | 72.9 | 76.2 | 78.4 | 64.8 | 60.0 | 43.3 | 19.1 | 51.6 |
| 1925 | 24.2 | 38.4 | 47.8 | 59.0 | 61.4 | 77.5 | 80.8 | 76.8 | 72.6 | 46.0 | 42.2 | 32.2 | 54.9 |
| 1926 | 32.5 | 40.8 | 40.4 | 50.7 | 67.4 | 73.0 | 79.8 | 79.8 | 67.8 | 58.7 | 39.0 | 29.8 | 54.9 |
| 1927 | 29.8 | 35.8 | 40.6 | 54.6 | 65.2 | 70.3 | 77.4 | 72.4 | 69.8 | 60.1 | 41.6 | 23.9 | 53.5 |
| 1928 | 33.6 | 35.0 | 44.9 | 51.2 | 65.4 | 65.4 | 76.9 | 76.2 | 66.5 | 55.6 | 41.5 | 33.4 | 53.8 |
| 1929 | 22.6 | 22.9 | 44.8 | 54.6 | 61.0 | 71.4 | 79.5 | 79.8 | 64.0 | 55.4 | 35.2 | 33.4 | 52.0 |
| 1930 | 16.6 | 45.4 | 40.8 | 56.6 | 61.6 | 71.2 | 81.6 | 77.7 | 68.5 | 53.6 | 42.4 | 32.4 | 54.0 |
| 1931 | 35.4 | 40.2 | 37.0 | 51.8 | 60.4 | 78.4 | 79.3 | 75.4 | 75.8 | 60.8 | 42.8 | 36.0 | 56.1 |
| 1932 | 22.9 | 33.2 | 35.2 | 56.8 | 65.0 | 73.0 | 82.8 | 79.2 | 67.0 | 53.0 | 40.4 | 25.8 | 52.9 |
| 1933 | 37.0 | 29.9 | 44.6 | 52.8 | 61.6 | 81.6 | 82.4 | 76.6 | 74.0 | 56.6 | 46.3 | 36.9 | 56.7 |
| 1934 | 35.6 | 34.8 | 43.4 | 56.4 | 72.2 | 80.1 | 88.5 | 83.2 | 64.4 | 62.2 | 46.0 | 29.6 | 58.0 |
| 1935 | 33.3 | 38.4 | 30.6 | 52.0 | 57.3 | 69.9 | 86.4 | 80.2 | 69.2 | 53.2 | 36.9 | 34.8 | 55.2 |
| 1936 | 24.6 | 17.5 | 45.7 | 52.6 | 68.0 | 78.4 | 88.0 | 84.8 | 71.9 | 54.1 | 42.8 | 34.2 | 55.2 |
| 1937 | 14.6 | 29.7 | 38.4 | 51.8 | 66.8 | 73.3 | 82.2 | 84.7 | 70.7 | 55.2 | 39.6 | 30.0 | 53.1 |
| 1938 | 31.6 | 34.0 | 48.2 | 53.2 | 62.4 | 74.2 | 82.4 | 83.4 | 72.1 | 64.6 | 41.4 | 34.4 | 56.8 |
| 1939 | 36.2 | 27.2 | 42.5 | 53.8 | 70.1 | 76.1 | 85.0 | 78.0 | 75.6 | 58.7 | 43.8 | 38.0 | 57.1 |
| 1940 | 13.2 | 31.2 | 41.6 | 52.2 | 62.8 | 75.8 | 83.4 | 76.4 | 70.6 | 61.8 | 36.2 | 33.3 | 53.2 |
| 1941 | 29.2 | 30.4 | 37.2 | 53.0 | 66.3 | 71.0 | 79.2 | 79.0 | 68.6 | 55.3 | 43.4 | 33.6 | 53.8 |
| 1942 | 27.8 | 29.3 | 41.8 | 55.5 | 61.7 | 71.5 | 81.0 | 76.2 | 64.0 | 56.5 | 41.0 | 29.4 | 53.0 |
| 1943 | 27.4 | 38.0 | 36.3 | 55.6 | 58.8 | 72.8 | 79.6 | 81.8 | 66.0 | 54.4 | 40.8 | 31.0 | 53.5 |
| 1944 | 33.2 | 31.1 | 33.7 | 45.8 | 65.8 | 73.0 | 77.0 | 76.8 | 67.2 | 57.8 | 41.6 | 29.8 | 52.7 |
| 1945 | 31.3 | 34.7 | 48.0 | 49.0 | 59.2 | 64.7 | 76.6 | 78.8 | 67.2 | 56.2 | 43.0 | 23.7 | 52.6 |
| 1946 | 32.6 | 38.5 | 50.2 | 60.2 | 57.8 | 75.0 | 80.0 ^b | 76.2 | 66.7 | 55.4 | 40.0 | 35.2 | 55.6 |
| Normal | 27.9 | 31.6 | 42.2 | 52.8 | 62.0 | 72.5 | 80.0 | 77.2 | 69.0 | 56.6 | 41.8 | 30.7 | 53.7 |

PRATT, PRATT COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1896 | 34.4 | 38.0 | 39.6 | 61.1 | 70.4 | 76.4 | 76.7 | 80.2 | 67.4 | 55.6 | 39.4 | 40.6 | 56.6 |
| 1897 | 26.4 | 34.4 | 41.1 | 53.6 | 65.2 | 76.2 | 82.6 | 83.6 | 69.4 | 56.1 | 41.4 | 35.8 | 53.3 |
| 1898 | 34.1 | 40.6 | 40.5 | .... | .... | 78.9 | .... | 80.0 | 68.3 | .... | .... | .... | .... |
| 1899 | 31.0 | 20.7 | 40.0 | 54.9 | 67.8 | 73.2 | 76.7 | 82.1 | 69.6 | 60.7 | 49.2 | 33.4 | 54.9 |
| 1900 | 36.2 | 31.0 | 43.0 | 55.2 | 66.2 | 75.2 | 79.7 | 80.8 | 72.3 | 62.3 | 44.7 | .... | .... |
| 1901 | 35.3 | 30.6 | 44.4 | 53.3 | 63.3 | 78.0 | 84.5 | 80.2 | 71.0 | 60.3 | 46.9 | 34.1 | 56.8 |
| 1902 | 32.0 | 29.1 | 44.6 | 56.0 | 67.4 | 71.8 | 76.3 | 79.0 | 63.7 | 59.0 | 46.1 | 28.8 | 54.5 |
| 1903 | 33.1 | 29.4 | 43.4 | 55.9 | 62.0 | 67.2 | 82.5 | 79.4 | 70.9 | 59.4 | 44.6 | .... | .... |
| 1904 | 32.5 | 36.1 | 50.2 | .... | 44.8 | 71.2 | 75.4 | 75.4 | 71.0 | 61.2 | 47.6 | 31.7 | .... |
| 1905 | 22.9 | 23.9 | 51.8 | 53.4 | 64.0 | 78.0 | 77.1 | 79.8 | 72.6 | 55.5 | 47.0 | 33.8 | 55.0 |
| 1906 | 36.2 | 37.2 | 35.9 | 57.6 | 66.8 | 74.4 | 75.2 | 76.4 | 71.6 | 55.6 | 44.3 | 37.3 | 55.7 |
| 1907 | 32.2 | 36.4 | 54.2 | 49.2 | .... | 72.8 | 77.4 | 77.9 | 70.3 | 58.0 | 44.2 | .... | .... |
| 1908 | 39.8 | 39.0 | 50.8 | 57.6 | 65.8 | 70.8 | 76.9 | 77.7 | 71.4 | 56.9 | 46.0 | 38.8 | 57.6 |
| 1909 | 30.1 | 40.4 | 44.2 | 53.6 | 63.4 | 74.3 | 77.9 | 80.8 | 70.9 | 57.1 | 48.4 | 24.6 | 55.5 |
| 1910 | 32.0 | 31.8 | 53.8 | 57.7 | 61.4 | 74.0 | 81.2 | .... | .... | .... | .... | .... | .... |
| 1911 | .... | 35.4 | 49.4 | .... | .... | 81.8 | 80.3 | 77.6 | 78.2 | 58.3 | 40.8 | 31.0 | .... |
| 1912 | 22.8 | 34.4 | 33.0 | 57.0 | 69.2 | 71.6 | 82.4 | 81.2 | 68.5 | 60.0 | 48.2 | 36.0 | 55.4 |
| 1913 | 32.4 | 27.6 | 42.2 | 58.2 | 68.6 | 74.2 | 83.2 | 86.0 | 68.9 | 56.2 | 51.8 | 35.8 | 57.2 |
| 1914 | 41.0 | 31.4 | 45.0 | .... | .... | 78.1 | 82.2 | 79.6 | 74.2 | 58.8 | .... | 25.0 | .... |
| 1915 | 32.4 | 40.6 | 35.3 | 59.4 | 61.3 | 71.0 | 76.5 | 71.3 | 71.8 | 60.4 | 49.8 | 37.4 | 55.6 |
| 1916 | 26.8 | 35.0 | 50.2 | 52.8 | 66.7 | 71.8 | 82.3 | 81.2 | 70.0 | 58.6 | 46.8 | .... | .... |
| 1917 | 34.0 | 33.6 | 45.9 | 53.2 | 58.0 | 74.0 | 82.2 | 74.0 | 70.1 | 52.0 | 48.2 | 26.6 | 54.3 |
| 1918 | 21.2 | 36.8 | 50.5 | .... | 66.8 | 79.6 | 80.8 | 83.3 | 65.8 | 57.6 | 43.6 | 36.6 | .... |
| 1919 | 34.8 | 32.9 | 44.5 | 55.2 | 62.2 | 72.1 | 80.4 | 81.3 | 72.3 | 55.0 | 40.6 | 30.2 | 55.1 |
| 1920 | 35.2 | .... | 49.8 | 52.0 | 65.2 | 75.0 | 81.4 | 75.0 | 72.0 | 62.6 | 41.7 | 36.0 | .... |
| 1921 | 39.0 | 41.0 | .... | 56.6 | 68.2 | 75.4 | 81.1 | 81.5 | 77.2 | 62.2 | 46.7 | 37.4 | .... |
| 1922 | 31.2 | 36.7 | 46.0 | 56.2 | 66.0 | 76.2 | 77.2 | 82.7 | 75.2 | 61.9 | 48.2 | 37.8 | 57.9 |
| 1923 | 42.4 | 34.8 | 44.2 | 56.2 | 63.1 | 75.1 | 81.6 | 82.5 | 75.5 | 53.6 | 47.7 | 38.6 | 57.8 |
| 1924 | 30.2 | 39.0 | 37.4 | 56.6 | 60.6 | 77.2 | 77.8 | 82.2 | 65.6 | 62.2 | 49.0 | 26.9 | 55.4 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

FRATT, FRATT COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------------------|-------------------|-------------------|------|-------------------|-------------------|-------------------|------|------|-------------------|------|--------|
| 1925 | 28.8 | 42.2 | 50.8 | 61.4 | 64.6 | 80.6 | 81.5 | 78.4 | 73.4 | 49.4 | 44.8 | 36.3 | 57.7 |
| 1926 | 34.9 | 44.8 | 43.6 | 50.6 | 66.7 | 75.4 | 79.9 | 81.2 | 71.8 | 60.8 | 43.4 | 34.9 | 57.3 |
| 1927 | 34.2 | 40.7 | 44.4 | 58.4 | 66.8 | 73.6 | 79.4 | 72.9 | 71.4 | 63.0 | 46.9 | 32.2 | 57.0 |
| 1928 | 38.1 | 38.8 | 48.5 | 52.8 | 65.2 | 69.4 | 79.8 | 78.6 | 70.2 | 60.2 | 45.0 | 37.7 | 57.0 |
| 1929 | 27.0 | 27.2 | 47.6 | 58.7 | 62.1 | 74.8 | 81.0 | 81.8 | 69.4 | 58.8 | 37.6 | 36.8 | 55.2 |
| 1930 | 21.5 | 49.4 | 43.6 | 61.4 | 65.1 | 75.8 | 83.0 | 82.4 | 74.3 | 57.2 | 48.6 | 34.5 | 58.1 |
| 1931 | 39.0 | 43.4 | 40.7 | 54.8 | 62.2 | 79.6 | 82.8 | 78.2 | 79.7 | 64.0 | 48.2 | 41.0 | 59.5 |
| 1932 | 30.7 | 43.8 | 38.1 | 58.2 | 65.6 | 75.2 | 83.2 | 80.8 | 71.2 | 56.7 | 43.2 | 30.2 | 56.4 |
| 1933 | 42.0 | 34.3 | 49.1 | 56.8 | 68.0 | 83.2 | 84.4 | 79.4 | 77.0 | 60.5 | 50.4 | 42.6 | 60.6 |
| 1934 | 37.8 | 39.6 | 47.3 | 58.0 | 70.6 | 81.7 | 87.8 | 85.8 | 67.2 | 64.2 | 49.0 | 35.7 | 60.4 |
| 1935 | 36.3 ^c | 41.6 | 53.8 | 53.8 | 61.4 | 72.9 | 85.7 | 82.4 | 70.5 | 58.2 | 40.0 ^b | 35.0 | 57.6 |
| 1936 | 30.0 | 25.6 | 51.8 | 57.5 | 70.2 | 79.8 | 87.6 ^b | 72.8 | 56.8 | 45.4 | 40.0 | 58.8 | 57.6 |
| 1937 | 22.3 | 35.3 | 43.0 | 57.2 | 69.0 | 76.0 | 83.9 | 85.2 | 72.6 | 59.6 | 42.5 | 34.1 | 56.7 |
| 1938 | 36.9 | 41.2 ^b | 52.8 | 56.6 | 65.2 | 75.4 | 81.7 | 83.5 | 74.6 | 67.0 | 45.0 | 38.9 | 59.9 |
| 1939 | 41.1 | 33.4 | 48.6 | 57.5 | 70.4 | 77.0 | 85.3 | 80.2 | 76.6 | 64.4 | 47.0 | 42.2 | 60.3 |
| 1940 | 18.6 | 36.0 | 47.2 | 56.8 | 67.1 | 75.4 ^b | 82.8 | 78.5 | 72.4 | 65.8 | 43.0 | 39.4 | 56.9 |
| 1941 | 35.8 | 36.6 | 42.0 | 58.2 | 70.0 | 73.9 | 81.4 | 81.4 | 74.0 | 60.2 | 47.8 | 40.6 | 58.5 |
| 1942 | 34.0 | 34.5 | 48.0 | 60.2 | 66.2 | 75.6 | 82.6 | 78.7 | 69.4 | 60.8 | 48.0 | 34.0 | 57.7 |
| 1943 | 34.4 | 43.6 | 41.4 | 61.5 | 62.6 | 77.8 ^b | 83.0 | 85.7 | 70.1 | 57.8 | 45.2 ^b | 31.3 | 57.0 |
| 1944 | 35.0 | 38.9 | 42.0 | 52.2 ^a | 66.8 | 78.9 | 79.7 | 80.4 ^b | 70.4 | 60.1 | 47.4 | 32.2 | 57.9 |
| 1945 | 36.2 ^b | 36.2 | 51.9 | 53.4 | 64.2 | 70.0 | 79.5 | 80.5 | 70.6 | 59.0 | 48.2 | 30.2 | 56.5 |
| 1946 | 34.7 | 44.2 | 53.0 ^a | 61.9 | 62.3 | 77.4 | 84.6 | 78.8 | 70.7 | 59.2 | 45.0 | 40.2 | 59.5 |
| Normal | 32.7 | 35.8 | 45.7 | 56.2 | 64.5 | 75.3 | 81.0 | 80.1 | 71.7 | 59.4 | 45.9 | 35.0 | 56.9 |

SALINA, SALINE COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1882 | .... | .... | .... | .... | .... | .... | .... | 76.0 | 70.0 | 59.9 | 40.7 | 29.8 | .... |
| 1883 | 20.6 | .... | 39.9 | 59.2 | 66.7 | 73.0 | 79.5 | 72.0 | 66.0 | 51.9 | 40.4 | 31.9 | .... |
| 1884 | 22.9 | 25.2 | 40.8 | 49.6 | 62.4 | 75.6 | 79.6 | 74.8 | 77.3 | .... | 42.0 | 23.2 | .... |
| 1885 | 20.7 | 26.2 | .... | 55.4 | 66.1 | 76.0 | 79.9 | 75.2 | 69.0 | 54.0 | 43.0 | 35.0 | .... |
| 1886 | 20.9 | 37.0 | 40.0 | 50.8 | 70.2 | 75.1 | 84.5 | 80.7 | 73.4 | 62.4 | 49.0 | 29.4 | .... |
| 1887 | 26.0 | 30.2 | 43.5 | 58.1 | 71.3 | 76.9 | 82.6 | 84.1 | 71.2 | 56.3 | 44.5 | 28.2 | 56.1 |
| 1888 | 23.7 | 36.2 | 36.4 | 55.2 | 64.4 | 78.4 | 84.0 | 81.7 | 70.8 | 60.0 | 43.7 | 38.8 | 56.1 |
| 1889 | 31.3 | 30.5 | 45.0 | 60.1 | 65.4 | 73.7 | 79.5 | 77.2 | 53.6 | 58.8 | 40.3 | 44.4 | 55.0 |
| 1890 | 23.9 | 32.3 | 40.5 | 57.2 | 65.4 | 79.3 | 86.3 | 76.5 | 65.1 | 55.3 | 42.9 | 35.2 | 55.0 |
| 1891 | 31.5 | 28.4 | 34.3 | 57.3 | 62.2 | 71.2 | 76.2 | 76.3 | 70.8 | 55.4 | 39.6 | 37.7 | .... |
| 1892 | 24.5 | 34.9 | 38.2 | 52.2 | 58.4 | 74.4 | 79.0 | 76.6 | 70.7 | 56.6 | 41.8 | 26.9 | .... |
| 1893 | 28.6 | 28.2 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1894 | .... | .... | .... | .... | 65.2 | 75.9 | 81.2 | 80.5 | .... | 65.2 | 50.3 | 29.6 | .... |
| 1895 | 20.8 | 24.4 | 40.2 | 54.9 | 65.4 | .... | .... | 77.9 | 74.1 | 51.6 | 41.1 | 34.2 | .... |
| 1896 | 32.6 | 37.1 | 37.7 | 62.4 | 70.0 | 74.2 | 79.0 | 79.6 | 66.2 | 53.8 | 36.6 | 39.0 | 55.7 |
| 1897 | 27.1 | 31.4 | 43.0 | 54.1 | 63.9 | 78.4 | 82.5 | 78.0 | 74.9 | 60.6 | 41.6 | 28.0 | 55.3 |
| 1898 | 29.8 | 34.8 | 42.6 | 53.4 | 63.2 | 76.8 | 79.9 | 81.2 | 71.4 | 53.8 | 37.8 | 26.8 | 54.3 |
| 1899 | 28.6 | 17.2 | 35.3 | 54.6 | 68.4 | 74.4 | 75.9 | 81.4 | 70.6 | 62.6 | 47.9 | 30.3 | 53.9 |
| 1900 | 33.2 | 26.6 | 40.3 | 55.9 | 65.2 | 74.7 | 78.8 | 83.0 | 70.4 | 61.6 | 40.6 | 33.6 | 55.3 |
| 1901 | 31.2 | 24.7 | 41.4 | 52.8 | 62.2 | 76.2 | 86.4 | 80.0 | 70.4 | 61.9 | 45.0 | 30.0 | 55.2 |
| 1902 | 28.5 | 24.2 | 46.9 | 56.4 | 69.6 | 71.0 | 77.4 | 77.4 | 64.7 | 60.3 | 47.8 | 26.3 | 54.2 |
| 1903 | 31.7 | 27.0 | 43.8 | 55.4 | 63.0 | 67.8 | 78.7 | 76.4 | 67.6 | 58.2 | 41.8 | 33.6 | 53.6 |
| 1904 | 28.6 | 33.1 | 46.9 | 50.6 | 61.6 | 70.2 | 76.0 | 75.5 | 70.8 | 59.8 | 45.0 | 31.2 | 54.1 |
| 1905 | 20.0 | 20.1 | 52.2 | 54.4 | 63.4 | 74.8 | 74.5 | 80.0 | 72.2 | 54.0 | 45.5 | 32.3 | 53.6 |
| 1906 | 34.4 | 37.2 | 33.5 | 58.6 | 65.4 | 69.4 | 74.3 | 77.6 | 71.1 | 54.9 | 41.7 | 37.0 | 54.6 |
| 1907 | 28.7 | 32.7 | 51.3 | 48.8 | 59.5 | 73.4 | 80.0 | 80.6 | 70.4 | 57.6 | 43.0 | 34.0 | 55.0 |
| 1908 | 35.8 | 36.2 | 47.8 | 56.8 | 63.7 | 72.8 | 75.8 | 75.4 | 70.4 | 55.1 | 42.0 | 35.4 | 55.6 |
| 1909 | 27.0 | 37.4 | 42.2 | 53.5 | 63.0 | 73.4 | 78.2 | 80.9 | 69.8 | 57.2 | 48.2 | 21.2 | 54.3 |
| 1910 | 27.8 | 29.4 | 55.4 | 58.5 | 58.2 | 71.0 | 79.9 | 75.0 | 67.4 | 59.4 | 42.8 | 32.0 | 54.7 |
| 1911 | 32.0 | 34.3 | 46.7 | 56.0 | 68.2 | 81.2 | 79.7 | 77.2 | 77.0 | 55.4 | 38.4 | 30.2 | 56.4 |
| 1912 | 16.4 | 30.1 | 31.4 | 55.9 | 68.8 | 70.8 | 81.6 | 78.4 | 66.0 | .... | .... | .... | .... |
| 1913 | 28.6 | 26.2 | 39.7 | 57.8 | 67.8 | 75.8 | 85.3 | 86.0 | 68.8 | 53.2 | 47.4 | 33.8 | 55.9 |
| 1914 | 35.2 | 28.8 | 43.6 | 53.5 | 67.7 | 79.8 | 80.7 | 76.6 | 72.4 | 57.2 | 47.3 | 21.1 | 55.0 |
| 1915 | 26.8 | 35.8 | 31.8 | 59.3 | 60.2 | 68.0 | 73.7 | 69.6 | 68.2 | .... | 47.0 | 33.5 | .... |
| 1916 | 22.7 | 28.6 | 46.6 | 49.6 | 63.5 | 69.9 | 82.0 | .... | 68.2 | 58.4 | 44.6 | 27.2 | .... |
| 1917 | 31.8 | 31.2 | 44.8 | 52.5 | 58.1 | 74.4 | 81.6 | 74.2 | 70.3 | 50.9 | 48.4 | 25.0 | 53.6 |
| 1918 | 18.2 | 35.4 | 50.1 | 49.0 | 69.6 | 79.2 | 80.0 | 85.1 | 64.7 | 60.4 | 43.6 | 35.4 | 55.9 |
| 1919 | 30.1 | 32.9 | 43.8 | 52.8 | 61.4 | 72.4 | 82.0 | 79.8 | 73.8 | 54.8 | 40.0 | 26.4 | 54.2 |
| 1920 | 31.8 | 37.1 | 46.8 | 48.2 | 64.0 | 74.9 | 79.8 | 75.4 | 73.2 | 62.4 | 40.4 | 35.6 | 55.8 |
| 1921 | 37.8 | 40.3 | 51.6 | 56.7 | 67.4 | 75.4 | 81.4 | 82.0 | 76.8 | 60.4 | 42.7 | 33.4 | 58.8 |
| 1922 | 29.6 | 33.1 | 43.4 | 56.1 | 64.8 | 76.2 | 77.8 | 82.9 | 75.0 | 61.0 | 46.1 | 34.4 | 56.7 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

SALINA, SALINE COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|-------------------|------|------|------|-------------------|------|--------|
| 1923 | 38.6 | 31.9 | 41.8 | 54.0 | 61.0 | 74.0 | 79.0 | 79.1 | 71.2 | 53.4 | 45.0 | 36.8 | 55.5 |
| 1924 | 24.0 | 35.5 | 36.2 | 55.6 | 58.6 | 75.4 | 77.2 | 80.8 | 66.1 | 62.0 | 46.6 | 24.1 | 53.5 |
| 1925 | 22.4 | 40.1 | 48.5 | 60.9 | 62.9 | 79.3 | 81.8 | 78.4 | 74.0 | 47.9 | 42.2 | 33.8 | 56.0 |
| 1926 | 32.1 | 41.2 | 41.2 | 49.9 | 67.0 | 73.4 | 80.8 | 81.4 | 70.6 | 60.4 | 40.1 | 32.2 | 55.9 |
| 1927 | 31.3 | 37.6 | 43.2 | 57.4 | 64.5 | 72.2 | 78.4 | 73.4 | 71.0 | 62.0 | 44.6 | 29.2 | 55.4 |
| 1928 | 35.6 | 38.5 | 49.0 | 53.6 | 65.2 | 68.9 | 79.2 | 79.7 | 69.2 | 61.0 | 45.0 | 38.1 | 56.9 |
| 1929 | 24.4 | 26.8 | 49.1 | 59.0 | 63.2 | 73.4 | 80.6 | 80.0 | 68.4 | 58.8 | 37.6 | 35.7 | 54.8 |
| 1930 | 19.2 | 49.6 | 44.4 | 61.5 | 65.2 | 74.0 | 83.3 | 81.0 | 73.0 | 57.5 | 48.4 | 35.1 | 57.7 |
| 1931 | 38.7 | 43.4 | 41.0 | 55.6 | 62.4 | 81.8 | 84.3 | 79.9 | 81.0 | 63.2 | 47.6 | 40.6 | 60.0 |
| 1932 | 27.0 | 40.8 | 37.4 | 60.0 | 68.2 | 76.5 | 84.1 | 81.4 | 70.2 | 56.8 | 42.4 | 29.0 | 56.2 |
| 1933 | 40.6 | 32.3 | 47.4 | 57.0 | 66.6 | 84.8 | 83.8 | 79.6 | 76.8 | 59.8 | 48.9 | 40.4 | 59.8 |
| 1934 | 36.0 | 36.6 | 45.4 | 59.7 | 71.4 | 83.0 | 89.8 | 87.1 | 67.5 | 64.2 | 48.6 | 33.8 | 60.3 |
| 1935 | 35.0 | 39.8 | 53.0 | 53.3 | 60.6 | 72.6 | 87.0 | 82.8 | 71.7 | 56.7 | 41.4 | 34.2 | 57.3 |
| 1936 | 26.3 | 22.8 | 50.5 | 56.7 | 70.0 | 79.9 | 88.6 | 88.4 | 74.8 | 56.2 | 44.3 | 39.7 | 58.2 |
| 1937 | 21.4 | 32.4 | 41.2 | 56.5 | 68.8 | 77.4 | 84.6 | 86.3 | 73.8 | 58.9 | 42.3 | 33.9 | 56.5 |
| 1938 | 36.6 | 38.4 | 52.2 | 57.3 | 65.4 | 76.5 | 84.3 | 86.3 | 75.6 | 68.4 | 44.4 | 37.8 | 60.3 |
| 1939 | 40.2 | 31.3 | 47.0 | 56.6 | 71.3 | 78.0 | 86.9 | 80.4 | 77.8 | 64.0 | 46.4 | 40.6 | 60.0 |
| 1940 | 15.6 | 33.7 | 46.0 | 55.9 | 65.6 | 76.6 | 84.8 | 78.4 | 72.6 | 66.2 | 41.6 | 36.0 | 56.1 |
| 1941 | 33.8 | 34.8 | 42.0 | 59.2 | 70.6 | 75.4 | 82.8 | 81.8 | 74.0 | 60.0 | 46.6 | 40.1 | 58.4 |
| 1942 | 32.4 | 33.7 | 46.2 | 60.8 | 64.8 | 74.6 | 83.2 | 79.0 | 68.8 | 60.1 | 48.0 ^b | 33.2 | 57.1 |
| 1943 | 30.1 | 42.2 | 41.5 | 60.8 | 63.0 | 78.0 | 82.2 ^b | 86.5 | 70.6 | 59.2 | 44.8 | 32.4 | 57.6 |
| 1944 | 37.9 | 39.3 | 40.7 | 51.6 | 69.1 | 79.2 | 80.8 | 81.3 | 72.0 | 60.9 | 48.8 | 31.8 | 57.8 |
| 1945 | 35.3 | 36.4 | 52.6 | 54.8 | 63.4 | 70.0 | 79.6 | 81.4 | 71.7 | 59.6 | 47.6 | 28.8 | 56.8 |
| 1946 | 36.4 | 44.8 | 54.8 | 61.2 | 61.3 | 78.6 | 83.8 | 79.4 | 69.0 | 60.0 | 44.8 | 38.5 | 59.4 |
| Normal | 29.7 | 33.2 | 44.5 | 55.5 | 64.8 | 74.9 | 81.0 | 79.9 | 71.3 | 58.8 | 44.2 | 32.9 | 55.9 |

WICHITA, SEDGWICK COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1888 | .... | .... | .... | .... | .... | .... | 81.5 | 76.4 | 69.0 | 56.6 | 39.7 | 38.6 | .... |
| 1889 | 32.8 | 31.5 | 46.5 | 57.8 | 64.7 | 70.3 | 77.4 | 75.5 | 66.4 | 56.4 | 39.4 | 46.4 | 55.4 |
| 1890 | 29.9 | 35.3 | 43.6 | 57.0 | 64.5 | 77.2 | 82.4 | 77.2 | 66.2 | 58.0 | 45.9 | 39.7 | 56.4 |
| 1891 | 33.6 | 33.0 | 37.8 | 58.5 | 62.4 | 72.0 | 74.6 | 76.0 | 71.4 | 57.8 | 42.6 | 40.9 | 55.0 |
| 1892 | 29.1 | 38.5 | 39.6 | 54.6 | 61.7 | 74.9 | 77.4 | 77.5 | 71.6 | 59.6 | 44.0 | 27.6 | 54.7 |
| 1893 | 30.6 | 31.5 | 44.9 | 57.8 | 63.1 | 74.8 | 80.6 | 75.0 | 72.8 | 59.8 | 42.4 | 39.7 | 56.1 |
| 1894 | 32.1 | 28.0 | 49.0 | 60.0 | 66.3 | 75.2 | 78.2 | 79.2 | 70.8 | 61.4 | 46.0 | 37.8 | 57.0 |
| 1895 | 27.8 | 27.0 | 45.3 | 61.1 | 67.4 | 74.5 | 76.6 | 77.1 | 75.2 | 54.8 | 43.4 | 35.4 | 55.5 |
| 1896 | 35.7 | 40.2 | 41.4 | 63.7 | 71.8 | 74.2 | 78.4 | 81.6 | 68.3 | 56.8 | 41.8 | 42.4 | 58.0 |
| 1897 | 30.8 | 35.9 | 45.7 | 56.1 | 65.1 | 76.9 | 81.2 | 78.2 | 75.2 | 63.6 | 45.8 | 32.0 | 57.2 |
| 1898 | 34.3 | 39.0 | 44.4 | 54.6 | 65.0 | 75.6 | 77.4 | 77.3 | 72.0 | 56.4 | 41.0 | 30.6 | 55.6 |
| 1899 | 31.6 | 21.2 | 39.1 | 56.2 | 68.4 | 73.3 | 77.4 | 82.0 | 70.0 | 64.4 | 50.9 | 33.3 | 55.6 |
| 1900 | 37.4 | 29.8 | 44.2 | 58.2 | 66.3 | 75.8 | 78.4 | 81.7 | 72.2 | 63.3 | 44.4 | 37.2 | 57.4 |
| 1901 | 35.2 | 31.1 | 44.4 | 54.4 | 65.4 | 78.7 | 85.4 | 80.6 | 70.4 | 62.3 | 47.5 | 32.6 | 57.3 |
| 1902 | 31.8 | 28.6 | 47.2 | 56.8 | 69.2 | 72.8 | 78.0 | 79.5 | 64.8 | 61.2 | 47.9 | 30.6 | 55.7 |
| 1903 | 34.8 | 29.6 | 45.5 | 56.8 | 62.9 | 68.9 | 80.2 | 77.1 | 68.8 | 59.2 | 42.8 | 36.9 | 55.3 |
| 1904 | 32.6 | 35.5 | 48.9 | 52.7 | 63.4 | 72.0 | 76.7 | 76.0 | 73.1 | 61.0 | 49.2 | 33.7 | 56.2 |
| 1905 | 23.2 | 23.2 | 52.6 | 55.2 | 64.6 | 76.6 | 76.0 | 79.6 | 72.8 | 55.2 | 47.8 | 35.1 | 55.2 |
| 1906 | 36.4 | 36.9 | 34.2 | 60.2 | 66.2 | 73.3 | 74.4 | 77.3 | 71.4 | 55.4 | 42.5 | 38.2 | 55.5 |
| 1907 | 33.6 | 36.7 | 54.6 | 50.0 | 59.1 | 73.4 | 79.5 | 79.4 | 71.8 | 58.6 | 44.9 | 38.0 | 56.6 |
| 1908 | 37.6 | 39.3 | 50.6 | 56.6 | 65.3 | 73.1 | 76.6 | 77.1 | 70.1 | 56.2 | 46.3 | 38.0 | 57.1 |
| 1909 | 30.6 | 38.0 | 43.2 | 54.8 | 63.7 | 74.4 | 79.6 | 81.0 | 72.5 | 59.0 | 50.8 | 24.8 | 56.0 |
| 1910 | 33.0 | 30.8 | 58.1 | 58.7 | 61.6 | 73.3 | 81.4 | 77.4 | 72.2 | 61.3 | 46.4 | 35.1 | 57.4 |
| 1911 | 35.4 | 37.6 | 48.4 | 55.4 | 67.6 | 81.5 | 78.1 | 77.2 | 76.1 | 57.2 | 40.6 | 33.6 | 57.4 |
| 1912 | 21.8 | 32.0 | 33.6 | 54.7 | 68.0 | 70.8 | 81.6 | 78.2 | 67.7 | 60.6 | 46.8 | 36.2 | 54.3 |
| 1913 | 30.6 | 26.9 | 40.8 | 59.0 | 67.9 | 75.0 | 82.4 | 85.6 | 69.1 | 55.0 | 51.2 | 35.4 | 56.6 |
| 1914 | 38.5 | 32.0 | 46.2 | 56.0 | 64.8 | 79.6 | 82.4 | 78.6 | 73.6 | 59.3 | 50.9 | 25.7 | 57.3 |
| 1915 | 32.0 | 39.6 | 33.8 | 60.8 | 61.2 | 70.7 | 76.1 | 71.0 | 70.4 | 60.8 | 51.1 | 37.6 | 55.4 |
| 1916 | 27.1 | 33.4 | 48.7 | 52.2 | 66.2 | 72.4 | 83.0 | 81.6 | 69.3 | 58.8 | 46.2 | 31.0 | 55.8 |
| 1917 | 33.8 | 32.8 | 45.7 | 54.2 | 58.6 | 74.8 | 82.2 | 74.7 | 70.4 | 51.9 | 49.4 | 26.4 | 54.6 |
| 1918 | 19.4 | 36.1 | 50.9 | 50.8 | 68.0 | 79.8 | 78.7 | 83.7 | 65.4 | 61.4 | 44.8 | 37.4 | 56.4 |
| 1919 | 32.4 | 34.0 | 46.6 | 54.4 | 63.2 | 73.6 | 81.4 | 80.4 | 74.3 | 56.2 | 41.5 | 28.2 | 55.5 |
| 1920 | 31.7 | 37.1 | 47.1 | 51.0 | 65.4 | 73.6 | 78.5 | 74.4 | 71.2 | 62.8 | 40.9 | 35.8 | 55.8 |
| 1921 | 39.1 | 42.2 | 51.2 | 56.2 | 67.8 | 74.7 | 81.0 | 79.8 | 75.3 | 61.2 | 45.6 | 36.6 | 59.2 |
| 1922 | 30.8 | 35.8 | 44.8 | 55.5 | 66.2 | 76.1 | 77.5 | 80.8 | 73.4 | 60.9 | 47.6 | 36.4 | 57.2 |
| 1923 | 41.4 | 33.6 | 41.6 | 55.8 | 62.6 | 74.3 | 80.8 | 81.4 | 71.8 | 53.8 | 47.3 | 38.6 | 56.9 |
| 1924 | 27.9 | 37.4 | 37.6 | 56.2 | 59.3 | 76.9 | 77.0 | 80.8 | 67.2 | 63.4 | 48.1 | 27.0 | 54.9 |
| 1925 | 26.2 | 41.2 | 50.4 | 62.2 | 64.5 | 80.0 | 81.0 | 79.6 | 74.0 | 49.0 | 45.2 | 34.2 | 57.3 |
| 1926 | 33.4 | 43.3 | 42.1 | 50.3 | 67.4 | 73.6 | 78.8 | 79.8 | 69.4 | 59.8 | 41.8 | 34.0 | 56.1 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

WICHITA, SEDGWICK COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1927 | 33.4 | 40.8 | 44.9 | 59.0 | 65.8 | 72.5 | 78.0 | 72.4 | 71.0 | 63.5 | 46.2 | 29.6 | 56.4 |
| 1928 | 36.3 | 38.6 | 48.0 | 52.8 | 66.5 | 69.3 | 79.3 | 79.8 | 70.4 | 62.2 | 44.9 | 37.6 | 57.1 |
| 1929 | 26.4 | 27.4 | 49.1 | 58.4 | 61.8 | 73.7 | 79.2 | 80.7 | 69.6 | 59.6 | 38.0 | 36.3 | 55.0 |
| 1930 | 19.0 | 48.6 | 44.0 | 62.0 | 63.8 | 74.4 | 82.3 | 80.7 | 72.9 | 56.6 | 47.0 | 35.6 | 57.2 |
| 1931 | 39.0 | 43.6 | 41.1 | 54.2 | 61.6 | 77.8 | 81.6 | 77.2 | 79.4 | 64.2 | 49.4 | 42.1 | 59.3 |
| 1932 | 32.4 | 43.2 | 38.1 | 59.9 | 67.0 | 75.0 | 82.8 | 80.6 | 71.5 | 56.8 | 42.4 | 31.4 | 56.8 |
| 1933 | 42.5 | 33.6 | 47.6 | 57.5 | 67.8 | 82.6 | 82.5 | 78.2 | 76.0 | 60.0 | 49.5 | 40.6 | 59.9 |
| 1934 | 36.5 | 37.9 | 45.0 | 57.8 | 69.2 | 82.2 | 88.2 | 85.3 | 66.4 | 64.2 | 49.6 | 34.2 | 59.7 |
| 1935 | 35.7 | 39.4 | 52.4 | 52.8 | 60.7 | 71.2 | 84.6 | 82.0 | 70.6 | 57.4 | 41.8 | 34.8 | 57.0 |
| 1936 | 28.0 | 25.0 | 51.0 | 56.5 | 69.6 | 79.0 | 87.8 | 89.0 | 74.2 | 56.1 | 44.8 | 39.8 | 58.4 |
| 1937 | 24.3 | 33.7 | 40.6 | 56.0 | 67.6 | 76.4 | 81.8 | 84.0 | 72.0 | 58.4 | 42.0 | 33.6 | 55.9 |
| 1938 | 35.6 | 38.9 | 51.9 | 56.7 | 64.6 | 74.6 | 82.2 | 84.2 | 74.2 | 67.0 | 43.9 | 38.0 | 59.3 |
| 1939 | 40.5 | 30.3 | 48.0 | 55.1 | 69.4 | 76.4 | 84.4 | 80.0 | 77.6 | 64.0 | 46.2 | 41.1 | 59.4 |
| 1940 | 16.2 | 34.8 | 46.2 | 54.6 | 65.6 | 75.4 | 81.4 | 77.4 | 71.0 | 65.8 | 40.7 | 37.5 | 55.6 |
| 1941 | 34.4 | 34.6 | 40.6 | 57.0 | 69.1 | 72.7 | 80.0 | 79.6 | 72.2 | 59.4 | 45.4 | 39.6 | 57.0 |
| 1942 | 32.0 | 33.8 | 45.7 | 59.1 | 63.5 | 73.6 | 80.8 | 77.2 | 67.5 | 58.9 | 46.8 | 32.4 | 55.9 |
| 1943 | 30.0 | 40.4 | 39.0 | 59.6 | 61.2 | 76.6 | 80.9 | 84.4 | 68.7 | 57.6 | 44.1 | 31.6 | 56.2 |
| 1944 | 36.6 | 38.8 | 41.0 | 51.4 | 67.8 | 78.4 | 79.6 | 79.6 | 70.4 | 60.8 | 47.5 | 31.5 | 57.0 |
| 1945 | 34.1 | 35.2 | 51.4 | 53.0 | 62.2 | 70.4 | 78.6 | 79.1 | 69.8 | 58.0 | 48.0 | 28.2 | 55.7 |
| 1946 | 35.2 | 44.0 | 54.0 | 60.8 | 61.9 | 76.3 | 83.4 | 79.6 | 71.0 | 61.0 | 44.9 | 40.0 | 59.4 |
| Normal | 32.1 | 35.1 | 45.6 | 56.0 | 65.2 | 75.0 | 80.4 | 79.6 | 71.5 | 59.5 | 45.8 | 34.7 | 56.7 |

WINFIELD, COWLEY COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1894 | .... | .... | 48.6 | 58.5 | 66.4 | 77.7 | 81.9 | 82.6 | 71.9 | 60.6 | 43.4 | 36.5 | .... |
| 1895 | 28.2 | 27.4 | 44.8 | 60.4 | 69.3 | .... | 80.8 | 81.5 | .... | 53.2 | 42.0 | 34.4 | .... |
| 1896 | 35.6 | 41.0 | 41.0 | 63.4 | 73.7 | 76.0 | 81.4 | 83.4 | 69.7 | 55.4 | 41.9 | 39.2 | 58.5 |
| 1897 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1898 | .... | .... | .... | .... | .... | .... | .... | .... | 74.1 | 58.8 | 43.8 | 28.0 | .... |
| 1899 | 30.8 | 22.4 | 42.0 | 57.0 | 70.4 | 75.7 | 79.8 | 83.0 | 70.2 | 63.8 | 50.2 | 33.4 | 56.6 |
| 1900 | 38.4 | 31.4 | 47.0 | 60.8 | 67.8 | 77.7 | 78.6 | 81.4 | 72.6 | 62.1 | 45.8 | 38.0 | 58.5 |
| 1901 | 35.3 | 33.7 | 47.2 | 56.0 | 65.6 | 78.9 | 85.2 | 81.0 | 71.8 | 62.3 | 48.2 | 32.9 | 58.2 |
| 1902 | 31.6 | 29.8 | 48.6 | 57.0 | 69.5 | 74.7 | 79.2 | 79.6 | 64.3 | 60.2 | 49.9 | 31.8 | 56.4 |
| 1903 | 34.2 | 30.7 | 46.0 | 57.6 | 63.2 | 68.2 | 80.0 | 76.4 | 69.0 | 58.0 | 43.1 | 36.1 | 55.2 |
| 1904 | 32.2 | 37.8 | 52.2 | 53.6 | 63.4 | 72.0 | 75.9 | 74.6 | 71.0 | 59.9 | 47.6 | 33.4 | 56.1 |
| 1905 | 23.3 | 22.8 | 53.6 | 55.6 | 65.1 | 76.6 | 76.4 | 78.6 | 72.2 | 56.4 | 46.2 | 33.7 | 55.0 |
| 1906 | 36.4 | 37.4 | 38.0 | 62.4 | 66.6 | 73.5 | 74.3 | 76.4 | 71.4 | 57.0 | 42.8 | 39.0 | 56.3 |
| 1907 | 36.8 | 38.0 | 55.8 | 52.2 | 60.2 | 73.8 | 79.8 | 80.5 | 72.6 | 58.4 | 44.0 | 37.9 | 57.5 |
| 1908 | 36.6 | 39.0 | 51.6 | 57.5 | 66.0 | 74.2 | 76.5 | 78.2 | 68.6 | 56.0 | 46.6 | 38.0 | 57.4 |
| 1909 | 33.4 | 39.8 | 44.6 | 58.2 | 64.0 | 75.7 | 80.4 | 80.4 | 70.6 | 58.5 | 51.8 | 25.6 | 56.9 |
| 1910 | 33.8 | 31.2 | 57.2 | 58.2 | 62.4 | 74.6 | 81.2 | 77.6 | 72.5 | 59.8 | 47.3 | 33.6 | 57.4 |
| 1911 | 35.8 | 40.0 | 49.6 | 58.5 | 68.8 | 81.2 | 78.8 | 76.4 | 76.9 | 59.0 | 41.8 | 34.8 | 58.5 |
| 1912 | 23.0 | 31.6 | 36.0 | 56.9 | 69.5 | 71.4 | 82.8 | 79.0 | 69.2 | 61.1 | 46.4 | 38.0 | 55.4 |
| 1913 | 33.0 | 31.8 | 41.9 | 60.7 | 70.2 | 76.2 | 82.8 | 84.0 | 69.4 | 55.8 | 53.6 | 36.2 | 58.0 |
| 1914 | 40.4 | 33.2 | 48.1 | 57.8 | 66.4 | 80.6 | 83.0 | 78.8 | .... | 58.8 | 49.4 | 28.3 | .... |
| 1915 | 31.0 | 41.3 | 35.6 | 62.6 | 63.0 | 71.0 | 77.1 | 71.8 | 70.2 | .... | .... | .... | .... |
| 1916 | 29.7 | 34.6 | 50.2 | 52.7 | 67.2 | 72.4 | 82.6 | 82.0 | .... | .... | 46.9 | 32.0 | .... |
| 1917 | 33.4 | 33.4 | 47.5 | 55.8 | 59.6 | 76.6 | 83.8 | 76.2 | 71.7 | 52.5 | 51.0 | 26.8 | 55.7 |
| 1918 | 20.0 | 37.5 | 52.6 | 52.7 | 68.7 | 80.4 | 78.7 | 84.6 | 65.7 | 62.5 | 44.6 | 38.0 | 57.2 |
| 1919 | 30.8 | 36.8 | 49.4 | 56.7 | 63.8 | 72.6 | 81.7 | 81.4 | 73.8 | 57.9 | 42.8 | 29.6 | 56.5 |
| 1920 | 30.8 | 39.0 | 47.4 | 54.4 | 67.2 | 74.0 | 78.0 | 74.2 | 71.2 | 62.7 | 42.2 | 37.8 | 56.6 |
| 1921 | 40.6 | 42.3 | 54.1 | 58.0 | 68.9 | 75.5 | 80.0 | 80.8 | 76.2 | 61.6 | 47.4 | 37.5 | 60.2 |
| 1922 | 30.8 | .... | 46.2 | 57.0 | 66.4 | 76.6 | 79.2 | 81.8 | 73.9 | 61.4 | 49.0 | 37.4 | .... |
| 1923 | 42.2 | 34.6 | 45.3 | 58.8 | 65.4 | 76.1 | 81.9 | 83.7 | 72.4 | 55.0 | 47.2 | 40.2 | 58.6 |
| 1924 | 29.9 | 39.4 | 40.2 | 58.6 | 62.4 | 78.9 | 78.6 | 82.9 | 69.3 | 64.4 | 50.4 | 31.0 | 57.2 |
| 1925 | 30.8 | 43.8 | 53.0 | 65.4 | 66.8 | 81.0 | 82.8 | 80.2 | 75.5 | 52.2 | 46.4 | 35.6 | 59.5 |
| 1926 | 35.4 | 45.2 | 45.2 | 53.4 | 69.6 | 75.2 | 79.4 | 81.3 | 71.7 | 61.4 | 42.0 | 35.2 | 57.9 |
| 1927 | 34.1 | 42.6 | 46.3 | 60.4 | 67.2 | 73.6 | 78.2 | 73.6 | 72.8 | 62.6 | 47.1 | 31.9 | 57.5 |
| 1928 | 37.6 | 41.8 | 50.2 | 54.6 | 67.8 | 71.3 | 78.0 | 81.2 | 71.8 | 64.4 | 46.2 | 39.0 | 58.7 |
| 1929 | 29.2 | 29.2 | 51.0 | 61.0 | 63.6 | 75.4 | 80.0 | 82.1 | 71.2 | 60.9 | 39.9 | 37.8 | 56.8 |
| 1930 | 18.4 | 49.8 | 46.4 | 63.6 | 66.2 | 75.6 | 82.3 | 81.6 | 74.6 | 58.6 | 48.5 | 35.6 | 58.4 |
| 1931 | 38.8 | 44.8 | 43.0 | 56.1 | 63.8 | 78.5 | 82.5 | 78.5 | 81.6 | 66.4 | 51.8 | 42.8 | 60.7 |
| 1932 | 36.2 | 44.4 | 40.6 | 62.0 | 68.1 | 76.1 | 84.3 | 82.0 | 73.8 | 59.2 | 44.4 | 33.6 | 58.7 |
| 1933 | 42.9 | 33.8 | 48.8 | 58.5 | 68.1 | 82.0 | 83.4 | 79.7 | 77.0 | 59.6 | 48.4 | 42.6 | 60.4 |
| 1934 | 38.7 | 40.6 | 47.9 | 60.2 | 70.0 | 83.2 | 89.1 | 87.2 | 70.0 | 64.0 | 50.6 | 36.2 | 61.4 |
| 1935 | 38.3 | 41.6 | 55.8 | 55.0 | 63.4 | 72.4 | 85.0 | 83.1 | 71.4 | 59.0 | 42.6 | 35.4 | 58.6 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

MIDDLE DIVISION

WINFIELD, CONLEY COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|------|-------------------|------|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------|--------|
| 1936 | 30.0 | 28.5 | 53.4 | 59.4 | 70.6 | 80.3 | 87.6 | 90.3 | 77.4 | 59.0 | 46.6 | 40.9 | 60.3 |
| 1937 | 27.8 ^a | 36.4 | 42.4 ^d | 57.8 | 68.1 | 76.3 | 81.8 | 83.8 | 71.6 | 59.8 | 43.9 | 34.3 | 57.0 |
| 1938 | 38.6 | 40.5 | 54.4 | 58.2 | 65.8 | 75.4 | 81.6 | 82.8 | 73.1 | 67.0 | 46.6 | 39.6 | 60.3 |
| 1939 | 41.2 | 35.0 | 51.4 | 57.5 | 70.4 | 77.4 | 84.4 | 80.9 | 80.0 | 65.7 | 46.0 | 41.2 | 60.9 |
| 1940 | 17.2 | 36.8 | 48.2 | 56.2 | 66.0 | 76.0 | 81.2 | 78.5 | 72.5 | 66.8 | 43.6 | 40.6 | 57.0 |
| 1941 | 37.6 | 37.8 | 43.4 | 59.8 | 70.4 | 73.8 | 81.9 | 81.2 | 74.0 | 62.4 | 47.6 | 42.6 | 59.4 |
| 1942 | 34.6 | 37.6 | 49.6 | 61.8 | 66.2 | 75.4 | 81.4 | 79.2 | 70.2 | 61.4 | 50.8 | 36.6 | 58.7 |
| 1943 | 34.6 | 44.3 | 43.0 | 62.7 | 63.6 | 78.2 | 82.0 | 86.1 | 70.8 | 58.9 | 46.6 | 33.4 | 58.7 |
| 1944 | 37.6 | 40.9 | 44.7 | 54.3 | 68.6 | 78.2 | 80.2 | 81.2 | 72.0 | 63.0 | 51.2 | 33.4 | 58.8 |
| 1945 | 36.0 | 38.4 | 53.8 | 55.6 | 64.2 | 73.2 | 78.6 ^a | 79.8 | 71.5 | 59.8 ^a | 50.1 | 30.6 | 57.6 |
| 1946 | 37.0 | 46.6 | 56.8 | 63.4 | 63.5 | 78.9 ^d | 82.9 ^b | 81.6 ^a | 73.3 ^b | 63.8 ^a | 47.5 ^b | 42.4 | 61.5 |
| Normal | 33.2 | 36.7 | 47.7 | 57.9 | 66.4 | 75.9 | 80.9 | 80.3 | 72.3 | 60.3 | 46.7 | 35.7 | 57.8 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

ASHLAND, CLARK COUNTY

(Record prior to May, 1907, taken at Englewood, 21 miles southwest of Ashland.)

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|------|-------------------|-------------------|------|------|-------------------|-------------------|------|-------------------|-------------------|------|--------|
| 1888 | .... | .... | .... | .... | .... | 78.2 | 83.7 | 77.7 | 69.6 | 57.2 | 42.8 | 39.4 | .... |
| 1889 | 31.2 | 33.0 | 47.3 | 59.0 | 68.2 | 73.8 | 80.1 | 79.0 | 66.7 | 58.0 | 38.2 | 47.0 | 56.8 |
| 1890 | 32.8 | 36.6 | 45.9 | 58.0 | 66.9 | 78.4 | 85.0 | 78.9 | 67.4 | 57.2 | 45.5 | 39.2 | 57.6 |
| 1891 | 31.4 | 35.4 | 37.6 | 62.1 | 73.4 | 76.9 | 76.1 | 69.9 | 55.3 | 42.4 | 42.4 | 40.2 | 55.6 |
| 1892 | 31.6 | 38.4 | 40.9 | 55.6 | 62.0 | 77.3 | 81.9 | 77.8 | 72.0 | 56.8 | 42.8 | 25.8 | 55.2 |
| 1893 | 31.4 | 29.4 | 44.0 | 57.0 | 62.2 | 76.2 | 83.4 | 72.6 | 71.6 | 59.3 | 43.0 | 41.2 | 55.9 |
| 1894 | 32.2 | 26.8 | 47.9 | 60.0 | 65.6 | 75.0 | 79.6 | 77.0 | 67.0 | 60.2 | 43.4 | .... | .... |
| 1895 | 28.2 | 25.6 | 43.2 | 59.3 | 65.4 | 73.2 | 76.4 | 77.0 | 70.4 | 53.0 | 43.2 | 34.8 | 54.1 |
| 1896 | 37.5 | 38.8 | 42.0 | 62.8 | 68.5 | 76.5 | 80.1 | 81.4 | 67.6 | 54.5 | 38.4 | 41.8 | 57.2 |
| 1897 | 27.9 | 36.2 | 45.4 | 56.4 | 66.0 | 75.8 | 79.7 | 77.6 | 72.8 | 60.8 | 42.2 | 31.2 | 56.0 |
| 1898 | .... | 39.9 | 44.2 | 58.0 | 64.8 | 75.8 | 78.0 | 78.6 | 70.0 | 56.2 | 40.4 | 28.2 | .... |
| 1899 | 31.0 | 22.8 | 41.6 | 57.4 | 69.0 | 75.4 | 78.0 | 84.1 | 70.0 | 61.4 | 49.2 | 35.0 | 56.2 |
| 1900 | 39.1 | 31.9 | 46.4 | 53.4 | 66.0 | 76.1 | 79.4 | 81.7 | 70.6 | 61.8 | 43.3 | 35.8 | 57.1 |
| 1901 | 34.6 | 33.8 | 45.5 | 55.4 | 64.2 | 79.8 | 84.6 | 81.0 | 72.4 | 61.3 | 46.2 | 35.0 | 57.8 |
| 1902 | 32.7 | 33.8 | 47.4 | 57.1 | 67.4 | 73.3 | 77.8 | 81.6 | 67.4 | 60.9 | 45.4 | 30.8 | 56.3 |
| 1903 | 34.0 | 29.8 | 44.7 | 57.3 | 63.2 | 69.2 | 83.1 | 80.8 | 72.8 | 59.2 | 44.6 | 37.8 | 56.4 |
| 1904 | 33.2 | 38.6 | 52.5 | 56.1 | 66.7 | 74.8 | 81.3 | 80.7 | 74.8 | 61.4 | 47.0 | 33.2 | 58.4 |
| 1905 | 26.0 | 26.2 | 53.7 | 54.2 | 66.6 | 81.2 | 79.7 | 84.6 | .... | 55.4 | 47.8 | 34.4 | .... |
| 1906 | 38.6 | 38.0 | 38.2 | 61.7 | 66.8 | 73.8 | 75.4 | 77.6 | 72.2 | .... | 42.4 | 41.4 | .... |
| 1907 | 36.7 | 40.6 | 56.0 | 52.8 | 59.9 | 73.6 | 78.7 | 78.4 | 71.8 | 57.8 | 44.4 | 36.5 | 57.3 |
| 1908 | 38.0 | 40.4 | 50.8 | 57.2 | 66.7 | 74.2 | 77.2 | 77.1 | 71.2 | 56.8 | 45.0 | 38.0 | 57.7 |
| 1909 | 33.1 | 40.2 | 44.5 | 55.3 | 64.0 | 75.6 | 82.0 | 82.9 | 73.6 | 58.4 | 49.4 | 28.2 | 57.3 |
| 1910 | 35.4 | 33.3 | 57.5 | 59.7 | 62.6 | 74.6 | 81.3 | 78.0 | 74.1 | 60.8 | 46.5 | 36.2 | 58.3 |
| 1911 | 37.6 | .... | 50.8 | 58.0 | 67.1 | 80.0 | 80.0 | 77.1 | 77.0 | 57.6 | 41.2 | 30.3 | .... |
| 1912 | 21.0 | 35.0 | 34.8 | 55.0 | 68.0 | 70.6 | 81.7 | 80.0 | 67.6 | 59.8 | 47.6 | 35.3 | 54.7 |
| 1913 | 31.2 | 27.6 | 43.6 | 58.3 | 70.2 | 74.7 | 81.6 | 84.2 | 67.6 | 55.8 | 50.8 | 36.4 | 56.8 |
| 1914 | 41.5 | 34.0 | 47.8 | 56.9 | 64.5 | 79.8 | 80.9 | 72.2 | 74.4 | 59.9 | 48.7 | 27.0 | 57.9 |
| 1915 | 33.2 | 40.8 | 35.9 | 60.6 | 62.0 | 71.3 | 77.4 | 72.9 | 71.2 | 59.6 | 50.2 | 37.4 | 56.0 |
| 1916 | 29.0 | 37.2 | 51.6 | 50.2 | 67.8 | .... | 81.8 | 81.0 | 69.4 | 58.6 | 45.2 | 32.8 | .... |
| 1917 | 34.0 | 36.4 | 46.7 | 55.6 | 59.3 | 76.6 | 83.0 | 74.7 | 70.6 | .... | 49.5 | 27.9 | .... |
| 1918 | 26.4 | 41.0 | 52.1 | 52.1 | 70.2 | 78.2 | 80.2 | 82.2 | 66.2 | 61.8 | .... | 35.6 | .... |
| 1919 | 32.5 | 36.8 | 47.4 | 56.1 | 63.4 | 72.0 | 81.0 | 79.7 | 75.8 | .... | 41.8 | 32.0 | .... |
| 1920 | 34.8 | 39.5 | 48.4 | 50.9 | 63.8 | 74.2 | .... | .... | .... | 61.6 | .... | 37.0 | .... |
| 1921 | 39.9 | 40.7 | 53.0 | 56.3 | 66.4 | 74.1 | 79.4 | 79.4 | 76.0 | 60.4 | 45.1 | 36.2 | 58.9 |
| 1922 | 31.6 | 36.6 | 44.0 | 55.2 | 65.8 | 75.0 | 79.5 | 81.6 | 73.0 | 58.6 | 47.6 | 36.4 | 57.1 |
| 1923 | 39.8 | 33.6 | 42.8 | 56.8 | 64.0 | 74.3 | 81.4 | 80.4 | 72.0 | 52.9 | 46.2 | 36.6 | 56.7 |
| 1924 | 29.4 | 37.0 | 36.3 | 55.4 | 58.8 | 77.2 | 77.2 | 81.1 | 67.8 | 60.4 | 47.4 | 26.4 | 54.5 |
| 1925 | 30.2 | 42.4 | 50.2 | 62.0 | 65.2 | 80.2 | 81.6 | 78.2 | 72.9 | 50.6 | 44.5 | 34.6 | 57.7 |
| 1926 | 34.3 | 43.6 | 42.2 | 48.0 | 67.2 | 75.4 | 79.2 | 79.6 | 72.1 | 61.7 | 44.0 | 35.8 | 56.9 |
| 1927 | 36.3 | 41.5 | 44.4 | 58.4 | 67.6 | 74.3 | 78.9 | 73.6 | 70.6 | 61.2 | 46.4 | 29.1 | 56.9 |
| 1928 | 37.9 | 38.3 | 48.0 | 52.4 | 64.6 | 69.4 | 79.3 | 77.5 | 70.6 | 59.9 | 43.9 | 36.8 | 56.6 |
| 1929 | 28.9 | 27.0 | 47.7 | 57.8 | 62.6 | 74.8 | 79.8 | 81.0 | 70.0 | 58.3 | 37.7 | 36.0 | 55.1 |
| 1930 | 21.5 | 47.5 | 43.0 | 61.0 | 63.2 | 76.0 | 82.4 | 82.8 | 74.6 | 57.4 | 47.3 | 35.2 | 57.7 |
| 1931 | 38.5 | 43.4 | 40.8 | 53.0 | 62.7 | 78.7 | 82.2 | 79.4 | 79.4 | 60.1 | 47.4 | 40.8 | 58.9 |
| 1932 | 31.5 | 45.1 | 40.8 | .... | .... | 73.7 | 83.2 | 81.0 | 70.7 | 56.0 | 42.4 | 29.4 | .... |
| 1933 | 39.6 | 32.5 | 48.7 | 55.4 | 68.1 | 81.6 | 83.4 | 79.1 | 77.0 | 60.8 | 49.6 | 42.2 | 59.8 |
| 1934 | 38.8 | 40.1 | 46.6 | 58.8 | 71.4 | 83.0 | 88.1 | 85.1 | 69.6 | 64.4 | 49.4 | 37.8 | 61.1 |
| 1935 | 39.6 ^b | 42.4 | 53.0 | 55.7 | 60.8 | 73.0 | 84.4 | 81.9 | 70.2 | 59.6 | 40.4 | 34.6 | 58.0 |
| 1936 | 31.4 | 26.5 | 50.6 ^b | 57.0 | 69.0 | 78.2 | 85.4 | 85.4 | 73.0 | 55.8 ^a | 44.4 | 40.9 | 58.1 |
| 1937 | 24.2 | 37.5 | 43.4 | 58.5 | 70.6 | 76.4 | 85.0 | 81.6 ^c | 73.6 | 59.8 | 44.0 | 34.4 | 57.8 |
| 1938 | 37.8 | 41.2 | 53.8 | 56.6 | 65.8 | 76.0 | 81.5 | 84.0 | 74.4 | 65.2 | 44.2 | 38.1 | 59.9 |
| 1939 | 39.4 | 33.2 | 48.2 | 57.9 | 69.0 | 77.3 | 83.2 | 80.4 | 76.4 | 62.2 | 45.6 | 41.8 | 59.6 |
| 1940 | 20.0 | 38.4 | 49.1 | 57.8 ^b | 67.5 | 74.6 | 83.6 | 78.0 | 72.1 | 64.7 ^c | 43.6 | 39.7 | 57.4 |
| 1941 | 36.4 | 37.9 | 43.6 | 57.2 | 68.2 | 73.2 | 79.6 | 80.2 | 73.7 | 61.4 ^a | 46.0 ^a | 40.8 | 58.2 |
| 1942 | 33.9 | 34.8 | 48.0 | 58.9 | 65.8 | 75.6 | 81.3 | 77.8 | 68.8 | 59.2 | 46.8 | 35.3 | 57.2 |
| 1943 | 36.0 | 43.6 | 42.0 | 60.8 | 63.2 | 77.8 | 82.9 | 85.6 | 70.6 | 56.7 | 45.0 | 29.6 | 57.8 |
| 1944 | 32.4 | 39.6 | 43.0 | 52.6 | 66.2 | 77.8 | 79.1 | 80.6 | 73.5 | 59.4 | 47.3 | 34.8 | 57.0 |
| 1945 | 35.2 | 37.3 | 51.8 | 53.2 | 65.1 | 70.2 | 79.4 | 80.6 | 71.4 | 59.9 | 47.4 | 32.4 | 57.0 |
| 1946 | 37.9 | 44.4 | 53.8 | 63.2 | 64.2 | 77.7 | 83.8 ^b | 80.6 | 73.4 | 60.5 | 45.6 | 41.2 | 60.4 |
| Normal | 33.5 | 36.8 | 46.7 | 56.4 | 65.6 | 75.6 | 81.0 | 80.0 | 72.1 | 59.4 | 45.6 | 35.1 | 57.3 |

Note: - Monthly temperatures are computed by obtaining the average of the mean maximum and mean minimum temperatures, except in case of some of the early records where they were computed by adding the averages of the 7 a. m., 2 p. m., and twice the 9 p. m. temperatures, and dividing by four.

Reference marks, a, b, c, etc., appearing in the tables indicate number of days missing; for example, b represents two days, etc.

Normals for all stations are computed for the 45-year period, 1898 through 1942.

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

COLBY, THOMAS COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1892 | .... | .... | .... | .... | .... | .... | .... | .... | 65.7 | 52.6 | 38.4 | 23.7 | .... |
| 1893 | 31.1 | 27.6 | 36.1 | 47.6 | 57.4 | 72.8 | 76.6 | 70.8 | 66.7 | 52.6 | 37.5 | 34.4 | 51.0 |
| 1894 | 25.4 | 21.3 | 42.2 | 53.2 | 63.1 | 71.0 | 76.6 | 75.2 | 65.2 | 54.2 | 41.8 | 30.2 | 51.6 |
| 1895 | 23.6 | 22.4 | 38.2 | 54.2 | 60.9 | 67.6 | 70.5 | 72.2 | 68.2 | 48.8 | 37.2 | 29.6 | 49.4 |
| 1896 | 34.2 | 36.7 | 35.7 | 54.0 | 63.0 | 71.4 | 76.1 | 74.7 | 61.5 | 49.3 | 32.6 | 37.2 | 52.2 |
| 1897 | 26.6 | 32.4 | 36.4 | 48.8 | 61.4 | 70.2 | 76.0 | 72.3 | 69.4 | 53.7 | 39.4 | 26.7 | 51.1 |
| 1898 | 28.9 | 34.8 | 37.3 | 52.0 | 56.9 | 70.2 | 74.2 | 75.8 | 62.8 | 47.4 | 34.8 | 26.2 | 50.1 |
| 1899 | 27.8 | 15.8 | 33.9 | 50.2 | 61.8 | 70.5 | 74.0 | 77.4 | 67.8 | 54.8 | 43.1 | 30.1 | 50.6 |
| 1900 | 33.7 | 26.4 | 41.3 | 49.1 | 61.7 | 72.8 | 76.2 | 78.7 | 66.5 | 57.6 | 39.0 | 33.8 | 53.1 |
| 1901 | 29.0 | 24.8 | 37.7 | 48.4 | 59.7 | 73.8 | 81.6 | 75.9 | 65.0 | 55.2 | 41.8 | 30.1 | 50.9 |
| 1902 | 28.2 | 30.3 | 42.3 | 52.6 | 64.4 | 69.0 | 74.8 | 76.0 | 61.2 | 54.6 | 40.6 | 24.2 | 51.5 |
| 1903 | 30.8 | 22.2 | 36.6 | 50.4 | 57.2 | 64.2 | 75.0 | 73.0 | 64.1 | 53.8 | 40.0 | 33.6 | 50.1 |
| 1904 | 27.0 | 32.1 | 43.6 | 49.4 | 59.4 | 66.7 | 73.6 | 73.0 | 67.1 | 56.0 | 43.3 | 32.0 | 51.9 |
| 1905 | .... | 18.8 | 44.6 | 48.0 | 56.8 | 71.4 | 70.8 | 75.5 | 67.9 | 47.0 | 42.3 | 30.8 | .... |
| 1906 | 34.5 | 34.6 | 27.8 | 54.7 | 61.3 | 68.5 | 70.5 | 73.6 | 66.0 | 50.6 | 39.2 | 37.5 | 51.6 |
| 1907 | 26.2 | 35.6 | 48.8 | 46.8 | 55.6 | 69.8 | .... | .... | 67.3 | 55.6 | 39.6 | 29.2 | .... |
| 1908 | 32.8 | 33.2 | 44.2 | 53.2 | 59.2 | 70.8 | .... | 74.0 | 69.3 | 52.8 | 40.4 | 29.6 | .... |
| 1909 | 29.2 | 32.6 | 38.3 | 48.4 | 59.4 | 70.4 | 75.8 | 78.4 | 65.2 | 54.1 | 42.9 | 18.4 | 51.1 |
| 1910 | 28.0 | 30.0 | 53.6 | 53.6 | 56.8 | 71.4 | 78.4 | 73.3 | 67.6 | 58.0 | 43.0 | 33.4 | 53.9 |
| 1911 | 32.9 | 33.6 | 46.1 | 49.0 | 63.4 | 76.6 | 77.0 | 75.1 | 71.2 | 49.2 | 36.8 | 26.6 | 53.1 |
| 1912 | 18.8 | 32.2 | 27.6 | 51.4 | 63.6 | 66.8 | 76.0 | 73.4 | 61.4 | 53.8 | 43.0 | 33.5 | 50.1 |
| 1913 | 27.8 | 24.6 | 38.8 | 54.0 | 62.9 | 69.3 | 78.4 | 79.8 | 62.8 | 50.4 | 45.7 | 26.6 | 51.8 |
| 1914 | 35.9 | 29.8 | 40.2 | 53.0 | 60.8 | 74.2 | 75.2 | 74.9 | 69.0 | 56.0 | 46.2 | 21.7 | 53.1 |
| 1915 | 28.2 | 36.1 | 29.3 | 55.2 | 56.5 | 65.4 | 70.4 | 67.2 | 64.6 | 56.6 | 44.3 | 32.0 | 50.5 |
| 1916 | 22.8 | 34.6 | 45.8 | 48.6 | 59.4 | 66.8 | 79.8 | 75.6 | 65.1 | 53.0 | 39.0 | 24.6 | 51.3 |
| 1917 | 28.5 | 33.5 | 37.0 | 47.3 | 53.4 | 69.8 | 77.8 | 71.8 | 67.7 | 48.6 | 46.6 | 29.2 | 50.9 |
| 1918 | 21.4 | 36.3 | 46.6 | 44.2 | 62.7 | 75.6 | 76.0 | 77.7 | 61.8 | 57.0 | 38.6 | 30.2 | 52.3 |
| 1919 | 25.6 | 26.3 | 40.0 | 47.7 | 57.8 | 68.0 | 77.0 | 76.4 | 70.0 | 48.2 | 35.1 | 28.6 | 50.1 |
| 1920 | 32.2 | 33.8 | 42.0 | 43.5 | 58.6 | 68.2 | 75.6 | 70.4 | 66.6 | 56.8 | 38.4 | 30.0 | 51.3 |
| 1921 | 34.0 | 37.7 | .... | 53.6 | 61.8 | 70.4 | 75.5 | 75.9 | 69.0 | 57.9 | 42.2 | 33.2 | .... |
| 1922 | 25.8 | 30.0 | 39.0 | 49.2 | 60.6 | 72.4 | 77.0 | 78.4 | 70.8 | 56.7 | 41.4 | 32.3 | 52.8 |
| 1923 | 35.8 | 30.2 | 37.2 | 50.6 | 57.2 | 70.0 | 75.4 | 73.0 | 65.5 | 48.4 | 43.2 | 30.4 | 51.4 |
| 1924 | 26.9 | 34.4 | 31.0 | 51.5 | 55.3 | 71.4 | 74.0 | 76.0 | 62.6 | 57.6 | 42.4 | 20.2 | 50.3 |
| 1925 | 22.4 | 40.0 | 46.0 | 54.8 | 60.7 | 75.6 | 79.3 | 75.2 | 69.0 | 44.4 | 41.3 | 32.6 | 53.4 |
| 1926 | 33.2 | 40.0 | 41.2 | 48.8 | 63.8 | 71.1 | 78.8 | 79.1 | 66.5 | 57.4 | 38.6 | 29.8 | 54.0 |
| 1927 | 31.4 | 35.0 | 38.5 | 54.6 | 64.5 | 68.0 | 75.6 | 70.7 | 68.0 | 58.8 | 43.2 | 24.5 | 52.7 |
| 1928 | 34.0 | 33.2 | 43.5 | 48.8 | 61.4 | 63.3 | 74.3 | 74.9 | 66.4 | 55.2 | 40.6 | 33.2 | 52.4 |
| 1929 | 24.6 | 21.8 | 43.8 | 52.2 | 59.2 | 70.4 | 79.4 | 77.4 | 62.7 | 53.4 | 31.2 | 34.5 | 50.9 |
| 1930 | 16.4 | 44.2 | 39.2 | 55.5 | 58.8 | 69.4 | 79.8 | 77.5 | 67.8 | 52.0 | 40.1 | 32.6 | 52.8 |
| 1931 | 35.8 | 40.0 | 35.2 | 50.3 | 57.9 | 75.0 | 77.0 | 74.0 | 73.6 | 58.4 | 41.0 | 30.2 | 54.0 |
| 1932 | 24.6 | 36.8 | 34.4 | 54.2 | 63.6 | 70.0 | 81.2 | 76.6 | 66.8 | 52.0 | 41.5 | 24.0 | 52.1 |
| 1933 | 36.0 | 29.0 | 44.6 | 51.6 | 59.5 | 78.0 | 78.8 | 73.4 | 70.6 | 55.9 | 44.8 | 39.6 | 55.2 |
| 1934 | 35.5 | 35.2 | 43.0 | 54.6 | 69.8 | 76.0 | 84.0 | 80.3 | 63.6 | 59.5 | 45.0 | 32.5 | 56.6 |
| 1935 | 35.7 | 35.6 | 46.4 | 49.2 | 54.8 | 69.2 | 83.0 | 79.4 | 68.3 | 54.4 | 37.2 | 32.0 | 53.8 |
| 1936 | 27.1 | 20.2 | 43.2 | 50.8 | 64.5 | 76.1 | 83.0 | 80.9 | 68.8 | 52.5 | 41.7 | 34.4 | 53.6 |
| 1937 | 17.2 | 33.1 | 37.7 | 51.4 | 64.1 | 70.9 | 80.0 | 81.3 | 69.0 | 55.5 | 40.4 | 31.1 | 52.6 |
| 1938 | 33.2 | 35.8 | 47.2 | 52.2 | 60.8 | 72.4 | 79.2 | 81.5 | 70.8 | 61.8 | 39.2 | 34.4 | 55.7 |
| 1939 | 36.2 | 26.2 | 41.3 | 51.8 | 66.0 | 72.8 | 81.4 | 76.2 | 71.6 | 56.4 | 42.4 | 38.4 | 55.1 |
| 1940 | 14.6 | 31.4 | 41.2 | 50.6 | 60.7 | 73.2 | 80.3 | 73.8 | 68.7 | 59.2 | 36.8 | 35.1 | 52.1 |
| 1941 | 31.5 | 32.8 | 39.0 | 50.6 | 64.0 | 68.4 | 75.0 | 75.4 | 67.2 | 53.4 | 43.0 | 32.0 | 52.7 |
| 1942 | 24.5 | 28.1 | 39.8 | 53.4 | 58.0 | 67.8 | 77.7 | 75.4 | 63.5 | 54.8 | 41.2 | 32.2 | 51.4 |
| 1943 | 30.3 | 38.4 | 37.5 | 54.8 | 57.1 | 71.5 | 80.2 | 80.7 | 65.8 | 52.8 | 40.6 | 31.2 | 53.4 |
| 1944 | 31.6 | 30.9 | 34.3 | 43.7 | 62.6 | 69.9 | 73.9 | 74.8 | 66.0 | 55.0 | 40.2 | 30.0 | 51.1 |
| 1945 | 31.6 | 34.2 | 46.4 | 47.2 | 58.4 | 63.7 | 76.9 | 75.8 | 65.4 | 55.6 | 42.5 | 27.6 | 52.1 |
| 1946 | 32.8 | 38.0 | 47.1 | 58.0 | 57.0 | 71.7 | 78.0 | 75.4 | 68.0 | 52.0 | 37.2 | 36.3 | 54.3 |
| Normal | 28.8 | 32.0 | 41.0 | 50.9 | 60.4 | 70.7 | 77.2 | 75.8 | 66.9 | 54.3 | 40.9 | 30.5 | 52.4 |

DODGE CITY, FORD COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1874 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 58.2 | 38.0 | 35.2 | .... |
| 1875 | 13.0 | 29.1 | 39.7 | 47.8 | 65.0 | 73.9 | 75.6 | 74.6 | 69.1 | 57.2 | 41.1 | 42.2 | 52.4 |
| 1876 | 36.8 | 41.9 | 36.0 | 56.7 | 64.4 | 70.6 | 79.7 | 77.8 | 67.2 | 53.5 | 40.4 | 24.8 | 54.2 |
| 1877 | 24.4 | 38.6 | 44.3 | 51.0 | 63.9 | 71.0 | 78.1 | 77.1 | 69.4 | 53.2 | 39.8 | 40.4 | 54.3 |
| 1878 | 33.6 | 39.5 | 50.2 | 55.8 | 61.6 | 70.6 | 79.6 | 79.2 | 67.6 | 55.8 | 44.6 | 23.4 | 55.1 |
| 1879 | 23.9 | 33.8 | 48.2 | 56.9 | 69.3 | 76.2 | 80.8 | 76.6 | 68.0 | 59.5 | 41.4 | 26.4 | 55.1 |
| 1880 | 38.2 | 35.8 | 41.0 | 54.8 | 69.3 | 75.3 | 76.2 | 75.0 | 66.4 | 52.2 | 25.6 | 24.7 | 52.9 |
| 1881 | 20.0 | 27.0 | 41.0 | 54.6 | 64.9 | 77.5 | 77.0 | 80.1 | 69.0 | 57.5 | 38.7 | 37.4 | 53.7 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

DODGE CITY, FORD COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1882 | 31.6 | 39.2 | 48.2 | 54.2 | 58.0 | 74.1 | 75.9 | 75.1 | 69.0 | 58.3 | 41.6 | 32.7 | 54.8 |
| 1883 | 22.4 | 26.6 | 40.6 | 54.1 | 61.9 | 71.5 | 77.4 | 73.0 | 65.2 | 50.6 | 42.4 | 35.2 | 51.8 |
| 1884 | 24.4 | 28.0 | 42.2 | 49.8 | 59.8 | 71.4 | 77.6 | 72.2 | 71.1 | 58.8 | 42.0 | 21.4 | 51.6 |
| 1885 | 18.0 | 26.5 | 42.3 | 55.7 | 60.0 | 72.6 | 77.9 | 74.8 | 67.6 | 52.6 | 46.4 | 37.1 | 52.6 |
| 1886 | 16.9 | 35.8 | 40.6 | 51.9 | 68.9 | 72.0 | 79.4 | 79.7 | 68.6 | 59.8 | 39.2 | 29.9 | 53.6 |
| 1887 | 27.5 | 31.2 | 46.4 | 54.8 | 66.0 | 74.5 | 79.2 | 75.6 | 69.0 | 54.3 | 42.8 | 29.4 | 54.2 |
| 1888 | 23.3 | 39.3 | 37.4 | 57.5 | 61.5 | 73.6 | 80.0 | 74.4 | 67.8 | 55.0 | 41.1 | 38.4 | 54.1 |
| 1889 | 28.9 | 29.0 | 45.8 | 56.6 | 63.7 | 69.8 | 77.5 | 76.9 | 66.3 | 55.6 | 37.4 | 44.6 | 54.4 |
| 1890 | 27.2 | 32.4 | 42.5 | 54.2 | 63.6 | 75.0 | 82.4 | 76.4 | 65.2 | 55.5 | 44.4 | 38.8 | 54.8 |
| 1891 | 28.8 | 32.0 | 33.8 | 55.4 | 61.6 | 69.6 | 73.8 | 74.0 | 68.4 | 55.2 | 40.9 | 37.4 | 52.6 |
| 1892 | 28.9 | 34.7 | 36.5 | 51.8 | 57.8 | 71.9 | 77.0 | 76.0 | 69.8 | 56.2 | 42.4 | 25.6 | 52.4 |
| 1893 | 34.0 | 31.0 | 42.2 | 53.5 | 60.4 | 75.0 | 79.4 | 73.8 | 70.4 | 56.8 | 40.4 | 38.6 | 54.6 |
| 1894 | 30.8 | 24.3 | 46.1 | 57.6 | 64.9 | 73.4 | 75.9 | 75.9 | 68.9 | 59.4 | 44.4 | 34.4 | 54.9 |
| 1895 | 26.9 | 25.4 | 42.9 | 57.0 | 64.8 | 70.0 | 74.0 | 75.6 | 72.7 | 52.8 | 41.4 | 33.8 | 53.1 |
| 1896 | 36.4 | 39.2 | 40.0 | 59.8 | 68.4 | 76.2 | 77.6 | 79.4 | 66.3 | 54.2 | 38.0 | 41.1 | 56.4 |
| 1897 | 28.2 | 33.5 | 42.6 | 53.8 | 64.4 | 74.0 | 78.8 | 76.0 | 73.2 | 59.8 | 43.0 | 30.7 | 54.8 |
| 1898 | 29.1 | 38.2 | 42.6 | 54.6 | 61.8 | 73.5 | 76.8 | 77.8 | 68.2 | 53.6 | 38.8 | 27.3 | 53.5 |
| 1899 | 31.5 | 20.0 | 39.0 | 54.4 | 66.8 | 73.4 | 75.4 | 80.8 | 69.5 | 59.2 | 48.0 | 32.6 | 54.2 |
| 1900 | 36.8 | 30.4 | 44.4 | 54.2 | 64.4 | 74.6 | 77.2 | 80.2 | 70.0 | 61.6 | 44.0 | 36.0 | 56.1 |
| 1901 | 33.8 | 30.2 | 42.0 | 52.8 | 62.3 | 76.8 | 82.4 | 78.5 | 69.6 | 59.8 | 46.2 | 32.7 | 55.6 |
| 1902 | 30.8 | 32.0 | 45.4 | 55.8 | 67.4 | 71.1 | 76.9 | 79.6 | 64.5 | 59.7 | 43.7 | 27.6 | 54.5 |
| 1903 | 33.4 | 26.2 | 39.9 | 53.6 | 60.4 | 65.8 | 79.2 | 76.8 | 67.1 | 57.4 | 42.5 | 36.0 | 53.2 |
| 1904 | 30.0 | 35.0 | 47.2 | 51.9 | 62.5 | 69.8 | 76.1 | 75.1 | 70.0 | 58.2 | 46.0 | 30.4 | 54.4 |
| 1905 | 22.4 | 21.4 | 49.0 | 50.8 | 61.2 | 75.4 | 73.8 | 78.2 | 71.7 | 52.9 | 45.4 | 32.9 | 52.9 |
| 1906 | 37.8 | 36.2 | 31.8 | 56.6 | 64.2 | 70.1 | 72.8 | 74.8 | 67.7 | 51.4 | 40.2 | 38.2 | 53.5 |
| 1907 | 31.6 | 37.0 | 51.7 | 47.8 | 57.1 | 72.0 | 78.4 | 77.0 | 69.0 | 57.2 | 42.0 | 34.0 | 54.6 |
| 1908 | 36.5 | 37.8 | 47.4 | 55.0 | 64.0 | 71.9 | 75.2 | 76.0 | 70.2 | 54.8 | 42.9 | 36.2 | 55.7 |
| 1909 | 30.0 | 36.2 | 40.7 | 51.4 | 61.4 | 73.7 | 79.5 | 80.7 | 70.2 | 56.2 | 47.0 | 22.2 | 54.1 |
| 1910 | 31.1 | 29.8 | 55.8 | 56.6 | 59.4 | 72.2 | 78.9 | 75.4 | 70.7 | 59.3 | 45.8 | 35.4 | 54.2 |
| 1911 | 36.0 | 33.1 | 47.3 | 54.0 | 64.3 | 77.9 | 76.8 | 74.8 | 74.9 | 53.6 | 37.9 | 27.9 | 54.9 |
| 1912 | 18.0 | 32.0 | 30.5 | 52.8 | 65.8 | 68.1 | 78.6 | 76.5 | 64.0 | 56.3 | 45.0 | 34.6 | 51.8 |
| 1913 | 29.4 | 24.8 | 40.0 | 55.8 | 67.3 | 72.5 | 80.7 | 82.4 | 64.8 | 52.8 | 48.0 | 33.6 | 54.3 |
| 1914 | 39.4 | 30.0 | 43.7 | 54.2 | 62.8 | 77.3 | 79.3 | 77.1 | 72.6 | 57.8 | 48.4 | 23.4 | 55.5 |
| 1915 | 30.6 | 39.0 | 32.6 | 58.8 | 59.4 | 68.8 | 74.3 | 70.0 | 68.4 | 58.0 | 47.4 | 34.6 | 53.5 |
| 1916 | 23.8 | 34.9 | 48.1 | 50.2 | 63.6 | 70.6 | 80.3 | 78.6 | 67.0 | 56.2 | 42.0 | 29.0 | 53.7 |
| 1917 | 31.3 | 32.1 | 41.8 | 51.4 | 57.0 | 73.4 | 80.4 | 73.6 | 69.4 | 50.2 | 48.6 | 28.2 | 53.1 |
| 1918 | 21.1 | 37.5 | 49.4 | 47.8 | 67.0 | 77.9 | 78.5 | 80.6 | 63.4 | 59.8 | 41.7 | 34.0 | 54.9 |
| 1919 | 31.0 | 31.9 | 43.8 | 52.6 | 61.2 | 70.7 | 79.6 | 79.4 | 73.1 | 53.3 | 38.7 | 29.6 | 53.7 |
| 1920 | 32.8 | 35.1 | 45.0 | 48.8 | 61.6 | 72.6 | 77.9 | 72.4 | 69.4 | 59.8 | 39.4 | 35.1 | 54.2 |
| 1921 | 36.4 | 38.7 | 49.1 | 53.8 | 64.8 | 72.8 | 78.4 | 77.8 | 73.0 | 59.6 | 43.6 | 33.4 | 56.8 |
| 1922 | 28.6 | 34.0 | 41.0 | 53.0 | 63.6 | 74.5 | 77.2 | 80.0 | 72.4 | 59.0 | 45.5 | 33.7 | 55.2 |
| 1923 | 39.0 | 32.0 | 40.0 | 54.1 | 60.8 | 71.8 | 79.3 | 77.9 | 69.6 | 51.0 | 45.2 | 34.5 | 54.6 |
| 1924 | 28.1 | 35.9 | 33.6 | 53.4 | 57.0 | 75.2 | 75.1 | 79.0 | 66.0 | 59.4 | 45.9 | 24.0 | 52.7 |
| 1925 | 28.8 | 41.3 | 49.2 | 59.6 | 63.9 | 78.1 | 79.4 | 76.0 | 70.3 | 47.4 | 42.6 | 34.0 | 55.9 |
| 1926 | 33.1 | 41.6 | 40.6 | 48.2 | 64.3 | 72.8 | 77.8 | 78.2 | 68.4 | 59.4 | 40.4 | 31.4 | 54.7 |
| 1927 | 33.2 | 38.6 | 41.8 | 56.6 | 66.0 | 71.0 | 77.3 | 71.8 | 69.0 | 60.6 | 44.6 | 27.5 | 54.8 |
| 1928 | 36.6 | 36.6 | 45.3 | 50.2 | 62.9 | 66.5 | 78.1 | 75.8 | 68.5 | 57.5 | 42.6 | 35.7 | 54.7 |
| 1929 | 26.0 | 24.4 | 46.4 | 56.6 | 61.1 | 72.7 | 79.1 | 79.2 | 66.8 | 56.4 | 34.0 | 36.0 | 53.2 |
| 1930 | 19.6 | 47.2 | 41.2 | 59.4 | 61.8 | 74.7 | 81.2 | 80.4 | 71.3 | 54.8 | 45.8 | 33.2 | 55.9 |
| 1931 | 37.5 | 42.6 | 37.9 | 51.6 | 59.5 | 77.4 | 79.6 | 76.2 | 77.8 | 61.0 | 44.4 | 38.8 | 57.0 |
| 1932 | 26.3 | 41.4 | 36.6 | 56.5 | 66.0 | 73.0 | 82.7 | 79.4 | 68.8 | 54.5 | 41.8 | 28.0 | 54.6 |
| 1933 | 38.8 | 31.5 | 46.3 | 53.6 | 64.2 | 79.9 | 81.9 | 76.8 | 74.2 | 58.6 | 47.0 | 40.4 | 57.8 |
| 1934 | 36.7 | 35.8 | 43.9 | 56.2 | 69.5 | 80.0 | 87.3 | 82.8 | 65.6 | 62.4 | 47.4 | 35.4 | 58.6 |
| 1935 | 36.0 | 39.8 | 50.4 | 51.8 | 57.4 | 71.4 | 83.6 | 80.2 | 68.7 | 56.8 | 40.4 | 35.4 | 56.0 |
| 1936 | 28.4 | 33.6 | 48.0 | 54.2 | 67.4 | 76.6 | 83.8 | 83.6 | 70.5 | 53.8 | 43.4 | 37.9 | 55.9 |
| 1937 | 21.4 | 23.6 | 40.2 | 54.6 | 67.0 | 73.4 | 82.0 | 83.8 | 71.4 | 57.0 | 41.4 | 31.9 | 54.8 |
| 1938 | 35.8 | 37.8 | 49.6 | 53.1 | 63.1 | 73.3 | 80.8 | 83.6 | 73.0 | 63.6 | 41.5 | 36.6 | 57.6 |
| 1939 | 38.4 | 29.1 | 45.2 | 55.0 | 67.8 | 76.0 | 83.2 | 79.0 | 73.2 | 59.6 | 45.0 | 39.4 | 57.6 |
| 1940 | 16.6 | 35.2 | 45.6 | 53.3 | 63.8 | 73.0 | 82.0 | 75.8 | 70.2 | 63.4 | 40.8 | 37.8 | 54.8 |
| 1941 | 33.6 | 34.4 | 40.2 | 53.8 | 66.8 | 70.6 | 78.2 | 78.2 | 70.8 | 57.1 | 45.5 | 37.2 | 55.5 |
| 1942 | 31.5 | 31.7 | 44.8 | 55.6 | 63.1 | 72.8 | 81.0 | 76.4 | 67.0 | 57.2 | 44.6 | 32.1 | 54.8 |
| 1943 | 33.3 | 41.1 | 38.6 | 57.8 | 59.8 | 75.6 | 82.0 | 82.8 | 67.2 | 55.3 | 42.6 | 28.2 | 55.4 |
| 1944 | 30.6 | 36.0 | 38.2 | 46.0 | 63.8 | 74.8 | 77.0 | 77.8 | 67.7 | 57.7 | 44.4 | 31.4 | 54.0 |
| 1945 | 32.4 | 34.1 | 49.0 | 50.2 | 61.8 | 66.6 | 77.4 | 78.4 | 68.0 | 57.2 | 46.2 | 28.9 | 54.2 |
| 1946 | 34.4 | 41.7 | 50.0 | 60.1 | 60.0 | 75.4 | 82.8 | 77.3 | 68.2 | 56.0 | 41.8 | 38.6 | 57.2 |
| Normal | 31.1 | 33.9 | 43.5 | 53.7 | 63.2 | 73.3 | 79.1 | 77.8 | 69.6 | 57.1 | 43.6 | 33.0 | 54.9 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

DRESDEN, DECATUR COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|------|-------------------|------|------|-------------------|------|-------------------|-------------------|------|------|------|--------|
| 1895 | .... | .... | 36.8 | 55.5 | 66.1 | 68.6 | 71.6 | 73.0 | 70.8 | 50.6 | 37.9 | 32.8 | .... |
| 1896 | 32.7 | 37.3 | 35.4 | 56.8 | 65.1 | 71.0 | 75.1 | 75.3 | 62.7 | 56.3 | .... | 34.6 | .... |
| 1897 | 28.7 | .... | 36.8 | 47.6 | 59.9 | 68.8 | 77.4 | 72.4 | 76.4 | 54.6 | 37.4 | 27.8 | .... |
| 1898 | 29.4 | 36.0 | .... | 52.6 | 58.2 | .... | 73.7 | 76.3 | 64.0 | .... | .... | .... | .... |
| 1899 | .... | 15.7 | 31.9 | 49.8 | 62.0 | 70.3 | 73.8 | 77.2 | 67.8 | 54.8 | 44.2 | 28.1 | .... |
| 1900 | 34.5 | 25.6 | 40.6 | 50.8 | 62.0 | 73.6 | 76.0 | 77.8 | 65.6 | 58.4 | 41.2 | 35.0 | 53.4 |
| 1901 | 29.4 | 25.6 | 39.1 | 48.8 | 59.6 | 72.7 | 82.6 | 76.3 | 64.8 | 56.8 | 43.3 | 30.0 | 52.4 |
| 1902 | 28.6 | 30.1 | 42.0 | 52.8 | 64.2 | 67.7 | 74.8 | 76.5 | 63.4 | 55.8 | 41.0 | 25.6 | 51.9 |
| 1903 | 32.7 | 23.1 | 37.5 | 51.8 | 58.0 | 64.2 | 75.4 | 73.4 | 63.4 | 56.3 | 40.9 | 34.8 | 51.0 |
| 1904 | 29.4 | 31.7 | 44.8 | 48.2 | 60.4 | 67.6 | 74.1 | 72.6 | 67.4 | 57.8 | 45.6 | 32.6 | 52.7 |
| 1905 | 23.2 | 21.0 | 45.4 | 50.1 | 59.0 | 72.2 | 71.8 | 77.0 | 70.2 | 51.4 | 44.4 | 33.0 | 51.6 |
| 1906 | 35.0 | 35.0 | 30.6 | 55.4 | 62.6 | 69.2 | 71.6 | 75.2 | 67.2 | 51.0 | 40.7 | 36.9 | 52.5 |
| 1907 | 26.8 | 36.2 | 47.4 | 45.2 | 55.8 | 70.6 | 77.0 | 75.9 | 67.7 | 56.1 | 40.4 | 30.8 | 52.5 |
| 1908 | .... | 32.8 | 44.6 | 52.8 | 59.1 | 70.0 | 73.7 | 72.2 | 70.4 | 53.6 | 41.0 | 33.2 | .... |
| 1909 | 27.2 | 32.6 | 38.3 | 47.2 | 59.7 | 70.4 | 77.0 | 78.8 | 66.6 | 54.9 | 43.9 | 18.9 | 51.3 |
| 1910 | 27.1 | 30.3 | 54.1 | 54.6 | 56.2 | 71.4 | 78.8 | 72.9 | 67.2 | 59.7 | 42.6 | 32.5 | 54.0 |
| 1911 | 32.6 | 32.2 | 47.4 | 49.4 | 61.0 | 77.3 | 76.0 | 73.8 | 70.7 | 50.8 | 36.6 | 26.0 | 52.8 |
| 1912 | 17.2 | 30.8 | 26.9 | 49.6 | 64.2 | 66.0 | 76.0 | 72.4 | 60.8 | 54.5 | 43.6 | 32.6 | 49.4 |
| 1913 | 27.9 | 24.8 | 38.1 | 52.2 | 63.0 | 72.3 | 80.0 | 82.1 | 64.4 | 51.2 | 46.0 | 30.2 | 52.7 |
| 1914 | 37.4 | 28.2 | 39.9 | 52.2 | 61.4 | 73.8 | 76.0 | 75.3 | 68.6 | 56.4 | 46.8 | 22.0 | 53.2 |
| 1915 | 26.6 | 35.3 | 28.8 | 55.4 | 56.2 | 64.9 | 70.4 | 68.1 | 66.8 | 58.0 | 45.5 | 31.0 | 50.6 |
| 1916 | 22.1 | 33.4 | 47.2 | 48.0 | 60.8 | 67.8 | 81.4 | 76.6 | 65.2 | 53.6 | 40.9 | 24.9 | 51.8 |
| 1917 | 28.8 | 33.2 | 39.3 | 46.8 | 54.0 | 70.4 | 79.8 | 71.6 | 66.3 | 49.0 | 46.8 | 27.0 | 51.1 |
| 1918 | 19.8 | 35.2 | 47.7 | 44.3 | 63.7 | 74.3 | 76.0 | 78.6 | 62.8 | 58.0 | 40.3 | 32.6 | 52.8 |
| 1919 | 27.2 | .... | 39.0 | 47.1 | 57.0 | 67.8 | 77.5 | 76.3 | 69.4 | 49.0 | 35.0 | 26.4 | .... |
| 1920 | 31.4 | 33.8 | 43.2 | 43.8 | 58.6 | 70.0 | 77.0 | 71.2 | 67.7 | 58.4 | 37.8 | 29.6 | 51.9 |
| 1921 | 34.2 | 38.8 | 46.5 | 51.4 | 63.4 | 72.3 | 76.5 | 77.0 | 70.2 | 60.6 | 41.6 | 32.2 | 55.4 |
| 1922 | 26.4 | 29.8 | 39.5 | 51.4 | 61.3 | 72.5 | 76.0 | 78.6 | 72.6 | 57.3 | 42.4 | 32.5 | 53.4 |
| 1923 | .... | 30.5 | 39.4 | 51.4 | 58.8 | 70.0 | 76.3 | 74.1 | 66.4 | 49.6 | 43.8 | 32.8 | .... |
| 1924 | 25.2 | 34.4 | 31.6 | 52.2 | 55.8 | 70.2 | 74.3 | 75.6 | 63.3 | 58.3 | 42.8 | 18.9 | 50.3 |
| 1925 | 22.4 | 39.0 | 45.8 | 55.9 | 60.1 | 76.1 | 78.8 | 75.3 | 69.4 | 44.4 | 40.8 | 31.3 | 53.3 |
| 1926 | 31.0 | 39.4 | 38.6 | 47.6 | 63.8 | 70.4 | 77.5 | 77.5 | 65.3 | 56.4 | 36.0 | 29.8 | 52.8 |
| 1927 | 30.4 | 35.7 | 39.0 | 54.5 | 64.1 | 68.3 | 76.9 | 70.8 | 69.8 | 59.4 | 42.6 | 24.3 | 53.0 |
| 1928 | 34.8 | 34.0 | 43.8 | 50.3 | 63.8 | 63.2 | 75.0 | 74.8 | 65.6 | 54.8 | 40.5 | 32.6 | 52.8 |
| 1929 | 22.6 | 21.9 | 42.3 | 51.2 | 59.2 | 69.6 | 79.2 | 78.4 | 63.0 | 54.4 | 31.8 | 33.8 | 50.6 |
| 1930 | 15.8 | 43.8 | 39.3 | 55.2 | 58.5 | 69.6 | 79.2 | 77.4 | 67.1 | 52.0 | 40.3 | 31.2 | 52.4 |
| 1931 | 34.5 | 39.2 | 34.7 | 49.2 | 58.8 | 76.4 | 79.5 | 75.4 | 75.2 | 59.2 | 42.0 | 32.4 | 54.7 |
| 1932 | 24.8 | 35.7 | 35.1 | 55.2 | 65.1 | 71.8 | 82.0 | 78.6 | 66.5 | 52.6 | 42.4 | .... | .... |
| 1933 | 36.2 | 29.4 | 43.5 | 52.4 | 61.2 | 80.8 | 81.6 | 75.3 | 73.0 | 56.6 | 45.3 | 37.6 | 56.1 |
| 1934 | 35.6 | 34.9 | 43.3 | 55.5 | 71.6 | 79.8 | 86.9 | 81.6 | 64.4 | 61.2 | 44.6 | .... | .... |
| 1935 | 34.2 | 37.8 | 47.0 ^a | 50.3 | 55.6 | 69.5 ^b | 85.2 | 80.9 | 69.8 ^b | 53.4 | 36.9 | 33.0 | 54.5 |
| 1936 | 26.2 | 18.3 | 45.1 | 51.6 | 65.5 | 77.5 | 85.6 | 83.4 | 71.0 | 53.0 | 42.0 | 34.4 | 54.5 |
| 1937 | 16.0 | 32.2 | 38.7 | 52.0 | 65.8 | 72.4 | 81.8 | 83.3 | 70.7 | 55.3 | 40.8 | 31.2 | 53.4 |
| 1938 | 33.6 | 34.8 | 47.0 | 51.6 | 60.2 | 72.1 ^d | 80.9 | 82.6 | 71.9 | 62.2 | 39.4 | 32.8 | 55.8 |
| 1939 | 35.4 | 25.8 | 41.7 | 52.0 | 67.8 | 73.6 | 83.8 | 77.8 | 72.4 | 57.1 | 42.6 | .... | .... |
| 1940 | 12.9 ^c | 31.2 | 42.9 | 52.7 | 62.5 | 75.8 | 82.8 | 76.2 | 71.0 | 61.6 | 37.2 | 35.7 | 53.5 |
| 1941 | 31.2 | 33.2 | 39.0 | 52.2 | 65.8 | 69.1 | 76.2 | 76.8 | 68.0 | 55.0 | 43.5 | 33.4 | 53.6 |
| 1942 | 26.0 | 28.9 | 41.0 | 55.0 | 60.5 | 70.7 | 80.6 | 76.4 | 64.4 | 56.0 | 41.9 | 32.4 | 52.8 |
| 1943 | 30.6 | 40.6 | 38.1 | 56.0 | 58.3 | 72.0 | 80.0 | 82.0 | 66.0 | 54.1 | 41.2 | 32.4 | 54.3 |
| 1944 | 32.8 | 31.0 | 34.6 | 45.2 | 64.0 | 71.0 | 74.4 | 75.1 ^a | 67.4 | 56.8 | 40.6 | 29.8 | 51.9 |
| 1945 | 31.8 | 34.2 | 47.0 | 48.8 | 59.6 | 63.9 | 77.4 | 77.4 | 67.1 | 56.0 | 43.4 | 26.4 | 52.8 |
| 1946 | 33.8 | 38.1 | 48.2 | 58.8 | 57.2 | 72.8 | 77.8 | 75.4 | 67.2 | 52.2 | 38.4 | 36.5 | 54.7 |
| Normal | 28.2 | 31.6 | 40.9 | 51.1 | 61.0 | 71.3 | 77.9 | 76.4 | 67.5 | 55.4 | 41.6 | 30.6 | 52.8 |

GARDEN CITY, FINNEY COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1893 | .... | .... | .... | .... | .... | .... | .... | .... | 67.4 | 52.9 | 39.4 | 36.2 | .... |
| 1894 | 28.5 | 22.0 | 45.8 | 55.8 | 65.7 | 73.6 | 76.6 | 73.4 | 65.4 | 56.0 | 42.6 | 30.7 | 53.0 |
| 1895 | 26.4 | 25.0 | 41.2 | 56.2 | 64.1 | 70.4 | 73.0 | 75.2 | 71.3 | 51.8 | 39.1 | .... | .... |
| 1896 | 35.2 | 37.4 | 41.0 | 58.8 | 66.6 | .... | .... | .... | .... | .... | .... | .... | .... |
| 1897 | .... | 33.7 | 41.8 | 53.3 | 67.0 | 74.2 | 78.2 | 74.0 | 72.0 | 57.2 | 41.6 | 29.0 | .... |
| 1898 | 29.4 | 36.3 | 42.4 | 55.2 | 61.1 | 72.6 | 76.8 | 76.7 | 65.4 | 51.6 | 39.0 | 26.8 | 52.8 |
| 1899 | 30.5 | 18.8 | 38.6 | 53.6 | 67.2 | 74.2 | 76.2 | 80.4 | 69.6 | 57.2 | 45.9 | 31.0 | 53.6 |
| 1900 | 35.6 | 31.1 | 45.2 | 54.2 | 64.8 | 76.4 | 79.3 | 81.6 | 69.2 | 60.4 | 42.8 | 33.7 | 56.2 |
| 1901 | 31.5 | 29.0 | 41.3 | 53.9 | 63.5 | 78.7 | 84.4 | 80.4 | 69.2 | 59.4 | 45.2 | 32.6 | 55.8 |
| 1902 | 29.8 | 34.0 | 44.5 | 56.1 | 67.6 | 72.6 | 76.2 | 81.3 | 66.2 | 58.0 | 45.2 | 27.8 | 54.9 |
| 1903 | 34.9 | 24.8 | 40.1 | 53.4 | 60.8 | 66.5 | 79.5 | 79.8 | 69.8 | 56.8 | 43.6 | 34.8 | 53.7 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

GARDEN CITY, FINNEY COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|
| 1904 | 29.4 | 36.4 | 47.7 | 52.9 | 63.5 | 70.6 | 76.9 | 76.4 | 71.3 | 58.1 | 46.2 | 29.4 | 54.9 |
| 1905 | 23.0 | 22.3 | 50.2 | 51.5 | 61.4 | 75.4 | 74.8 | 79.8 | 72.1 | 54.3 | 45.6 | 32.6 | 53.6 |
| 1906 | 35.6 | 35.2 | 33.4 | 56.9 | 64.6 | 70.7 | 72.8 | 77.2 | 68.9 | 52.2 | 41.6 | 41.2 | 54.2 |
| 1907 | 31.6 | 38.0 | 52.0 | 50.4 | 59.1 | 72.4 | 80.8 | 77.0 | 70.2 | 57.4 | 39.8 | 32.6 | 55.1 |
| 1908 | 34.2 | 37.0 | 46.0 | 54.8 | 63.8 | 72.3 | 75.6 | 78.0 | 70.3 | 54.0 | 42.6 | 35.0 | 55.3 |
| 1909 | 31.0 | 35.8 | 40.6 | 52.2 | 60.4 | 73.0 | 77.9 | 79.8 | 69.6 | 56.0 | 45.8 | 24.6 | 53.9 |
| 1910 | 31.4 | 31.1 | 54.2 | 55.9 | 60.6 | 74.0 | 77.9 | 75.4 | 70.2 | 58.6 | 43.9 | 34.2 | 55.6 |
| 1911 | 35.4 | 31.4 | 47.4 | 54.9 | 66.8 | 77.2 | 79.2 | 75.2 | 74.6 | 52.4 | 37.7 | 26.2 | 54.9 |
| 1912 | 18.8 | 34.0 | 32.0 | 52.6 | 66.2 | 68.1 | 77.8 | 76.4 | 64.0 | 56.4 | 43.1 | 33.0 | 51.9 |
| 1913 | 28.8 | 25.2 | 40.4 | 56.5 | 67.6 | 73.0 | 80.4 | 80.4 | 64.3 | 53.9 | 46.8 | 33.1 | 54.2 |
| 1914 | 38.7 | 31.2 | 44.6 | 54.6 | 63.6 | 77.8 | 78.0 | 77.2 | 72.5 | 56.8 | 45.7 | 25.2 | 55.5 |
| 1915 | 31.2 | 39.5 | 34.0 | 58.2 | 58.9 | 69.4 | 74.8 | 71.0 | 68.4 | 57.9 | 46.3 | 34.4 | 53.7 |
| 1916 | 25.6 | 35.2 | 49.6 | 50.4 | 63.3 | 70.7 | 80.4 | 77.8 | 68.4 | 55.8 | 40.7 | 28.4 | 53.9 |
| 1917 | 30.2 | 34.5 | 41.6 | .... | .... | 72.2 | 77.4 | 73.3 | 67.6 | 51.9 | 47.0 | 29.2 | .... |
| 1918 | 24.2 | 38.8 | 49.8 | 47.9 | 67.2 | 77.2 | 77.2 | 79.6 | 64.0 | 59.4 | 41.2 | 31.6 | 54.8 |
| 1919 | 23.9 | 29.8 | 43.8 | 53.8 | 61.6 | 70.8 | 78.2 | 77.8 | 73.0 | 52.8 | 37.6 | 28.0 | 52.6 |
| 1920 | 32.8 | 34.8 | 45.6 | 47.4 | 62.1 | 72.5 | 77.0 | 71.8 | 67.4 | 59.8 | 39.0 | 35.6 | 53.8 |
| 1921 | 35.3 | 37.9 | 49.5 | 53.4 | 63.6 | 71.6 | 78.2 | 77.2 | 72.5 | 58.4 | 42.3 | 31.8 | 56.0 |
| 1922 | 28.9 | 33.6 | 40.7 | 52.5 | 63.9 | 73.6 | 77.9 | 79.4 | 74.2 | 57.6 | 44.6 | 32.6 | 55.0 |
| 1923 | 37.5 | .... | 40.4 | 53.0 | 61.4 | 72.0 | 78.8 | 76.6 | 68.1 | 50.8 | 43.9 | 33.3 | .... |
| 1924 | 28.4 | 36.8 | 33.3 | 53.0 | 57.0 | 74.4 | 76.8 | 79.0 | 67.0 | 58.7 | 44.4 | 26.6 | 53.0 |
| 1925 | 27.8 | 41.2 | 49.5 | 59.2 | 64.8 | 78.6 | 80.6 | 77.0 | 71.2 | 47.2 | .... | .... | .... |
| 1926 | 32.2 | 42.0 | 42.4 | 48.2 | 64.7 | 73.1 | 78.8 | 78.6 | 70.0 | 59.4 | 39.8 | 30.0 | 55.0 |
| 1927 | 33.4 | 37.6 | 41.0 | 56.3 | 67.9 | 72.8 | 78.7 | 73.7 | 70.8 | 59.9 | 46.0 | 28.2 | 55.2 |
| 1928 | 37.0 | 36.4 | 46.0 | 51.2 | 64.2 | 66.7 | 78.2 | 76.7 | 69.1 | 57.2 | 42.2 | 34.4 | 54.9 |
| 1929 | 26.2 | 23.9 | 46.5 | 55.0 | 69.6 | 69.6 | 80.4 | 78.2 | 65.8 | 55.2 | 32.8 | 35.8 | 52.4 |
| 1930 | 18.8 | 46.7 | 41.8 | 58.5 | 62.3 | 74.4 | 80.4 | 78.7 | 69.2 | 54.4 | 44.0 | 33.0 | 55.2 |
| 1931 | 36.8 | 42.4 | 37.9 | 52.3 | 60.4 | 79.1 | 79.2 | 75.6 | 76.5 | 60.4 | 44.2 | 37.8 | 56.9 |
| 1932 | 28.0 | 41.2 | 37.6 | 58.1 | 67.2 | 72.4 | 82.6 | 79.2 | 68.9 | 54.8 | 43.4 | 27.5 | 55.1 |
| 1933 | 38.7 | 33.4 | 48.1 | 53.8 | 63.9 | 80.4 | 81.4 | 76.2 | 74.4 | 58.7 | 45.6 | 40.2 | 57.9 |
| 1934 | 37.4 | .... | 44.8 | 57.2 | 70.4 | 80.0 | 86.6 | 81.9 | 67.2 | 61.6 | 45.8 | .... | .... |
| 1935 | 36.0 ^d | 39.8 ^a | 51.2 | 53.5 | 57.8 | 73.0 | 83.8 | 79.7 | 68.4 | 56.0 | 39.8 | 36.0 ^d | 56.2 |
| 1936 | 30.0 | 25.8 | 47.9 | 54.9 | 66.6 | 76.4 | 81.8 | 81.3 ^a | 70.4 | 53.4 ^a | 43.2 | 37.8 | 55.8 |
| 1937 | 22.5 | 34.7 | 40.5 | 56.6 ^b | 66.6 | 72.8 | 81.6 | 83.6 | 71.0 | 56.0 | 41.4 | 32.3 ^a | 54.7 |
| 1938 | 36.0 ^b | 38.8 | 50.0 ^b | 54.0 ^b | 64.0 | 74.1 ^a | 79.8 | 81.9 | 70.5 | 60.8 | 41.0 ^a | 37.2 | 57.2 |
| 1939 | 38.0 | 29.6 | 44.6 | 55.4 ^c | 67.9 ^c | 75.0 ^a | 80.5 | 76.9 ^a | 72.0 ^a | 57.2 ^a | 43.7 | 38.0 | 56.6 |
| 1940 | 17.2 | 35.8 | 45.6 | 53.8 ^b | 63.4 ^a | 72.2 | 80.2 | 74.2 | 69.2 | 61.1 | 39.9 | 37.6 | 54.2 |
| 1941 | 33.4 | 35.4 ^a | 41.0 | 53.8 | 66.2 | 70.4 | 76.8 | 76.1 | 70.1 | 56.4 | 44.9 ^a | 36.5 | 55.1 |
| 1942 | 30.9 | 31.8 | 45.0 | 56.5 | 64.8 ^b | 72.7 ^a | 79.8 | 76.8 | 67.4 | 57.0 | 45.4 | 34.2 | 55.2 |
| 1943 | 34.6 | 42.4 | 41.4 ^a | 58.6 ^d | 60.8 | 75.0 | 81.7 ^a | 81.6 | 68.0 | 55.0 | 42.6 ^b | 32.1 ^a | 56.2 |
| 1944 | 34.0 | 37.2 | 40.4 ^a | 48.2 ^b | 65.5 ^d | 74.6 | 77.7 | 78.3 | 69.6 | 57.2 | 45.1 | 33.4 | 55.1 |
| 1945 | 33.8 | 36.6 | 49.8 ^a | 51.9 | 65.0 | 68.0 | 78.0 | 78.8 | 68.4 | 57.8 | 45.9 ^b | 30.4 ^a | 55.4 |
| 1946 | 36.2 | 43.0 | 50.5 ^b | 62.2 ^a | 62.0 ^c | 76.3 ^b | 82.0 ^a | 77.8 | 69.2 ^a | 57.2 ^a | 41.4 ^a | 39.6 | 58.1 |
| Normal | 30.9 | 34.2 | 43.8 | 54.0 | 63.7 | 73.4 | 78.9 | 77.8 | 69.6 | 56.5 | 43.0 | 32.6 | 54.9 |

HEALY, LANE COUNTY

(Record prior to June, 1916, taken at Farnsworth, 7 miles northeast of Healy.)

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|-------------------|------|------|
| 1901 | .... | .... | .... | 51.4 | 62.0 | 77.5 | 81.1 | 77.3 | 66.8 | 56.7 | 44.0 | 31.0 | .... |
| 1902 | 29.0 | 30.1 | 43.8 | 53.9 | 66.2 | 69.6 | 75.2 | 78.0 | 64.1 | 56.2 | 43.0 | 26.2 | 52.9 |
| 1903 | 33.9 | 22.8 | 39.2 | 52.5 | 59.7 | 64.2 | 76.2 | 74.4 | 65.7 | 56.2 | 40.8 | 34.4 | 51.7 |
| 1904 | 29.2 | 34.6 | 46.0 | 51.2 | 61.4 | 68.4 | 73.9 | 74.2 | 68.8 | 57.9 | 45.4 | 31.5 | 53.5 |
| 1905 | 24.0 | 21.6 | 48.7 | 50.3 | 59.4 | 74.0 | 72.4 | 77.0 | 71.4 | 52.0 | 44.8 | 32.2 | 52.3 |
| 1906 | 36.4 | 36.0 | 32.3 | 56.2 | 63.0 | 70.2 | 72.0 | 75.3 | 67.6 | 52.4 | 40.8 | 37.8 | 53.3 |
| 1907 | 28.6 | 37.3 | 48.8 | 47.8 | 57.2 | 71.7 | 77.7 | 76.0 | 69.4 | 56.8 | 40.6 | 30.8 | 53.4 |
| 1908 | 33.2 | 36.1 | 45.7 | 55.0 | 62.0 | 71.6 | 75.4 | 75.8 | 69.3 | 54.6 | 41.8 | 34.2 | 54.6 |
| 1909 | 29.7 | 35.8 | 40.6 | 51.4 | 60.2 | 71.4 | 76.8 | 78.7 | 68.1 | 55.4 | 45.8 | 21.4 | 52.9 |
| 1910 | 30.1 | 31.2 | 54.4 | 55.4 | 59.4 | 72.2 | 78.9 | 78.0 | 72.2 | 60.4 | 45.2 | 33.9 | 55.9 |
| 1911 | 34.8 | 33.7 | 48.6 | 53.6 | 65.2 | 78.3 | 77.5 | 75.4 | 73.4 | 52.4 | 37.0 | 27.2 | 54.8 |
| 1912 | 18.6 | 33.4 | 28.9 | 52.0 | 63.8 | 67.2 | 76.6 | 74.4 | 63.3 | 54.3 | 44.7 | 33.9 | 50.9 |
| 1913 | 27.9 | 25.9 | 39.2 | 55.3 | 66.5 | 72.1 | 81.1 | 82.6 | 65.1 | 51.6 | 46.0 | 32.4 | 53.8 |
| 1914 | .... | 30.0 | 41.6 | 52.2 | 62.2 | 75.6 | 75.8 | 75.8 | .... | 57.4 | 46.8 | 22.2 | .... |
| 1915 | 29.0 | 37.2 | 30.2 | 56.5 | 57.2 | 67.2 | 72.0 | 68.3 | 66.6 | 57.4 | 45.8 | 32.4 | 51.6 |
| 1916 | 23.8 | 33.4 | 47.2 | 49.2 | 61.8 | 69.3 | 79.2 | 78.6 | 67.0 | 55.6 | 40.4 | 27.6 | 52.8 |
| 1917 | 29.2 | 33.6 | 39.9 | 49.4 | 56.3 | 72.4 | .... | 73.3 | 69.0 | 50.4 | 47.2 ^a | 27.4 | .... |
| 1918 | 21.4 | 37.3 | 47.8 | 47.2 | 65.4 | 76.4 | 76.4 | 78.4 | 62.3 | 58.4 | 39.8 | 30.9 | 53.5 |
| 1919 | 23.6 | 26.6 | 40.3 | 49.7 | 59.7 | 68.4 | 76.4 | 76.6 | 70.9 | 50.2 | 36.8 | 27.9 | 50.6 |
| 1920 | 32.2 | 33.8 | 42.2 | 46.7 | 59.6 | 70.0 | 76.4 | 71.2 | 67.2 | 58.2 | 38.6 | 32.2 | 52.4 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

HEALY, LANE COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------------------|-------------------|------|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|
| 1921 | 34.3 | 37.2 | 47.8 | 51.8 | 62.8 | 71.0 | 77.1 | 78.4 | 71.6 | 59.1 | 41.5 | 29.6 | 55.2 |
| 1922 | 26.5 | 31.6 | 39.6 | 51.6 | 62.2 | 73.8 | 78.2 | 80.2 | 73.3 | 57.9 | 43.4 | 32.6 | 54.2 |
| 1923 | 36.2 | 30.5 | 37.9 | 52.3 | 58.7 | 70.0 | 76.5 | 73.9 | 66.1 | 49.4 | 43.5 | 32.3 | 52.3 |
| 1924 | 26.8 | 34.7 | 30.8 | 52.2 | 55.8 | 73.2 | 74.8 | 76.6 | 64.4 | 58.1 | 43.6 | 21.2 | 51.0 |
| 1925 | 24.5 | 39.0 | 47.2 | 57.0 | 63.1 | 76.8 | 78.9 | 74.8 | 70.4 | 46.6 | 39.4 | 32.6 | 54.2 |
| 1926 | 32.8 | 40.1 | 40.2 | 48.4 | 63.6 | 71.8 | 78.0 | 78.2 | 68.4 | 57.6 | 38.4 | 27.8 | 53.8 |
| 1927 | 31.5 | 36.2 | 40.0 | 55.8 | 65.2 | 69.0 | 77.4 | 71.5 | 69.2 | 59.2 | 44.2 | 25.0 | 53.7 |
| 1928 | 35.2 | 35.2 | 43.6 | 50.2 | 62.4 | 64.8 | 75.7 | 73.7 | 66.2 | 54.8 | 41.4 | 34.2 | 53.1 |
| 1929 | 24.4 | 23.2 | 44.7 | 53.6 | 60.6 | 71.7 | 79.4 | 77.4 | 64.0 | 54.1 | 30.4 | 33.8 | 51.4 |
| 1930 | 17.7 | 43.4 | 39.2 | 56.0 | 59.8 | 72.2 | 79.4 | 77.6 | 69.6 | 53.4 | 41.8 | 32.7 | 53.6 |
| 1931 | 34.2 | 40.0 | 36.2 | 50.8 | 58.5 | 76.1 | 77.8 | 74.5 | 75.4 | 59.6 | 41.6 | 34.2 | 55.0 |
| 1932 | 23.1 | 38.2 | 35.8 | 55.6 | 64.6 | 70.2 | 81.2 | 77.8 | 66.0 | 52.1 | 40.6 | 24.9 | 52.5 |
| 1933 | 36.0 | 28.8 | 44.9 | 52.1 | 61.6 | 78.4 | 81.1 | 74.8 | 72.1 | 56.0 | 44.9 | 38.0 | 55.7 |
| 1934 | 35.8 | 35.0 | 42.8 | 54.5 | 68.4 | 78.2 | 86.1 | 80.9 | 65.0 | 60.1 | 45.2 | 32.6 | 57.0 |
| 1935 | 36.2 | 36.6 | 49.0 | 51.2 | 57.8 | .... | 84.2 | 80.5 | 68.2 | 55.4 | 38.4 | 34.2 | .... |
| 1936 | 28.0 | 20.3 | 45.9 | 52.2 | 65.1 | 74.8 | 82.6 | 81.2 | 69.0 | 52.7 | 41.2 ^a | 35.1 | 54.0 |
| 1937 | 18.2 ^a | 32.3 ^a | 38.5 | 51.7 | 64.6 | 70.2 ^d | 79.8 ^a | 80.4 | 67.2 | .... | .... | 29.4 ^a | .... |
| 1938 | 34.6 | 36.3 | 48.4 | 52.8 | 60.4 | 73.2 | 80.6 | 82.9 | 71.2 ^a | 61.4 | 39.6 | 34.5 | 56.3 |
| 1939 | 36.4 | 27.4 ^b | 41.9 | 53.6 | 66.6 | 74.2 ^b | 82.2 ^a | 77.8 ^a | 73.8 | 58.4 ^a | 43.2 ^a | 37.9 | 56.1 |
| 1940 | 13.8 | 32.2 | 44.2 ^a | 52.8 | 62.6 | 72.8 | 81.9 | 75.4 | 69.7 | 61.6 | 38.9 | 36.0 | 53.5 |
| 1941 | 33.0 | 33.7 | 39.5 | 52.4 | 65.2 | 69.6 | 76.6 | 76.4 | 70.2 | 56.0 | 44.0 | 34.2 | 54.2 |
| 1942 | 28.6 | 30.2 | 43.0 | 54.8 | 61.4 | 71.2 | 79.8 | 76.6 | 65.8 | 55.9 | 43.0 | 32.0 | 53.5 |
| 1943 | 32.6 | 40.2 | 38.5 ^a | 54.2 | 58.8 | 74.3 | 81.0 | 81.6 | 67.2 | 53.6 | 40.9 | 32.0 | 54.7 |
| 1944 | 32.8 | 34.6 | 37.0 | 46.7 | 63.4 | 72.8 | 75.2 ^b | 76.6 | 68.3 | 56.6 | 42.7 | 30.9 | 53.2 |
| 1945 | 31.8 | 34.3 | 47.0 | 48.7 | 60.9 | 64.8 | 76.5 | 78.4 | 67.6 | 56.6 | 44.1 | 27.4 | 53.1 |
| 1946 | 33.8 | 39.4 | 48.2 | 58.8 | 57.7 | 74.2 | 80.1 | 76.3 | 68.0 | 54.4 | 39.4 | 37.1 | 55.6 |
| Normal | 29.1 | 33.0 | 42.1 | 52.4 | 61.9 | 72.0 | 78.1 | 76.7 | 68.4 | 55.7 | 42.0 | 31.2 | 53.6 |

LAKIN, NEARBY COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|-------------------|-------------------|------|------|-------------------|------|------|------|-------------------|------|
| 1893 | 36.8 | 34.0 | 44.4 | 54.8 | 60.4 | 73.3 | 77.6 | 71.2 | 65.6 | .... | 40.7 | .... | .... |
| 1894 | 32.6 | 29.4 | 42.9 | 57.8 | 65.6 | 73.2 | 77.6 | 73.7 | 69.2 | 60.4 | 49.6 | 39.0 | 55.9 |
| 1895 | 28.2 | 22.5 | 43.6 | 61.2 ^e | 67.3 | .... | .... | .... | .... | .... | .... | .... | .... |
| 1896 | .... | .... | .... | .... | .... | .... | 82.2 | 83.2 | .... | .... | .... | .... | .... |
| 1897 | 32.8 | .... | 46.5 | .... | 66.3 ^c | .... | 80.2 | 77.1 ^b | 71.8 | 61.0 | 43.4 | 29.8 ^b | .... |
| 1898 | .... | 38.8 | .... | .... | .... | .... | .... | 86.8 | 76.2 | .... | .... | .... | .... |
| 1899 | .... | .... | .... | .... | .... | .... | 76.0 | .... | .... | .... | 45.3 | 30.2 | .... |
| 1900 | 36.0 | 31.2 | 44.7 | 52.0 | 64.4 | 74.4 | 76.8 | 78.8 | 67.0 | 60.0 | 42.0 | 35.4 | 55.2 |
| 1901 | 32.5 | 30.0 | 41.4 | 53.7 | 62.2 | 76.0 | 80.6 | 77.4 | 67.7 | 56.9 | 44.4 | 32.8 | 54.6 |
| 1902 | 31.4 | 33.2 | 45.1 | 55.0 | 66.7 | 71.8 | 78.2 | 80.1 | 65.6 | 56.4 | 42.8 | 28.0 | 54.6 |
| 1903 | 32.8 | 27.7 | 39.0 | 53.2 | 60.9 | 65.2 | 76.8 | 76.4 | 60.0 | 56.0 | 42.0 | 34.5 | 51.5 |
| 1904 | 29.2 | 36.4 | 46.8 | 52.3 | 62.3 | 69.2 | 76.1 | 75.0 | 67.6 | 56.3 | .... | 29.4 | .... |
| 1905 | 22.6 | 21.0 | 48.6 | 50.9 | 60.4 | 74.0 | 74.3 | 79.2 | 68.8 | 50.8 | 43.1 | 30.5 | 52.0 |
| 1906 | 35.2 | 35.1 | 32.8 | 55.6 | 63.4 | 68.1 | 70.3 | .... | 66.2 | 51.0 | 39.7 | 38.1 | .... |
| 1907 | 31.0 | 38.4 | 51.8 | 49.8 | 58.6 | 71.8 | 78.6 | 75.0 | .... | .... | 39.8 | 32.2 | .... |
| 1908 | 33.8 | 36.6 | 46.7 | 54.9 | 62.7 | 74.3 | 76.8 | 76.0 | 68.8 | 53.2 | 41.2 | 33.2 | 54.8 |
| 1909 | 30.8 | 34.9 | 40.7 | 52.7 | 60.1 | 74.3 | 79.0 | 79.1 | 67.4 | 54.0 | 44.1 | 23.4 | 53.4 |
| 1910 | 30.2 | 30.3 | 54.3 | 54.8 | 60.1 | 73.7 | 78.6 | 74.0 | 68.6 | 56.2 | 43.2 | 33.3 | 54.6 |
| 1911 | 35.2 | 31.2 | 46.6 | 53.6 | 65.2 | 78.2 | 78.4 | 75.1 | 71.8 | 50.6 | 36.4 | 24.3 | 55.4 |
| 1912 | 17.6 | 29.8 | .... | 49.1 | 64.4 | 66.1 | 77.4 | 73.9 | 62.4 | 53.0 | 41.6 | 31.4 | .... |
| 1913 | 28.4 | 22.6 | 38.6 | 53.8 | 67.0 | 71.6 | 79.0 | 79.9 | .... | 52.3 | 46.6 | 32.2 | .... |
| 1914 | 38.8 | 31.3 | 43.6 | 54.4 | .... | 77.6 | 79.7 | 77.0 | 72.6 | 56.8 | 45.8 | 25.2 | .... |
| 1915 | 30.0 | 38.0 | 33.6 | 57.4 | 59.6 | 68.0 | 70.9 | 69.0 | 66.9 | 50.0 | 45.3 | 33.0 | 52.3 |
| 1916 | 25.8 | 35.9 | 49.2 | 51.0 | 64.6 | 72.0 | 81.4 | 77.5 | 67.2 | 56.2 | 41.4 | 29.3 | 54.3 |
| 1917 | 30.0 | 35.6 | 41.5 | 51.4 | 57.3 | 72.3 | 79.0 | 74.2 | 68.8 | 51.6 | 47.7 | 30.6 | 53.3 |
| 1918 | 24.4 | 39.2 | 49.1 | 48.5 | 66.6 | 76.8 | 76.4 | 78.8 | 63.4 | 59.0 | 39.8 | 31.8 | 54.5 |
| 1919 | 23.8 | 27.9 | 43.2 | 51.9 | 61.4 | 69.8 | 77.0 | 77.8 | 72.2 | 52.0 | 38.4 | 29.0 | 52.0 |
| 1920 | 33.4 | 35.9 | 44.6 | 48.7 | 61.6 | 72.0 | 77.4 | 71.5 | .... | 58.9 | .... | .... | .... |
| 1921 | .... | 38.4 | 50.4 | 53.6 | 63.6 | 72.8 | 78.0 | 77.6 | 71.4 | 58.6 | 43.7 | 32.4 | .... |
| 1922 | 28.6 | 34.6 | 41.2 | 53.2 | 63.5 | 73.8 | 75.8 | 79.8 | 72.2 | 57.4 | 43.8 | 33.8 | 54.8 |
| 1923 | 37.2 | .... | .... | 54.8 | 61.4 | 71.3 | 78.3 | 75.8 | 67.6 | 50.6 | 43.9 | 32.2 | .... |
| 1924 | 27.7 | 36.3 | 32.3 | 54.8 | 58.2 | 73.8 | 76.7 | 78.5 | 65.3 | 57.8 | 44.6 | 23.4 | 52.4 |
| 1925 | 26.3 | 41.1 | 49.6 | 59.2 | 65.8 | 78.0 | 80.2 | 76.0 | 72.3 | .... | 38.5 | 34.0 | .... |
| 1926 | 32.4 | 42.0 | 42.0 | 49.7 | 66.0 | 73.4 | 78.4 | 78.4 | 69.5 | 58.4 | 40.5 | 29.0 | 55.0 |
| 1927 | 32.2 | 37.4 | 42.4 | 57.3 | 68.4 | 71.8 | 78.1 | 72.2 | 68.2 | 57.4 | 44.6 | 26.0 | 54.7 |
| 1928 | 35.9 | 35.5 | 45.2 | 51.5 | 63.6 | 66.2 | 76.8 | 74.4 | 66.3 | 54.8 | 40.6 | 33.1 | 53.9 |
| 1929 | 26.4 | 24.0 | 45.8 | 56.1 | 62.3 | 72.2 | 79.3 | 77.6 | 65.7 | 55.0 | 32.2 | 34.4 | 52.6 |
| 1930 | 18.8 | 44.7 | 41.6 | 58.6 | 61.6 | 74.4 | 79.7 | 77.6 | 67.2 | 53.0 | 43.0 | 32.2 | 54.4 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

LAKIN, KEARNY COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|
| 1931 | 34.8 | 41.4 | 38.8 | 52.2 | 61.0 | 78.6 | 78.4 | 74.6 | 74.6 | 58.2 | 41.2 | 35.6 | 55.8 |
| 1932 | 27.4 | 40.8 | 37.7 | 56.8 | 66.4 | 71.2 | 81.0 | 78.4 | 66.4 | 52.8 | 42.6 | 25.6 | 53.9 |
| 1933 | 36.4 | 32.0 | 47.4 | 53.3 | 63.0 | 79.0 | 81.0 | 75.5 | 72.6 | 57.8 | 45.4 | 40.2 | 57.0 |
| 1934 | 36.8 | 36.8 | 44.7 | 57.2 | 70.2 | 79.0 | 85.4 | 81.2 | 65.9 | 60.4 | 45.9 | 33.8 | 58.1 |
| 1935 | 35.7 | 40.2 | 50.5 | 53.0 ^b | 58.5 ^a | 73.6 | 82.8 | 77.8 ^a | 68.4 | 57.2 | 39.2 | 34.8 | 56.0 |
| 1936 | 29.3 | 26.1 ^c | 46.7 | 54.4 ^a | 66.0 ^a | 75.8 | 82.6 | 82.0 | 68.8 | 53.8 | 43.4 | 37.3 ^c | 55.5 |
| 1937 | 22.4 | 35.4 | 40.5 | 54.4 | 66.8 | 72.6 | 81.2 ^d | 83.7 | 71.3 | 57.6 | 40.9 | 32.4 | 54.9 |
| 1938 | 35.4 | 38.8 | 50.0 | 54.8 | 64.1 ^a | 74.6 ^a | 80.2 | 81.4 | 71.0 | 62.4 | 41.0 ^a | 36.8 | 57.5 |
| 1939 | 37.4 | 31.0 | 44.8 | 55.0 | 67.0 | 75.0 | 81.3 | 77.7 | 72.2 ^c | 58.8 | 43.3 ^a | 38.2 | 56.8 |
| 1940 | 19.6 ^a | 36.8 | 46.4 | 54.6 | 64.2 ^b | 73.9 | 82.4 | 75.6 | 71.4 | 62.4 ^a | 40.6 | 33.9 ^a | 55.2 |
| 1941 | 33.6 | 35.8 | 41.4 | 53.4 | 66.4 | 70.8 | 77.2 | 76.8 | 71.4 | 56.7 | 45.2 | 36.6 | 55.4 |
| 1942 | 30.2 | 31.4 | 43.6 | 56.0 | 64.1 | 72.4 | 79.6 | 76.6 | 67.4 | 56.8 | 45.8 | 33.7 | 54.8 |
| 1943 | 34.4 | 41.6 | 40.9 | 58.6 | 60.7 | 75.4 | 81.8 | 82.4 | 69.0 | 55.2 | 42.4 | 32.4 | 56.2 |
| 1944 | 33.4 | 36.6 | 40.6 | 48.6 | 65.0 | 75.4 | 77.9 | 78.6 | 69.8 | 57.2 | 44.5 | 32.8 ^b | 55.0 |
| 1945 | 32.3 | 36.4 | 49.6 | 50.9 | 64.0 | 67.8 ^a | 78.2 | 78.3 | 68.2 | 57.4 | 45.6 | 30.0 | 54.9 |
| 1946 | 36.0 | 41.6 | 48.8 ^c | 61.4 ^b | 60.9 ^c | 75.5 | 82.2 | 78.4 | 69.1 | 56.5 | 39.1 ^a | 38.1 ^b | 57.3 |
| Normal | 30.4 | 34.2 | 44.0 | 53.7 | 63.4 | 73.1 | 78.5 | 77.2 | 68.7 | 56.0 | 42.4 | 32.0 | 54.5 |

NORTON, NORTON COUNTY

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|-------------------|-------------------|------|-------------------|------|------|
| 1890 | .... | .... | .... | .... | .... | 74.5 | 80.3 | 74.3 | 64.8 | 52.5 | 41.4 | .... | .... |
| 1891 | 27.9 | 24.8 | 32.0 | 52.6 | 61.4 | 65.3 | 73.0 | 72.0 | 67.1 | 52.4 | 37.8 | 32.6 | 49.9 |
| 1892 | 24.8 | 30.8 | 35.6 | 49.2 | 54.6 | 70.1 | .... | .... | .... | .... | .... | .... | .... |
| 1893 | .... | .... | .... | 49.4 | 60.5 | 75.4 | 78.2 | 72.8 | .... | .... | .... | 32.9 | .... |
| 1894 | 25.7 | 22.7 | 44.3 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1895 | .... | .... | 41.2 | 55.5 | 62.6 | 69.4 | 69.9 | 72.8 | 69.8 | .... | .... | .... | .... |
| 1896 | 28.6 | 34.9 | 32.1 | 54.5 | 63.4 | 70.6 | 72.3 | 72.6 | 59.9 | .... | .... | 34.5 | .... |
| 1897 | 27.4 | 31.0 | 38.8 | 50.0 | 61.2 | 69.6 | 75.5 | 71.6 | 69.6 | 55.9 | 38.0 | 26.8 | 51.3 |
| 1898 | 29.5 | 35.8 | 37.8 | 50.0 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1900 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1903 | .... | .... | .... | .... | .... | .... | .... | 73.0 | 62.8 | 55.6 | 40.0 | 31.6 | .... |
| 1904 | 28.4 | 26.6 | 42.4 | 49.4 | 61.1 | 66.9 | 74.6 | 72.2 | 67.0 | 58.0 | 42.9 | 30.4 | 51.7 |
| 1905 | 20.2 | 19.0 | 45.7 | 48.4 | 59.0 | 72.8 | 71.5 | 75.8 | 69.8 | 50.6 | 44.1 | 30.6 | 50.6 |
| 1906 | 33.1 | 34.0 | 29.4 | 57.9 | 63.6 | 69.1 | 71.2 | 76.1 | 68.2 | 50.8 | 39.5 | 34.6 | 52.3 |
| 1907 | 29.4 | 34.3 | 46.2 | 45.2 | 56.6 | 70.2 | 77.0 | 77.1 | 67.2 | 54.8 | 37.4 | 29.0 | 51.6 |
| 1908 | 31.9 | 31.9 | 43.1 | 52.8 | 60.7 | 70.6 | 74.4 | 73.4 | 69.8 | 52.4 | 41.0 | 32.8 | 52.9 |
| 1909 | 26.9 | 31.4 | 37.8 | 48.1 | 60.8 | 70.6 | 77.0 | 79.8 | 67.5 | 54.2 | 44.8 | 17.8 | 51.4 |
| 1910 | 26.2 | 29.3 | 55.0 | 57.5 | 59.2 | 71.4 | 79.0 | 74.2 | 68.6 | 59.8 | 41.6 | 32.8 | 54.6 |
| 1911 | 31.6 | 32.4 | 47.8 | 51.2 | 64.3 | 81.2 | 77.7 | 74.5 | 73.0 | 51.0 | 36.5 | 27.4 | 54.0 |
| 1912 | 17.5 | 30.8 | 27.0 | 53.0 | 64.9 | 67.2 | 77.8 | 73.6 | 62.5 | 53.6 | 43.2 | 33.4 | 50.4 |
| 1913 | 26.1 | 22.4 | 36.8 | 54.2 | 63.3 | 72.8 | 79.4 | 83.2 | 65.2 | 50.4 | 45.4 | 30.7 | 52.5 |
| 1914 | 35.5 | 26.8 | 39.6 | 52.2 | 61.7 | 75.0 | 76.6 | 76.0 | 69.0 | 55.4 | 45.3 | 19.4 | 52.7 |
| 1915 | 26.1 | 33.1 | 26.2 | 55.6 | 56.0 | 65.2 | 69.8 | .... | 65.5 | 57.7 | 45.2 | 31.2 | .... |
| 1916 | 19.6 | 32.4 | 45.1 | 49.1 | 62.0 | 68.1 | 81.8 | 78.9 | 66.8 | 54.6 | 40.6 | 24.6 | 52.0 |
| 1917 | 28.4 | 29.8 | 38.5 | 48.4 | 55.9 | 72.4 | 80.8 | 73.6 | 69.0 | 50.1 | 47.1 | 26.4 | 51.7 |
| 1918 | 18.8 | 33.8 | 48.0 | 47.0 | 64.9 | 77.6 | 78.0 | 77.8 | 62.2 | 59.0 | 40.4 | 33.0 | 53.4 |
| 1919 | 31.9 | 28.0 | 40.0 | 48.7 | 59.9 | 70.7 | 78.7 | 75.7 | 69.2 | 49.2 | 34.4 | 23.4 | 50.8 |
| 1920 | 30.6 | 33.2 | 43.3 | 44.2 | 58.8 | 70.0 | 76.2 | 71.2 | 67.8 | 58.8 | 37.7 | 29.8 | 51.8 |
| 1921 | 34.4 | 38.0 | 45.9 | 52.2 | 63.8 | 73.4 | 78.8 | 77.4 | 70.6 | 58.6 | 42.0 | .... | .... |
| 1922 | 25.4 | 29.4 | 39.4 | 51.8 | 62.0 | .... | 75.9 | 79.9 | 73.2 | 48.2 | 30.7 | .... | .... |
| 1923 | 35.2 | 28.6 | 36.9 | 51.0 | 58.4 | 70.2 | 76.6 | 74.2 | 67.8 | 49.2 | .... | .... | .... |
| 1924 | 23.0 | 32.8 | 32.6 | 52.2 | 56.0 | 71.0 | 74.8 | 77.0 | 63.6 | 59.9 | 42.4 | 21.0 | 50.5 |
| 1925 | 23.0 | 37.7 | 45.6 | 56.8 | 59.6 | .... | 79.8 | 75.6 | 71.4 | 45.4 | 42.2 | 32.0 | .... |
| 1926 | 32.4 | 39.6 | 40.6 | 49.6 | 66.0 | 72.7 | 78.8 | 80.2 | 66.7 | 56.6 | 36.6 | 28.9 | 54.1 |
| 1927 | 29.8 | 35.2 | 39.0 | 53.0 | 63.8 | 69.1 | 76.8 | 70.5 | 68.4 | 59.8 | 41.3 | 23.3 | 52.5 |
| 1928 | 33.6 | 34.4 | 43.9 | 49.6 | 61.8 | 62.8 | 74.8 | 74.2 | 65.0 | 54.3 | 40.6 | 32.4 | 52.3 |
| 1929 | 20.5 | 20.9 | 42.8 | 52.7 | 59.2 | 70.2 | 78.2 | 77.4 | 62.5 | 54.1 | 33.0 | 33.2 | 50.4 |
| 1930 | 14.8 | 43.4 | 37.8 | 55.4 | 59.0 | 69.5 | 79.2 | 76.2 | 67.0 | 52.2 | 39.8 | 31.4 | 52.5 |
| 1931 | 34.5 | 38.8 | 34.0 | 50.2 | 58.6 | 76.7 | 78.5 | 73.3 | 74.7 | 58.2 | 41.4 | 33.8 | 54.4 |
| 1932 | 23.2 | 34.0 | 34.5 | 55.5 | 64.8 | 72.0 | 82.0 | 78.2 | 65.7 | 52.4 | 40.6 | 24.6 | 52.3 |
| 1933 | 36.4 | 29.1 | 42.4 | 52.0 | 60.8 | 81.4 | 81.6 | 75.2 | 72.5 | 56.4 | 44.5 | 36.5 | 55.7 |
| 1934 | 34.7 | 33.8 | 41.8 | 55.0 | 70.0 | 78.4 | 87.1 | 81.7 | 62.9 | 60.6 | 44.2 | 28.8 | 56.6 |
| 1935 | 33.9 | 37.0 | 47.5 | 49.6 | 54.9 | 68.7 | 85.1 | 79.4 | 67.4 ^a | 52.2 | 36.4 | 33.2 | 53.8 |
| 1936 | 24.6 | 17.1 | 44.5 | 51.2 | 65.4 | 76.6 | 85.5 | 83.0 ^a | 70.7 | 52.6 | 41.6 | 30.0 | 53.8 |
| 1937 | 14.8 | 29.6 | 38.0 | 51.9 | 66.1 | 71.8 | 82.2 | 83.8 | 70.3 | 55.2 | 39.8 | 30.2 | 52.8 |
| 1938 | 32.2 | 33.6 | 46.0 | 51.9 | 59.6 | 73.2 | 81.0 | 82.5 | 71.6 | 63.1 | 39.2 | 33.4 | 56.8 |
| 1939 | 34.8 | 25.4 | 41.6 | 51.6 | 67.1 | 72.8 | 82.6 | 76.6 | 72.4 | 58.8 | 42.0 ^d | 37.0 | 55.2 |
| 1940 | 12.6 | 30.6 | 42.0 | 52.2 | 62.4 | 75.2 | 82.0 | 74.9 | 70.2 | 61.6 | 36.4 | 33.8 | 52.8 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

MORTON, MORTON COUNTY - Continued

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|------|------|------|------|------|------|------|------|------|------|-------------------|-------------------|--------|
| 1941 | 29.5 | 31.0 | 37.0 | 52.2 | 65.8 | 70.1 | 77.5 | 77.2 | 67.8 | 55.2 | 43.4 | 33.2 | 53.3 |
| 1942 | 26.5 | 28.7 | 40.8 | 55.0 | 60.8 | 70.2 | 79.6 | 74.8 | 63.7 | 55.7 | 40.8 | 30.4 | 52.2 |
| 1943 | 28.9 | 38.4 | 37.0 | 55.4 | 58.3 | 71.4 | 78.4 | 80.1 | 65.4 | 53.6 | 40.6 | 31.3 | 53.2 |
| 1944 | 32.6 | 30.6 | 33.0 | 45.0 | 64.2 | 71.8 | 74.5 | 75.2 | 66.4 | 57.2 | 41.5 ^a | 31.0 ^d | 51.9 |
| 1945 | 31.6 | 34.2 | 47.4 | 48.8 | 59.8 | 63.9 | 76.1 | 76.1 | 66.7 | 56.3 | 43.4 | 25.4 | 52.5 |
| 1946 | 33.6 | 38.9 | 49.0 | 59.1 | 56.6 | 73.3 | 78.1 | 74.8 | 67.2 | 54.2 | 38.4 | 35.8 | 54.9 |
| Normal | 27.5 | 31.3 | 40.6 | 51.6 | 61.5 | 71.8 | 78.5 | 76.6 | 67.9 | 55.2 | 41.0 | 30.0 | 52.8 |

ULYSSES, GRANT COUNTY

| | | | | | | | | | | | | | |
|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------|
| 1892 | 30.6 | 41.8 | 38.0 | 55.1 | 62.0 | 73.6 | 78.8 | 83.3 | 71.4 | 60.2 | 44.6 | 30.5 | 55.8 |
| 1893 | 38.2 | 35.0 | 43.2 | 55.6 | 62.6 | 78.2 | 82.2 | 76.2 | .... | .... | .... | .... | .... |
| 1894 | .... | 22.1 | 46.0 | 57.7 | 68.8 | 75.6 | 81.2 | 77.8 | 68.2 | 62.0 | 44.6 | .... | .... |
| 1895 | .... | 24.2 | 39.8 | 55.3 | 64.0 | 67.8 | .... | .... | .... | .... | .... | .... | .... |
| 1896 | .... | 36.0 | 39.8 | 57.9 | 68.2 | 77.5 | 81.6 | .... | 66.8 | 52.6 | 36.2 | 38.1 | .... |
| 1897 | 26.1 | 30.1 | 41.6 | 51.8 | 65.2 | 75.5 | 79.4 | 73.7 | 73.0 | 56.6 | 38.8 | 28.2 | 53.3 |
| 1898 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1899 | .... | .... | .... | .... | 66.8 | 74.5 | 76.4 | 80.5 | 70.2 | 58.0 | 45.9 | .... | .... |
| 1900 | 36.2 | 29.8 | 45.4 | 54.0 | 65.2 | 76.4 | 76.8 | 79.8 | 67.4 | 59.8 | 41.5 | 34.0 | 55.5 |
| 1901 | .... | 29.4 | 45.3 | 54.6 | 64.5 | 78.0 | 82.8 | 79.3 | 69.5 | 57.4 | 44.2 | 31.6 | .... |
| 1902 | 32.3 | 33.0 | 44.8 | 52.6 | 65.8 | 72.0 | 79.0 | 82.3 | 66.5 | 58.3 | 44.5 | 27.6 | 54.9 |
| 1903 | 33.2 | 23.9 | 42.6 | 55.0 | 61.0 | 66.4 | 79.8 | 79.2 | 68.4 | 58.7 | 42.2 | 34.2 | 53.7 |
| 1904 | 30.4 | 36.6 | 46.9 | 51.8 | 62.8 | 69.8 | 75.9 | .... | 68.6 | 56.6 | 44.0 | 31.4 | .... |
| 1905 | 23.0 | 20.3 | 47.4 | 48.2 | 59.0 | .... | 73.8 | 79.6 | 73.2 | 54.7 | 45.0 | 32.4 | .... |
| 1906 | 37.7 | 35.4 | 32.4 | .... | .... | .... | 74.7 | 76.8 | 70.8 | 53.5 | 39.4 | .... | .... |
| 1907 | .... | 39.1 | 52.0 | 49.8 | 58.3 | 70.0 | .... | 77.6 | 70.3 | 58.2 | 40.4 | 32.0 | .... |
| 1908 | 35.4 | 39.5 | 46.5 | 54.0 | 62.6 | .... | 75.8 | 77.6 | 69.4 | 56.4 | 42.9 | 36.6 | .... |
| 1909 | 33.3 | 37.8 | .... | 55.2 | 65.0 | 74.6 | .... | 82.0 | 68.6 | 56.4 | .... | 24.0 | .... |
| 1910 | 33.0 | 31.5 | 52.8 | 54.2 | 63.9 | 77.0 | 81.8 | 76.4 | 73.2 | 57.9 | .... | 33.6 | .... |
| 1911 | .... | 33.6 | 47.6 | 55.5 | .... | 78.6 | 79.2 | 76.2 | 75.2 | 51.6 | 38.2 | 25.6 | .... |
| 1912 | 18.2 | 32.6 | 33.6 | 52.6 | 66.2 | 70.4 | 79.2 | 77.6 | 63.3 | 57.2 | 45.8 | 32.9 | 52.5 |
| 1913 | 33.6 | 22.5 | 40.8 | 54.6 | 68.4 | 72.6 | .... | .... | 66.4 | 55.0 | 47.4 | 32.5 | .... |
| 1914 | 37.2 | 33.4 | 44.8 | 53.9 | .... | 77.8 | 78.8 | 78.0 | 72.1 | 56.8 | 47.2 | 24.9 | .... |
| 1915 | 31.8 | 40.0 | 32.4 | 56.4 | 60.3 | 70.1 | 75.3 | 71.2 | 70.4 | 59.7 | .... | 33.2 | .... |
| 1916 | 26.8 | .... | .... | .... | 63.5 | 72.0 | 80.8 | 78.2 | 66.3 | 55.0 | 38.6 | .... | .... |
| 1917 | 29.8 | 34.6 | 41.3 | .... | 56.7 | 73.4 | 80.8 | 74.6 | 69.1 | 51.4 | 47.0 | 30.9 | .... |
| 1918 | 24.4 | .... | 49.0 | .... | 66.7 | 77.4 | 77.3 | 80.6 | 63.7 | 58.0 | 38.0 | 30.6 | .... |
| 1919 | .... | 25.0 | 43.8 | 51.4 | 61.4 | 69.0 | 76.4 | 77.6 | .... | .... | .... | .... | .... |
| 1920 | 32.8 | 35.2 | 43.2 | 49.0 | 61.8 | 72.2 | 77.6 | 70.6 | 68.6 | 58.3 | 39.6 | 36.7 | 53.8 |
| 1921 | 37.0 | 40.0 | 50.0 | 53.5 | 62.7 | 71.9 | 77.5 | .... | 74.4 | 59.9 | 43.4 | 31.0 | .... |
| 1922 | 29.2 | 34.5 | 39.4 | 53.6 | 61.8 | 73.9 | 76.2 | 78.9 | 73.6 | 57.6 | 43.4 | 34.3 | 54.7 |
| 1923 | 38.1 | 32.0 | 41.1 | 54.9 | 61.0 | 71.4 | 73.6 | 77.2 | 68.0 | 49.0 | 42.8 | 32.3 | 53.9 |
| 1924 | 28.2 | 37.2 | 30.7 | 53.2 | .... | 73.5 | 75.7 | 78.4 | 65.1 | .... | 42.4 | 22.6 | .... |
| 1925 | 26.7 | 41.6 | 49.6 | 58.8 | 65.4 | .... | 79.0 | 75.0 | 69.2 | 48.4 | 41.9 | 32.4 | .... |
| 1926 | 32.1 | 41.6 | 39.9 | 48.2 | 64.0 | 72.3 | 77.5 | 78.0 | 69.6 | 58.0 | 39.1 | .... | .... |
| 1927 | 32.6 | 38.2 | 43.4 | 56.0 | 65.9 | 70.0 | 76.6 | 72.4 | 69.7 | 58.2 | 45.2 | 27.8 | 54.7 |
| 1928 | 37.8 | 36.4 | 45.2 | 50.8 | 63.0 | 66.4 | 76.8 | 74.1 | 67.2 | 55.2 | 40.6 | 34.4 | 54.0 |
| 1929 | 27.4 | 25.0 | 45.6 | 54.8 | 60.5 | 71.2 | 77.6 | 77.0 | 66.0 | 54.8 | 32.8 | 35.2 | 52.3 |
| 1930 | 17.0 | 44.0 | 40.2 | 58.0 | 62.4 | 75.0 | 79.2 | 77.8 | 68.1 | 54.1 | 43.2 | 30.6 | 54.1 |
| 1931 | 34.6 | 41.5 | 38.5 | 51.6 | 59.8 | 77.0 | 80.2 | 77.0 | 76.9 | 60.4 | 40.6 | 34.6 | 56.1 |
| 1932 | 28.2 | 40.5 | 39.0 | 56.6 | 65.6 | 71.8 | 81.8 | 79.2 | 68.7 | 55.0 | 42.8 | 25.8 | 54.6 |
| 1933 | 37.4 | 32.4 | 48.1 | 53.8 | 64.5 | 79.4 | 81.4 | 76.6 | 74.4 | 58.8 | 46.0 | 40.8 | 57.8 |
| 1934 | 38.5 | 37.6 | 46.3 | 57.4 | 70.1 | 79.0 | 85.4 | 81.6 | 66.4 | 60.8 | 46.0 | 35.0 | 58.7 |
| 1935 | 38.6 | 39.6 | 50.6 | 53.8 ^d | 57.8 | 73.4 | 82.0 | 80.2 ^f | 68.6 | 57.7 ^c | 40.2 | 34.6 | 56.4 |
| 1936 | 30.0 | 24.4 | 47.4 | 55.6 ^e | 65.6 | 77.2 | 81.0 | 81.8 | 70.2 | 55.6 ^f | 42.8 | 36.5 ^b | 55.7 |
| 1937 | 24.4 ^a | 37.0 ^a | 42.0 | 53.7 ^d | 67.4 | 76.0 ^d | 82.4 | 83.8 | 72.4 | 58.4 | 42.3 ^a | 32.8 | 56.0 |
| 1938 | 35.7 | 38.8 | 51.0 | 54.4 ^c | 64.4 | 74.0 ^f | 80.0 | 82.6 ^b | 70.9 ^b | 61.2 ^b | 41.5 | 37.0 | 57.6 |
| 1939 | 37.8 | .... | 45.6 | 56.2 ^a | 67.6 | 75.6 | 81.9 | 78.6 | 74.6 | 59.6 | 43.1 | 38.3 | 54.9 |
| 1940 | 17.0 | 36.6 | 46.0 ^b | 54.6 | 63.8 | 73.6 | 82.4 | 75.8 | 71.6 ^d | 61.1 ^d | 41.0 | 36.8 ^b | 55.0 |
| 1941 | 34.6 | 36.6 | 44.8 ^b | 53.9 | 65.8 | 70.4 ^b | 76.6 ^a | 76.5 | 71.0 ^h | 57.7 | 45.0 | 36.8 | 55.5 |
| 1942 | 30.6 | 31.6 ^b | 44.0 | 55.6 | 64.2 | 72.7 ^a | 80.4 ^b | 76.6 | .... | 55.6 ^f | 46.2 | 33.9 | .... |
| 1943 | 34.4 | 42.0 | .... | 59.1 | 61.0 | 76.2 | 81.8 | 82.2 | 69.8 | 55.8 | 42.5 | 30.6 | .... |
| 1944 | 32.9 | 36.8 | 41.2 | 49.1 | 64.7 | 75.2 | 77.5 | 78.8 | 70.3 | 57.6 | 44.9 | 33.0 | 55.2 |
| 1945 | 32.8 | 36.8 | 48.8 | 51.2 | 64.0 | 68.8 | 78.7 | 78.0 | 69.6 | 57.8 | 45.7 | 29.6 | 55.1 |
| 1946 | 35.8 | 42.0 | 49.6 | 61.7 | 61.3 ^a | 75.9 | 82.6 | 79.2 | 70.0 | 56.7 | 40.2 | 39.3 | 57.9 |
| Normal | 31.3 | 34.5 | 43.9 | 53.9 | 63.6 | 73.4 | 78.8 | 77.9 | 69.7 | 56.8 | 42.6 | 32.5 | 54.9 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

WESTERN DIVISION

WAKEENEY, TREGO COUNTY

(Record prior to August, 1904, taken at Bureka Ranch, 12 miles southeast of Wakeeney.)

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|--------|-------------------|------|------|-------------------|------|------|-------------------|------|------|------|-------------------|-------------------|--------|
| 1887 | .... | 28.7 | 50.4 | 62.7 | .... | 75.4 | .... | .... | 68.0 | 58.0 | 45.0 | .... | .... |
| 1888 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1889 | .... | .... | 42.9 | .... | 63.6 | .... | .... | .... | .... | .... | 39.3 | 43.7 | .... |
| 1890 | 25.5 | 30.7 | 41.7 | 55.5 | 66.2 | 80.0 | 86.2 | 78.2 | 68.7 | 56.2 | 43.1 | 37.1 | 55.8 |
| 1891 | 30.3 | 29.2 | 34.1 | 55.4 | 64.0 | 70.9 | 76.3 | 74.2 | 69.8 | 53.4 | 40.5 | 33.4 | 52.6 |
| 1892 | 25.6 | 35.6 | 35.5 | 49.8 | 55.0 | 70.8 | 76.6 | 75.6 | 67.4 | 56.0 | 40.6 | 25.0 | 51.1 |
| 1893 | 31.0 | 28.0 | 38.6 | 52.6 | 59.6 | 76.5 | 78.8 | 73.2 | 69.0 | 53.6 | 37.1 | 35.4 | 52.8 |
| 1894 | 29.8 | 23.7 | 42.2 | 54.7 | 64.5 | 74.3 | 79.8 | 79.3 | 69.4 | 58.6 | 47.0 | 33.0 | 54.7 |
| 1895 | 24.0 | 26.8 | 40.5 | 55.8 | 63.4 | 70.4 | 74.0 | 75.4 | 71.9 | 50.6 | 38.7 | 31.6 | 51.9 |
| 1896 | 33.8 | 37.4 | 36.6 | 58.1 | 66.8 | 74.0 | 78.4 | 77.2 | 61.8 | 51.1 | 32.7 | 37.6 | 53.8 |
| 1897 | 27.0 | 31.7 | 39.3 | 51.2 | 63.6 | 74.5 | 79.5 | 76.0 | 74.2 | 58.2 | 39.2 | 28.2 | 53.6 |
| 1898 | 27.7 | 35.0 | 40.0 | 53.0 | 60.0 | 73.0 | 77.8 | 79.6 | 66.8 | 50.2 | 36.0 | 26.8 | 52.2 |
| 1899 | 27.7 | 17.0 | 34.8 | 52.6 | 67.2 | 73.8 | 75.0 | 81.3 | 68.8 | 59.0 | 45.6 | 30.6 | 52.8 |
| 1900 | 33.8 | 27.3 | 41.6 | 53.6 | 64.5 | 74.9 | 79.0 | 82.4 | 69.3 | 60.9 | 40.4 | 33.6 | 55.1 |
| 1901 | 29.6 | 26.4 | 39.6 | 51.4 | 61.2 | 76.6 | 85.3 | 78.2 | 68.0 | 58.1 | 43.8 | 29.6 | 54.0 |
| 1902 | 28.4 | 28.9 | 44.4 | 55.2 | 67.4 | 70.0 | 75.9 | 78.6 | .... | .... | .... | 25.3 | .... |
| 1903 | 32.0 | 24.4 | 39.8 | 52.2 | 59.6 | 65.0 | 76.7 | 75.7 | 66.0 | 56.2 | 40.4 | 33.4 | 51.8 |
| 1904 | 27.9 | 31.4 | 45.0 | .... | .... | .... | .... | 73.4 | 69.2 | 59.6 | 46.7 | 31.8 ^d | .... |
| 1905 | 21.1 | .... | 49.0 | 51.0 | 61.2 | 73.4 | 72.8 | 78.4 | 71.6 | 52.4 | 45.6 | 33.2 | .... |
| 1906 | 35.6 | 35.2 | 31.2 | 56.5 | 63.1 | 70.6 | 72.5 | 75.6 | 68.2 | 52.3 | 41.2 | 37.4 | 53.3 |
| 1907 | 27.2 | 37.8 | 49.2 | 47.7 | 57.3 | 71.2 | 77.4 | 76.8 | 69.2 | 57.6 | 41.4 | 30.9 | 53.6 |
| 1908 | 35.4 | 35.4 | 46.0 | 55.2 | 62.5 | 71.2 | 75.2 | 76.0 | 70.4 | 53.8 | 42.8 | 35.0 | 54.9 |
| 1909 | 28.4 | 35.8 | 39.6 | 50.8 | 60.8 | 71.2 | 76.5 | 79.4 | 68.1 | 55.6 | 45.9 | 20.6 | 52.7 |
| 1910 | 29.0 | 30.2 | 55.4 | 57.1 | 58.9 | 71.6 | 78.6 | 75.4 | 69.5 | 59.4 | 43.6 | 34.4 | 55.3 |
| 1911 | 34.3 | 33.2 | 48.0 | 53.0 | 64.0 | 79.2 | 78.4 | 76.2 | 73.3 | 52.1 | 36.6 | 28.0 | 54.7 |
| 1912 | 19.9 | 32.2 | 28.6 | 52.2 | 64.4 | 67.3 | 78.6 | 76.0 | 65.5 | 56.8 | 45.0 | 35.4 | 51.8 |
| 1913 | 29.1 | 25.1 | 39.2 | 55.2 | 66.2 | 73.6 | 80.6 | 84.0 | 66.0 | 52.8 | 46.6 | 33.5 | 54.3 |
| 1914 | 39.0 | 29.2 | 41.6 | 54.8 | 62.3 | 76.5 | 78.3 | 76.4 | 70.6 | 57.4 | 47.6 | 22.2 | 54.7 |
| 1915 | 30.2 | 37.3 | 29.0 | 57.7 | 57.7 | 67.0 | 72.1 | 69.0 | 66.7 | 58.7 | 46.8 | 34.9 | 52.3 |
| 1916 | 23.8 | 34.6 | 48.7 | 49.8 | 62.6 | 68.5 | 80.2 | 78.6 | 67.1 | 56.6 | 42.0 | 26.8 | 53.3 |
| 1917 | 30.6 | 33.2 | 41.6 | 50.4 | 57.3 | 73.0 | 80.6 | 73.2 | 68.6 | 49.7 | 47.8 | 27.5 | 52.8 |
| 1918 | 20.8 | 37.0 | 48.8 | 47.4 | 65.8 | 77.6 | 77.4 | 80.8 | 63.5 | 59.8 | 41.0 | 35.2 | 54.6 |
| 1919 | 32.5 | 30.0 | 41.4 | 51.2 | 60.3 | 70.0 | 77.9 | 78.5 | 71.6 | 51.0 | 37.8 | 28.2 | 52.5 |
| 1920 | 33.0 | 34.8 | 43.8 | 46.8 | 59.9 | 70.4 | 77.2 | 71.5 | 68.8 | 60.3 | 39.3 | 34.4 | 53.4 |
| 1921 | 35.6 | 39.4 | 48.5 | 53.2 | 63.6 | 72.0 | 77.5 | 77.4 | 72.1 | 59.4 | 42.7 | 33.6 | 56.2 |
| 1922 | 27.6 | 31.8 | 41.6 | 53.0 | 62.6 | 73.8 | 76.8 | 81.6 | 73.8 | 59.4 | 44.8 | 33.8 | 55.0 |
| 1923 | 37.8 | 30.8 | 39.9 | 53.2 | 60.2 | 70.8 | 78.5 | 75.0 | 67.0 | 50.0 | 45.0 | 34.6 | 53.6 |
| 1924 | 26.4 | 35.8 | 32.7 | 53.6 | 57.2 | 72.6 | 75.4 | 78.6 | 65.1 | 59.4 | 45.8 | 23.2 | 52.2 |
| 1925 | 25.8 | 39.9 | 47.8 | 58.2 | 62.5 | 77.6 | 80.8 | 75.0 | 71.5 | 46.6 | 42.4 | 34.0 | 55.2 |
| 1926 | 34.4 | 41.0 | 40.4 | 49.3 | 64.8 | 71.8 | 79.2 | 79.8 | 68.6 | 59.6 | 39.7 | 30.9 | 55.0 |
| 1927 | 32.9 | 37.2 | 41.2 | 56.0 | 64.8 | 68.8 | 76.3 | 71.2 | 69.6 | 60.2 | 43.1 | 25.2 | 53.7 |
| 1928 | 35.8 | 34.6 | 44.8 | 50.4 | 63.4 | 64.0 | 76.4 | 75.0 | 66.5 | 55.9 | 42.0 | 34.8 | 53.6 |
| 1929 | 24.0 | 23.8 | 45.6 | 54.4 | 60.4 | 71.3 | 79.2 | 79.6 | 64.4 | 54.8 | 34.4 | 35.4 | 52.3 |
| 1930 | 18.9 | 46.3 | 39.2 | 57.0 | 60.6 | 71.0 | 80.2 | 77.6 | 68.8 | 53.3 | 42.6 | 33.0 | 54.0 |
| 1931 | 36.0 | 40.9 | 36.7 | 51.1 | 58.7 | 76.7 | 77.6 | 74.0 | 75.6 | 60.2 | 42.1 | 35.8 | 55.4 |
| 1932 | 23.8 | 35.8 | 35.4 | 56.0 | 63.2 | 70.3 | 80.0 | 78.0 | 65.8 | 53.2 | 41.2 | 26.6 | 52.4 |
| 1933 | 37.7 | 30.0 | 45.5 | 53.8 | 61.0 | 79.2 | 80.4 | 74.8 | 72.6 | 56.0 | 46.4 | 38.8 | 56.4 |
| 1934 | 37.0 | 35.4 | 43.6 | 55.2 | 69.6 | 78.7 | 86.6 | 80.6 | 64.6 | 60.9 | 46.2 | 31.8 | 57.5 |
| 1935 | 35.0 | 38.6 | 49.2 | 50.3 | 56.3 | 68.8 | 83.6 | 80.0 | 68.1 | 53.3 | 37.5 ^a | 35.1 | 54.6 |
| 1936 | 27.8 | 21.0 | 46.9 | 52.2 | 65.8 | 76.6 | 84.6 | 82.5 | 70.7 | 53.9 | 43.0 | 36.0 | 55.1 |
| 1937 | 18.0 | 32.4 | 36.5 | 52.4 | 66.0 | 73.0 | 82.3 | 84.4 | 71.4 | 57.0 | 41.8 | 31.8 | 54.1 |
| 1938 | 34.9 | 35.4 | 49.1 | 52.4 | 61.1 | 72.6 | 80.6 | 83.0 | 72.2 | 64.0 | 41.6 | 36.2 | 57.0 |
| 1939 | 37.7 | 28.5 | 43.1 | 53.4 | 68.4 | 74.6 | 83.4 | 77.2 | 74.4 | 59.6 | 44.8 | 39.4 | 57.0 |
| 1940 | 14.4 | 33.2 | 44.0 | 53.5 | 63.3 | 74.0 | 82.2 | 75.4 | 70.1 | 63.0 | 39.0 | 36.2 | 54.0 |
| 1941 | 32.8 | 33.8 | 39.8 | 53.3 | 66.7 | 70.4 | 77.8 | 78.0 | 70.6 | 57.0 | 46.0 | 36.0 | 55.2 |
| 1942 | 28.4 | 31.3 | 43.6 | 56.0 | 61.8 | 71.4 | 80.8 | 76.1 | 65.2 | 57.4 | 43.3 | 32.8 | 54.0 |
| 1943 | 32.9 | 42.0 | 39.0 | 57.9 | 59.3 | 73.9 | 81.9 | 82.8 | 66.8 | 54.6 | 42.2 | 31.2 | 55.4 |
| 1944 | 34.0 ^b | .... | 35.8 | 47.6 | 64.8 | 73.4 | 76.7 ^a | 77.0 | 68.2 | 58.0 | 43.7 | 31.4 | .... |
| 1945 | 35.3 | 35.7 | 49.8 | 50.7 | 62.0 | 65.3 | 77.6 | 79.2 | 68.7 | 57.6 | 45.6 | 27.7 | 54.4 |
| 1946 | 35.8 | 42.4 | 50.9 | 61.2 ^a | 59.4 | 76.2 | 80.9 | 77.2 | 68.6 | 55.8 | 41.3 | 38.6 | 57.4 |
| Normal | 29.8 | 32.9 | 42.3 | 53.0 | 62.4 | 72.4 | 78.7 | 77.6 | 69.0 | 56.4 | 42.6 | 32.1 | 54.1 |

MONTHLY AND ANNUAL MEAN TEMPERATURES

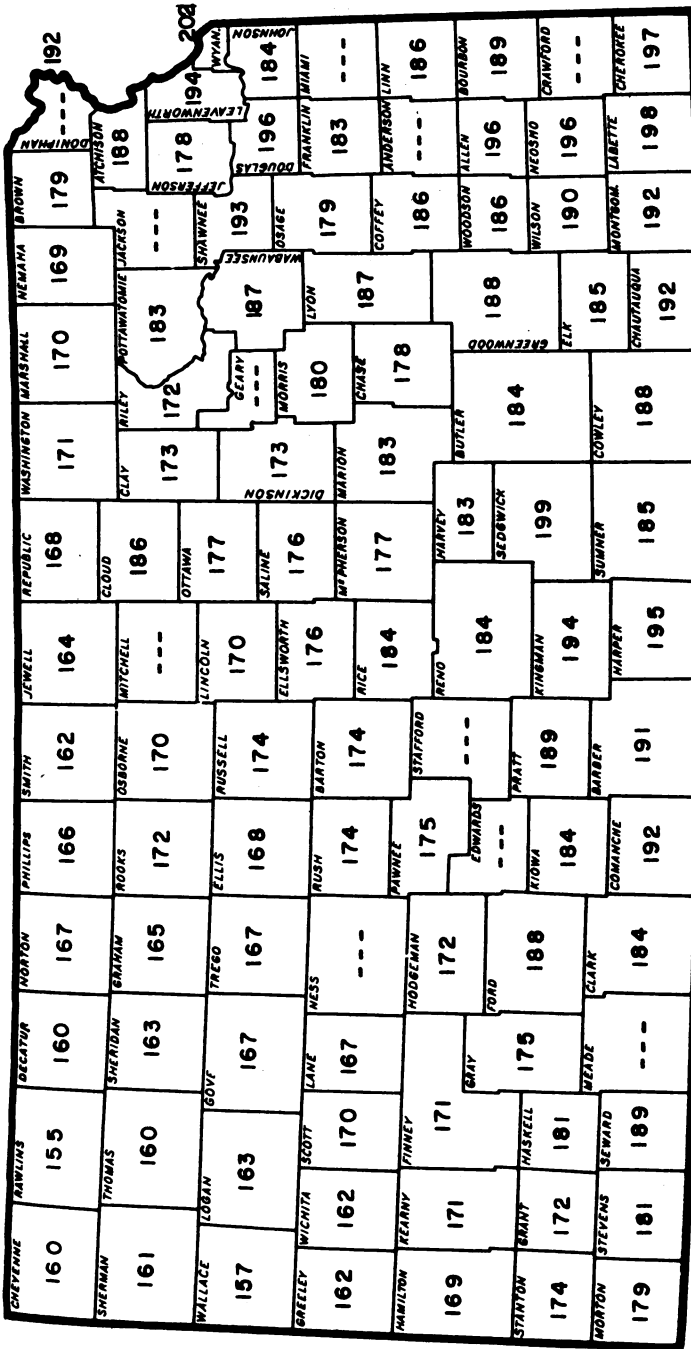
WESTERN DIVISION

WALLACE, WALLACE COUNTY

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|
| 1891 | .... | 27.8 | 34.9 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1892 | .... | .... | 35.0 | 50.3 | 55.6 | 69.0 | 77.4 | 78.4 | 68.4 | 52.1 | 41.3 | 27.4 | .... |
| 1893 | 34.9 | 31.8 | 42.3 | 55.0 | 65.4 | 81.3 | 84.0 | 76.0 | 76.3 | 51.4 | 39.7 | 44.1 | 56.8 |
| 1894 | 28.8 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| 1895 | .... | .... | .... | .... | .... | 72.4 | 76.4 | 78.5 | 72.9 | 54.8 | 37.7 | 28.8 | .... |
| 1896 | 34.1 | 37.8 | 40.2 | 54.1 | 68.1 | 72.0 | 75.8 | 78.5 | 65.6 | 52.7 | 33.6 | 36.2 | 54.1 |
| 1897 | 27.0 | 33.8 | 40.0 | 51.1 | 65.9 | 74.6 | 80.0 | 75.4 | 72.2 | 54.6 | 36.0 | 27.5 | 53.2 |
| 1898 | 28.1 | 33.4 | 36.2 | .... | 58.0 | .... | .... | .... | .... | .... | .... | .... | .... |
| | | | | | | | | | | | | | |
| 1902 | 29.9 | 32.5 | .... | 54.0 | 66.5 | 72.4 | .... | .... | 63.5 | 55.2 | .... | .... | .... |
| 1903 | 34.0 | 22.9 | 36.7 | .... | 58.6 | 63.6 | 75.6 | 74.6 | 64.6 | 54.4 | 41.4 | 34.0 | .... |
| 1904 | 27.9 | 34.3 | 44.8 | 50.9 | 60.3 | 66.0 | 73.2 | 73.1 | 66.8 | 56.7 | 41.6 | 33.2 | 52.4 |
| 1905 | 26.0 | 21.3 | 46.2 | 48.0 | 57.8 | 71.2 | 70.8 | 77.0 | 69.2 | 49.0 | 43.2 | 30.8 | 50.9 |
| 1906 | 33.9 | 34.1 | 29.4 | 53.0 | 60.6 | 68.4 | 69.9 | 74.4 | 66.0 | 51.1 | 40.4 | 37.0 | 51.5 |
| 1907 | 29.0 | 36.9 | 48.2 | 47.4 | 55.5 | 69.9 | 77.2 | 75.0 | 67.4 | 56.0 | 39.3 | 31.2 | 52.8 |
| 1908 | 33.6 | 35.4 | 43.2 | 52.8 | 60.2 | 71.6 | 74.1 | 75.8 | 70.4 | 53.2 | 40.2 | 28.9 | 53.3 |
| 1909 | 28.2 | 34.0 | 38.4 | 49.4 | 58.6 | 69.6 | 76.2 | 78.0 | 67.0 | 54.2 | 42.0 | 19.9 | 51.3 |
| 1910 | 29.3 | 31.3 | 51.9 | 53.2 | 58.6 | 72.6 | 78.5 | 73.0 | 68.6 | 58.2 | 43.9 | 34.2 | 54.4 |
| 1911 | 34.8 | 31.7 | 46.8 | 51.7 | 64.3 | 77.7 | 76.9 | 75.5 | 72.0 | 50.2 | 36.8 | 24.8 | 53.6 |
| 1912 | 18.1 | 31.3 | 28.4 | 49.4 | 63.5 | 67.4 | 75.8 | 72.0 | .... | .... | .... | .... | .... |
| 1913 | 30.0 | 25.2 | 39.2 | 55.0 | 64.6 | 71.0 | 80.1 | 81.5 | 64.1 | 50.8 | 44.6 | 27.4 | 52.8 |
| 1914 | 36.6 | 30.4 | 40.8 | 52.5 | 62.0 | 75.0 | 76.8 | 76.0 | 71.3 | 57.2 | 45.3 | 23.9 | 54.0 |
| 1915 | 27.8 | 36.6 | 29.0 | 55.4 | 55.6 | 65.4 | 71.2 | 68.2 | 65.2 | 55.2 | 43.0 | 30.0 | 50.2 |
| 1916 | 21.8 | 34.6 | .... | 48.4 | 61.0 | 69.0 | 82.0 ^d | 75.1 ^d | .... | .... | .... | 23.0 | .... |
| 1917 | 27.4 | 32.8 ^a | 35.8 ^c | 46.6 | 53.0 | .... | 75.4 | .... | .... | 50.2 ^a | .... | 27.8 ^h | .... |
| 1918 | .... | .... | .... | .... | .... | 77.2 ^k | 75.2 | 77.0 | 61.6 | 57.8 | 38.8 | 29.7 | .... |
| 1919 | 24.0 | 26.6 | 41.6 | 50.1 | 59.2 | 68.4 | 75.6 | 75.7 ^d | 70.2 | 48.5 | 35.4 | 28.5 | 50.3 |
| 1920 | 33.0 | 35.4 ^e | 41.9 ^c | 46.2 | 60.8 ^a | 71.2 | 76.0 | 71.6 ^b | 67.0 ^a | 57.0 ^d | 39.4 ^d | .... | .... |
| 1921 | .... | 42.4 | .... | 51.9 ^l | 63.3 ^d | 70.6 ^f | .... | .... | 68.4 | 56.7 | 42.4 ^a | 30.9 | .... |
| 1922 | 25.6 ^c | 33.0 ^b | 38.0 ^l | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |

No temperature record maintained subsequent to March, 1922.

Normal

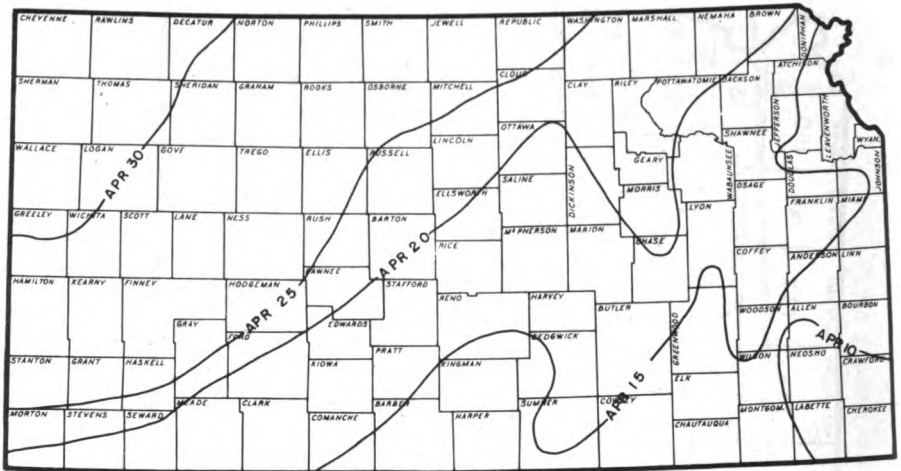


AVERAGE LENGTH OF GROWING SEASON -- DAYS

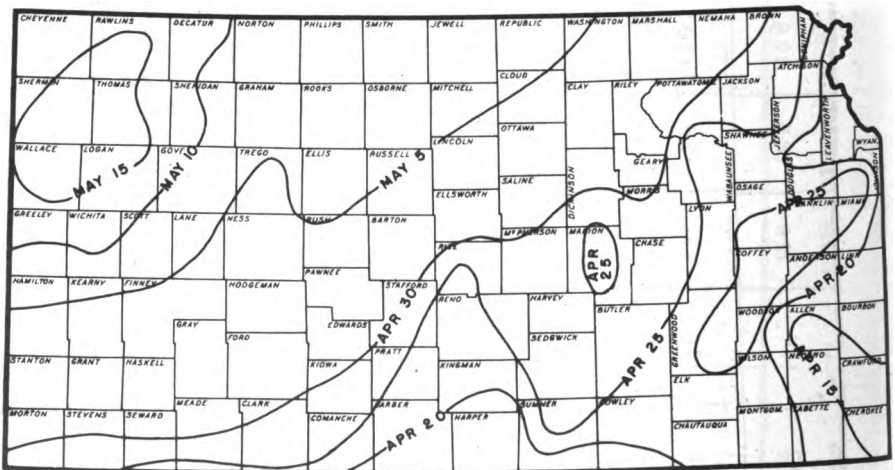
(Based on records from beginning of station through 1945)

| | | | | | | | | | | | | | |
|-------------------------------------|------------------------------------|----------------------------------|-----------------------------|----------------------------------|----------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------------|------------------------------------|-------------------------------|-------------------------------|----------------------------|
| Cheyenne SEPT 21 1913 1934 | Rawlins SEPT 12 1902 | Decatur SEPT 10 1898 | Merton SEPT 16 1903 | Phillips SEPT 9 1896 | Smith SEPT 12 1902 | Jewell SEPT 16 1903 | Republic SEPT 20 1918 | Washington SEPT 20 1918 | Marshall SEPT 20 1918 1938 | Wenatch SEPT 20 1918 1938 | Brown SEPT 17 1901 | Atchison SEPT 18 1901 | LeFlore SEPT 26 1912 |
| Sherman SEPT 20 1912 | Thomas SEPT 7 1898 | Sheridan SEPT 12 1902 | Graham SEPT 20 1918 | Rooks SEPT 20 1918 | Osborne SEPT 17 1903 | Mitchell --- | Cloud SEPT 27 1889 | Clay SEPT 20 1918 | Pottawatomie SEPT 20 1918-36 | Jackson --- | Jefferson SEPT 13 1902 | LeFlore SEPT 26 1912 | |
| Wallace SEPT 12 1902 | Logan SEPT 25 1912 1926 | Gove SEPT 16 1903 | Trego SEPT 12 1902 | Ellis SEPT 17 1901 1903 | Russell SEPT 20 1918 | Lincoln SEPT 20 1918 | Olatwa SEPT 18 1901 | Dickinson SEPT 20 1918 | Shawnee SEPT 27 1942 | Shawnee SEPT 27 1942 | Shawnee SEPT 13 1902 | Shawnee SEPT 27 1942 | |
| Greely SEPT 20 1895 | Wichita SEPT 17 1912 1928 | Scott SEPT 25 1912 1928 | Wes --- | Beahm SEPT 17 1903 | Barton SEPT 17 1901 | Ellsworth SEPT 20 1918 | Saline SEPT 13 1890 | Morris SEPT 20 1918 | Wagoner SEPT 20 1918 | Wagoner SEPT 20 1918 | Franklin SEPT 13 1902 | Franklin SEPT 13 1902 | |
| Hamilton SEPT 20 1901 | Kearny SEPT 17 1903 | Finney SEPT 17 1903 | Hodgeman SEPT 17 1901 | Beahm SEPT 17 1903 | Stafford --- | Rice SEPT 20 1918 | McPherson SEPT 20 1918 | Chase SEPT 20 1918 | Wagoner SEPT 20 1918 | Wagoner SEPT 20 1918 | Anderson SEPT 13 1902 | Anderson SEPT 13 1902 | |
| Stanton SEPT 26 1942 | Grant SEPT 16 1903 | Haskell SEPT 25 1912 | Ford SEPT 23 1895 | Lawrence SEPT 20 1918 | Pratt SEPT 20 1918 | Kingman SEPT 20 1918 | Harvey SEPT 26 1912 | Butler SEPT 26 1912 | Woodson SEPT 26 1912 | Woodson SEPT 26 1912 | Woodson SEPT 26 1912 | Woodson SEPT 26 1912 | |
| Morton SEPT 23 1895 | Stevens --- | Seward OCT 4 1813 | Clark SEPT 26 1912 | Comanche OCT 9 1925 | Barber SEPT 26 1912 | Harper SEPT 26 1912 | Sumner SEPT 26 1912 | Cowley SEPT 26 1912 | Montgomery SEPT 26 1912 | Montgomery SEPT 26 1912 | Montgomery SEPT 26 1912 | Montgomery SEPT 26 1912 | |
| | | | | | | | | | | | | | |

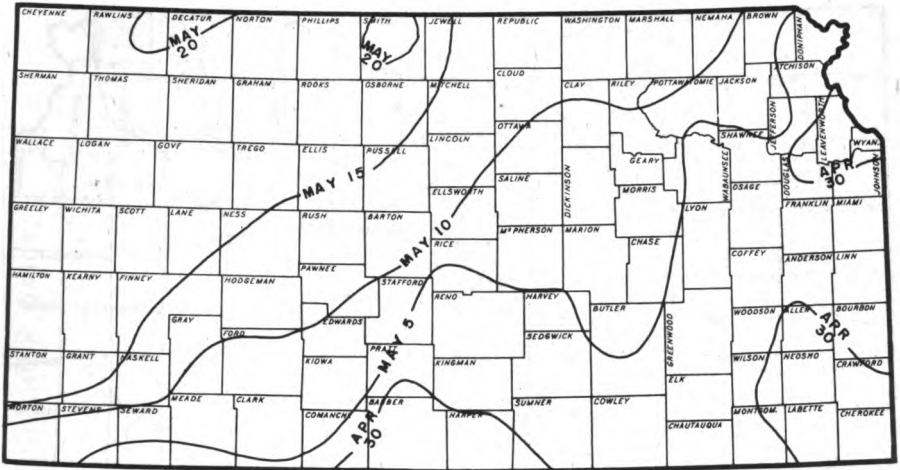
EARLIEST DATE IN FALL OF KILLING FROST AND YEAR OF OCCURRENCE



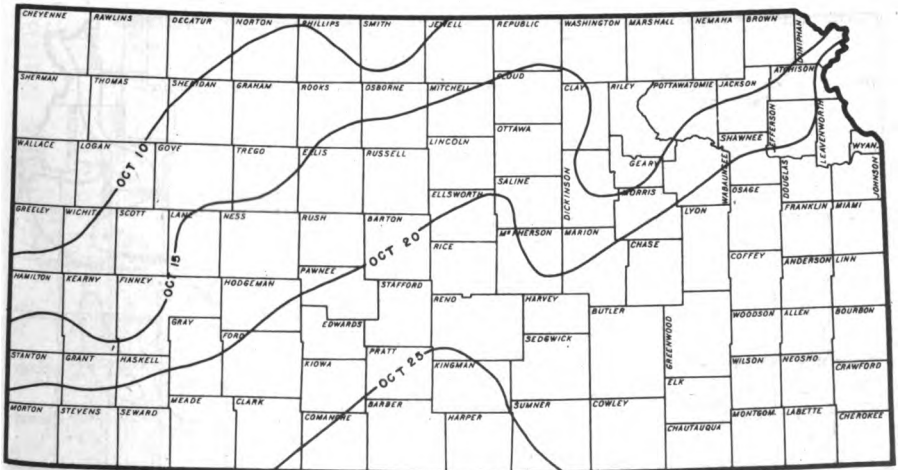
DATES IN SPRING AFTER WHICH A KILLING FROST IS LIKELY FIVE YEARS IN TEN
(Based on all available records through 1945)



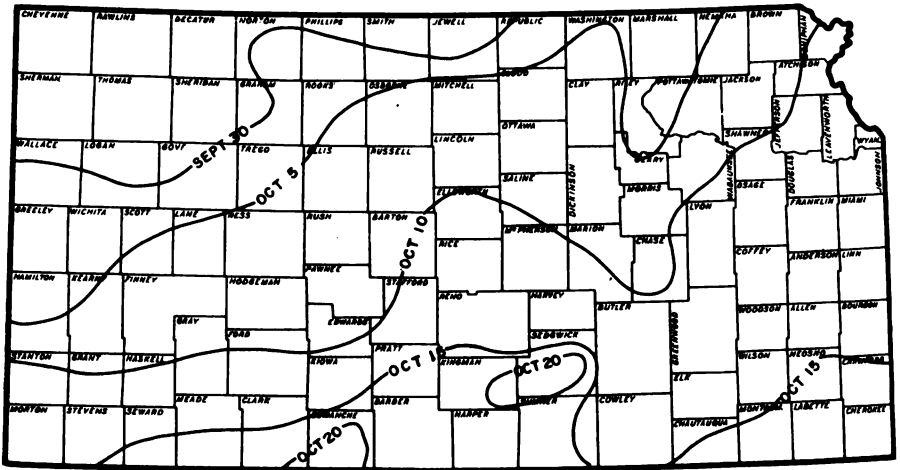
DATES IN SPRING AFTER WHICH A KILLING FROST IS LIKELY TWO YEARS IN TEN
(Based on all available records through 1945)



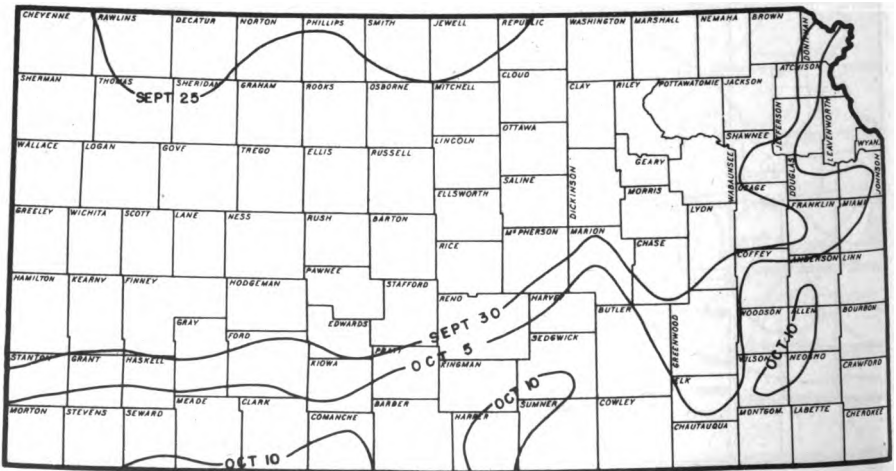
DATES IN SPRING AFTER WHICH A KILLING FROST IS LIKELY ONE YEAR IN TEN
(Based on all available records through 1945)



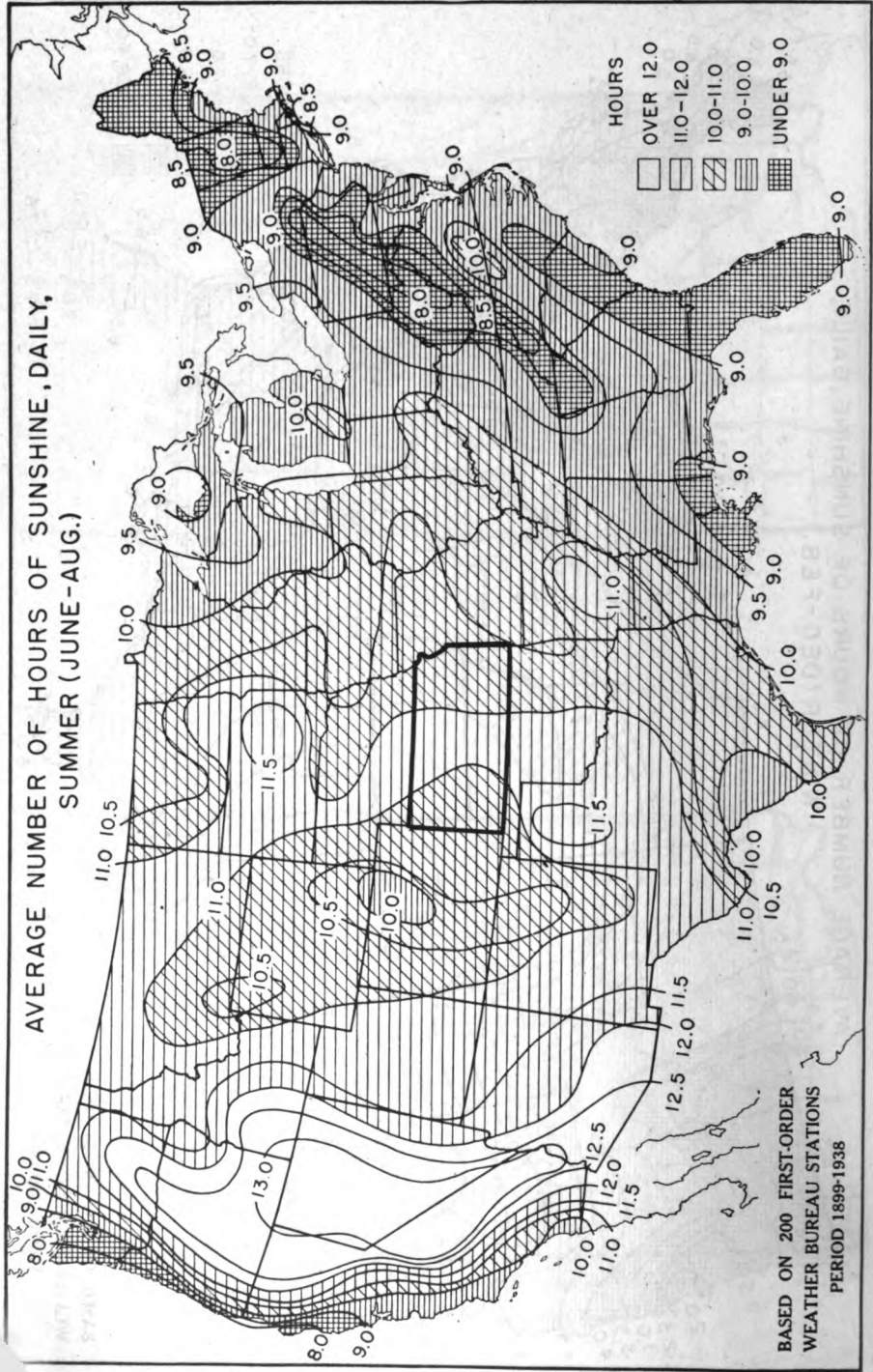
DATES IN FALL BEFORE WHICH A KILLING FROST IS LIKELY FIVE YEARS IN TEN
(Based on all available records through 1945)

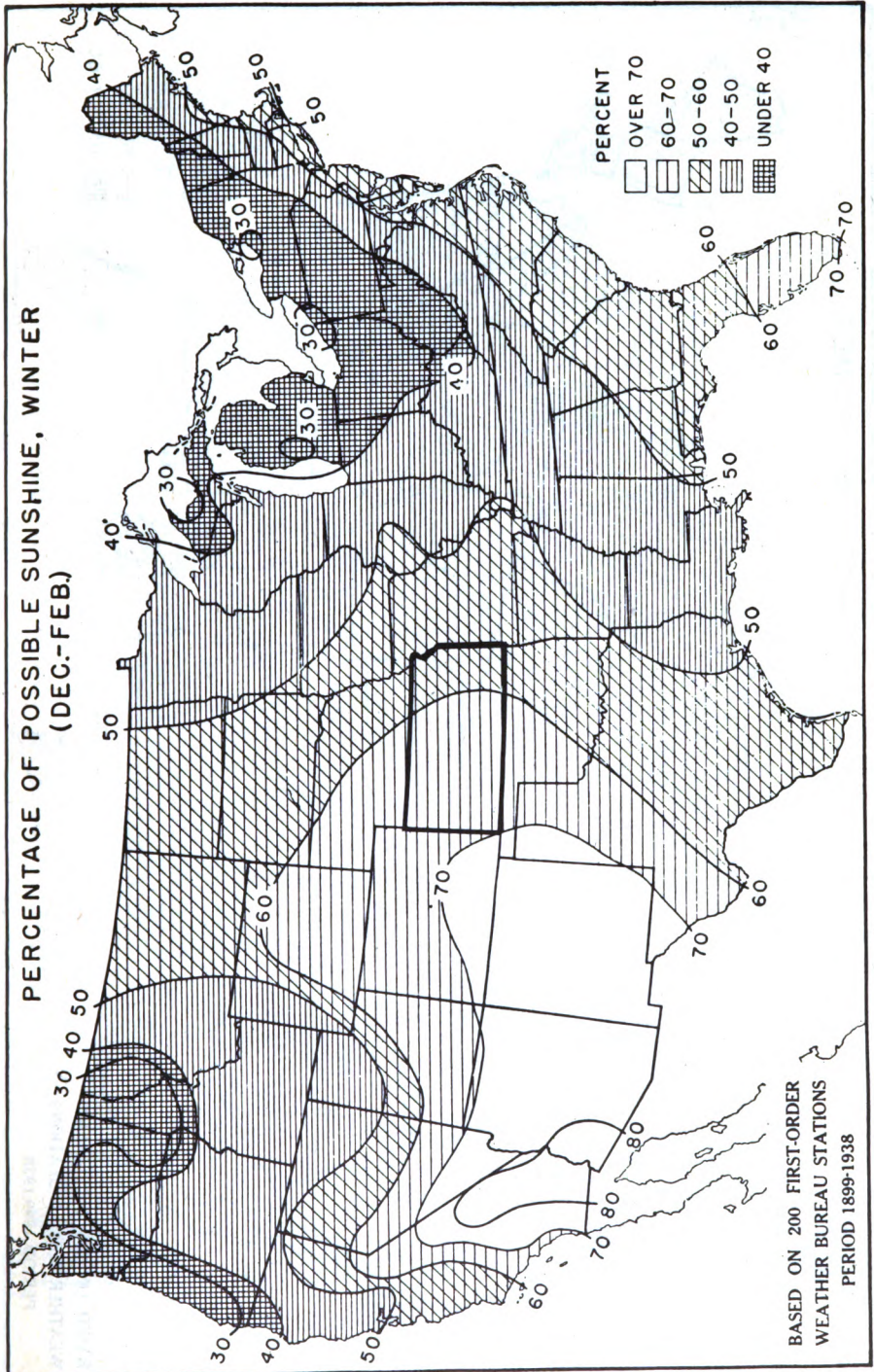


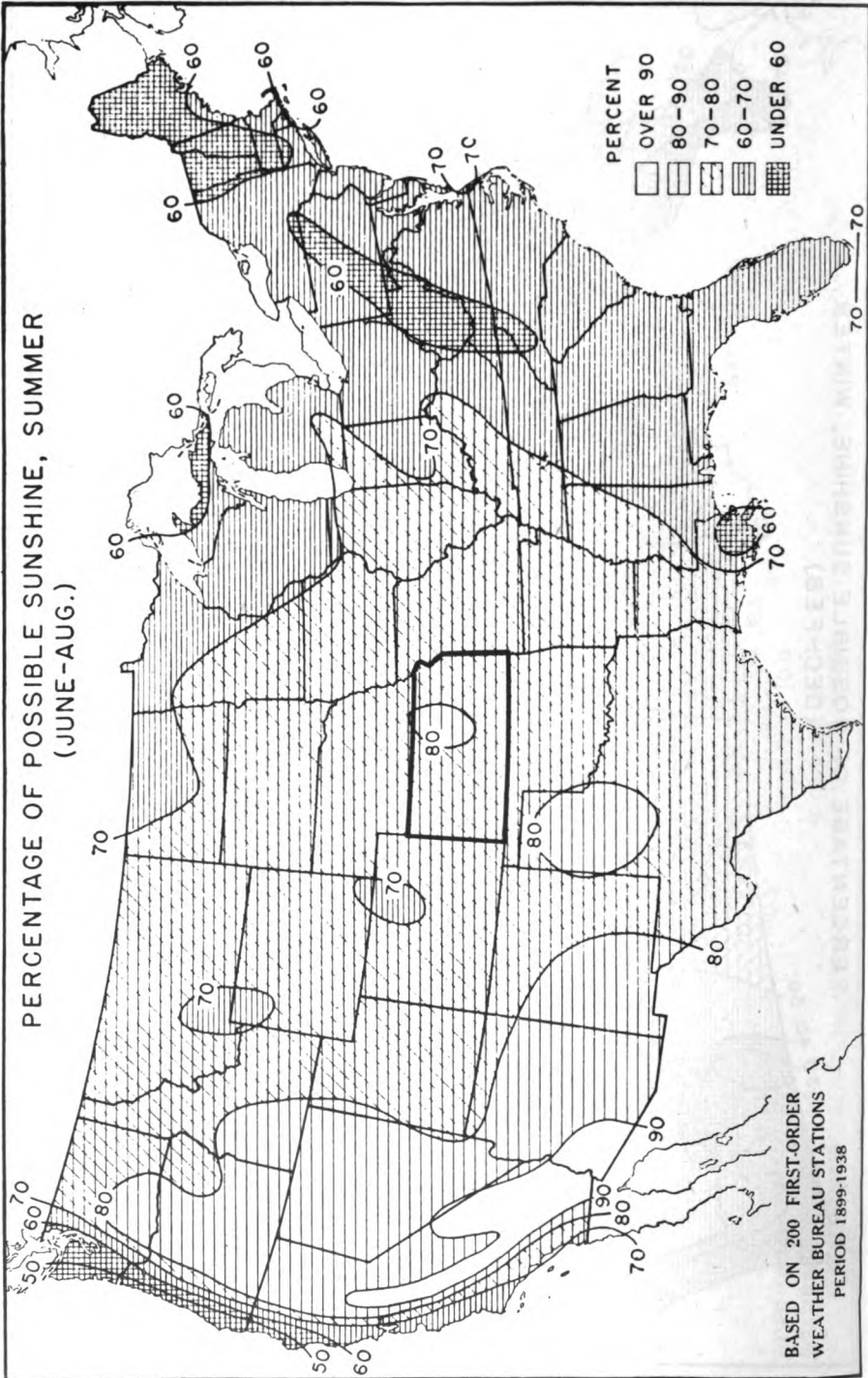
DATES IN FALL BEFORE WHICH A KILLING FROST IS LIKELY TWO YEARS IN TEN
 (Based on all available records through 1945)

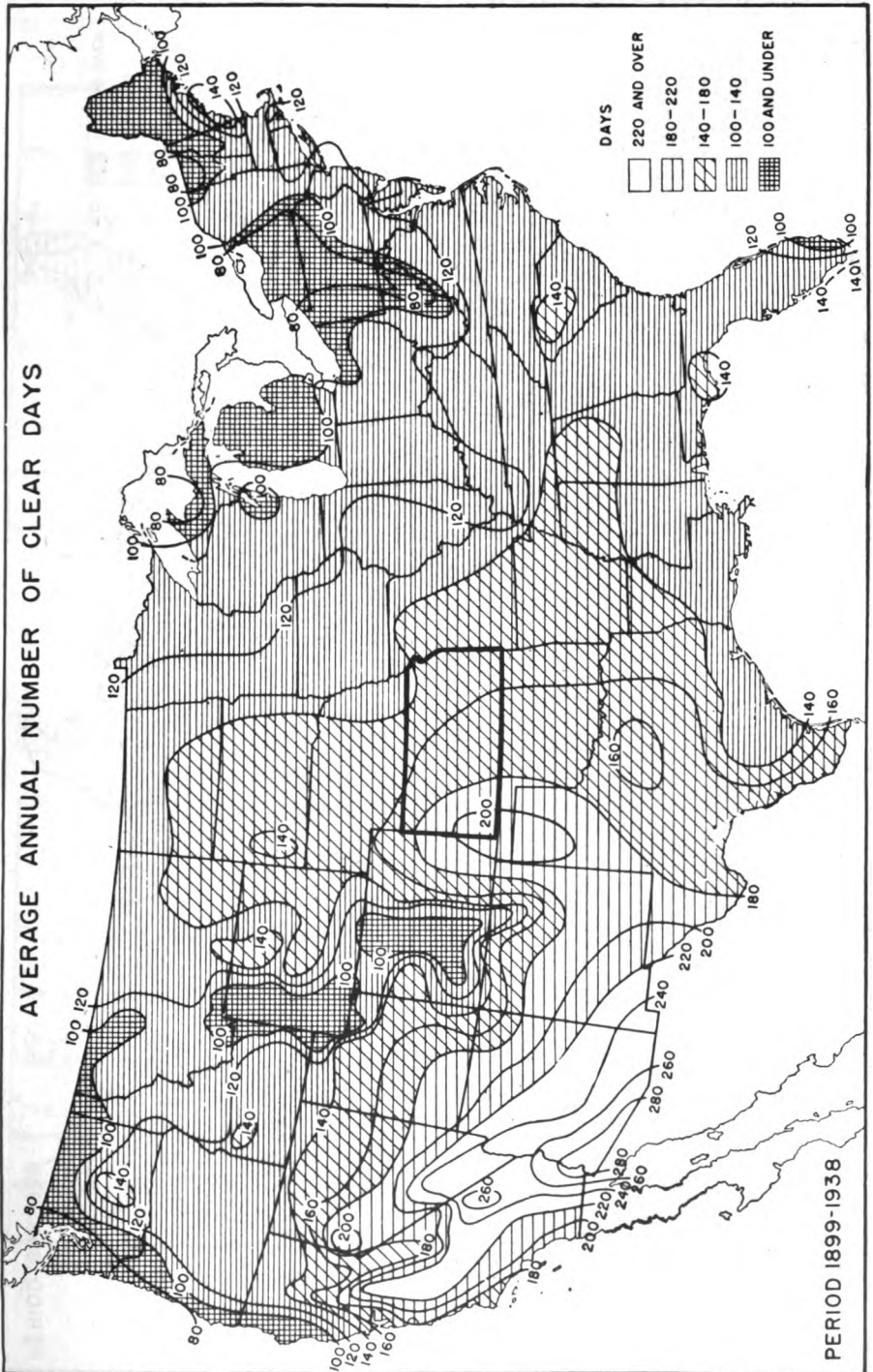


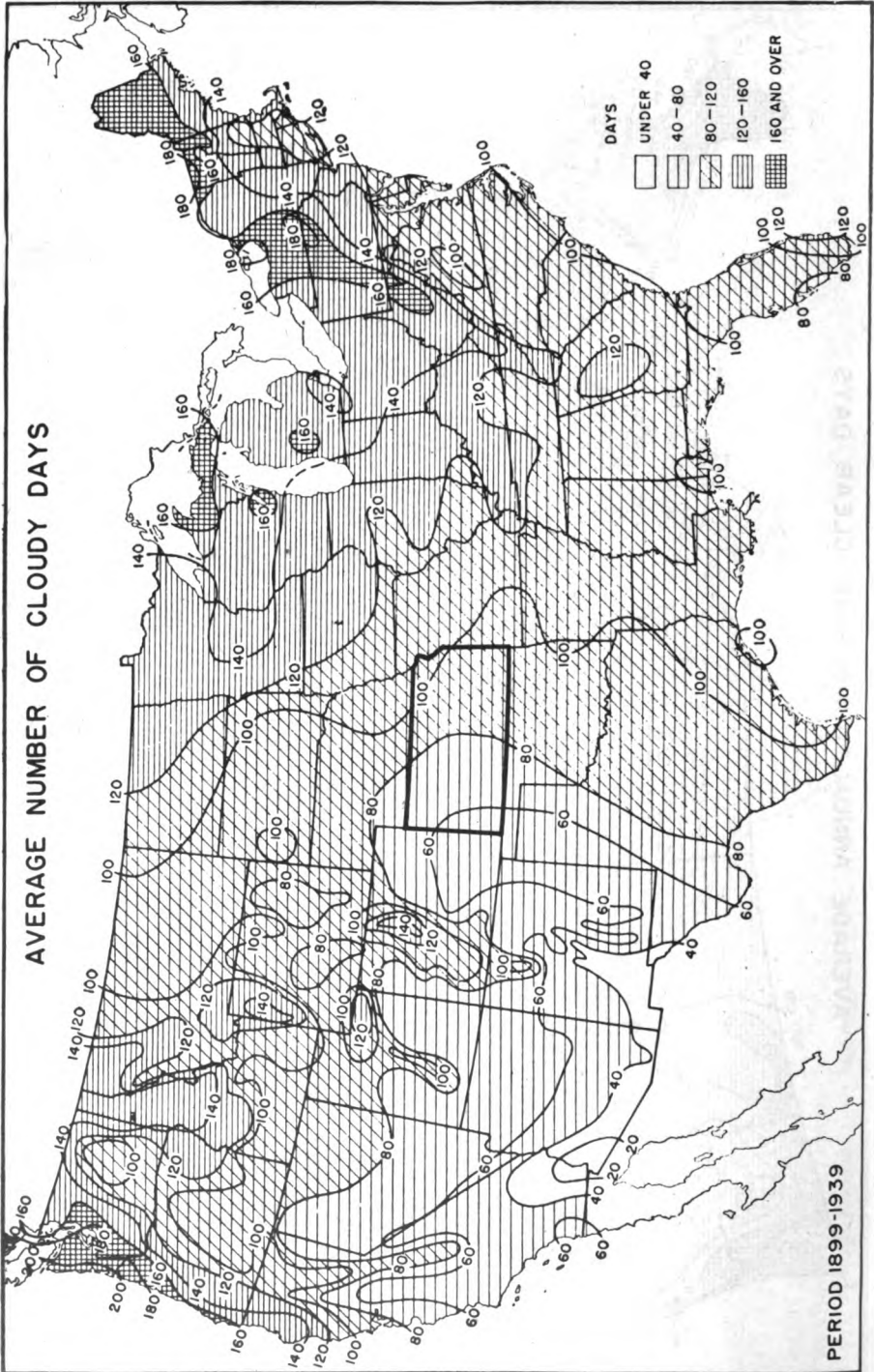
DATES IN FALL BEFORE WHICH A KILLING FROST IS LIKELY ONE YEAR IN TEN
 (Based on all available records through 1945)

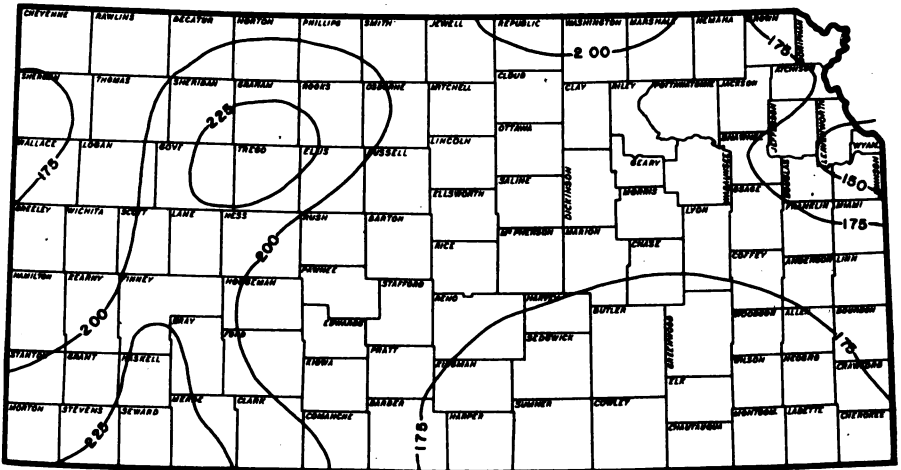






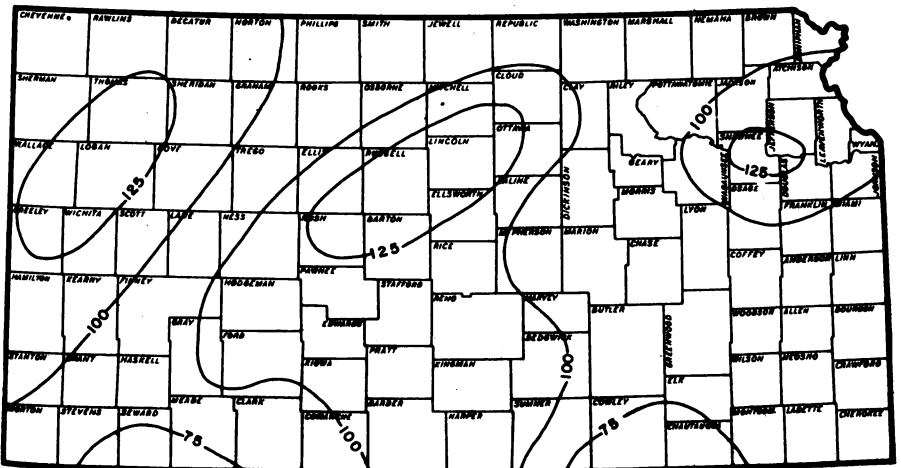






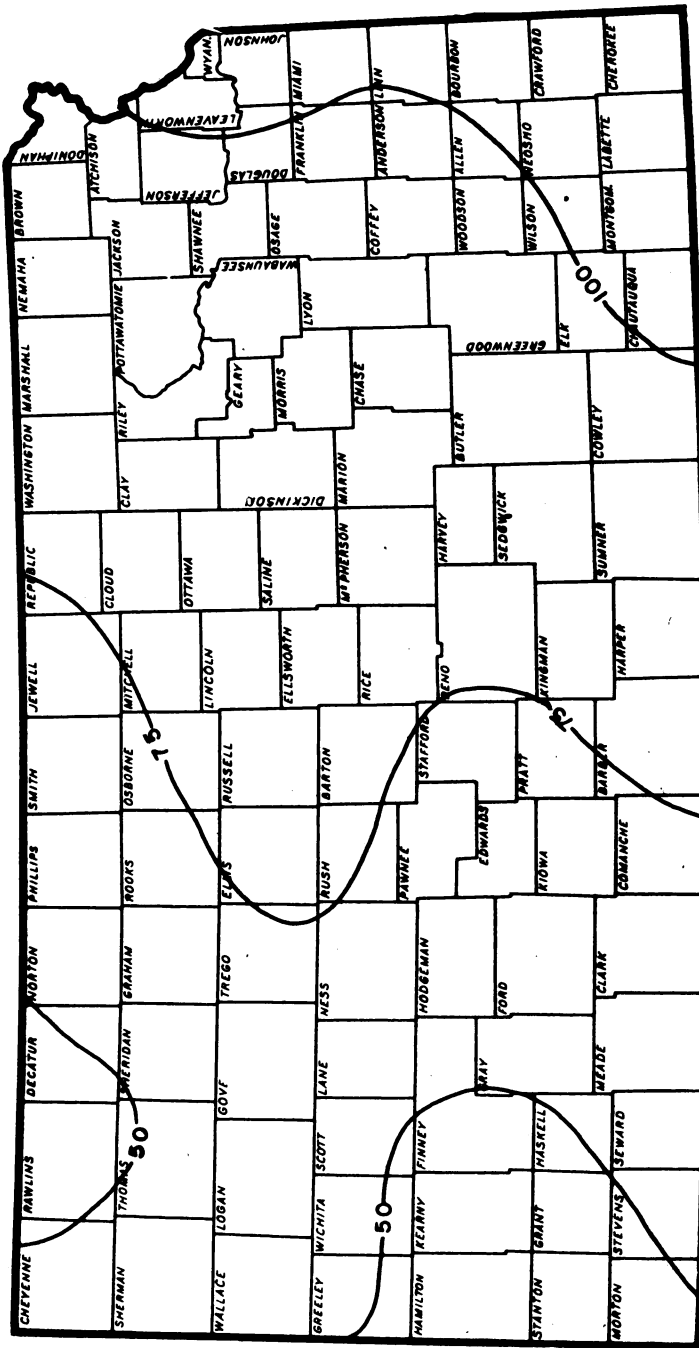
AVERAGE ANNUAL NUMBER OF CLEAR DAYS

(Based on 41 selected stations from beginning of records through 1945)



AVERAGE ANNUAL NUMBER OF PARTLY CLOUDY DAYS

(Based on 41 selected stations from beginning of records through 1945)



AVERAGE ANNUAL NUMBER OF CLOUDY DAYS

(Based on 41 selected stations from beginning of records through 1945)

AVERAGE NUMBER OF DAYS CLEAR, PARTLY CLOUDY, AND CLOUDY

CONCORDIA, KANSAS

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|-------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| Clear | 13 | 10 | 10 | 10 | 8 | 9 | 13 | 13 | 14 | 15 | 13 | 12 | 139 |
| Partly Cloudy ... | 9 | 9 | 11 | 11 | 14 | 15 | 14 | 14 | 10 | 9 | 9 | 9 | 135 |
| Cloudy | 9 | 9 | 10 | 9 | 9 | 6 | 4 | 4 | 6 | 7 | 8 | 10 | 91 |

DODGE CITY, KANSAS

| | | | | | | | | | | | | | |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| Clear | 14 | 13 | 13 | 13 | 11 | 14 | 16 | 17 | 17 | 18 | 16 | 15 | 177 |
| Partly Cloudy ... | 10 | 8 | 11 | 10 | 13 | 11 | 12 | 11 | 9 | 7 | 8 | 9 | 119 |
| Cloudy | 7 | 7 | 7 | 7 | 7 | 5 | 3 | 3 | 4 | 6 | 6 | 7 | 69 |

IOLA, KANSAS

| | | | | | | | | | | | | | |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| Clear | 11 | 11 | 11 | 10 | 10 | 12 | 15 | 14 | 13 | 14 | 13 | 10 | 144 |
| Partly Cloudy ... | 8 | 9 | 9 | 10 | 12 | 12 | 11 | 12 | 9 | 8 | 7 | 8 | 115 |
| Cloudy | 12 | 8 | 11 | 10 | 9 | 6 | 5 | 5 | 8 | 9 | 10 | 13 | 106 |

TOPEKA, KANSAS

| | | | | | | | | | | | | | |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| Clear | 11 | 10 | 10 | 10 | 10 | 11 | 15 | 14 | 14 | 16 | 13 | 11 | 145 |
| Partly Cloudy ... | 10 | 9 | 11 | 11 | 13 | 13 | 12 | 12 | 10 | 8 | 8 | 9 | 126 |
| Cloudy | 10 | 9 | 10 | 9 | 8 | 6 | 4 | 5 | 6 | 7 | 9 | 11 | 94 |

WICHITA, KANSAS

| | | | | | | | | | | | | | |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| Clear | 13 | 11 | 12 | 11 | 11 | 13 | 16 | 16 | 16 | 16 | 15 | 13 | 162 |
| Partly Cloudy ... | 8 | 8 | 10 | 10 | 11 | 12 | 11 | 11 | 8 | 8 | 7 | 8 | 113 |
| Cloudy | 10 | 9 | 9 | 9 | 9 | 5 | 4 | 4 | 6 | 7 | 8 | 10 | 90 |

KANSAS CITY, MISSOURI

| | | | | | | | | | | | | | |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| Clear | 12 | 10 | 11 | 10 | 10 | 11 | 15 | 15 | 14 | 16 | 13 | 11 | 148 |
| Partly Cloudy ... | 8 | 8 | 10 | 10 | 12 | 12 | 12 | 11 | 8 | 7 | 7 | 7 | 112 |
| Cloudy | 11 | 10 | 10 | 10 | 9 | 7 | 4 | 5 | 8 | 8 | 10 | 13 | 105 |

ST. JOSEPH, MISSOURI

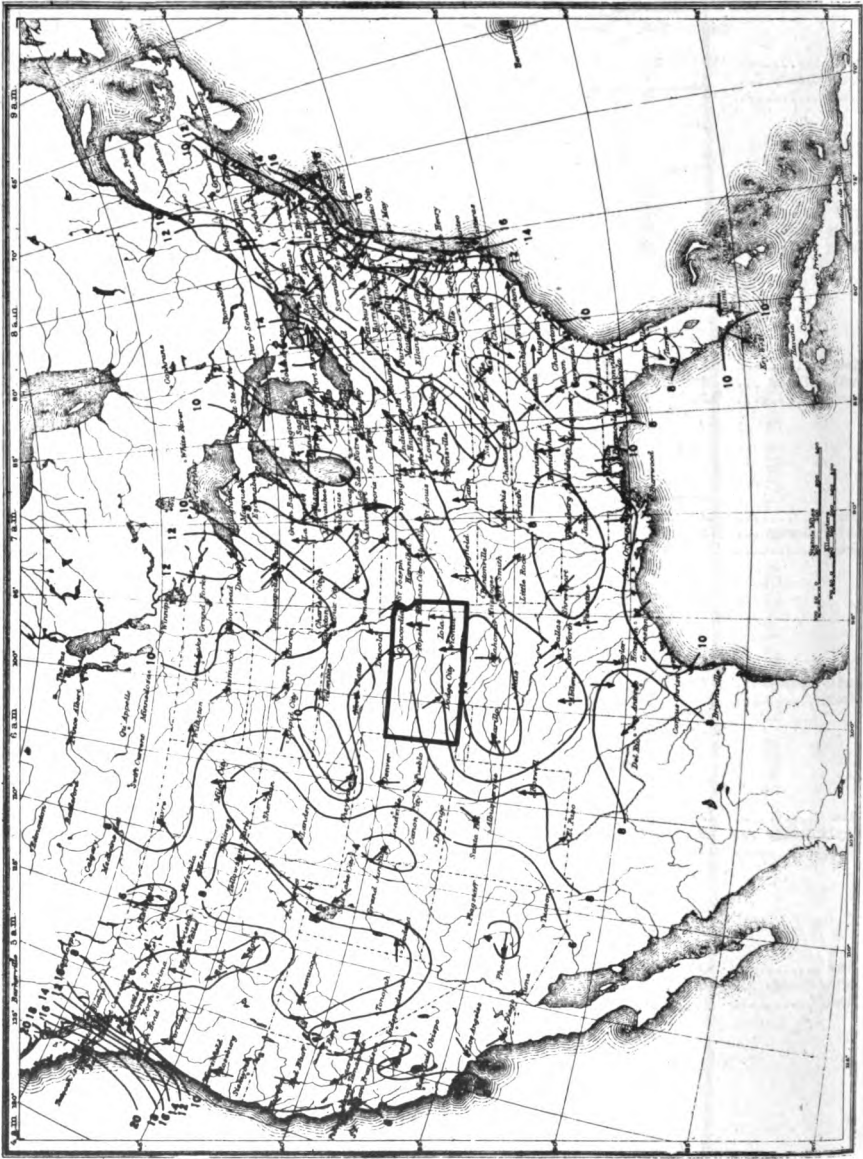
| | | | | | | | | | | | | | |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| Clear | 13 | 11 | 13 | 12 | 12 | 15 | 19 | 16 | 16 | 16 | 14 | 12 | 169 |
| Partly Cloudy ... | 8 | 7 | 8 | 8 | 11 | 9 | 9 | 10 | 7 | 7 | 7 | 7 | 98 |
| Cloudy | 10 | 10 | 10 | 10 | 8 | 6 | 3 | 5 | 7 | 8 | 9 | 12 | 98 |

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PERCENTAGE OF POSSIBLE SUNSHINE

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|-------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| Concordia | 60 | 62 | 65 | 65 | 68 | 75 | 82 | 77 | 73 | 69 | 64 | 57 | 66 |
| Dodge City | 67 | 65 | 67 | 68 | 68 | 73 | 78 | 78 | 76 | 75 | 71 | 68 | 72 |
| Iola | 54 | 58 | 60 | 60 | 63 | 68 | 75 | 71 | 67 | 62 | 60 | 52 | 62 |
| Topeka | 56 | 58 | 59 | 59 | 63 | 67 | 75 | 71 | 66 | 64 | 60 | 52 | 62 |
| Wichita | 61 | 64 | 65 | 65 | 67 | 73 | 82 | 78 | 72 | 68 | 65 | 57 | 68 |
| Kansas City, Mo.. | 56 | 58 | 61 | 60 | 64 | 70 | 77 | 74 | 69 | 67 | 59 | 52 | 64 |
| St. Joseph, Mo... | 54 | 56 | 58 | 58 | 65 | 71 | 79 | 71 | 66 | 65 | 58 | 50 | 63 |

Average Hourly Velocity and Prevailing Direction of the Wind, January.



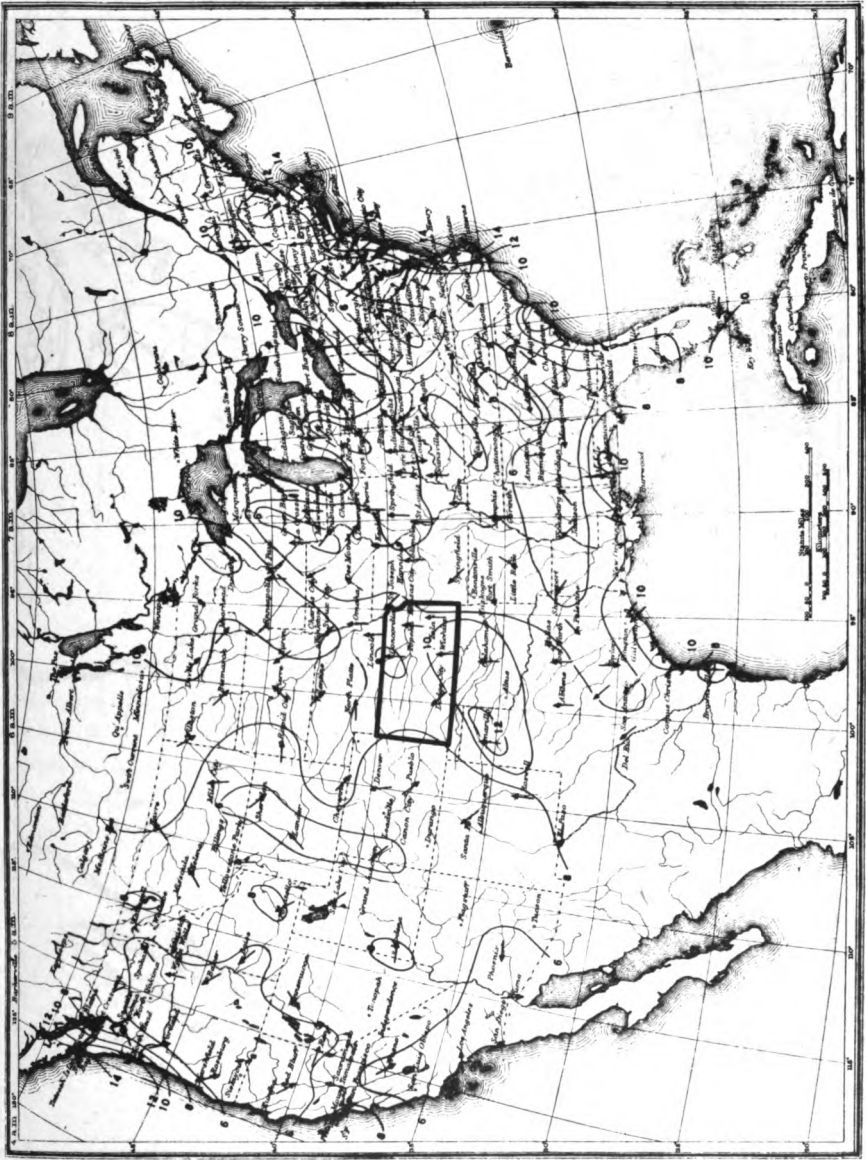
Average Monthly Velocity and Prevailing Direction of the Wind, April.



Average Monthly Velocity and Prevailing Direction of the Wind, July.



Average Monthly Velocity and Prevailing Direction of the Wind, October.



Average Hourly Velocity and Prevailing Direction of the Wind, Annual.



AVERAGE HOURLY WIND VELOCITY -- TRUE VELOCITIES
1932 - 1945

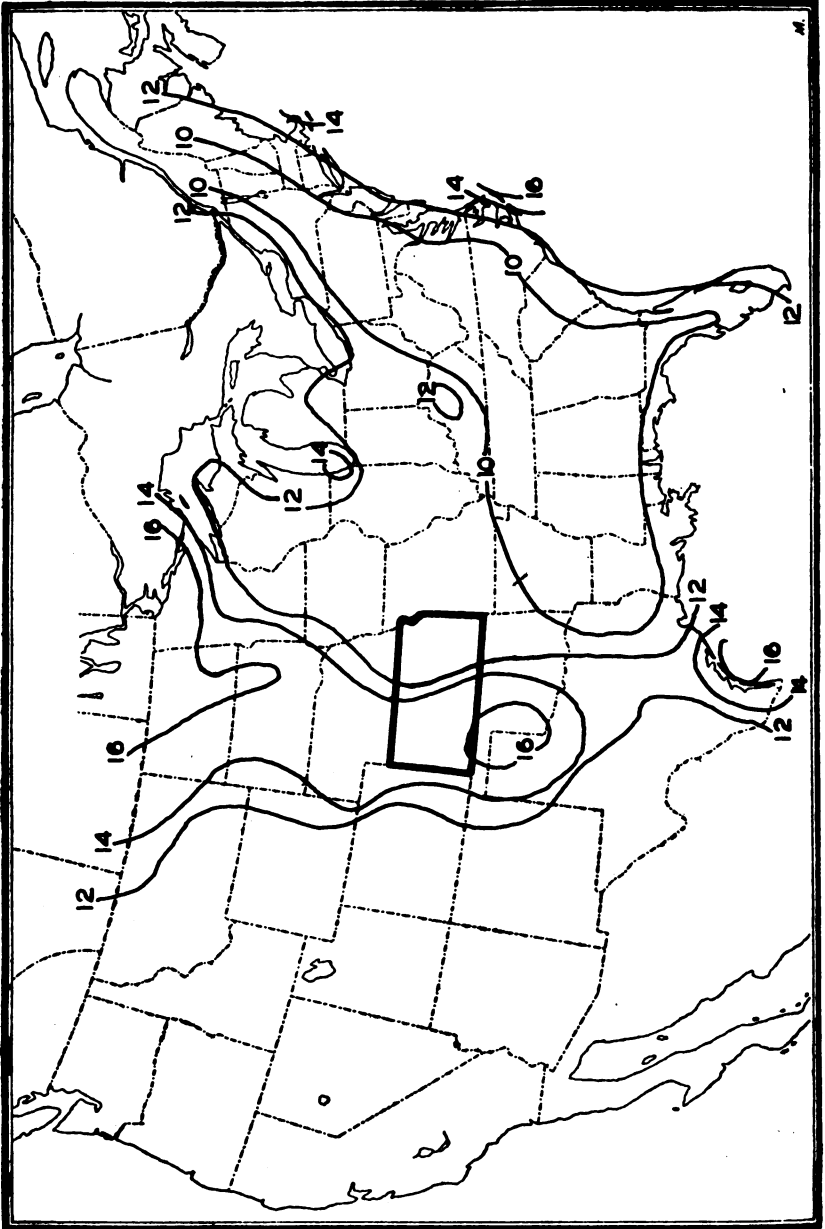
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| Concordia | 8.3 | 8.7 | 9.8 | 10.3 | 8.7 | 8.4 | 7.9 | 7.8 | 8.3 | 8.1 | 8.8 | 8.1 | 8.5 |
| Dodge City | 11.9 | 12.5 | 14.3 | 14.9 | 13.6 | 14.1 | 12.2 | 12.2 | 13.1 | 12.3 | 12.5 | 11.9 | 12.9 |
| Topeka | 9.1 | 9.6 | 10.8 | 10.8 | 9.3 | 9.0 | 8.3 | 8.3 | 8.6 | 8.6 | 9.5 | 8.8 | 9.2 |
| Wichita | 11.6 | 12.4 | 13.9 | 14.0 | 12.5 | 12.2 | 11.2 | 11.3 | 11.7 | 11.3 | 12.0 | 11.4 | 12.1 |
| Kansas City, Mo.... | 10.1 | 10.8 | 12.1 | 11.8 | 10.1 | 9.7 | 8.9 | 8.7 | 9.0 | 9.1 | 10.6 | 9.8 | 10.1 |
| St. Joseph, Mo.... | 9.0 | 9.4 | 10.5 | 10.5 | 8.5 | 8.0 | 7.4 | 7.4 | 7.7 | 7.9 | 9.2 | 8.6 | 8.7 |

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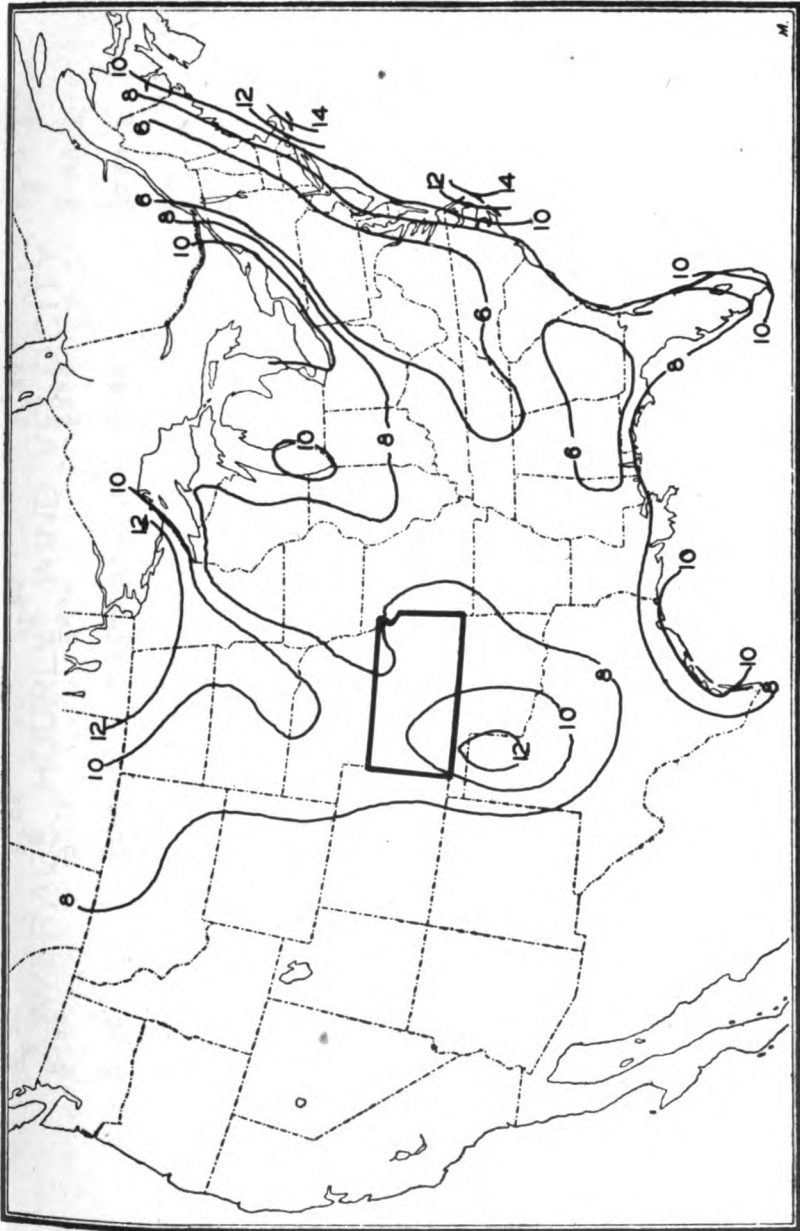
PREVAILING WIND DIRECTION
(Based on records through 1945)

| | Years of Record | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------------|-----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| Concordia | 61 | N | N | S | S | S | S | S | S | S | S | S | S | S |
| Dodge City | 70 | NW | NW | NW | SE | S | SE | S | S | S | S | S | NW | S |
| Topeka | 59 | NW | N | N | S | S | S | S | S | S | S | S | S | S |
| Wichita | 57 | S | N | S | S | S | S | S | S | S | S | S | S | S |
| Kansas City, Mo.... | 28 | SW | NW | NW | S | S | S | S | S | S | S | SW | SW | SW |
| St. Joseph, Mo.... | 38 | NW | NW | NW | NW | S | SE | SE | SE | SE | S | NW | NW | NW |

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Average hourly velocity of the wind at 3 p. m., local standard time, the approximate hour of greatest wind movement. Estimated for elevation of 100 feet.



Average hourly velocity of the wind at 6 a. m., local standard time, the approximate hour of least wind movement. Estimated for elevation of 100 feet.

MAXIMUM WIND VELOCITY, DIRECTION, AND DATE — TRUE VELOCITIES

(Based on records through 1945)

CONCORDIA

(59 Years of Record)

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|--------------------|------|------|------|------|------|------|------|------|-------|-------|------|------|---------|
| Miles per hour ... | 36 | 39 | 41 | 47 | 41 | 51 | 46 | 41 | 32 | 32 | 37 | 38 | 51 |
| Direction | NW | NW | NW | S | W | W | W | NE | SW | NW | NW | NW | W |
| Date | 28 | 15 | 9 | 1 | 28 | 30 | 16 | 5 | 18 | 18 | 25 | 4 | June 30 |
| Year | 1909 | 1937 | 1918 | 1892 | 1908 | 1945 | 1893 | 1912 | 1932 | 1931* | 1933 | 1885 | 1945 |

DODGE CITY

(71 Years of Record)

| | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|-------|------|------|------|------|------|---------|
| Miles per hour ... | 60 | 55 | 58 | 62 | 58 | 57 | 49 | 65 | 51 | 49 | 48 | 49 | 65 |
| Direction | N | N | N | NE | S | N | N | NW | NW | NE | NW | S | NW |
| Date | 15 | 10 | 3 | 9 | 2 | 30 | 8 | 29 | 22 | 3 | 7 | 28 | Aug. 29 |
| Year | 1877 | 1944 | 1877 | 1944 | 1903 | 1944 | 1877* | 1944 | 1944 | 1877 | 1943 | 1889 | 1944 |

TOPEKA

(44 Years of Record)

| | | | | | | | | | | | | | |
|--------------------|------|-------|------|-------|------|------|------|------|------|------|------|------|--------|
| Miles per hour ... | 46 | 39 | 46 | 43 | 37 | 47 | 44 | 44 | 37 | 35 | 42 | 35 | 47 |
| Direction | NW | NW | W | S | W | SW | W | SE | SW | SW | NW | S | SW |
| Date | 29 | 4 | 9 | 11 | 26 | 5 | 1 | 26 | 2 | 16 | 25 | 10 | June 5 |
| Year | 1909 | 1917* | 1918 | 1909* | 1921 | 1917 | 1906 | 1919 | 1912 | 1908 | 1930 | 1911 | 1917 |

WICHITA

(57 Years of Record)

| | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|---------|
| Miles per hour ... | 49 | 46 | 68 | 56 | 54 | 56 | 57 | 55 | 48 | 48 | 45 | 42 | 68 |
| Direction | NW | NW | NW | NE | SW | SE | NW | NW | S | SW | S | S | NW |
| Date | 29 | 14 | 15 | 22 | 26 | 13 | 27 | 13 | 11 | 7 | 15 | 4 | Mar. 15 |
| Year | 1909 | 1918 | 1919 | 1944 | 1921 | 1944 | 1944 | 1945 | 1943 | 1928 | 1942 | 1941 | 1919 |

KANSAS CITY, MISSOURI

(55 Years of Record)

| | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|---------|
| Miles per hour ... | 57 | 46 | 50 | 47 | 50 | 56 | 56 | 63 | 48 | 38 | 51 | 40 | 63 |
| Direction | NW | NE | SW | SW | SW | NW | NW | NW | NW | SW | N | NW | NW |
| Date | 29 | 18 | 28 | 8 | 27 | 30 | 27 | 25 | 2 | 30 | 21 | 7 | Aug. 25 |
| Year | 1909 | 1926 | 1940 | 1922 | 1941 | 1945 | 1936 | 1941 | 1912 | 1924 | 1917 | 1927 | 1941 |

S. T. JOSEPH, MISSOURI

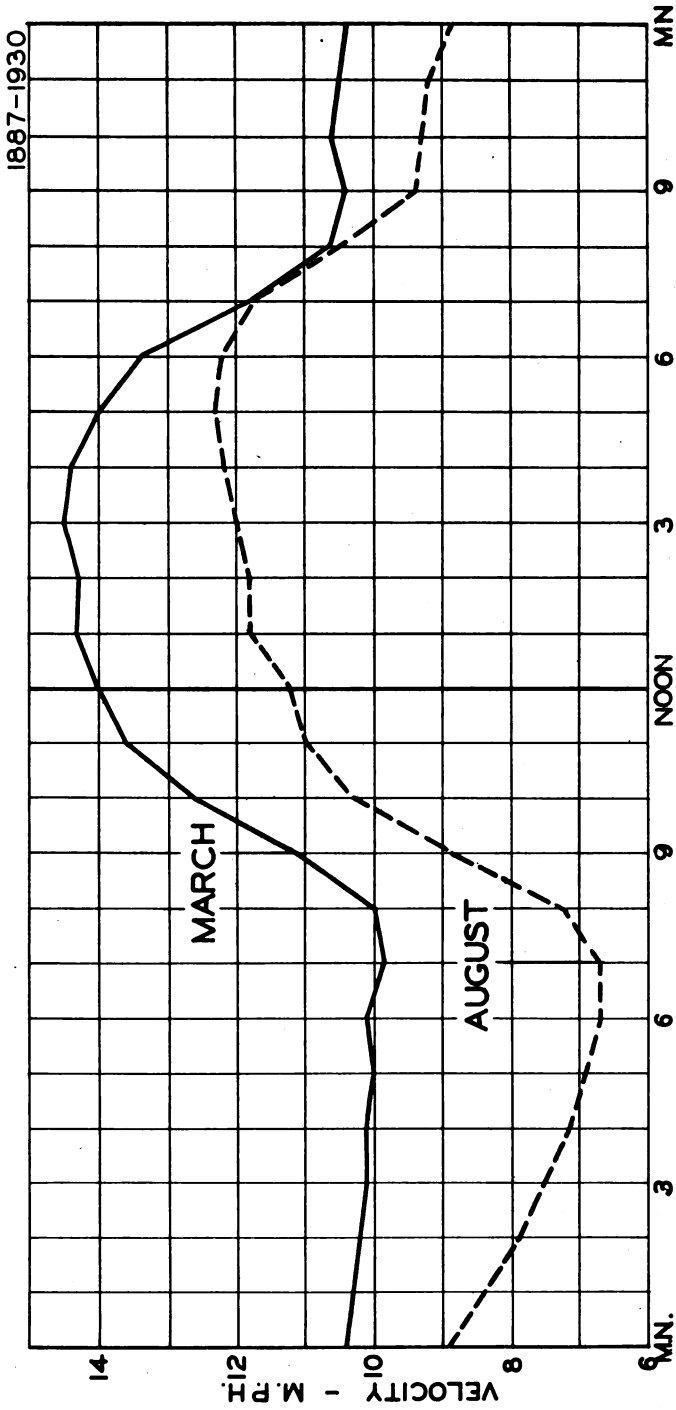
(36 Years of Record)

| | | | | | | | | | | | | | |
|--------------------|------|------|-------|------|-------|------|-------|------|------|------|------|-------|--------|
| Miles per hour ... | 37 | 38 | 44 | 47 | 43 | 45 | 38 | 51 | 35 | 35 | 44 | 34 | 51 |
| Direction | W | W | NW | NW | NW | NW | NW | NW | NW | W | NW | NW | NW |
| Date | 21 | 22 | 21 | 8 | 24 | 12 | 11 | 2 | 5 | 26 | 25* | 9 | Aug. 2 |
| Year | 1917 | 1922 | 1916* | 1922 | 1927* | 1924 | 1922* | 1935 | 1943 | 1931 | 1930 | 1917* | 1935 |

* Also on subsequent dates.

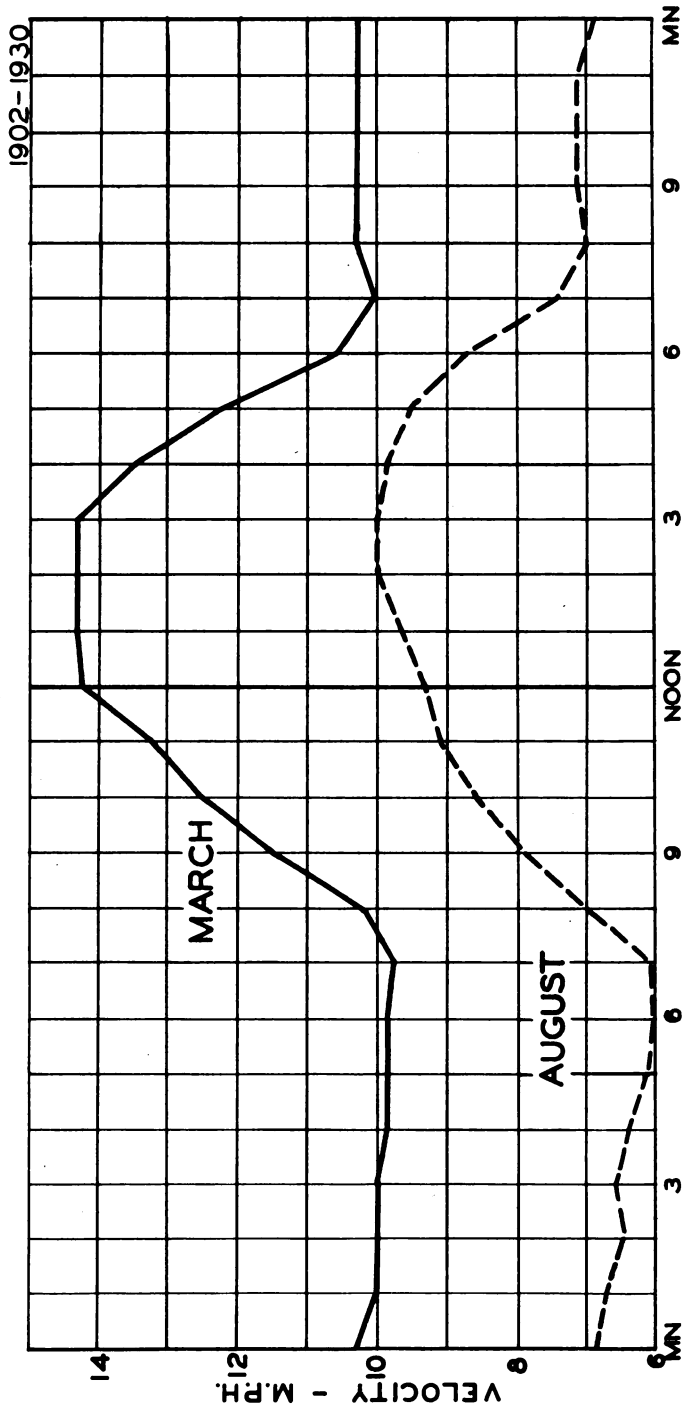
AVERAGE HOURLY WIND VELOCITY

DODGE CITY, KANSAS



AVERAGE HOURLY WIND VELOCITY

TOPEKA, KANSAS



WINTER STORMS OF HIGH WINDS, EXTREME COLD, AND BLOWING SNOW

Storms of this nature occur from time to time over practically all the northern part of the country east of the Rockies and, especially over the Great Plains, from eastern Montana and the Dakotas south into Texas. Those of special severity, accompanied by winds of 40 miles or more per hour, temperatures near zero, and driving snow that limits vision to a few yards, or even a few feet, are commonly called blizzards, though there is no precise definition of this term.

In the western part of Kansas, where wind velocities are often high during the advent of a cold wave and the snow is inclined to be dry and powdery, there have been numerous times in the early history of the State when travel has been difficult and, in some cases, hazardous. As late as the 1880's, when buildings were few and far between and fences were practically non-existent in the western counties, the chief danger was becoming lost in blinding snow. With the advent of motor equipment and fenced highways it is always possible that a vehicle may be stalled in drifted snow during such a storm and occupants have difficulty in reaching shelter on account of low visibility cutting out all view of the landscape. However, there have been few, if any, fatalities on this account in recent years and better handling of livestock has reduced its loss to a minimum.

General use of the telephone and radio has made it possible to distribute warnings of these storms well in advance and better, while fences and highways enable persons to reach shelter without too much difficulty.

These occurrences of high winds and blowing, drifting, snow during extremely cold weather ordinarily cause so little inconvenience and suffering they are seldom reported, except casually in local newspapers, and no compilation of them has ever been made.

Since 1880, records show but three outstanding occurrences of high winds, severe cold, and driving snow over the western two-thirds of the State that would ordinarily be classed as blizzards. These were in January 1886, February 1912, and March 1931. The eastern part of the State felt these only in modified form.

In January 1886

At the time of the great blizzard of January 7, 1886, housing in the western counties was poorly constructed and of a temporary nature, fences were few and far between, and there were no facilities for feeding and sheltering livestock.

January 1886 was one of the coldest months, if not the coldest, on record in the State, with heavy snowfall that seems to have covered the ground almost continually. This in itself would have caused much suffering and loss of livestock under conditions then existing. At Manhattan, it was the coldest month on a 90-year record, with 8.5 inches of snowfall. At Concordia, it was the coldest month on a 51-year record, with 16.6 inches of snowfall. At Dodge City, it was the third coldest month on a 72-year record, with 9.4 inches of snowfall.

A cold wave, with heavy snow that caused drifts ten feet deep, began on New Year's Eve and continued through January 1, which made it almost impossible to replenish the scanty supplies available. Lack of proper nourishment was already weakening livestock when the blizzard struck the northwestern part of the State on January 6 with no advance warning whatever. It spread rapidly to the southeast and east, reaching Ness City at about 2 a. m. and Wichita about 5 a. m. on the seventh.

In describing this storm, a section of "The Annals of Kansas," by the State Historical Society, not yet published, has this to say: "A severe storm, one of a series known as 'The Blizzard of 1886,' swept Kansas, with rain turning to ice and snow,

accompanied by high winds and below-zero temperature. Scores of settlers, living in impermanent houses, and cowboys and travelers, bewildered when landmarks were obliterated, were frozen to death. Railway traffic and business were paralyzed. Food and fuel shortages were serious. It was estimated that 80 per cent of the cattle in the storm path perished and those which survived were 'walking skeletons'."

Another report of the Kansas State Historical Society, Vol. XII, 1911-12, read as follows: "Record for January 1886 shows 50 to 100 persons frozen to death and cattle by tens of thousands destroyed in two weeks of zero weather."

As there were few, if any, fences, cattle drifted with the wind until they reached an obstruction or some kind of shelter in draws. There they piled up and were frozen. The Garden City News reports that dead cattle were piled up along the railroad tracks to such an extent that they had to be cleared up before trains could go through. Also, all along the Arkansas River dead cattle were piled, in some cases, five deep.

The official record of the Dodge City Weather Bureau Office contains the following note concerning January 7, 1886, when the storm was at its height: "Heavy snow during the night ended at 5:40 p. m. The wind blew a gale from the north during the entire day, averaging 40 miles per hour, with a mean temperature of -10°. The snow was so blinding that at no time during the day could a person see a rod before his face."

An example of the severity of this storm is given in recollections of Mr. O. P. Byers, published in a newspaper fifty years later, in which he tells of a case where a man and his team became lost in the storm and were frozen to death 50 feet from his dugout, while his family in the dugout knew nothing of it until the storm had subsided.

Records also show that but three passenger trains entered Denver from the east during the entire month of January 1886. This storm was by no means confined to Kansas. It, of course, originated in the Northwest and swept over western Nebraska with effects similar to those in Kansas. It was almost equally severe in Oklahoma and northern Texas, where cattle perished by the thousands. It reached Florida by the 9th and damaged the entire unpicked fruit crop, with a loss of \$1,000,000. At Jacksonville, Florida, ice formed in shallow parts of the river and pipes and hydrants in the city froze. At Tampa, Florida, the temperature dropped to 19° and at Gainsville, Georgia, to -7°, with the ground frozen to a depth of 18 to 20 inches.

In February 1912

The snow storm on the 25-26th of this month was generally conceded to be the worst since the blizzard of January 1886, but methods of living and care of livestock had improved so greatly in the meantime that, according to the report of the Kansas State Historical Society, Vol. XII, 1911-12, "Two months of greater snowfall than in 1886 and more continued zero weather caused only half a dozen deaths and loss of but a few hundred cattle."

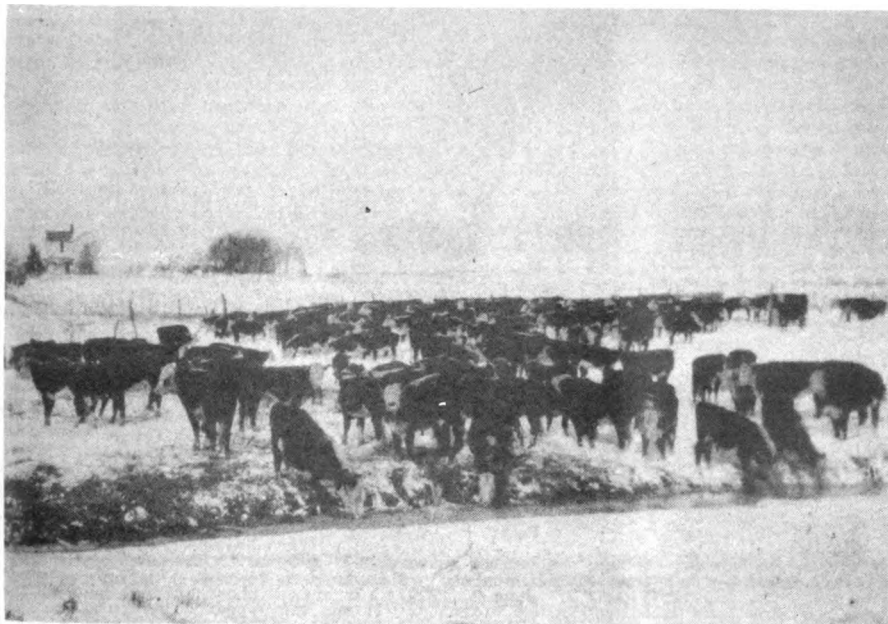
January 1912 was exceptionally cold and the ground was covered much of the month by snow that had fallen in the previous month, which depleted seriously the available supply of feed for livestock. February following had more snowfall than any other month on the State-wide record, begun in 1887, and by far the greater part of this fell on the 25-26th with high winds. Drifts of snow eight to ten feet deep resulted and cuts in railways and highways were filled. At Topeka the wind exceeded 30 miles per hour practically every hour from 9 a. m. to 7 p. m. on the 25th and blew from 20 to 27 miles per hour much of the 26th. Western Kansas, of course, had much higher winds. Many highways were blocked for days and train service was disrupted. Temperatures dropped to within 10° of zero in some places during the storm but were not as severe as in 1886.

In March 1931

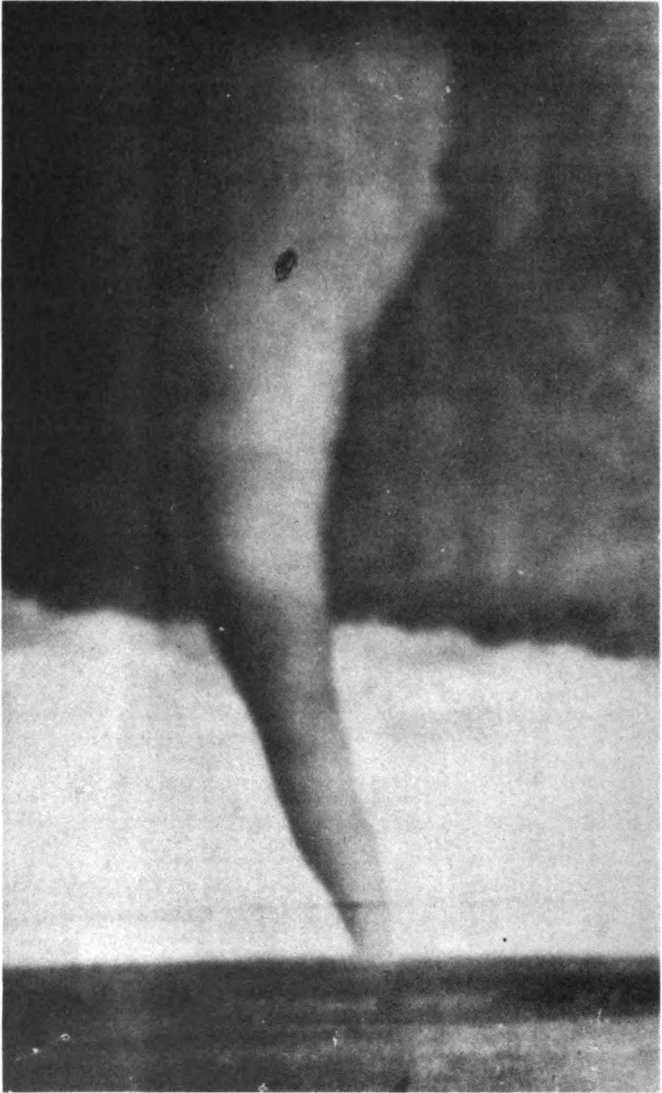
This storm, which struck the northwestern counties of the State during the forenoon of March 26, developed to the severity of a blizzard over the western third, where it was generally considered the worst of the kind since January 1886. It moved rapidly south and east, with high northwest winds, temperatures dropping rapidly toward zero, and heavy snow that generally totalled from five to ten inches over the northwestern counties. Driving snow in the air reduced visibility in many places to a few feet. Drifts of snow, five to ten feet deep in places, blocked highways and railroads within a few hours.

Warnings of this storm were widely distributed well in advance by telegraph, telephone, and radio broadcast, making it possible to take necessary precautions. Some persons caught in the open, however, had difficulty in reaching shelter. There were a number of narrow escapes but no loss of life occurred. Thousands of cattle and a great number of sheep and hogs perished. Train service on main lines was resumed after 24 to 36 hours, as power snow plows were immediately put into use by the railroads. Some branch lines required longer to be opened up. In many instances, highways were impassable for three to five days in the western counties.

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Snow is usually welcome to Kansas farmers for the moisture and protection it gives the land, contributing significantly to rich summer harvests.



Tornadoes in Kansas, though awesome in appearance, are not as frequent or destructive as in most other tornado-belt states. This tornado formed 6 miles west of Hartner, Kansas, at 5 p.m. of June 2, 1929. It struck the northwest edge of the town and many farm buildings in the vicinity. It was very spectacular in appearance and moved unusually slowly, travelling the 12 miles of its path in about half an hour. It was visible for 30 miles. White spots in the cloud are huge hailstones that fell as the storm moved. After it had passed Hartner, people came out of their caves and basements like "ants out of a hill."

TORNADOES

The reputation of Kansas for being the "Cyclone State" is not borne out by statistics and is largely due to wide publicity that has been given its tornadoes, so commonly misnamed "cyclones." Tornadoes occur from time to time in all states east of the Rockies and are more frequent in Midwestern states than elsewhere, which means, of course, they occasionally break out in Kansas.

The approach of tornadoes in the daytime in Kansas is usually visible for long distances, which gives persons an opportunity to seek safe shelter and accounts for the comparatively small number of Kansans killed by these storms.

Tornadoes are the most violent, least extensive, and most sharply defined of all storms. A person who has seen one and heard the terrific roaring that usually accompanies it is never likely to forget it. The characteristic vortex cloud, usually funnel-shaped, is a mass of air revolving at a terrific speed which has never been measured. The centrifugal force of this whirl creates a partial vacuum at its center, which accounts for its explosive effect as it passes over a building and for many of the freak occurrences that result.

It is doubtful whether any building, except possibly a steel-reinforced concrete structure with numerous floors and inside partitions, can withstand the force of a fully developed tornado, and the latter type building is almost sure to have its windows demolished and its cornices blown off. A wooden building is reduced to kindling in almost the proverbial "twinkling of an eye" and the air is filled with flying debris. Brick buildings of the ordinary type in city blocks usually have their upper stories demolished and the lower floor filled with debris.

The best refuge when a tornado is seen approaching is to get underground. The outdoor caves, "cyclone cellars," so often constructed adjacent to Kansas farm homes for the storage of fruits and vegetables, furnish excellent protection for persons who reach them. The southwest corner of the basement of a frame house is usually safe, as tornadoes commonly move from the southwest and debris is ordinarily carried to the opposite side of the basement. The most advisable thing to do for a person caught in the open when one of these storms is close is to lie down, preferably in a low place. To remain erect is to invite injury by flying debris or being blown away. For a person caught in a business section of a city, the chances of escape become largely a matter of luck. In that case, probably the safest place is in a lower hallway of a substantial building, well away from outside doors or windows, and crouching against a partition which might support the weight of collapsing walls and floors.

It is entirely possible for a person in an automobile to outrun a tornado if the road ahead is clear, or even to drive at right angles to its path. A person on foot, if there is sufficient time, can often escape the narrow path of destruction by running at right angles to the direction from which the tornado is moving.

According to Mr. J. R. Lloyd, Chief Forecaster, Weather Bureau Office, Kansas City, Missouri, conditions that cause most tornadoes consist of a mass of warm and very moist air lying on the ground, usually 8,000 to 12,000 feet thick, overlaid by very dry air, with cool air of steep lapse rate (a rapid decrease of temperature with elevation) coming in usually from a westerly direction at an elevation of 5,000 to 6,000 feet, shearing off the top of the dome of warm moist air and lifting it rapidly underneath the lid of very dry air. When this happens great turbulence is set up by the moist air that is lifted so rapidly. The cold westerly currents converging on the warm southerly currents of moist air aloft cause a whirl since the two are of different velocities, with the southerly current nearly always the fastest. To a certain extent this is analogous to the formation of the whirl that develops in a wash stand when water passes into the drain, except that in the latter case the movement is down while in the tornado it is up. The direction of the whirl of a tornado in the northern hemisphere is always counter-clockwise.

Dynamic cooling in the center of the vortex of a tornado causes condensation of water and the cloud becomes visible, usually a milky white at first and later taking on a much darker shade as the water particles increase in size. When the cloud reaches the ground, dust is drawn into it, often making it almost black.

Tornadoes originate at a considerable elevation above the ground and the funnel extends downward as it develops. Often the cloud fails to reach the ground and in that case little or no damage results. Quite often two or more vortex clouds form and travel approximately the same path.

Tornadoes usually develop in the southeast quadrant of an area of low pressure, the familiar cyclone of the weather map, when conditions are favorable. Trained meteorologists recognize these conditions and it is possible in many cases to forecast the area over which such storms may occur but it is impossible to foretell just where or when a tornado may develop in this area. Many experienced residents of Kansas have for years recognized what is commonly called "Cyclone Weather"—a warm "sticky" condition, especially during early forenoon hours.

The latest compilation of statistics for the Nation, as a whole, given on pages following, shows that, in the 22-year period ending with 1937, tornadoes were much more destructive in many states than in Kansas. Property losses from these storms were greater in the seven states of Missouri, Illinois, Georgia, Ohio, Texas, Iowa and Indiana, and fatalities in the fifteen states of Alabama, Arkansas, Georgia, Illinois, Indiana, Kentucky, Louisiana, Minnesota, Mississippi, Ohio, Oklahoma, South Carolina, Missouri, Tennessee and Texas exceeded those in Kansas.

A tabulation of the more destructive tornadoes over the country, given on the following pages, shows a considerable number of individual storms in states such as Missouri, Illinois, Mississippi, Georgia and Pennsylvania, each of which has caused the death of more persons than the total number of fatalities from those in Kansas in the past 32 years. Illinois and Georgia have each experienced a tornado that has destroyed half as much property as has been lost in Kansas in the entire 32-year period for which detailed information is available. Several states have reported tornadoes more than six times as destructive as any that have occurred in Kansas.

The comparatively low property loss in Kansas is due partly to the fact that, owing to large farms and ranches, much of the State is rather sparsely populated and tornadoes often occur with little or no damage. None of the larger cities of the State have had their business districts or residential sections materially damaged by a tornado. It is also fairly well established that paths of tornadoes in Kansas tend to be shorter and narrower than those in states farther east. The average length of a tornado path in the State, as computed for all such storms for which information is available, is 10 miles. The average length for the country as a whole is at least 30 per cent greater.

There are records of several tornadoes in eastern states that have travelled from 200 to 300 miles. In Kansas one of the longest, if not the longest, tornado paths on record is that of the storm which struck East Hutchinson on May 7, 1927. This storm travelled a total distance of 102 miles.

The surprisingly low number of fatalities from these storms in Kansas is, of course, partly due to the comparatively small number of large cities in the State, but it also happens that more than half the tornadoes in this State occur during daylight hours and can be seen and, in some cases, heard for rather long distances, which gives people a chance to take refuge in safe places. Outdoor caves, which are one of the safest places for escape, are not uncommon in the vicinity of Kansas farm homes. These and basements of houses have afforded adequate protection in a great number of instances.

As regards frequency of these storms, the statistics for the same 22-year period ending with 1937, show more tornadoes occurred in Iowa, which has less than 70 per cent of the area of Kansas, than in this State. It is also shown that where areas of equal size are considered, these storms are more frequent in both Iowa and Arkansas

than in this State.

The tabulation of all known tornadoes in Kansas over a 32-year period ending with 1945, given on pages following, indicates an average annual number of 16, which is only 12 per cent of the total occurring over the country as a whole. The average annual number of fatalities for Kansas is 5, which is 2 per cent of the average for the Nation. The average annual property loss for Kansas, as shown by the same tabulation, is \$544,274, which is only 5 per cent of the loss for the country as a whole.

It is the observation in Kansas that, as a rule, tornadoes move from the southwest toward the northeast, which is the reason the southwestern corner of a basement of a frame house is usually a safe refuge. However, tornadoes have been known to come from almost any direction and occasionally have been known to travel a path that was almost circular. Usually they move along their paths from 30 to 40 miles per hour, but occasionally they have been known to slow down almost to a halt.

Records of these storms indicate there is no substantial reason for the theory that a place in a valley may not be hit by one or that they will not strike twice in the same place. The town of Elmont, near Topeka and situated in the lee of a high bluff, was badly damaged by a tornado on June 5, 1917. The town of Codall, Rooks County, was struck twice by a tornado—on May 20, 1916, and on the same date in 1917. Kansas City, St. Louis, Omaha, and several other large cities have been struck at least twice by these destructive storms.

The probability of a given square mile in Kansas being struck in any year by a tornado is only one in 1,643. The basis for this statement is that the average area covered by a tornado in Kansas, as computed from reports of 209 tornadoes for which information relative to area is available, is three square miles. Since an average of 16 tornadoes occur each year in the State, this means that approximately 50 square miles feel the force of these storms annually, and there are 82,158 square miles in the State.

The probability of any given person being killed by a Kansas tornado in any year is only one in 358,000. In a lifetime of 70 years a Kansan has less than one chance in 5,000 of losing his life on account of a tornado, which is much less than the liability of death from almost any kind of an accident.

May and June are the months of greatest frequency for these storms in this State, with the liability a little higher in June, when 30 per cent of all tornadoes occur. No tornadoes have ever been reported in the State in January or December.

Tornadoes have been known to occur at all hours of the day except from 4 a. m. to 5 a. m. and are most frequent from 5 p. m. to 7 p. m. Of 306 Kansas tornadoes in the past 32 years, whose hour of occurrence is known, 51 have appeared between 5 p. m. and 6 p. m., the hour of greatest frequency.

A compilation of reports of 500 tornadoes in the State in the 32-year period ending with 1945 indicates rather clearly that these storms are more frequent and damaging in the middle third of the State than in other sections. During this time, 181 have occurred in the eastern third, 202 in the middle third, and 117 in the western third. Estimates of property damage from these storms total \$8,943,000 for the middle third, \$6,072,000 for the eastern third, and \$2,411,000 for the western third.

KANSAS TORNADOES BY YEARS

| Year | Number occurring | Loss of life | Estimated property loss | Year | Number occurring | Loss of life | Estimated property loss | Year | Number occurring | Loss of life | Estimated property loss |
|------|------------------|--------------|-------------------------|------|------------------|--------------|-------------------------|----------|------------------|--------------|-------------------------|
| 1914 | 8 | 10 | \$ 185,000 | 1925 | 12 | 0 | \$ 377,000 | 1936 | 17 | 0 | \$ 139,200 |
| 1915 | 10 | 20 | 1,280,000 | 1926 | 16 | 0 | 161,200 | 1937 | 14 | 1 | 93,150 |
| 1916 | 8 | 3 | 249,000 | 1927 | 19 | 19 | 1,471,750 | 1938 | 32 | 17 | 885,050 |
| 1917 | 18 | 31 | 1,881,000 | 1928 | 25 | 0 | 286,900 | 1939 | 19 | 0 | 49,550 |
| 1918 | 6 | 10 | 810,000 | 1929 | 20 | 1 | 314,500 | 1940 | 12 | 0 | 24,500 |
| 1919 | 5 | 5 | 229,000 | 1930 | 24 | 2 | 1,288,700 | 1941 | 18 | 8 | 612,050 |
| 1920 | 4 | 0 | 202,000 | 1931 | 11 | 2 | 71,000 | 1942 | 26 | 22 | 767,150 |
| 1921 | 6 | 0 | 5,000 | 1932 | 19 | 7 | 593,850 | 1943 | 14 | 1 | 970,200 |
| 1922 | 6 | 0 | 8,000 | 1933 | 22 | 5 | 932,890 | 1944 | 27 | 0 | 382,350 |
| 1923 | 18 | 1 | 267,000 | 1934 | 16 | 0 | 96,025 | 1945 | 17 | 0 | 292,000 |
| 1924 | 15 | 2 | 2,134,300 | 1935 | 16 | 0 | 357,450 | Averages | 16 | 5 | 544,274 |

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NUMBER OF TORNADOES OCCURRING EACH MONTH 1914-1945

| Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|
| 0 | 5 | 26 | 76 | 122 | 148 | 38 | 39 | 27 | 8 | 11 | 0 | 500 |

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HOURS OF OCCURRENCE OF 306 TORNADOES 1914-1945

| Hour ending | 1 a.m. | 2 a.m. | 3 a.m. | 4 a.m. | 5 a.m. | 6 a.m. | 7 a.m. | 8 a.m. | 9 a.m. | 10 a.m. | 11 a.m. | Noon |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Tornadoes | 4 | 3 | 1 | 2 | 0 | 1 | 1 | 1 | 3 | 3 | 3 | 4 |
| Hour ending | 1 p.m. | 2 p.m. | 3 p.m. | 4 p.m. | 5 p.m. | 6 p.m. | 7 p.m. | 8 p.m. | 9 p.m. | 10 p.m. | 11 p.m. | Midn't |
| Tornadoes | 4 | 6 | 13 | 28 | 44 | 51 | 50 | 34 | 18 | 16 | 12 | 4 |

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NUMBER OF TORNADOES AND TORNADO DAMAGE FOR EACH OF THREE DIVISIONS OF STATE 1914-1945

| EASTERN DIVISION | | MIDDLE DIVISION | | WESTERN DIVISION | |
|------------------|-------------|-----------------|-------------|------------------|-------------|
| Number | Damage | Number | Damage | Number | Damage |
| 181 | \$6,072,000 | 202 | \$8,943,000 | 117 | \$2,411,000 |

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TOTALS OF TORNADO DAMAGE AND LOSS OF LIFE
Over 22-Year Period Ending With 1937

(For 10 states where property losses were heaviest.)

| State | Property Damage | Loss of Life | State | Property Damage | Loss of Life | State | Property Damage | Loss of Life |
|----------|-----------------|--------------|---------|-----------------|--------------|-----------|-----------------|--------------|
| Missouri | \$32,882,850 | 355 | Texas | \$14,136,850 | 441 | Kansas | \$12,221,715 | 102 |
| Illinois | 29,882,600 | 814 | Iowa | 12,734,625 | 72 | Minnesota | 12,009,400 | 128 |
| Georgia | 20,450,500 | 433 | Indiana | 12,304,350 | 208 | Alabama | 10,904,200 | 611 |
| Ohio | 18,918,150 | 140 | | | | | | |

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AVERAGE ANNUAL OCCURRENCE OF TORNADES OVER 22-YEAR PERIOD ENDING WITH 1937

| State | Area Square miles | Average Number Per Year | Average Number Per Unit Area of 10,000 Square Miles |
|--------------------------|----------------------|----------------------------|--|
| Iowa | 56,147 | 15.3 | 2.7 |
| Arkansas | 53,335 | 10.1 | 1.9 |
| Kansas | 82,158 | 14.6 | 1.8 |
| Mississippi | 46,865 | 6.0 | 1.3 |
| Alabama | 51,998 | 5.8 | 1.1 |
| Missouri | 69,420 | 6.7 | 1.0 |
| District of Columbia ... | 100 | 0.2 | 20.0 |

DESTRUCTIVE TORNADES OF OTHER STATES

| Place | Date | Lives Lost | Estimated Property Damage |
|---|---------------|------------|------------------------------|
| Louisville, Kentucky | Mar. 27, 1890 | 106 | \$ 3,500,000 |
| St. Louis, Missouri | May 27, 1896 | 306 | 12,904,000 |
| Omaha, Nebraska | Mar. 23, 1913 | 94 | 3,500,000 |
| New Albany, Indiana | Mar. 23, 1917 | 45 | 2,000,000 |
| Fergus Falls, Minnesota | June 22, 1919 | 59 | 3,500,000 |
| Chicago, Illinois, and vicinity | Mar. 28, 1920 | 28 | 3,000,000 |
| Lorain-Sandusky, Ohio | June 28, 1924 | 85 | 12,000,000 |
| Missouri-Illinois-Indiana | Mar. 18, 1925 | 689 | 16,500,000 |
| St. Louis, Missouri | Sep. 29, 1927 | 72 | 22,000,000 |
| Tupelo, Mississippi | Apr. 5, 1936 | 216 | 3,500,000 |
| Gainesville, Georgia | Apr. 6, 1936 | 203 | 13,000,000 |
| Albany, Georgia | Feb. 10, 1940 | 17 | 5,000,000 |
| Fryor, Oklahoma | Apr. 27, 1942 | 52 | 3,000,000 |
| Akron, Ohio | Apr. 27, 1943 | 2 | 3,000,000 |
| Pennsylvania, West Virginia, and Ohio | June 23, 1944 | 153 | 5,000,000 |

ESPECIALLY DESTRUCTIVE TORNADES IN KANSAS

| County of Occurrence | Date | Lives Lost | Estimated Property Damage |
|---|---------------|------------|------------------------------|
| Barton | Nov. 10, 1915 | 11 | \$ 1,000,000 |
| Sedgwick, Harvey, Butler, and Marion | May 25, 1917 | 12 | 600,000 |
| Montgomery | June 1, 1917 | 3 | 500,000 |
| Wabaunsee, Shawnee, Jackson, and Jefferson | June 5, 1917 | 9 | 500,000 |
| Ellis, Rooks, and Osborne | May 20, 1918 | 10 | 450,000 |
| Butler | July 13, 1924 | 1 | 2,000,000 |
| Comanche, Barber, Kingman, Reno, and McPherson .. | May 7, 1927 | 10 | 1,300,000 |
| Jefferson and Leavenworth | May 1, 1930 | 2 | 500,000 |
| Washington | July 4, 1932 | 5 | 500,000 |
| Seward | May 22, 1933 | 4 | 750,000 |
| Labette and Cherokee | Mar. 30, 1938 | 10 | 575,000 |

FREQUENCY PERCENTAGES OF CLASSIFIED FLYING WEATHER

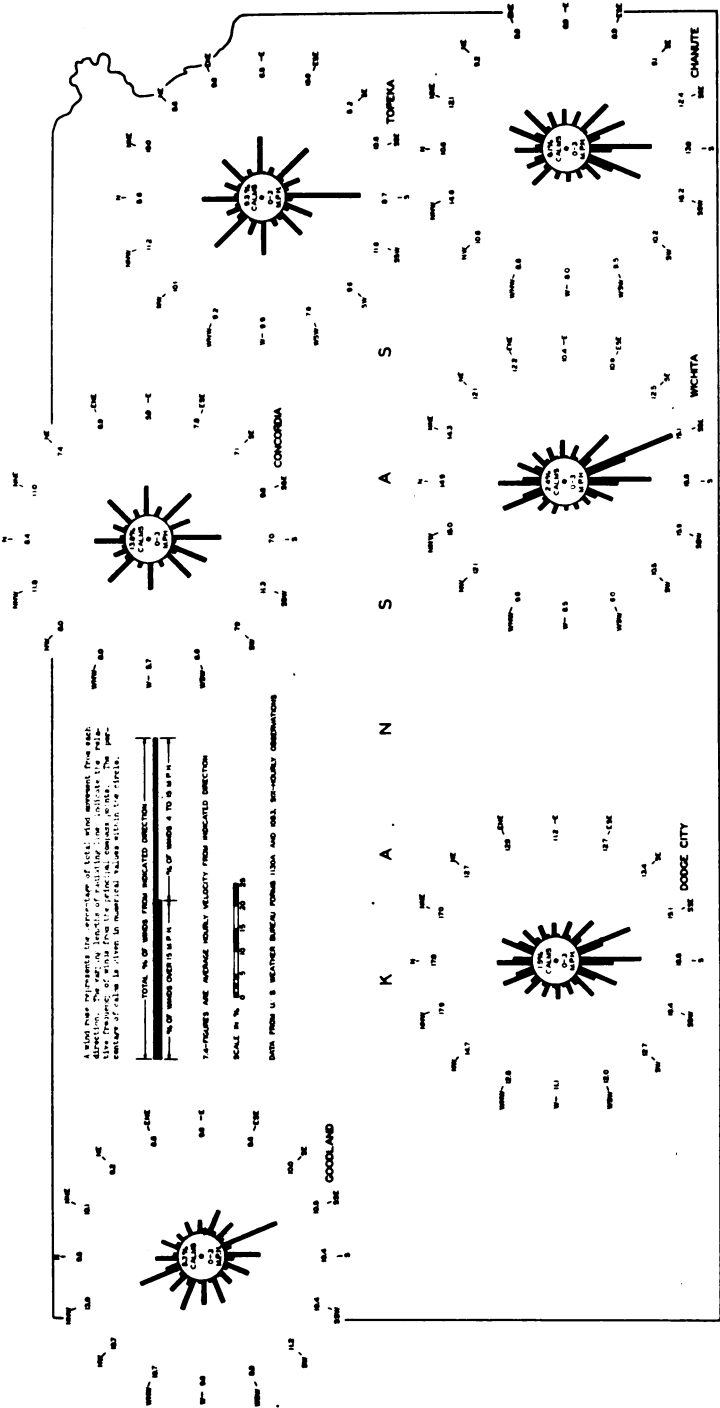
| Station | Period of Record | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual |
|----------------------|-----------------------|---|------|------|------|------|-----|------|------|------|------|------|------|------|--------|
| Coffeyville (AAF) | Dec 1942 - May 1944 | C | 89 | 92 | 90 | 98 | 88 | 98 | 100 | 100 | 94 | 94 | 99 | 76 | 93 |
| | | N | 7 | 4 | 8 | 2 | 8 | 1 | 0 | 0 | 4 | 5 | 1 | 17 | 5 |
| | | X | 4 | 4 | 2 | 0 | 4 | 1 | 0 | 0 | 2 | 1 | 0 | 7 | 2 |
| Dodge City | 1938 - 1944 | C | 86 | 83 | 86 | 87 | 92 | 95 | 99 | 97 | 95 | 91 | 92 | 82 | 91 |
| | | N | 6 | 9 | 6 | 8 | 5 | 3 | 1 | 2 | 3 | 6 | 4 | 7 | 5 |
| | | X | 8 | 8 | 8 | 5 | 3 | 2 | 0 | 1 | 2 | 3 | 4 | 11 | 4 |
| Fort Riley (AAF) | 1939 - 1945 | C | 86 | 87 | 89 | 94 | 95 | 96 | 99 | 97 | 96 | 94 | 92 | 83 | 93 |
| | | N | 9 | 9 | 8 | 5 | 4 | 3 | 1 | 2 | 3 | 4 | 6 | 11 | 5 |
| | | X | 5 | 4 | 3 | 1 | 1 | 1 | 0 | 1 | 1 | 2 | 2 | 6 | 2 |
| Garden City (AAF) | Feb 1943 - Dec 1944 | C | 91 | 87 | 83 | 87 | 86 | 95 | 98 | 97 | 95 | 93 | 95 | 87 | 91 |
| | | N | 3 | 7 | 8 | 8 | 10 | 2 | 2 | 2 | 2 | 5 | 3 | 5 | 5 |
| | | X | 6 | 6 | 9 | 5 | 4 | 3 | 0 | 1 | 3 | 2 | 2 | 8 | 4 |
| Goodland | 1944 - 1946 | C | 90 | 80 | 85 | 80 | 90 | 89 | 96 | 94 | 93 | 90 | 89 | 93 | 89 |
| | | N | 4 | 8 | 10 | 14 | 6 | 6 | 3 | 4 | 5 | 6 | 7 | 5 | 6 |
| | | X | 6 | 12 | 5 | 6 | 4 | 5 | 1 | 2 | 2 | 4 | 4 | 2 | 5 |
| Great Bend (AAF) | Aug 1943 - July 1944 | C | 84 | 84 | 76 | 80 | 94 | 99 | 98 | 99 | 94 | 94 | 99 | 92 | 91 |
| | | N | 6 | 10 | 12 | 10 | 4 | 1 | 1 | 1 | 4 | 4 | 1 | 4 | 5 |
| | | X | 10 | 6 | 12 | 10 | 2 | 0 | 1 | 0 | 2 | 2 | 0 | 4 | 4 |
| Herington (AAF) | June 1943 - July 1944 | C | 86 | 80 | 73 | 75 | 95 | 96 | 99 | 100 | 96 | 91 | 93 | 86 | 89 |
| | | N | 6 | 12 | 12 | 19 | 3 | 2 | 1 | 0 | 3 | 5 | 6 | 6 | 6 |
| | | X | 8 | 8 | 15 | 6 | 2 | 2 | 0 | 0 | 1 | 4 | 1 | 8 | 5 |
| Leavenworth (AAF) | 1939 - 1945 | C | 82 | 88 | 90 | 94 | 94 | 96 | 99 | 95 | 92 | 91 | 89 | 82 | 91 |
| | | N | 11 | 8 | 7 | 5 | 4 | 3 | 1 | 3 | 5 | 6 | 8 | 11 | 6 |
| | | X | 7 | 4 | 3 | 1 | 2 | 1 | 0 | 2 | 3 | 3 | 7 | 7 | 3 |
| Liberal (AAF) | June 1943 - June 1944 | C | 90 | 83 | 80 | 79 | 90 | 99 | 99 | 99 | 95 | 95 | 97 | 89 | 91 |
| | | N | 2 | 6 | 10 | 9 | 6 | 0 | 0 | 0 | 3 | 2 | 2 | 2 | 4 |
| | | X | 8 | 11 | 10 | 12 | 4 | 1 | 1 | 1 | 2 | 3 | 1 | 9 | 5 |
| Pratt (AAF) | Aug 1943 - July 1944 | C | 83 | 83 | 76 | 79 | 92 | 98 | 98 | 100 | 93 | 93 | 99 | 90 | 90 |
| | | N | 5 | 8 | 12 | 17 | 5 | 1 | 2 | 0 | 3 | 4 | 1 | 4 | 5 |
| | | X | 12 | 9 | 12 | 4 | 3 | 1 | 0 | 0 | 4 | 3 | 0 | 6 | 5 |
| Salina (AAF) | Nov 1942 - Feb 1944 | C | 85 | 89 | 86 | 98 | 87 | 94 | 99 | 100 | 98 | 97 | 94 | 79 | 92 |
| | | N | 9 | 7 | 10 | 2 | 10 | 3 | 1 | 0 | 1 | 3 | 5 | 10 | 5 |
| | | X | 6 | 4 | 4 | 0 | 3 | 3 | 0 | 0 | 1 | 0 | 1 | 11 | 3 |
| Topeka (AAF) | Sep 1942 - June 1944 | C | 86 | 91 | 84 | 90 | 88 | 94 | 99 | 100 | 94 | 94 | 88 | 76 | 90 |
| | | N | 9 | 8 | 12 | 8 | 9 | 5 | 1 | 0 | 4 | 5 | 8 | 17 | 7 |
| | | X | 5 | 1 | 4 | 2 | 3 | 1 | 0 | 0 | 2 | 1 | 4 | 7 | 3 |
| Victoria (AAF) | Feb 1943 - July 1944 | C | 85 | 90 | 81 | 87 | 94 | 94 | 98 | 99 | 93 | 95 | 98 | 96 | 93 |
| | | N | 6 | 5 | 6 | 6 | 4 | 3 | 1 | 1 | 3 | 2 | 1 | 1 | 3 |
| | | X | 9 | 5 | 13 | 7 | 2 | 3 | 1 | 0 | 4 | 3 | 1 | 3 | 4 |
| Wichita | 1938 - 1944 | C | 84 | 85 | 89 | 94 | 93 | 97 | 99 | 97 | 95 | 92 | 89 | 81 | 91 |
| | | N | 6 | 8 | 7 | 4 | 5 | 2 | 1 | 2 | 3 | 5 | 6 | 8 | 5 |
| | | X | 10 | 7 | 4 | 2 | 2 | 1 | 0 | 1 | 2 | 3 | 5 | 11 | 4 |
| Winfield (AAF) | Dec 1942 - June 1944 | C | 84 | 90 | 83 | 95 | 86 | 99 | 99 | 100 | 94 | 94 | 95 | 76 | 91 |
| | | N | 9 | 6 | 13 | 5 | 12 | 1 | 1 | 0 | 4 | 5 | 4 | 15 | 6 |
| | | X | 7 | 4 | 4 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 1 | 9 | 3 |
| Kansas City, Mo. | 1938 - 1944 | C | 71 | 80 | 84 | 92 | 93 | 94 | 97 | 94 | 90 | 85 | 79 | 75 | 86 |
| | | N | 21 | 16 | 14 | 7 | 6 | 5 | 3 | 5 | 9 | 12 | 17 | 20 | 11 |
| | | X | 8 | 4 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 3 | 4 | 5 | 3 |
| St. Joseph, Mo. | 1938 - 1944 | C | 82 | 86 | 87 | 92 | 95 | 95 | 99 | 97 | 95 | 92 | 88 | 82 | 91 |
| | | N | 11 | 10 | 10 | 7 | 4 | 4 | 1 | 2 | 3 | 5 | 9 | 11 | 6 |
| | | X | 7 | 4 | 3 | 1 | 1 | 1 | 0 | 1 | 2 | 3 | 3 | 7 | 3 |

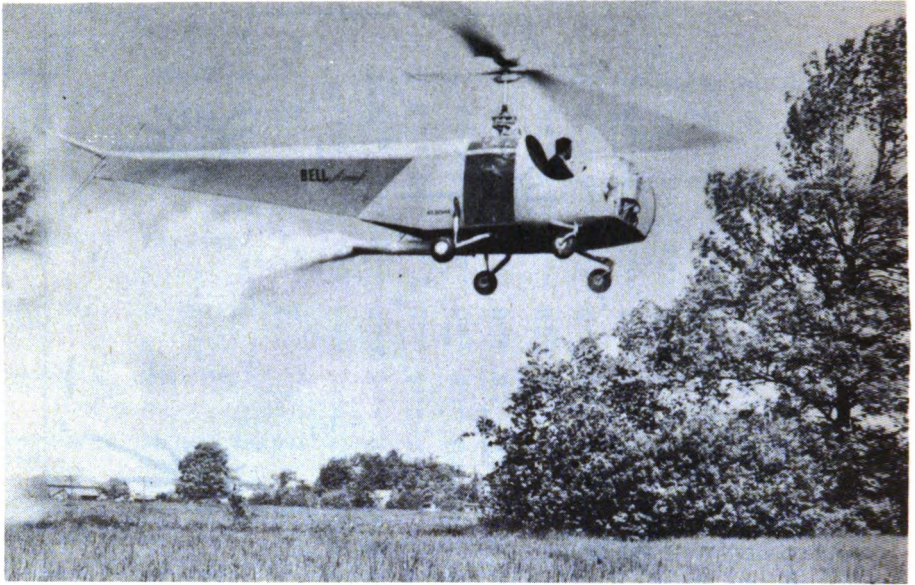
(C) Contact - Ceiling 1000 ft. or more and visibility 3 miles or more.

(N) Instrument - Either element below above minima, but not below 500 ft. ceiling and/ or 1 mile visibility.

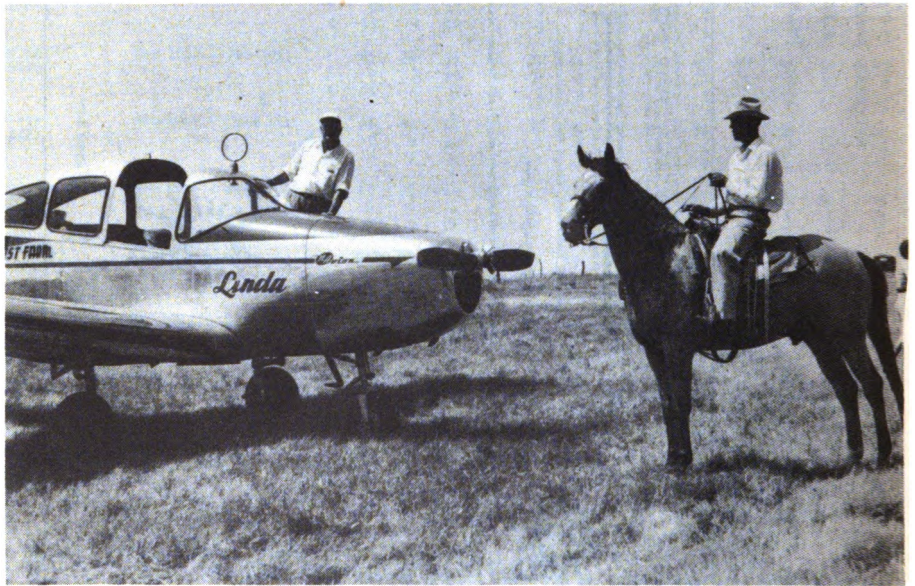
(X) Closed - Ceiling below 500 ft. or visibility below 1 mile.

RECORDED WIND DIRECTIONS AND VELOCITIES
AT
SELECTED KANSAS STATIONS
FOR
THE YEARS 1942 TO 1945 INCL.



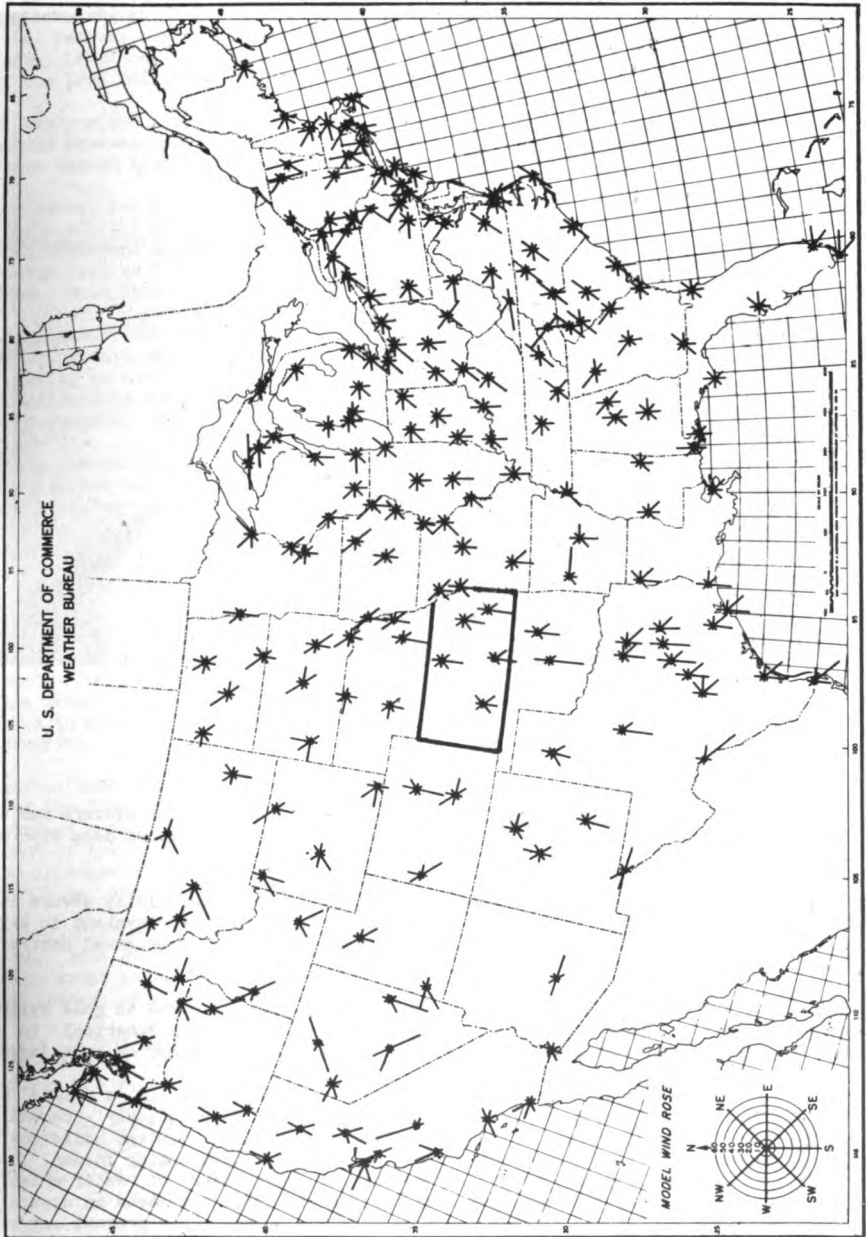


Man is utilizing modern aircraft in his ancient fight against insects and as a result is closer to victory than ever before.



Cattlemen, past and present, discuss problems of patrolling their ranges. Airplanes are aiding modern farmers to guard their extensive ranges.

Annual Percent of the Time Wind Occurred from Directions Shown.



H A I L



This hail fell in Clay and Geary Counties on May 10, 1938. The picture was taken near Wakefield. In some places the ground was covered 4 to 6 inches deep with hailstones.

Hailstorms occur in almost all parts of the country and are especially severe in the high plains west of the 100th Meridian. In Kansas they are most prevalent in May and June, just when wheat is approaching maturity, and sometimes cause great destruction over limited areas.

Hailstones are usually small, ranging in size from that of peas to golf balls but occasionally they reach the size of baseballs. Most are roughly spherical in size but they have been found of many shapes. Some are rough and lumpy or even jagged.

Hail is caused by drops of rain being caught in strong updrafts in a cloud which carry them into the region of freezing temperatures when they quickly congeal and also gather coatings of snow and frost. After a time each incipient hailstone gets into a weaker updraft or else tumbles into the edge of the ascending column. It then falls back into the region of liquid drops and gathers a layer of water which, at once, is frozen by the low temperature of the kernel. Again it meets an upward gust and a new layer of ice and a fresh layer of snow are added. This process may be repeated several times before the hailstone finally falls to the ground and accounts for the alternate layers of ice and layers of opaque snow in them. Sometimes a number of smaller hailstones are frozen together or possibly frozen on the outside of a larger hailstone.

Few, if any, parts of the country are immune from hail damage. Individual hailstorms that have caused losses totalling from a quarter to a half million dollars have occurred in eastern states to the Atlantic seaboard and great damage has occurred in the southern states. In Iowa, where statistics of hail damage are collected from year to year by township assessors, the average annual loss, chiefly to the Iowa corn crop, is almost four million dollars. In at least six of the past twenty-four years, the Iowa hail loss has exceeded five million dollars.

Almost every state from Pennsylvania to the Rockies, south into Texas and northwest to include Montana, has in its history records of a considerable number of hailstorms that have caused losses of a million dollars or more for each storm.

Weather Bureau records show that hail is no more frequent in eastern Kansas than over most of the country and is not as frequent as in many parts of Iowa, eastern Indiana, Michigan, or northern Missouri. To the west, however, hail risk increases materially just as it does in western portions of other states crossed by the 100th meridian. This increase in hail frequency continues into Wyoming and Montana.

Hail is commonly associated with heavy rains and thunderstorms and is more frequent and damaging in a wet year than in a dry one. It seems an anomaly that western Kansas, having on the average less rainfall than the eastern part of the State, should have considerably more hail. The reason for this is given by Mr. J. R. Lloyd, Supervising Forecaster, U. S. Weather Bureau, Kansas City, Missouri, as follows:

"Cold air which has its origin over the Pacific Ocean is often carried eastward across the western plateau and Rocky Mountain regions and flows eastward and northeastward over the central and northern Great Plains region, over-running moist tropical marine air at lower levels flowing northward from the Gulf of Mexico.

"These cold masses of air often occur with the greatest frequency in the late spring and early summer, often extending eastward into the Mississippi Valley, where they are gradually warmed. They are colder and, consequently, the lapse rate is steeper over the western part of the Great Plains than farther east. The greatest instability and turbulence exists on the western side of the Great Plains rather than the eastern side and, consequently, this is the area in which hailstorms are likely to occur with the greatest frequency and severity."

Individual Kansas hailstorms that happened to strike in the heart of the great wheat belt of the State have caused heavy losses, but the best estimates available indicate the average annual loss over the ten-year period ending with 1945 has been only four per cent of the total wheat yield of the State, which is not much greater than losses due to improper methods of harvest and threshing or spoilage due to wet periods at harvest time, and much less than insect damage.

While the State has in its history a number of hail losses that exceeded a million dollars, some of which are tabulated on a following page, it has nothing to compare with the great hailstorm in Iowa and northwestern Illinois on August 18, 1925, which caused losses, chiefly to the corn crop, totalling \$5,510,000.

Over the 18-year period ending with 1945, a total of 903 heavy falls of hail in Kansas were reported to the Weather Bureau and of these, 521, or 58 per cent, occurred in either May or June, just when much of the wheat crop was approaching harvest. As Kansas is the premier wheat State, this accounts for the fact that its chief loss from hail has been to that crop, though, as in other states, additional losses have occurred to other crops and to personal property, such as automobiles and roofs of buildings. The distribution through the year of these 903 hailstorms is as follows:

| | | | |
|---------------|-----|----------------|-----|
| January | 1 | July | 117 |
| February | 3 | August | 89 |
| March | 19 | September ... | 36 |
| April | 106 | October | 8 |
| May | 236 | November | 1 |
| June | 285 | December | 2 |

Actual hail damage in Kansas is not known definitely, but it is possible to make a rather close estimate of wheat losses by using the experience of insurance companies writing hail risks, as filed with the State Superintendent of Insurance.

In the ten-year period ending with 1945, the average annual yield of wheat in the State was 158,916,000 bushels. The ratio of loss of insured wheat in each county over the same ten-year period applied to the average yield of the county gives, within rather narrow limits, the probable total loss by hail in that county. Using this method and adding losses for all counties, results in a total of 6,878,000 bushels for the State, which is but four per cent of the total yield.

As indicated by the chart on a following page, falls of heavy hail are from two to four times more frequent in middle and western Kansas than in the eastern part of the State. Since heavy wheat-producing areas are largely in the former sections, wheat losses by hail there are naturally much higher, ranging from an average annual average of 44,081 bushels per unit area of 5,000 square miles in the southeastern counties to 968,177 bushels for similar areas in the great wheat-producing counties in the northwestern part of the State.

Hail damage varies greatly from year to year in all parts of the country. In Kansas a wet summer, especially a wet May and June, when wheat is approaching harvest, is nearly always accompanied by more hail losses than usual. The year 1915, the wettest on record in the State, was also a year of severe hail losses. The tabulation of damage of outstanding hailstorms reported on a page following, while not complete insofar as all hail losses are concerned, indicates very clearly the heavy losses of 1928 and 1945, both of which had wet summers, and that hail losses fell off markedly during the dry years of the 1930's.



Localized damage from hail is often severe though the total crop production in Kansas is never materially affected by this type of climatic storm.

KANSAS HAIL STORMS AND HAIL DAMAGE REPORTED TO U. S. WEATHER BUREAU

(This does not include many cases of small losses and estimated damage is not complete for the State.)

| Year | Number of Storms | Estimated Damage | Year | Number of Storms | Estimated Damage |
|------|------------------|------------------|----------|------------------|------------------|
| 1928 | 47 | \$12,375,000 | 1938 | 67 | \$ 3,650,500 |
| 1929 | 38 | 2,403,500 | 1939 | 51 | 696,350 |
| 1930 | 40 | 1,040,000 | 1940 | 28 | 156,000 |
| 1931 | 43 | 2,513,550 | 1941 | 45 | 1,424,400 |
| 1932 | 54 | 893,200 | 1942 | 48 | 3,165,590 |
| 1933 | 44 | 557,100 | 1943 | 51 | 4,400,700 |
| 1934 | 28 | 601,500 | 1944 | 50 | 3,520,900 |
| 1935 | 26 | 496,500 | 1945 | 85 | 10,698,500 |
| 1936 | 17 | 458,500 | | | |
| 1937 | 46 | 2,063,900 | Averages | 45 | 2,839,761 |

OUTSTANDING HAILSTORMS

1928 - 1945

1928

| Date | County | Estimated Damage | Date | County | Estimated Damage |
|----------|--------------------------------|------------------|------------|---|------------------|
| May 18 | Saline | \$ 500,000 | June 12 | Seward | \$1,000,000 |
| May 28 | Kiowa | 200,000 | June 14 | Pratt, Barber, and Harper | 1,400,000 |
| June 7-8 | McPherson and Harvey | 250,000 | June 19-20 | Grant, Stevens, Haskell, Meade, and Clark | 3,000,000 |
| June 7-8 | Clark | 1,000,000 | June 23 | Republic | 275,000 |
| June 8 | Kearny, Finney, Gray, and Ford | 3,000,000 | | | |

1929

| | | | | | |
|---------|---------------------|---------|---------|-------|---------|
| June 11 | Rawlins and Decatur | 300,000 | June 13 | Pratt | 500,000 |
|---------|---------------------|---------|---------|-------|---------|

1930

| | | |
|--------|------------------|---------|
| June 9 | Seward and Meade | 300,000 |
|--------|------------------|---------|

1931

| | | | | | |
|-------|--|-----------|---------|---------------|---------|
| May 4 | Stanton, Kearny, Haskell, Finney, and Gray | 1,500,000 | June 14 | Rice and Reno | 600,000 |
|-------|--|-----------|---------|---------------|---------|

1932

| | | |
|--------|--------------------------|---------|
| Aug. 6 | Atchison and Leavenworth | 400,000 |
|--------|--------------------------|---------|

1933

| | | | | | |
|--------|-----------|---------|--------|-----------|---------|
| May 17 | Dickinson | 120,000 | May 17 | McPherson | 100,000 |
|--------|-----------|---------|--------|-----------|---------|

1934

| | | | | | |
|--------|------|---------|---------|--------------------|---------|
| May 12 | Lane | 150,000 | June 12 | Sherman and Thomas | 200,000 |
|--------|------|---------|---------|--------------------|---------|

1935

| | | | | | |
|---------|-------------------------|---------|---------|----------|---------|
| June 20 | Washington and Marshall | 110,000 | June 25 | Cheyenne | 108,000 |
|---------|-------------------------|---------|---------|----------|---------|

1936

| | | |
|---------|---------------------------|---------|
| June 16 | Pratt, Kingman and Barber | 300,000 |
|---------|---------------------------|---------|

(Continued on next page)

OUTSTANDING HAILSTORIES (Continued)

1928 - 1945

1937

| Date | County | Estimated Damage | Date | County | Estimated Damage |
|--------|-------------------------------|------------------|---------|--------|------------------|
| May 21 | Sedgewick, Sumner, and Cowley | \$ 600,000 | June 12 | Thomas | \$ 225,000 |
| June 8 | Reno and Rice | 250,000 | | | |

1938

| | | | | | |
|-----------|---|---------|---------|------------------|---------|
| May 20-21 | Sherman, Cheyenne, Thomas, Rawlins, Decatur, Norton, and Phillips | 500,000 | June 10 | Logan and Thomas | 225,000 |
| | | | June 10 | Meade | 500,000 |
| | | | June 14 | Stafford | 250,000 |

1939

| | | |
|---------|---------------------------------------|---------|
| June 14 | Trego, Ness, Rush, Edwards and Pawnee | 185,000 |
|---------|---------------------------------------|---------|

1940

1941

| | | | | | |
|--------|-------|---------|---------|--------|---------|
| May 15 | Rooks | 172,000 | Sept. 7 | Norton | 350,000 |
|--------|-------|---------|---------|--------|---------|

1942

| | | | | | |
|------------|-------------------------------|---------|------------|-----------------|---------|
| June 11-12 | Rawlins and Decatur | 350,000 | June 20 | Scott | 500,000 |
| June 12 | Decatur, Norton, and Phillips | 350,000 | June 21-22 | Wichita | 350,000 |
| June 18 | Ness | 400,000 | June 27 | Ellis and Rooks | 400,000 |

1943

| | | | | | |
|---------|----------------------------------|-----------|---------|----------------------------|-----------|
| May 26 | Finney and Haskell | 108,400 | June 16 | Pawnee, Stafford, and Reno | 2,000,000 |
| June 15 | Sheridan, Gove, Trego, and Ellis | 1,427,000 | | | |

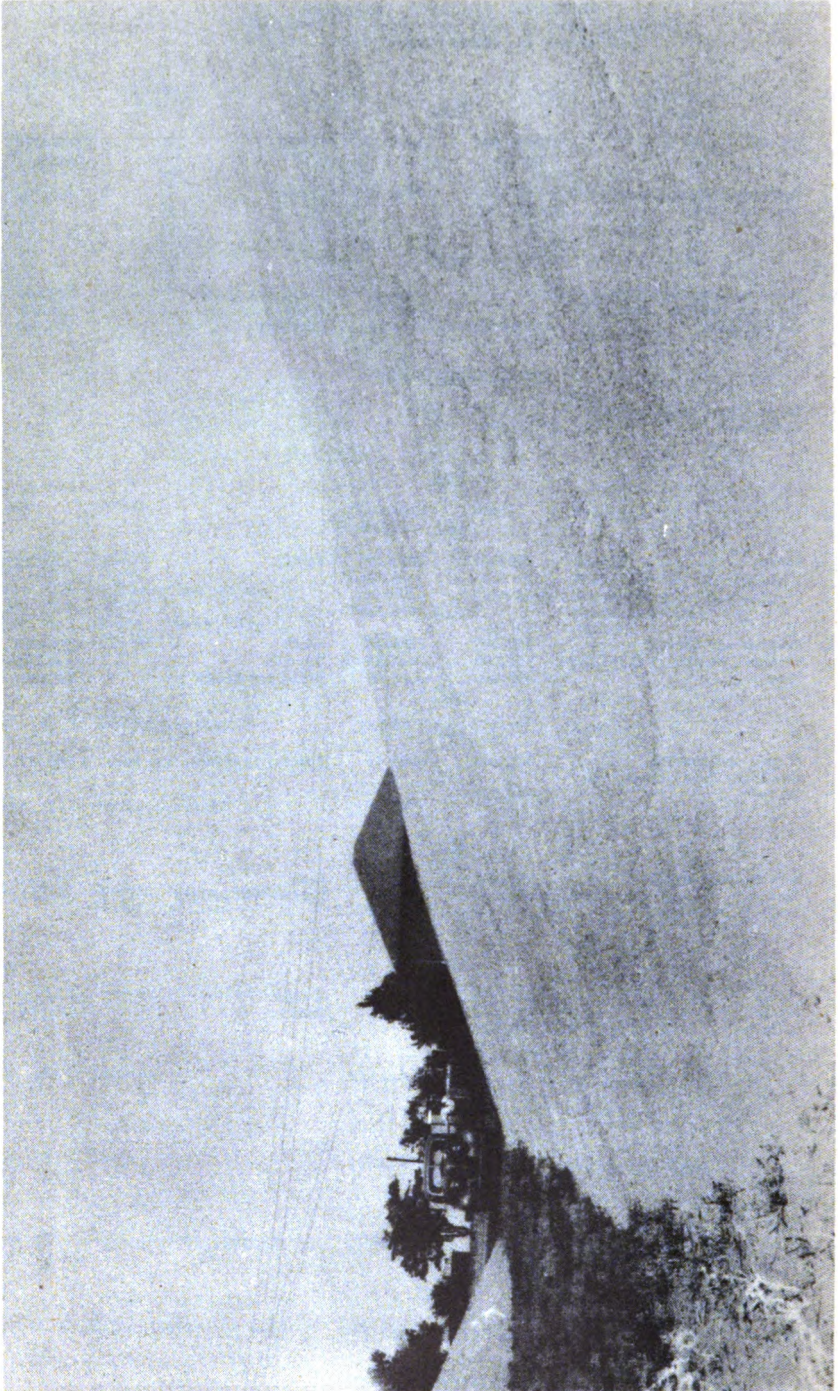
1944

| | | | | | |
|---------|--------------------|-----------|---------|--------------------|---------|
| Apr. 29 | Morton and Stevens | 200,000 | July 22 | Rush | 350,000 |
| June 12 | Barton | 1,000,000 | Aug. 29 | Morton and Stevens | 200,000 |
| July 12 | Rawlins and Thomas | 1,000,000 | | | |

1945

| | | | | | |
|---------|---------|-----------|---------|---------|-----------|
| Mar. 19 | Harper | 250,000 | June 30 | Thomas | 1,000,000 |
| May 12 | Smith | 250,000 | June 30 | Decatur | 1,500,000 |
| May 30 | Sherman | 1,000,000 | | | |

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Mountains of wheat, symbol of rich soil, ideal climate, adapted varieties and modern farming.

DUST STORMS

The high plains, lying chiefly between the 100th meridian and the Rocky Mountains and including the western part of Kansas, have experienced dust storms during droughty periods from the dawn of history.

The soil in this region is generally of fine texture, much of it originally wind-laid, and wind velocities are relatively high, especially during spring months. Undoubtedly over-grazing, prairie fires, and, in later years, improper handling of the soil, have contributed in some measure to excessive soil blowing.

The family of droughts in the 1930's resulted in severe dust storms in southeastern Colorado, southwestern Kansas, western Oklahoma, northwestern Texas, and parts of New Mexico. Dust was carried in the upper air across the country to the Atlantic seaboard and excited wide comment. Someone coined the unhappy misnomer, "Dust Bowl," and the public became "dust storm conscious." Fear, without basis in fact, was widely expressed that erosion of the soil would decrease the fertility of the region and also that a similar condition of blowing soil would gradually move east and become prevalent in more humid parts of the country.

In this connection, it is interesting to note that the 14 southwestern counties of Kansas, where the dust storms of the 1930's were more severe than in any other part of the State, produced an average annual yield of 35,485,932 bushels of wheat over the five-year period ending with 1945. This is greater than the average yield for the same period in either Missouri, Illinois, Indiana, or Iowa, and more than a sixth of the total yield for all of Kansas, though these counties comprise less than a sixth of the area of the State.

As a matter of fact, soil erosion by blowing is negligible when compared to that from heavy rains in more humid parts of the country. While it is often disastrous to current crops, it consists more of an exchange of soil from one section to another than from permanent and irreparable erosion.

Dust storms may be divided into three general classes—(1) blowing dust of local nature which may reduce visibility to a few feet for brief intervals; (2) dust carried long distances by upper air currents, which is sometimes sufficiently dense to obscure the sun; and (3) severe dust storms that cause extensive soil blowing and sometimes appear as towering black clouds, rather appropriately named "black blizzards." The first two classes occur in many parts of the country and result in inconvenience but cause very little damage. Those of the second class may reduce visibility to 100 feet or somewhat less, interfere with automobile travel, make it necessary to use artificial illumination in homes and offices during daylight hours, and leave an exasperating deposit of dust in living quarters.

Towering clouds of dust seldom appear except during periods of prolonged drought and are usually confined to the region between the 100th meridian and the Rocky Mountains. They are somewhat terrifying as they approach, reduce visibility to a few feet or less within a few minutes, and spread a pall of darkness over a community. Sometimes this condition exists for 12 to 24 hours. Travel is almost impossible under such conditions. Breathing becomes difficult unless cloth masks are used, and there have been instances in extreme cases of persons and livestock being smothered by dust. Soil is often blown extensively from plowed fields, destroying existing crops, and has been known to drift like snow against obstacles.

A rather curious phenomenon that often occurs in connection with blowing dust is the building up of charges of static electricity in metal objects insulated from the ground. Automobiles under this condition are often stalled by interference with their ignition systems, but this trouble is remedied by dragging a chain or wire on the ground, which dissipates the electrical charge. Windmills mounted on wooden towers, which are common to most farm houses in western Kansas, become so highly charged with static electricity that a person taking hold of the wire used to turn

the mill in or out of gear may receive a severe shock. Cook stoves have been known to be charged to such an extent that it was necessary for a housewife to use a cloth in taking hold of cooking utensils to prevent a shock. Barbs of wire on fences have been reported to have been illuminated by tiny lights at night due to discharge of this static electricity and reports have also been received of such electrical charges appearing on the horns of cattle and ears of mules.

These electrical phenomena during dust storms occur, of course, with no precipitation or indications of a thunderstorm and are not to be confused with "St. Elmo's fire."

So far as known, there is no tabulation of dust storms for any part of the country, though much was published concerning those of the 1930's. These were by no means confined to western Kansas and official reports indicate they were fully as severe in southeastern Colorado, western Oklahoma, the panhandle of Texas, and northern New Mexico, and extended with varying intensity to many other areas in the western plains.

In western Kansas, dust storms began to break out in the dry month of March 1932, were severe in March, April, and May, 1933, and reached their peak in April 1935, when dust was carried in the upper air to the Atlantic seaboard. They continued intermittently through the spring months of 1936, 1937, 1938, and 1939, but the advent of a wet cycle in 1940 practically ended them.

During several of the more severe of these occurrences of dust, total darkness began early in the afternoon in some western counties and chickens that were able to reach shelter went to roost as early as 4 p. m. In some cases all forms of travel, including trains and busses, were stopped and highways were closed.

Wheat, which was poorly rooted and had made inadequate top growth on account of lack of soil moisture, was greatly damaged and in some cases destroyed by soil blowing, though it is a fair question whether such wheat could have produced even a moderate crop had no blowing occurred.

Prolonged exposure to dust in areas where it was especially bad had a detrimental effect on the health of many persons. Dust masks by the thousands were made by Red Cross volunteer workers and distributed. The Medical Director of the Red Cross was quoted as saying that the death rate from pneumonia and other respiratory diseases had increased immensely and he was convinced that dust was primarily the cause. The State Board of Health reported that by the close of April 1935 seventeen deaths in Kansas had been traced to complications caused by dust. Of these, 14 were from pneumonia while suffocation was blamed for fatalities of three persons caught out in the open.

Reports of dust storms in Kansas prior to the 1930's were mostly confined to mention in local newspapers and occasionally a brief article in the Monthly Weather Review. Dr. James C. Malin, Professor of History at the University of Kansas, recently compiled from these sources one of the most extensive reports in existence, covering the period 1850-1900. This was published by the Kansas Historical Society in The Kansas Historical Quarterly, issues of May, August, and November, 1946.

Quotations from early reports published in these articles indicate that severe dust storms, possibly even equal in severity to those of the 1930's, occurred in western Kansas and adjacent sections of other states in the early years of settlement long before the soil was broken up by cultivation.

He cites accounts in newspapers of middle and eastern Kansas in the 1860's, 1870's and 1880's, describing dust so thick that visibility was limited to a few feet during daylight hours. While no reports of dust in the western third of the State for these early years are available, Dr. Malin considers the evidence, especially in the 1880's, justifies the conclusion that the dust came into the eastern part of the State from high elevations.

Published reports of the 1890's contain more specific data concerning dust. Dr. Malin quotes an account of a dust storm in some portions of eastern Colorado in April

1895 that caused a loss of 20 per cent of range stock. He mentions a statement of a traveler between Wellington and Harper, Kansas, apparently concerning the same storm, to the effect that "The train could hardly go through it and the darkness which it caused was like going through a tunnel."

He also quotes a report of a dust storm from Larned, Kansas, on April 22, 1895, as follows: "Drifts of sand six feet deep are piled up along the railroad tracks at the west line of the State. Horses and cattle that were caught in the terrific storm were smothered by the score. It is estimated that 5,000 head between Larned and Lamar, Colorado, were killed. One Gray County farmer lost 32 out of a bunch of 46 cattle."

Some of the conclusions of Dr. Malin after his period of research and outlined in the bulletin referred to are very illuminating. These are given in the following:

"The apparent increase in frequency to the present (1946) may mean the dust menace was becoming progressively worse, or it may mean the records are more complete.....The extent to which the dust material of these storms (in the 1870's and 1880's) originated west of the 100th meridian is conclusive in demonstrating the fact that the desert and the plains were always subject to wind erosion.....It may be that overgrazing the grasslands and the establishment of agriculture west of the 100th meridian did add to both frequency and severity—it may be, but it has not been proved.....These are matters about which no one is in position to be dogmatic. On one aspect of the problem, however, the writer is certain—both the frequency and severity of the dust storms were grossly misrepresented during the drought period of the 1930's, and the public and scientific world are badly informed about the whole subject."

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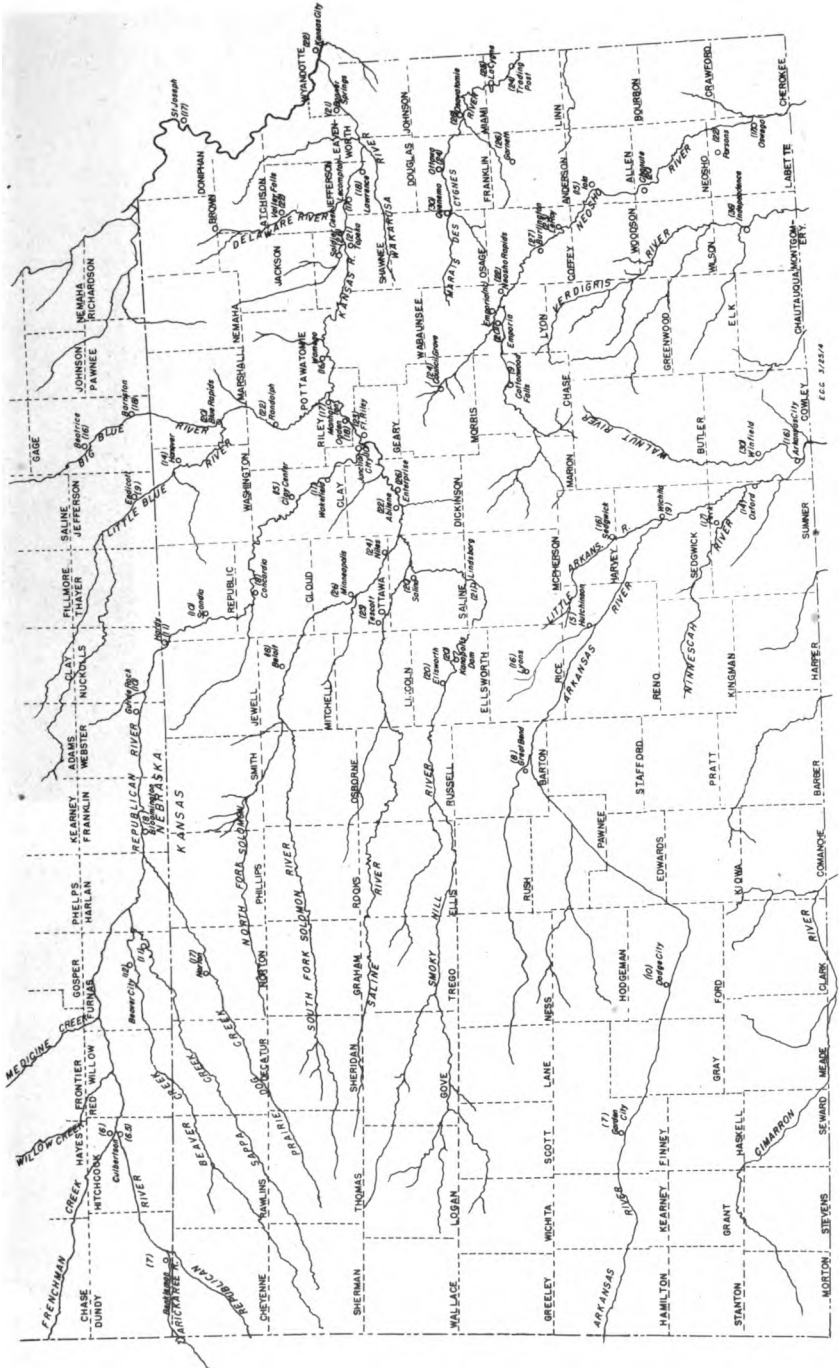


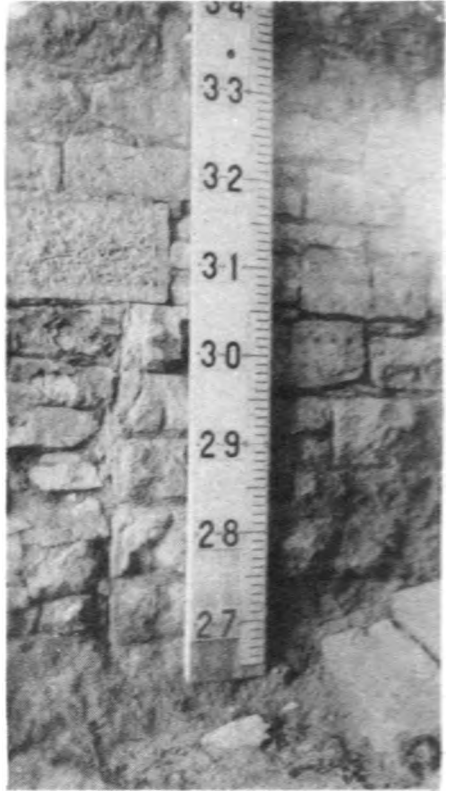
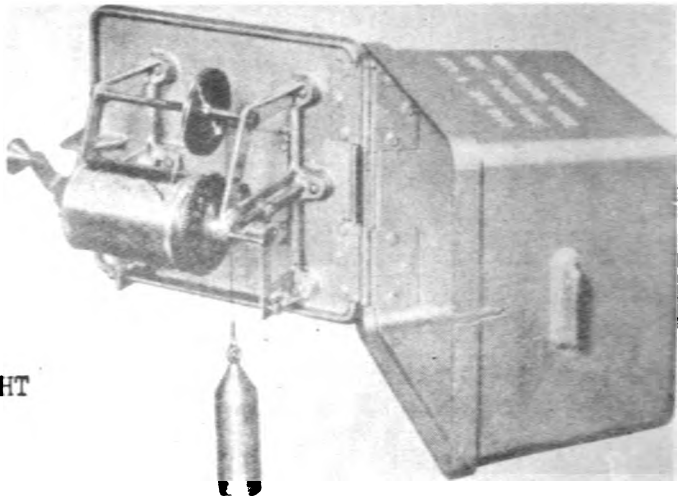
Trees and improved farming practices are insurance against serious soil movement.

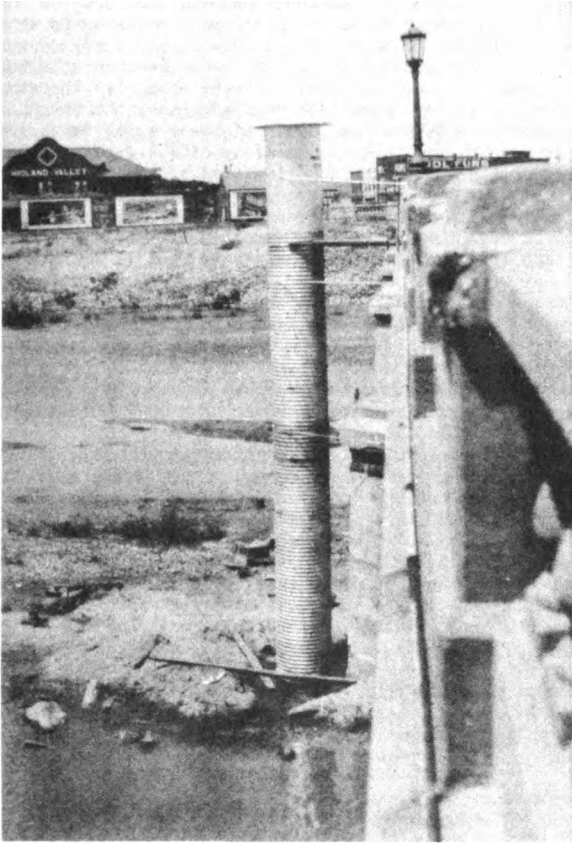


FLOOD OF 1903, TOPEKA, KANSAS

RIVERS AND RIVER GAGES
FIGURES ABOVE NAME OF STATION GIVE BANGULF STAGE



STAFF GAGE.**WIRE WEIGHT
GAGE.**



TOWER OF SELF REGISTERING RIVER GAGE, WICHITA, KANSAS.

An intake pipe maintains water in the tower at the same level as in the river. A self register in the housing at the top, actuated by a float on the water at the bottom, makes a continuous record of varying stages.

TYPES AND INSTALLATION OF RIVER GAGES

Three different types of river gages, shown on the pages immediately preceding, are commonly used to measure river stages.

The wire-weight gage, which is supplanting the now obsolete chain-and-weight gage, is in general use. Its metal housing is usually attached to the outside handrail of a bridge and fastened securely. In making a reading the observer unlocks this housing and opens the metal door to which the measuring apparatus is attached. By turning the drum, around which a flexible steel wire is attached, a cylindrical weight is lowered until its bottom touches water. A Veeder counter attached to the axis of the drum and an index rim that revolves with the drum give the stage in feet and hundredths of a foot. In the installation of the gage, the height of the check-bar above zero datum is carefully obtained by an engineer using a spirit level. This check-bar makes it possible to test the accuracy of the gage readily, provided the gage does not slip on its support or the elevation of the bridge does not change.

Staff gages are used mostly in high-water sections for ascertaining stages when the water is too high to read the wire-weight gage. They are usually graduated in feet and tenths of a foot and the level of the water is read directly from them.

Recording gages are established at points where it is necessary to keep a continuous record of stages. They are especially useful in furnishing a record of crests for rises of varying importance. Stages are recorded as a graph on a sheet of paper wrapped around a drum. A fresh roll of paper is sufficient for a year's record. The clock that turns the drums, one for the paper as it unrolls and one for preserving it after the record is made, is constructed so that it will run about 60 days after rewinding. From time to time the paper containing the record is removed, usually by an engineer who visits it periodically, and takes it to a center for extraction of the data.

All river stages are computed as heights above an arbitrary level, or zero datum, which is first determined by an engineer as slightly below the level to which the water is ever likely to fall. They do not necessarily give the depth of the river. A bankful stage, the stage when the river will overflow the lowest point in its banks in the vicinity of the gage, is also established for gages used by the Weather Bureau. Zero datum and bankful stages, as well as the height of the check-bar of the gage, are referred by levels to bench marks established in the vicinity and, when possible, the mean sea level of zero datum is ascertained. Existing high-water marks of floods previous to establishment of the gage are usually tied into the network of levels.

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FLOODS

Floods in Kansas are generally due to torrential and often prolonged rains. They are seldom caused by melting snow, except in the case of the Arkansas River, which on at least two occasions has flooded badly on account of melting snow and heavy rains near its source, in the mountains of Colorado.

Along the Kansas River and its tributaries, overflows are practically unknown during the winter season, November to February, inclusive, but several overflows have occurred along the Marais des Cygnes River and in streams in the southeastern part of the State during that period and a few have been severe.

Flood damage over the State has varied greatly from year to year, ranging from a few thousand dollars in some years in the dry 1930's to eight to fourteen million dollars in others, especially in 1927, 1941, and 1944.

Drainage areas of at least two of the State's rivers, the Kansas and the Arkansas, are immense, which contributes to conditions causing overflows. The Kansas drainage basin, 60,060 square miles, exceeds the area of any State east of the Mississippi and almost equals the area of the New England States combined. The Arkansas, above the Oklahoma line, has a drainage area of 45,276 square miles.

Overflows Prior to 1903

Few, if any, records or even definite high-water marks are available for floods during this period and accounts of them are more or less legendary.

The flood of June 1844 is, beyond reasonable doubt, the greatest ever known in the Kansas River, and along its tributaries, and on the Marais des Cygnes River. There are no known high-water marks of this flood left in the State nor any records of rainfall except at Ft. Leavenworth and Ft. Scott. At Leavenworth the total for May and June that year was 20.08 inches and at Ft. Scott, 27.43 inches. At Kansas City the crest of this flood on the Missouri was 38.0 feet, 3.0 feet above that of the next highest flood, in 1903.

Near Topeka two independent sources indicate that, according to Indian legend, the river covered the valley from bluff to bluff and the only ground appearing above the flood waters was a knoll later occupied by the residence of Mr. E. C. Kassebaum, near the Menoken station, four miles west of the city. This legend was reported from Indian sources by Mr. Kassebaum and also by Mr. George A. Root, official of the State Historical Society for 56 years. Mr. Root obtained this information about 1897 from talks with Indians on the Pottawatomie Reservation near Topeka.

Levels run in 1928 by an engineer, Mr. V. R. Parkhurst, from a high-water mark of the 1903 flood on the barn of Mr. Kassebaum to near the crown of the knoll occupied by his residence indicated the 1844 flood must have been about 9.5 feet higher than that of 1903, which would make its stage on the present Topeka gage datum 42.2 feet.

A corroboration of this is found in a booklet by F. W. Giles, "Thirty Years in Topeka," written in the 1880's, in which the statement is made that "The river's breadth (in 1844) was from the line of Third Street on the south of the bluffs—the water standing to a depth of 20 feet where in (what is now) the First Ward of Topeka (North Topeka) dwell 3,000 people." There has been some controversy about the possibility of fills having been made along Third Street, but Mr. Root, referred to in the foregoing, states that the level of Third Street, especially at Kansas Avenue, has not been raised more than the thickness of the pavement. Data furnished by the City Engineer gives the elevation of the lower part of the intersection of Third and Kansas as 43.4 feet on present gage datum. Allowing a foot for the pavement, this gives the probable crest of the 1844 flood at Topeka as 42.4 feet, which checks closely with the 42.2 feet obtained at Menoken.

At Manhattan, Mr. Z. R. Hook, Agent, Union Pacific Railway, who is probably the best informed man at that place concerning floods, states that, according to Indian legend, "The Big Water" of 1844 came to the present location of the college campus. The elevation of the southeast corner of the campus, which is its lowest point, is 40.0 feet above present gage datum, and 12.1 feet above the level of the 1903 flood.

There is also evidence in the annals of the Kansas State Historical Society, Vol. 8, 1903-08, page 178, indicating the flood of 1844 exceeded that of 1903 along the Solomon, Saline, and Smoky Hill Rivers.

The diary of Rev. Jotham Meeker, a missionary to the Indians, tells of a great overflow of the Marais des Cygnes in the vicinity of Ottawa, cresting on June 13 or 14, 1844.

Mr. Warren J. Sheldon, formerly Cooperative Observer at Ottawa, reports his father, who settled near that place in 1859, knew of a log left by this flood near the present intersection of 7th and Poplar Street, an elevation of 40 feet above present gage datum and 2.4 feet higher than the flood of 1928, the highest known since Ottawa was settled.

There are no records of a flood in 1844 along the Neosho or Arkansas Rivers.

Two other early floods of the Kansas River are mentioned by Giles in his "Thirty Years in Topeka." One, in July 1858, washed out the first bridge across the river at Topeka and another, on February 12, 1867, washed out a pontoon bridge constructed to replace the one washed out by the previous overflow. A third overflow, more serious than the latter, occurred at Topeka in May 1877.

There is a record at Burlington of a flood on the Neosho in July, 1885 which reached a crest of 35.2 feet on present gage zero datum, making it one of the greatest on record at that place. At Oswego there is a record of a flood in the same year that reached a crest of 25.2 feet on present gage datum, which is also close to the highest water ever known there.

At Wichita and Hutchinson there is a record of a damaging flood in May 1877. At Lindsborg there is a record of a crest of 33.1 feet in 1895, the second greatest of record.

Overflows, 1903-1945

(Along The Kansas River)

In the 43 years ending with 1945 this river has overflowed 25 times at Topeka and 29 times at Manhattan. The three greatest of these overflows occurred in 1903, 1908, and 1935.

In 1903

The flood of 1903 was, with the exception of that of 1844, the greatest of record along the Kansas River and was by far the most damaging, as in the 59 years that had elapsed since 1844 the valley had become rather thickly populated and much property, real and personal, was in the path of the flood waters. A contributing factor to the great losses was that this flood arrived with practically no warning.

It crested from May 29 at Manhattan to May 31 at Lawrence and stages reached were greater than those of any subsequent floods, except at Manhattan. The river was two to five miles wide from above Manhattan to Kansas City, flooding very productive farm land. Total damage above the latter place was estimated at \$10,425,000*, equal to at least \$20,000,000 at the present value of the dollar. Of this total, \$7,700,000 was to farm property, including crops, and \$2,725,000 to municipal property. Fifty-seven lives were lost, including 38 in Topeka. Thousands were left

homeless. In the two Kansas Cities, the total damage was placed at \$23,000,000* and the loss of life at 19.

North Topeka, a suburb of Topeka with a population near 8,000, was entirely covered by the flood waters, in some places to a depth of 10 feet or more.

In 1908

This was the second greatest overflow of the period from Topeka to below Lawrence and the third greatest at Manhattan and Wamego, with crest stages generally three to five feet below those of 1903. It crested from June 8 at Manhattan to June 9 at Topeka and Lawrence. Damage above Kansas City was estimated at \$5,145,300* of which \$4,000,000 was to farm property, including crops. No loss of life was reported. In the two Kansas Cities, the loss was placed at \$4,650,000*. Loss in the value of real estate in North Topeka as a result of this and the flood of 1903 was recognized by the County Commissioners after the waters had subsided by a decrease of almost half a million dollars in assessments for tax purposes.

In 1935

Crests of this flood occurred from June 3 at Ogden to June 6 at Bonner Springs. It was the second greatest, beginning with 1903, at Ogden and Wamego and slightly exceeded the crests of either the 1903 or the 1908 floods at Manhattan, where water from a record-breaking flood along the Republican reached that point at practically the same time as a crest from a great overflow along the Blue. At Topeka it failed to reach the high marks of either the 1903 or 1908 overflows and tended to flatten as it moved farther downstream. Total damage above Kansas City was estimated at \$1,623,500*, which was largely to farm property, including crops. No lives were lost.

(Along The Blue River)

Beginning with 1903 there have been 33 overflows of this river at Blue Rapids, where the longest record exists. Of these, the floods of 1903 and 1941 were the greatest, with overflows rather closely approaching them in 1908, 1935, 1944, and 1945.

In 1941

This was the greatest overflow of record along the Big Blue. It crested on June 10 and exceeded the height of the 1903 flood by 2.6 feet at Blue Rapids and a fraction of a foot at Randolph. At Hanover, on the Little Blue, it exceeded the 1903 mark by 3.1 feet. At Marysville the water rose swiftly on the night of June 9-10, flooding approximately a third of the city, the western and southern portions, with damage amounting to \$600,000. Total damage in Kansas was estimated at \$1,660,620, with \$370,380 additional in Nebraska.

In 1903

This flood crested May 31 at Randolph with the second highest water on record at that place and at Blue Rapids, and also at Hanover, on the Little Blue. Damage, excluding that at Manhattan, was estimated at \$750,000.

(Along The Republican River)

Beginning with 1903, 19 overflows of this river have been recorded at Concordia and 26 at Clay Center. The four most serious, in order of magnitude, were in 1935, 1915, 1903, and 1941.

In 1935

This was by far the greatest known flood along the Republican, exceeding that of 1915, the next greatest, by 3 to 5 feet in Kansas and exceeding any flood in 70 years

at Oxford, Nebraska by 12 feet. The total area covered from the Nebraska line to its mouth was computed as 125 square miles. It was primarily caused by torrential rains in northeastern Colorado. The crest moved with great speed across Cheyenne County, Kansas, through Nebraska, where damage totalled \$13,000,000, and thence to its mouth. In a little less than 24 hours this crest moved from Hardy, near the Nebraska line, to Clay Center, a distance of 103 miles along the river channel.

Nearly all bridges and many small buildings in its path were swept away. Damage from the Nebraska line to Junction City was estimated at \$2,120,000*. In Cheyenne County it totalled \$339,000*. Ten lives were lost in Kansas.

In 1915

This was the second greatest overflow of the Republican, cresting at Junction City on June 22. Damage was estimated at \$3,000,000, largely to agricultural interests and bridges. No lives were lost.

In 1903

This overflow was not especially a great one at and above Clay Center but was one of the greatest at Junction City, where it was increased by backwater from the Smoky Hill. It crested at the latter place on May 30. Damage was placed at \$600,000. Three lives were lost.

In 1941

This was the third greatest overflow at Concordia and the second greatest at Clay Center. It crested from June 9 at the Nebraska line to June 11 at Junction City. Damage was estimated at \$852,938 in Kansas and \$691,700 in Nebraska. No lives were lost.

(Along The Solomon River)

Frequent and occasionally great overflows have occurred in this river, but, as practically all towns along it are above high water, damage is confined to farm land, bridges, and highways. At Beloit there have been 68 overflows in the 28 years ending with 1945. At Niles, near its mouth, there were 21 overflows in the 27 years for which records are available.

The greatest overflows of record occurred in 1903, 1908, 1915, 1919, 1935, 1941, and along its lower reaches in 1942.

The overflow of 1903 was evidently the greatest of record since 1844, though its height is not known at Beloit. At that time the river was five miles wide for more than 40 miles above its mouth. Damage was estimated at \$800,000.

(Along The Smoky Hill River)

At Salina the river has risen to bankful, or higher, 17 times in the 19 years ending with 1945 and at Lindsborg 38 times in 43 years. The three greatest overflows of record are those of 1903, 1938, and 1941, with a serious overflow from Abilene to below Enterprise in 1945.

In 1903

This was the greatest overflow of record along the Smoky Hill below Ellsworth, although the overflows of 1938 and 1941 approached it very closely at Lindsborg and Salina. It crested on May 29 and 30 at those places. Damage began in Ellsworth County and was particularly heavy from Salina to Junction City. A number of towns were inundated and about 30 bridges damaged. Losses to farms and farm property, bridges, and livestock were estimated at \$1,443,000 and, in addition, heavy losses

were sustained by commercial interests. Three lives were lost.

In 1938

Crests of this flood occurred from June 1 at Ellsworth to June 5 at Salina, and it approached the 1903 level very closely in that stretch of the river. It extended only a short distance below Salina. The eastern part of Salina was flooded, with much damage to houses and sewers. Water reached the western suburbs of the city. Total damage was estimated at \$1,098,300*.

In 1941

This overflow approached or slightly exceeded the level of the 1938 flood from Lindsborg to Salina and exceeded the 1945 flood below the latter point. It crested October 20 in this stretch of the river. At Salina, where it was the second greatest overflow of record, 700 residences were damaged and the loss was placed at \$150,000*.

Damage along the Smoky Hill and the Saline, which latter also flooded badly at about the same time, was estimated at \$853,000*. A large per cent of this was to matured crops. Three lives were lost.

(Along The Marais des Cygnes River)

At Ottawa, the only city in Kansas along this river that is subject to serious damage from flooding, there have been 27 overflows in the 43 years ending with 1945. The four greatest overflows at that place and along the river generally occurred in 1844, 1928, 1944, and 1945.

In 1928

This was a record-breaking flood from the upper reaches of the river to the Missouri line. It crested on November 17 and 18. The total damage in Kansas was placed at \$1,948,000. Seven lives were lost. The greatest losses occurred in and near Ottawa. Seventy platted blocks of the city were covered by the flood waters. Five hundred and thirty-six buildings were damaged, 30 houses were washed away, and 40 others washed from their foundations. Altogether, the water reached approximately 150 acres of land within the city limits. Damage in the city, exclusive to railways, was estimated at \$343,000*.

In 1944

This flood crested April 23 to April 25 and lacked only a foot or two of reaching the level of the 1928 flood in most stretches of the river. At Ottawa, where it came within 1.1 feet of the 1928 flood, approximately 70 city blocks were flooded and damage was especially great in the business section. Damage along the stream in Kansas was estimated at \$923,000. No lives were lost.

In 1945

This overflow crested from April 16 to April 18 and rose to within a fraction of a foot of the 1944 flood level. Again the chief damage was in and near Ottawa, where a considerable part of the city, especially the business district, was flooded. The total damage in Kansas was estimated at \$812,200.

(Along The Cottonwood and Neosho Rivers)

Overflows have been more frequent in these streams than in any other of the important rivers of the State. Crests travel rather slowly and it is rare that one moves from the upper reaches to the Oklahoma line without material modification by local inflow. Only a few of the smaller towns along the river and the lower parts of Burlington, Iola, and Chamute are subject to overflow from the river itself.

At Emporia, on the Cottonwood, there have been 43 overflows in the 42-year period ending with 1945. Six occurred in 1927 and the same number in 1944. At Oswego, near the Oklahoma line, there have been 88 overflows in 41 years. Ten overflows occurred at this place in 1927 and eight in 1944.

Two of the greatest overflows occurred in 1944 and 1945, although at Neosho Rapids and Burlington the 1904 flood was the greatest and at Council Grove the highest water was in 1903. No other points along the river have records of a 1903 flood.

In 1944

Record-breaking, or near record-breaking stages, occurred along the length of the river, cresting from April 23 at Emporia to April 28 at Oswego. A total of 1,172,500 acres of crop land and 175,920 acres of pasture land was flooded. Railway and highway travel was interrupted for days. A survey, which was admittedly incomplete, indicated a loss of \$585,000 in the Cottonwood Basin and \$396,000 along the Neosho in the State.

In 1945

Crests of this overflow occurred from April 16 at Emporia to April 21 at Oswego and very nearly equalled those of the 1944 flood. The chief damage was to prospective crops but there were rather heavy losses to highways and bridges. The total was placed at \$1,074,050.

At Burlington

One of the most disastrous local overflows along the Neosho was at Burlington on May 31-June 1, 1941, when a downpour of 12.59 inches occurred. This overflow, however, was largely due to flooding of Rock Creek rather than the river proper. Ten per cent of the city, including the main business district was flooded, with a loss of \$45,000.

(Along The Arkansas River)

Overflowe of the Arkansas River, often called the Big Arkansas to distinguish it from the Little Arkansas, have been infrequent. The two greatest overflows, those of 1921 and 1942 were largely due to melting snows or excessively heavy rains in Colorado. In the lower reaches of the river, from Wichita to the Oklahoma line, a serious overflow occurred in 1923.

In 1921

This overflow was mostly due to water passing Pueblo, Colorado, in the great flood at that place. It crested from June 5 at the Colorado line to June 16 at Wichita. It flattened out greatly before reaching the latter place. A total of 103,300* acres of land was flooded. There was considerable flooding in Dodge City, Great Bend, and Hutchinson. Damage reported totalled \$888,600*.

In 1942

This was believed to have been the greatest overflow of the river between the Colorado Line and Hutchinson. It crested from April 27 at Syracuse to May 3 at Hutchinson. Like the 1921 flood, it flattened greatly before reaching Wichita. Some areas in Hutchinson were flooded continuously for three weeks. Width of the river at crest stages varied from 2 to 5 miles. Total damage was placed at \$1,061,500.

In 1923

This was the greatest overflow of record on the Little Arkansas at Sedgwick and on the Arkansas at Arkansas City and tied with the flood of 1927 at Wichita. It crested from June 9 to 11. Losses in Harvey, Sedgwick, and Cowley Counties total-

led \$12,652,750. The latter county is also partly in the basin of the Walnut River, which reached a record-breaking stage. At Wichita the flood was one of the three most serious experienced up to that time, covering six square miles. The two previous great floods at that place were in 1877 and 1904. Losses to real estate in Winfield totalled \$7,240,000. Two lives were lost at Arkansas City.

In 1944

The Little Arkansas overflowed very seriously at Wichita on April 22-24, flooding 2,000 homes, and almost reached Douglas Avenue. The estimated loss was \$5,000,000.

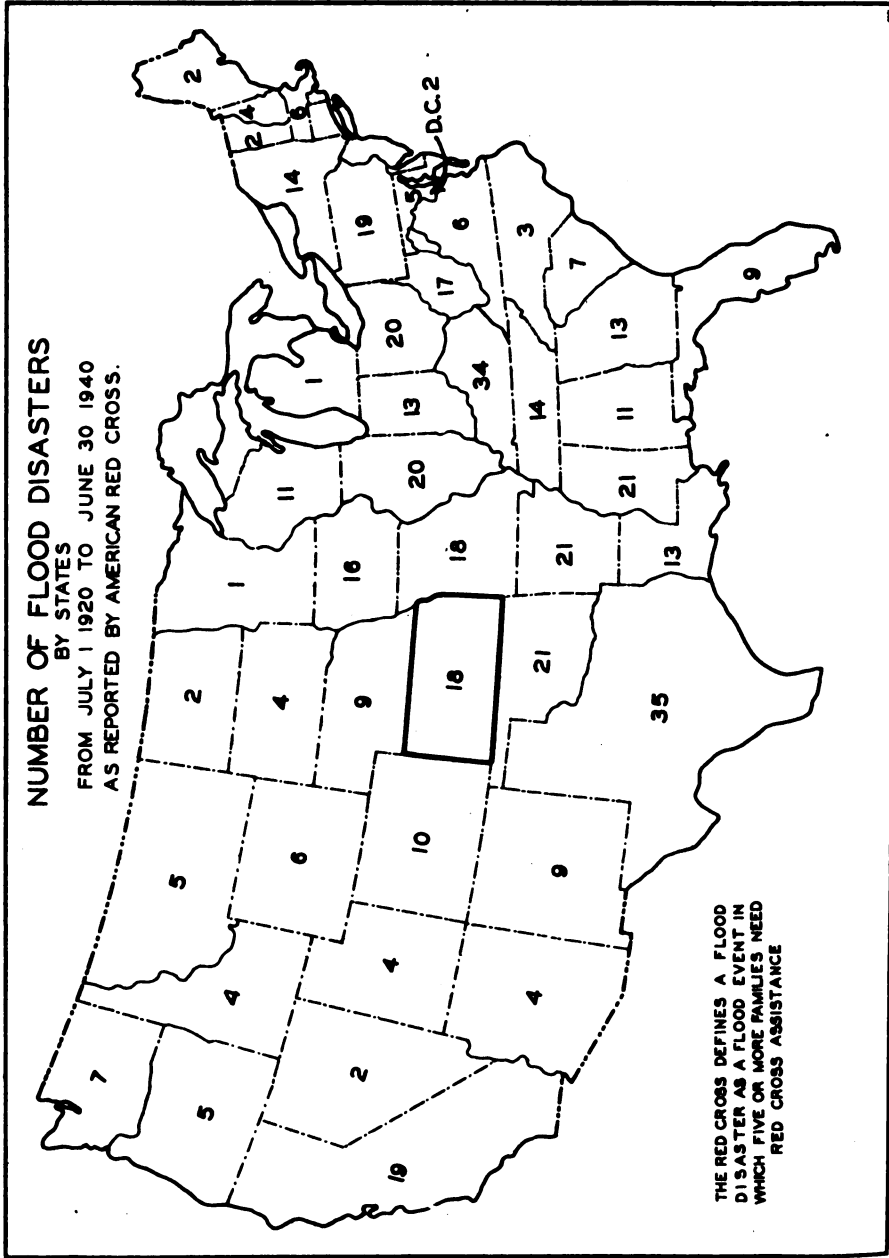
At about the same time as the Wichita flood the Walnut River at Winfield rose close to a record-breaking stage, with great overflows of Timber and Dutch Creeks, covering much of the city with water and resulting in damage estimated at \$2,000,000.

* From published report of Corps of Engineers, U. S. Army.

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FLOOD DAMAGE IN KANSAS

| Year | Estimated Total | Year | Estimated Total | Year | Estimated Total |
|------|-----------------|------|-----------------|------|-----------------|
| 1927 | \$9,874,910 | 1934 | \$ 15,500 | 1940 | \$ 156,000 |
| 1928 | 7,099,000 | 1935 | 8,599,525 | 1941 | 12,563,108 |
| 1929 | 6,298,650 | 1936 | 235,550 | 1942 | 4,273,440 |
| 1930 | 105,000 | 1937 | 235,500 | 1943 | 5,030,337 |
| 1931 | 24,650 | 1938 | 2,639,606 | 1944 | 14,000,000 |
| 1932 | 726,300 | 1939 | 149,950 | 1945 | 6,217,980 |
| 1933 | 207,500 | | | | |



CREST STAGES OF ALL RECORDED OVERFLOWSKANSAS RIVER

FORT RILEY, KANSAS, Flood Stage - 23 feet

(Gage readings cover period Feb. 1942 to Dec. 1945.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|--------|--------------|-----------------------------|------|-------|------|-------|------|
| 26.98* | June 3, 1935 | (Only high stage of record) | | | | | |

OGDEN, KANSAS, Flood Stage - 18 feet

(Gage readings cover period June 1917 to Dec. 1945.)

| | | | | | | | |
|--------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 28.5* | May -, 1903 | 28.03 | June 3, 1935 | 19.50 | June 16, 1943 | 18.80 | Aug. 26, 1944 |
| 23.33* | June 22, 1915 | 20.57 | June 12, 1941 | 18.25 | Apr. 23, 1944 | 19.40 | Apr. 16, 1945 |
| 18.15 | June 10, 1923 | 20.55 | Oct. 22, 1941 | 18.74 | May 3, 1944 | 18.50 | July 18, 1945 |

MANHATTAN, KANSAS, Flood Stage - 17 feet

(Gage readings cover period Aug. 1904 to June 1914 on Blue River at highway bridge and May 1921 to Dec. 1945 on Kansas River at Rock Island bridge.)

| | | | | | | | |
|--------|------------------|-------|------------------|-------|---------------|------|---------------|
| 40.0* | June -, 1844 | 27.95 | June 4, 1935 | 20.7 | Apr. 23, 1944 | 19.4 | May 16, 1945 |
| 20.26* | - -, 1902 | 23.5 | June 11, 1941 | 21.1 | May 3, 1944 | 21.7 | May 23, 1945 |
| 27.9* | May 29, 1903 | 21.2 | Oct. 10, 1941 | 19.4 | May 16, 1944 | 20.0 | May 28, 1945 |
| 24.8 | June 8, 1908 | 21.8 | Oct. 23, 1941 | 21.7 | May 23, 1944 | 18.0 | June 16, 1945 |
| 19.9 | June 13-14, 1908 | 18.0 | June 20, 1942 | 20.0 | May 28, 1944 | 18.0 | June 30, 1945 |
| 18.9 | June 21, 1908 | 18.5 | June 27, 1942 | 22.65 | Aug. 27, 1944 | 19.5 | July 19, 1945 |
| 20.26* | June -, 1915 | 20.2 | June 10-11, 1943 | 22.5 | Apr. 16, 1945 | 18.8 | July 27, 1945 |
| 18.0 | June 9, 1923 | 23.0 | June 16-17, 1943 | | | | |
| 18.2 | May 28, 1935 | | | | | | |

WAMEGO, KANSAS, Flood Stage - 16 feet

(Gage readings cover period June 1914 to Dec. 1945.)

| | | | | | | | |
|-------|--------------------|-------|---------------|-------|---------------|-------|--------------|
| 26.3* | May 29 or 30, 1903 | 23.79 | June 4, 1935 | 17.0 | Apr. 23, 1944 | 17.15 | May 16, 1945 |
| 23.0* | June -, 1908 | 21.88 | June 11, 1941 | 17.1 | May 3-4, 1944 | 19.58 | May 24, 1945 |
| 20.3 | June 20, 1915 | 18.24 | Oct. 10, 1941 | 19.77 | Aug. 27, 1944 | 17.91 | May 28, 1945 |
| 17.8 | Mar. 16, 1919 | 20.85 | June 17, 1943 | 19.28 | Apr. 17, 1945 | | |

TOPEKA, KANSAS, Flood Stage - 21 feet

(Gage readings cover period Aug. 1904 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|-------|------------------|-------|------------------|
| 42.2* | June -, 1844 | 21.55 | June 10, 1923 | 25.28 | June 11, 1943 | 24.57 | Apr. 17, 1945 |
| 32.7* | May 30, 1903 | 21.82 | Apr. 20, 1929 | 26.83 | June 17, 1943 | 21.12 | May 17, 1945 |
| 26.8* | July 7, 1904 | 21.90 | May 8, 1930 | 25.35 | Apr. 23, 1944 | 23.73 | May 24-25, 1945 |
| 28.0 | June 9, 1908 | 27.65 | June 5, 1935 | 22.0 | Apr. 26, 1944 | 21.33 | May 29, 1945 |
| 22.6 | June 11, 1915 | 25.84 | June 12, 1941 | 23.9 | May 3, 1944 | 22.60 | June 16-17, 1945 |
| 23.8 | June 20, 1915 | 24.64 | Oct. 10, 1941 | 24.1 | Aug. 27-28, 1944 | 22.34 | July 1, 1945 |
| 21.9 | July 17, 1915 | 24.47 | Oct. 21, 1941 | | | | |

LECOMPTON, KANSAS, Flood Stage - 17 feet

(Gage readings cover periods Jan. to Nov. 1896, Apr. 1899 to Dec. 1905, parts of 1906, and from March 1936 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 29.5* | May 31, 1903 | 19.51 | June 21, 1942 | 18.37 | Apr. 27, 1944 | 17.93 | May 17, 1945 |
| 22.7* | June 6, 1935 | 21.60 | June 11, 1943 | 20.38 | May 4, 1944 | 19.30 | May 25, 1945 |
| 20.98 | June 13, 1941 | 22.68 | June 17, 1943 | 19.64 | Apr. 27, 1944 | 19.91 | June 17, 1945 |
| 21.8 | Oct. 11, 1941 | 22.10 | Apr. 24, 1944 | 22.54 | Apr. 17, 1945 | 18.32 | July 1, 1945 |
| 20.76 | Oct. 21, 1941 | | | | | | |

* From high-water mark.

CREST STAGES OF ALL RECORDED OVERFLOWSKANSAS RIVER

LAWRENCE, KANSAS, Flood Stage - 18 feet

(Gage readings cover period June 1927 to Dec. 1945.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|-------|------------------|-------|---------------|-------|---------------|-------|---------------|
| 28.5* | May 31, 1903 | 22.1 | June 6, 1935 | 21.5 | June 11, 1943 | 19.0 | May 17, 1945 |
| 22.5* | - - 1904 | 21.5 | June 11, 1941 | 23.9 | June 18, 1943 | 19.8 | May 25, 1945 |
| 23.6* | June 9, 1908 | 20.3 | June 13, 1941 | 23.3 | Apr. 24, 1944 | 18.4 | May 28, 1945 |
| 21.0 | June 21, 1915 | 21.3 | Oct. 11, 1941 | 21.0 | May 4, 1944 | 20.1 | June 17, 1945 |
| 18.6 | Mar. 17, 1919 | 20.2 | Oct. 21, 1941 | 20.0 | Aug. 28, 1944 | 19.0 | July 1, 1945 |
| 19.0 | Aug. 20-21, 1929 | 19.3 | June 21, 1942 | 22.5 | Apr. 17, 1945 | | |

BONNER SPRINGS, KANSAS, Flood Stage - 21 feet

(Gage readings cover period July 1917 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 22.20 | Mar. 17, 1919 | 23.05 | June 6, 1935 | 25.23 | June 18, 1943 | 24.35 | Apr. 24, 1944 |
| 22.20 | Apr. 21, 1929 | 21.60 | Oct. 11, 1941 | 22.20 | Apr. 23, 1944 | 23.90 | Apr. 18, 1945 |

MISSOURI RIVER

KANSAS CITY, MISSOURI, Flood Stage - 22 feet

(Gage readings cover period 1877 to 1945.)

| | | | | | | | |
|-------|---------------|------|------------------|------|---------------|------|---------------|
| 38.0* | June 15, 1844 | 21.9 | July 8-9, 1899 | 22.1 | Apr. 16, 1913 | 22.3 | June 23, 1929 |
| 22.7 | June 10, 1877 | 23.2 | July 14, 1902 | 27.0 | June 21, 1915 | 23.9 | June 7, 1935 |
| 27.8 | Apr. 30, 1881 | 35.0 | June 1-2, 1903 | 29.0 | July 21, 1915 | 24.8 | June 13, 1941 |
| 24.5 | June 26, 1883 | 25.2 | July 8, 1904 | 26.4 | Aug. 1, 1915 | 24.2 | June 22, 1942 |
| 23.1 | July 1, 1891 | 23.0 | July 12, 1905 | 22.7 | June 3, 1917 | 29.1 | June 19, 1943 |
| 23.2 | May 15, 1892 | 23.5 | July 20-21, 1907 | 26.7 | June 9, 1917 | 27.6 | Apr. 24, 1944 |
| 25.0 | May 21, 1892 | 30.3 | June 15, 1908 | 22.6 | May 21, 1920 | 23.5 | May 4, 1944 |
| 22.4 | Apr. 19, 1897 | 27.0 | July 13, 1909 | 22.3 | June 28, 1924 | 22.3 | June 24, 1944 |
| 22.4 | Apr. 27, 1897 | 23.1 | Apr. 2, 1912 | 24.8 | Apr. 21, 1927 | 23.4 | Apr. 18, 1945 |
| 23.1 | Apr. 28, 1899 | 23.2 | Apr. 17, 1912 | 23.4 | June 5, 1929 | 25.3 | June 18, 1945 |

DELAWARE RIVER

VALLEY FALLS, KANSAS, Flood Stage - 22 feet

(Gage readings cover period June 1922 to Dec. 1945)

| | | | | | | | |
|--------|---------------|--------|---------------|-------|---------------|-------|---------------|
| 27.20* | May 27, 1915 | 23.13 | Nov. 17, 1931 | 22.40 | Oct. 21, 1941 | 25.2 | Apr. 23, 1944 |
| 29.72 | June 16, 1925 | 22.64# | May 21, 1935 | 22.04 | June 20, 1942 | 27.5 | May 3, 1944 |
| 22.02 | Oct. 7, 1927 | 23.96 | May 28, 1935 | 26.50 | June 9, 1943 | 24.65 | Apr. 16, 1945 |
| 28.41 | Apr. 19, 1929 | 26.6 | Oct. 9, 1941 | 24.20 | June 16, 1943 | 27.85 | June 16, 1945 |

LITTLE BLUE RIVER

HANOVER, KANSAS, Flood Stage - 14 feet

(Gage readings cover period Mar. 1940 to Dec. 1945.)

| | | | | | | | |
|--------|----------------|------|---------------|-------|---------------|-------|--------------|
| 21.94* | May - 1903 | 15.8 | Aug. 29, 1942 | 16.4 | June 4, 1944 | 18.60 | May 16, 1945 |
| 25.0 | June 10, 1941 | 20.0 | June 12, 1943 | 17.0 | June 14, 1944 | 18.75 | May 22, 1945 |
| 18.5 | Sept. 17, 1941 | 17.4 | June 16, 1943 | 15.55 | Apr. 25, 1945 | 19.70 | May 25, 1945 |
| 15.5 | Oct. 9, 1941 | | | | | | |

* From high-water mark.

Highest stage recorded; may not be crest.

CREST STAGES OF ALL RECORDED OVERFLOWSBIG BLUE RIVER

BLUE RAPIDS, KANSAS, Flood Stage - 20 feet

(Gage readings cover period Aug. 1904 to Dec. 1945.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|-------|----------------|-------|---------------|-------|----------------|-------|-----------------|
| 36.9* | May - , 1903 | 26.5 | June 18, 1915 | 29.80 | June 2-3, 1935 | 25.90 | June 14, 1944 |
| 34.0 | June 7-8, 1908 | 21.5 | May 14, 1916 | 21.0 | July 17, 1938 | 32.6 | Aug. 26, 1944 |
| 23.8 | June 13, 1908 | 20.2 | June 11, 1919 | 24.0 | Apr. 15, 1939 | 25.0 | Aug. 31, 1944 |
| 25.7 | June 20, 1908 | 20.6 | June 18, 1925 | 39.50 | June 10, 1941 | 25.98 | Apr. 16, 1945 |
| 20.2 | July 16, 1908 | 23.6 | Aug. 9, 1927 | 28.56 | Sep. 18, 1941 | 28.10 | May 14-15, 1945 |
| 24.0 | July 7, 1909 | 19.5 | May 8, 1930 | 21.90 | Oct. 9, 1941 | 32.75 | May 22, 1945 |
| 21.4 | June 9, 1910 | 20.8 | Sep. 25, 1931 | 31.34 | June 13, 1943 | 30.69 | May 27, 1945 |
| 24.6 | Mar. 21, 1912 | 24.88 | May 22, 1935 | 23.50 | June 4-5, 1944 | 22.80 | June 30, 1945 |
| 21.8 | Mar. 28, 1912 | | | | | | |

RANDOLPH, KANSAS, Flood Stage - 22 feet

(Gage readings cover period April 1918 to Dec. 1945.)

| | | | | | | | |
|--------|---------------|--------|---------------|-------|---------------|-------|---------------|
| 26.15* | July 10, 1902 | 22.15* | July 8, 1909 | 25.25 | June 3, 1935 | 28.18 | Aug. 26, 1944 |
| 30.6* | May 31, 1903 | 23.75* | Nov. 15, 1909 | 30.81 | June 10, 1941 | 24.37 | Apr. 16, 1945 |
| 26.75* | Aug. 26, 1903 | 22.35* | June 9, 1910 | 24.1 | Sep. 19, 1941 | 25.33 | Apr. 15, 1945 |
| 23.1* | May 29, 1908 | 24.0* | Mar. 21, 1912 | 28.0 | Oct. 9, 1941 | 26.73 | May 23, 1945 |
| 29.85* | June 7, 1908 | 22.38 | June 1, 1929 | 26.30 | June 16, 1943 | 26.16 | May 27, 1945 |
| 23.9* | June 12, 1908 | 22.79 | May 8, 1930 | | | | |

SOLOMON RIVER

BELOIT, KANSAS, Flood Stage - 18 feet

(Gage readings cover period Aug. 1904 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|--------|---------------|-------|---------------|
| 33.25 | June 20, 1908 | 22.5 | Sep. 8, 1927 | 20.30 | July 1, 1935 | 18.88 | Nov. 20, 1941 |
| 32.40 | June 19, 1915 | 21.0# | June 20, 1928 | 23.00 | Sep. 3, 1935 | 21.0 | May 4, 1942 |
| 18.4# | July 7, 1915 | 22.6# | June 26, 1928 | 19.65# | Sep. 10, 1935 | 22.37 | June 26, 1942 |
| 20.3# | July 31, 1915 | 20.2# | July 10, 1928 | 22.15 | May 12, 1936 | 21.53 | Aug. 16, 1942 |
| 20.0# | May 27, 1917 | 23.8# | July 15, 1928 | 18.70# | Sep. 28, 1936 | 22.27 | Sep. 5, 1942 |
| 26.5# | June 3, 1918 | 24.2 | July 21, 1928 | 20.97 | June 6, 1937 | 24.81 | June 13, 1943 |
| 23.7 | June 12, 1919 | 28.8 | Aug. 2, 1928 | 21.53 | May 27, 1938 | 27.83 | June 18, 1943 |
| 33.60 | Sep. 20, 1919 | 26.40 | June 8, 1929 | 21.18 | June 3, 1938 | 21.06 | Apr. 25, 1944 |
| 28.8 | May 25, 1923 | 20.36 | May 6, 1931 | 18.55 | July 27, 1939 | 29.06 | May 4, 1944 |
| 24.4# | June 12, 1923 | 18.48 | Sep. 13, 1932 | 27.65 | Aug. 16, 1939 | 24.66 | June 21, 1944 |
| 21.0# | July 15, 1926 | 18.6 | Apr. 23, 1933 | 35.87 | June 11, 1941 | 20.65 | July 27, 1944 |
| 27.4 | Sep. 17, 1926 | 24.5 | June 19, 1934 | 18.20 | June 25, 1941 | 20.82 | Aug. 31, 1944 |
| 28.9# | Apr. 16, 1927 | 22.26 | May 21, 1935 | 24.4 | June 29, 1941 | 21.21 | Sep. 1, 1944 |
| 25.2# | June 7, 1927 | 25.50 | May 30, 1935 | 29.0 | Sep. 5, 1941 | 23.51 | May 23, 1945 |
| 23.0 | June 16, 1927 | 34.50 | June 3, 1935 | 24.65 | Sep. 16, 1941 | 20.30 | June 27, 1945 |
| 18.8# | Aug. 18, 1927 | 28.40 | June 19, 1935 | 26.27 | Oct. 10, 1941 | 19.81 | July 5, 1945 |
| 24.5 | Aug. 25, 1927 | 21.0 | June 29, 1935 | 20.94 | Oct. 20, 1941 | 27.83 | July 19, 1945 |

MINNEAPOLIS, KANSAS, Flood Stage - 26 feet

(Gage readings cover period Feb. 1943 to Dec. 1945.)

| | | | | | | | |
|--------|----------|--------|----------|--------|-------------|-------|---------------|
| 32.02* | - - 1903 | 31.41* | - - 1935 | 31.50* | - - 1942 | 28.49 | May 22, 1945 |
| 31.59* | - - 1915 | 31.68* | - - 1941 | 27.11# | May 7, 1944 | 27.0 | June 16, 1945 |

MILES, KANSAS, Flood Stage - 24 feet

(Gage readings cover period May 1919 to Dec. 1945. All readings reduced to zero datum of 1945.)

| | | | | | | | |
|--------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 33.8** | June 3, 1903 | 26.67 | June 12, 1929 | 27.90 | Oct. 14, 1941 | 25.40 | June 22, 1943 |
| 27.25 | Sep. 26, 1919 | 29.75 | June 7, 1935 | 24.4 | Oct. 23, 1941 | 27.60 | May 9, 1944 |
| 26.66 | June 11, 1923 | 26.79 | June 24, 1935 | 27.86 | June 19, 1942 | 27.93 | May 25, 1945 |
| 27.05 | June 20, 1927 | 29.10 | June 17, 1941 | 30.24 | Sep. 4, 1942 | 24.83 | June 18, 1945 |
| 26.38 | July 3, 1928 | 24.7 | Sep. 10, 1941 | 27.01 | June 17, 1943 | 27.25 | July 21, 1945 |
| 27.53 | Aug. 9, 1928 | | | | | | |

* From high-water mark. # Highest stage recorded; may not be crest.

**From an old gage, exact datum of which is not known definitely.

CREST STAGES OF ALL RECORDED OVERFLOWSREPUBLICAN RIVER

HARDY, NEBRASKA, Flood Stage - 11 feet

(Gage readings cover period May 1932 to Dec. 1945.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|-------|---------------|-------|--------------|-------|---------------|-------|---------------|
| 19.4 | June 2, 1935 | 13.45 | June 9, 1941 | 11.1 | June 25, 1942 | 11.25 | July 17, 1945 |
| 13.19 | June 19, 1935 | | | | | | |

SCANDIA, KANSAS, Flood Stage - 10 feet

(Gage readings cover periods Aug. 1919 to July 1925 and Aug. 1928 to Dec. 1945.)

| | | | | | | | |
|--------|---------------|--------|---------------|-------|---------------|--------|---------------|
| 14.20* | June 20, 1915 | 11.30# | June 19, 1935 | 11.10 | June 25, 1942 | 10.87# | May 14, 1945 |
| 11.4# | June 12, 1923 | 13.52 | June 9, 1941 | 12.21 | Aug. 26, 1942 | 10.75 | July 17, 1945 |
| 17.8 | June 2, 1935 | 10.60# | Sep. 15, 1941 | 11.2# | Sep. 4, 1942 | | |

CONCORDIA, KANSAS, Flood Stage - 8 feet

(Gage readings cover period April 1930 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|------|---------------|--------|---------------|------|---------------|
| 10.9* | - - 1903 | 9.55 | May 28, 1935 | 8.40 | June 25, 1942 | 9.9# | June 12, 1943 |
| 13.2* | - - 1915 | 17.0 | June 2, 1935 | 8.80 | Aug. 26, 1942 | 8.54 | Aug. 26, 1944 |
| 8.5 | June 6, 1930 | 10.4 | June 20, 1935 | 8.90 | Sep. 4, 1942 | 9.7 | May 14, 1945 |
| 8.2 | Oct. 15, 1930 | 11.8 | June 9, 1941 | 11.80# | Feb. 4, 1943 | 8.12 | July 17, 1945 |
| 8.3 | May 5, 1931 | 8.22 | Sep. 15, 1941 | 8.2 | Apr. 12, 1943 | | |

CLAY CENTER, KANSAS, Flood Stage - 15 feet

(Gage readings cover period Feb. 1934 to Dec. 1945.)

| | | | | | | | |
|--------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 18.35* | - - 1903 | 15.9 | June 14, 1942 | 16.29 | May 3, 1944 | 20.82 | May 22, 1945 |
| 20.2* | - - 1915 | 16.4 | June 26, 1942 | 16.06 | July 25, 1944 | 15.66 | June 8, 1945 |
| 25.74* | June 3, 1935 | 15.37 | Aug. 27, 1942 | 18.38 | Aug. 26, 1944 | 17.10 | June 16, 1945 |
| 17.2# | June 21, 1935 | 16.69 | Sep. 5, 1942 | 16.38 | Aug. 31, 1944 | 16.08 | July 1, 1945 |
| 15.78 | May 17, 1938 | 15.86 | Apr. 13, 1943 | 16.43 | Apr. 16, 1945 | 16.57 | July 18, 1945 |
| 21.08 | June 10, 1941 | 17.8 | June 13, 1943 | 18.97 | May 15, 1945 | 18.37 | July 26, 1945 |
| 16.9 | Oct. 9, 1941 | 18.70 | June 16, 1943 | | | | |

WAKEFIELD, KANSAS, Flood Stage - 11 feet

(Gage readings cover period July 1941 to Dec. 1945. An earlier record was made with a gage whose zero datum is not known.)

| | | | | | | | |
|--------|--------------|--------|---------------|-------|--------------|--------|---------------|
| 18.8* | - - 1915 | 12.72# | June 16, 1943 | 11.51 | May 15, 1945 | 11.11# | June 15, 1945 |
| 21.8* | - - 1935 | 11.95 | Aug. 26, 1944 | 13.75 | May 22, 1945 | 11.22 | July 27, 1945 |
| 12.51# | Oct. 9, 1941 | | | | | | |

JUNCTION CITY, KANSAS, Flood Stage - 10 feet

(Gage record by USWB covers period May 1941 to Dec. 1945 but gage readings were made by other agencies prior to that time.)

| | | | | | | | |
|-------|---------------|------|---------------|------|------------------|------|--------------|
| 16.58 | May 30, 1903 | 14.7 | June 11, 1941 | 12.5 | June 16-17, 1943 | 10.6 | May 16, 1945 |
| 15.8 | June 22, 1915 | 11.2 | Oct. 9, 1941 | 11.0 | Aug. 26, 1944 | 12.7 | May 23, 1945 |
| 18.17 | June 3, 1935 | | | 11.4 | Apr. 16, 1945 | | |

* From high-water mark.

Highest stage recorded; may not be crest.

BEST STAGES OF ALL RECORDED OVERFLOWSSMOKY HILL RIVER

ELLSWORTH, KANSAS, Flood Stage - 20 feet

(Gage readings cover period July 1918 to Dec. 1945.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|-------|---------------|-------|--------------|-------|--------------|-------|---------------|
| 25.5* | May -, 1912 | 22.0 | Aug. 4, 1928 | 27.2 | June 1, 1938 | 20.65 | June 19, 1942 |
| 25.7 | Aug. 13, 1927 | 21.03 | May 12, 1929 | 21.14 | Sep. 2, 1941 | | |

LINDSBORG, KANSAS, Flood Stage - 21 feet

(Gage readings cover periods Aug. 1904 to Sep. 1923 and Feb. 1930 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|--------|---------------|-------|---------------|-------|------------------|
| 33.1* | - - 1895 | 31.3* | Aug. -, 1927 | 25.35 | June 21, 1935 | 25.96 | Apr. 26, 1942 |
| 33.9* | May -, 1903 | 21.5 | May 7, 1930 | 25.83 | June 30, 1935 | 27.95 | June 21, 1942 |
| 24.0 | July 2, 1905 | 23.60 | June 7, 1930 | 32.55 | June 3, 1938 | 21.79 | Sep. 4, 1942 |
| 27.2# | June 15, 1909 | 21.5 | Sep. 15, 1932 | 23.1 | June 16, 1938 | 20.9 | Oct. 4, 1942 |
| 21.3# | June 24, 1909 | 23.88 | Aug. 24, 1933 | 24.50 | June 13, 1941 | 22.40 | Apr. 23-24, 1944 |
| 22.9# | May 12, 1912 | 21.47 | June 20, 1934 | 20.0 | Aug. 25, 1941 | 25.39 | May 6, 1944 |
| 21.5# | June 14, 1916 | 23.05 | May 23, 1935 | 28.28 | Sep. 4, 1941 | 21.95 | Apr. 16, 1945 |
| 22.6# | Aug. 17, 1917 | 21.65# | May 29, 1935 | 32.46 | Oct. 20, 1941 | 24.05 | May 24, 1945 |
| 21.4 | Apr. 27, 1922 | 21.50 | June 5, 1935 | 22.9 | Apr. 23, 1942 | 21.78 | June 27, 1945 |
| 21.2# | June 11, 1923 | 21.20# | June 16, 1935 | | | | |

SALINA, KANSAS, Flood Stage 20 feet

(Gage readings cover period Feb. 1929 to Dec. 1945.)

| | | | | | | | |
|--------|----------------|-------|---------------|-------|---------------|-------|---------------|
| 24.64* | May 30, 1903 | 21.7 | July 2, 1935 | 20.8 | June 15, 1941 | 22.05 | Apr. 28, 1942 |
| 22.77* | Aug. 19, 1927 | 20.0 | July 5, 1935 | 22.7 | Sep. 6, 1941 | 22.65 | June 23, 1942 |
| 22.67* | Aug. 8-9, 1928 | 23.23 | June 5, 1938 | 24.25 | Oct. 20, 1941 | 22.05 | May 8, 1944 |
| 22.60 | May 16, 1929 | 20.6# | June 17, 1938 | 20.00 | Apr. 4, 1942 | 20.25 | May 25, 1945 |
| 20.55 | June 23, 1935 | 22.7 | Sep. 6, 1941 | | | | |

ARILENE, KANSAS, Flood Stage - 22 feet

(Gage readings cover period Aug. 1904 to Sep. 1922, with occasional readings of high crests to March 1945. After that date all high crests were reported.)

Note: Following are actual gage readings. Crests 1908 to 1939 are .341 foot too high and those of subsequent years are .422 foot too high on account of inaccuracy of gages used.

| | | | | | | | |
|-------|------------------|------|---------------|------|---------------|------|---------------|
| 27.3* | May 29, 1903 | 23.5 | Aug. 21, 1927 | 24.4 | Sep. 7, 1941 | 24.6 | May 9, 1944 |
| 24.0 | June 11, 1908 | 24.3 | Aug. 10, 1928 | 25.1 | Oct. 20, 1941 | 24.8 | Apr. 17, 1945 |
| 23.3 | June 25-26, 1915 | 24.3 | June -, 1935 | 24.4 | June 25, 1942 | 24.9 | May 26, 1945 |
| 21.8 | July 22, 1915 | 22.9 | June 6, 1938 | 22.8 | June 17, 1943 | 24.1 | July 18, 1945 |
| 22.2 | Aug. 5, 1915 | 24.5 | June 18, 1941 | 23.6 | Apr. 25, 1944 | | |

ENTERPRISE, KANSAS, Flood Stage - 26 feet

(Gage readings cover period Nov. 1934 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 32.0* | May -, 1903 | 27.23 | July 5, 1935 | 28.45 | June 25, 1942 | 28.72 | Apr. 16, 1945 |
| 29.1 | Aug. 10, 1928 | 27.45 | June 19, 1941 | 29.60 | Sep. 7, 1942 | 27.05 | May 27, 1945 |
| 29.12 | June 9, 1935 | 26.85 | Sep. 9, 1941 | 26.36 | Apr. 27, 1944 | 29.76 | July 18, 1945 |
| 25.80 | June 26, 1935 | 30.2 | Oct. 20, 1941 | 27.70 | May 10, 1944 | | |

* From high-water mark.

Highest stage recorded; may not be crest.

GREAT STAGES OF ALL RECORDED OVERFLOWSSALINE RIVER

TESCOTT, KANSAS, Flood Stage - 25 feet

(Gage readings cover period Sep. 1919 to Dec. 1945.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|-------|------------------|-------|--------------|-------|---------------|-------|--------------|
| 27.89 | June 19, 1927 | 29.57 | June 3, 1935 | 29.18 | June 15, 1941 | 29.30 | Sep. 3, 1942 |
| 29.51 | Aug. 17-18, 1927 | 29.35 | July 1, 1935 | 27.39 | Sep. 7, 1941 | 26.73 | May 7, 1944 |
| 29.48 | July 12, 1928 | 26.43 | May 20, 1938 | 25.68 | Oct. 22, 1941 | 27.99 | May 23, 1945 |
| 29.48 | Aug. 4, 1928 | 28.93 | June 4, 1938 | 26.33 | June 20, 1942 | 28.24 | July 1, 1945 |

WALNUT RIVER

WINFIELD, KANSAS, Flood Stage - 30 feet

(Gage readings cover period Nov. 1921 to Dec. 1945. Gage record used jointly by USWB and USGS.)

| | | | | | | | |
|--------|---------------|--------|---------------|-------|---------------|-------|---------------|
| 31.63# | July 13, 1922 | 30.67# | Apr. 9, 1927 | 40.61 | Nov. 18, 1928 | 31.50 | Dec. 7, 1944 |
| 38.70 | June 10, 1923 | 33.88 | Apr. 20, 1927 | 33.53 | May 20, 1943 | 35.93 | Apr. 17, 1945 |
| 32.88# | Oct. 4, 1926 | 32.37 | June 19, 1928 | 38.30 | Apr. 23, 1944 | 34.83 | Sep. 30, 1945 |

COTTONWOOD RIVER

EMPORIA, KANSAS, Flood Stage - 20 feet

(Gage readings cover period Nov. 1908 to Dec. 1945. All readings reduced to present zero datum.)

| | | | | | | | |
|-------|------------------|-------|---------------|--------|---------------|-------|---------------|
| 27.1* | July 5, 1904 | 25.1 | June 10, 1923 | 22.8 | July 9, 1932 | 25.0 | Oct. 22, 1941 |
| 22.0# | July 12, 1909 | 25.9 | Sep. 13, 1926 | 21.4# | May 30, 1935 | 23.60 | June 26, 1942 |
| 24.5# | Jan. 14, 1910 | 24.1# | Oct. 5, 1926 | 20.0# | June 4, 1935 | 21.50 | Mar. 17, 1944 |
| 23.6# | May 22, 1915 | 20.3# | Apr. 2, 1927 | 21.0 | May 7, 1938 | 22.40 | Mar. 24, 1944 |
| 22.4# | May 31, 1916 | 23.5# | Apr. 16, 1927 | 20.6# | May 13, 1938 | 24.60 | Apr. 11, 1944 |
| 21.0# | June 9, 1916 | 24.0 | Apr. 20, 1927 | 24.4 | May 24, 1938 | 27.70 | Apr. 23, 1944 |
| 24.5# | June 14-15, 1916 | 22.7 | May 8-9, 1927 | 24.55# | June 2, 1941 | 22.20 | May 6, 1944 |
| 23.6# | June 22, 1916 | 24.5# | June 22, 1927 | 24.4 | June 11, 1941 | 26.0 | Dec. 6, 1944 |
| 20.2# | Nov. 9, 1918 | 22.5 | Aug. 19, 1927 | 21.15 | Aug. 26, 1941 | 27.40 | Apr. 16, 1945 |
| 22.2# | Mar. 18, 1919 | 27.0 | Nov. 17, 1928 | 25.43 | Sep. 7, 1941 | 25.20 | Oct. 1, 1945 |
| 22.9# | Apr. 11, 1922 | 25.5 | July 12, 1929 | 23.35 | Oct. 15, 1941 | | |

NEOSHO RIVER

COUNCIL GROVE, KANSAS, Flood Stage - 24 feet

(Gage readings cover period Nov. 1938 to Dec. 1945.)

| | | | | | | | |
|--------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 37.3* | - - , 1903 | 24.0 | June 9, 1941 | 28.20 | June 16, 1943 | 25.1 | Dec. 5, 1944 |
| 36.3* | July 5, 1932 | 37.13 | Oct. 20, 1941 | 24.37 | Apr. 22, 1944 | 26.37 | Apr. 16, 1945 |
| 35.30* | June 11, 1938 | 25.80 | June 19, 1942 | 30.00 | May 3, 1944 | | |

NEOSHO RAPIDS, KANSAS, Flood Stage - 22 feet

(Gage readings cover period Sep. 1904 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|--------|---------------|--------|---------------|
| 29.5* | July 7, 1904 | 23.1# | July 6, 1923 | 23.7 | May 30, 1935 | 22.74 | June 26, 1942 |
| 26.3# | June 14, 1908 | 24.6# | Sep. 14, 1926 | 25.8 | June 4, 1935 | 25.10 | June 17, 1943 |
| 27.4# | July 11, 1909 | 23.9# | Oct. 6, 1926 | 24.2 | May 21, 1938 | 22.48# | Mar. 17, 1944 |
| 22.5# | Jan. 15, 1910 | 23.6# | Apr. 17, 1927 | 22.6# | June 13, 1938 | 25.85 | Apr. 12, 1944 |
| 22.7# | May 22, 1915 | 25.8 | Apr. 20, 1927 | 25.37 | June 3, 1941 | 28.20 | Apr. 23, 1944 |
| 22.0# | June 16, 1916 | 23.4# | June 2, 1928 | 25.80# | June 11, 1941 | 23.5 | May 4, 1944 |
| 22.9# | June 22, 1916 | 27.3 | Nov. 18, 1928 | 24.70 | Aug. 27, 1941 | 27.60 | Dec. 6, 1944 |
| 24.8# | Mar. 18, 1919 | 25.7 | May 13, 1929 | 23.74 | Sep. 10, 1941 | 28.0 | Apr. 16, 1945 |
| 24.2# | Apr. 11, 1922 | 25.1 | July 14, 1929 | 26.33 | Oct. 15, 1941 | 24.58 | Oct. 2, 1945 |
| 26.8# | June 11, 1923 | 28.0 | July 6, 1932 | 28.1 | Oct. 21, 1941 | | |

* From high-water mark.

Highest stage recorded; may not be crest.

CREST STAGES OF ALL RECORDED OVERFLOWSNEOSHO RIVER

BURLINGTON, KANSAS, Flood Stage - 27 feet

(Gage readings cover period Feb. 1942 to Dec. 1945.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|--------|------------------|-------|-----------------|-------|------------------|-------|---------------|
| 35.2* | - - , 1885 | 32.5# | July 8, 1932 | 31.4# | June 12-13, 1941 | 32.05 | Apr. 13, 1944 |
| 35.19* | - - , 1904 | 27.8# | May 28-29, 1935 | 30.4# | Aug. 28, 1941 | 35.12 | Apr. 24, 1944 |
| 33.5* | - - , 1926 | 27.1# | June 1, 1935 | 29.8# | Sep. 11-12, 1941 | 34.30 | Dec. 6, 1944 |
| 34.91* | - - , 1927 | 29.9# | June 6, 1935 | 31.2# | Oct. 17, 1941 | 27.70 | Mar. 24, 1945 |
| 29.3# | June 4, 1928 | 28.4# | May 20, 1938 | 33.5# | Oct. 22, 1941 | 35.1 | Apr. 17, 1945 |
| 34.9# | Nov. 18-19, 1928 | 31.8# | May 23, 1938 | 27.15 | June 19, 1943 | 28.17 | June 30, 1945 |
| 29.6# | May 14, 1929 | 31.4# | June 1, 1941 | 27.40 | Mar. 18, 1944 | 31.09 | Oct. 3, 1945 |
| 31.2# | July 16, 1929 | | | | | | |

LE ROT, KANSAS, Flood Stage - 23 feet

(Gage readings cover period Nov. 1908 to Feb. 1942 and Aug. 1944 to Dec. 1945.)

| | | | | | | | |
|-------|------------------|-------|---------------|--------|-----------------|-------|---------------|
| 26.3# | July 14, 1909 | 26.1# | Mar. 25, 1922 | 23.0# | May 10-11, 1930 | 23.90 | Sep. 12, 1941 |
| 23.0# | Jan. 16-17, 1910 | 27.4# | Apr. 9, 1922 | 25.4 | Nov. 24, 1931 | 24.67 | Oct. 17, 1941 |
| 23.4# | Mar. 29, 1912 | 27.3# | June 12, 1923 | 25.5 | July 9-10, 1932 | 26.47 | Oct. 23, 1941 |
| 24.6# | May 11, 1912 | 29.6# | Sep. 12, 1926 | 25.47 | May 29, 1935 | 23.75 | Nov. 1, 1941 |
| 23.1# | Apr. 27, 1915 | 26.1# | Oct. 4, 1926 | 24.90 | June 2, 1935 | 29.7 | Apr. 24, 1944 |
| 26.1# | May 21, 1915 | 23.5# | Apr. 15, 1927 | 25.0 | May 12-13, 1938 | 25.5 | Apr. 30, 1944 |
| 23.1# | May 28, 1915 | 27.3 | Apr. 19, 1927 | 27.79 | May 23, 1938 | 27.48 | Dec. 7, 1944 |
| 23.8# | June 12, 1915 | 25.1# | June 19, 1927 | 23.64 | May 30, 1938 | 25.52 | Mar. 25, 1945 |
| 24.5# | Sep. 8, 1915 | 26.0# | Oct. 2, 1927 | 25.32 | June 1, 1938 | 29.20 | Apr. 17, 1945 |
| 23.0# | Sep. 16, 1915 | 25.1 | June 2, 1928 | 22.70 | Jan. 17, 1941 | 25.53 | July 1, 1945 |
| 23.0# | May 30, 1916 | 24.0 | June 17, 1928 | 28.48 | June 1, 1941 | 23.32 | Sep. 29, 1945 |
| 27.1# | June 12, 1916 | 28.0 | Nov. 19, 1928 | 25.35# | June 10, 1941 | 24.83 | Oct. 1, 1945 |
| 25.6# | June 20, 1916 | 23.3# | May 15, 1929 | 24.82 | Aug. 27, 1941 | 24.81 | Oct. 4, 1945 |
| 23.4 | Mar. 19-20, 1919 | 24.7# | July 17, 1929 | | | | |

IOLA, KANSAS, Flood Stage - 15 feet

(Gage readings cover period Feb. 1922 to Dec. 1945.)

| | | | | | | | |
|-------|----------------|-------|---------------|--------|---------------|-------|---------------|
| 20.1* | May 24, 1896 | 17.1# | June 4, 1928 | 20.40 | June 3, 1941 | 20.70 | May 19, 1943 |
| 22.0* | June 3, 1903 | 16.5 | June 18, 1928 | 17.40# | June 12, 1941 | 17.45 | June 24, 1943 |
| 18.4# | Mar. 26, 1922 | 21.0 | Nov. 20, 1928 | 17.0# | June 15, 1941 | 17.65 | Mar. 19, 1944 |
| 19.2# | Apr. 10, 1922 | 15.9 | July 18, 1929 | 17.40 | Aug. 27, 1941 | 19.27 | Apr. 12, 1944 |
| 19.5 | June 15, 1923 | 16.4# | Nov. 24, 1931 | 20.50 | Sep. 6, 1941 | 22.65 | Apr. 25, 1944 |
| 23.5 | Sep. 13, 1926 | 16.2 | July 11, 1932 | 16.26# | Oct. 18, 1941 | 21.10 | Dec. 8, 1944 |
| 18.0# | Oct. 5-6, 1926 | 18.80 | May 28, 1935 | 20.00 | Oct. 26, 1941 | 17.55 | Mar. 26, 1945 |
| 15.6# | Apr. 9, 1927 | 17.6 | June 3, 1935 | 16.59 | Nov. 1, 1941 | 22.40 | Apr. 18, 1945 |
| 20.4 | Apr. 19, 1927 | 15.5 | May 14, 1938 | 17.33 | June 21, 1942 | 18.95 | July 1, 1945 |
| 17.0 | June 20, 1927 | 20.50 | May 24, 1938 | 17.10 | Sep. 7, 1942 | 18.0 | Oct. 1, 1945 |
| 19.8# | Oct. 2, 1927 | 17.2# | June 2, 1938 | | | | |

CHANUTE, KANSAS, Flood Stage - 20 feet

(Gage readings cover period Oct. 1926 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|-----------------|-------|---------------|-------|---------------|
| 29.6* | Sep. 14, 1926 | 20.2# | May 19, 1929 | 23.0# | June 12, 1941 | 21.5 | June 24, 1943 |
| 25.2# | Oct. 4, 1926 | 20.0 | Nov. 19, 1929 | 26.0 | Sep. 8, 1941 | 23.1# | Mar. 20, 1944 |
| 23.0# | Apr. 9, 1927 | 22.9# | Nov. 25, 1931 | 21.6 | Oct. 5, 1941 | 25.8 | Apr. 12, 1944 |
| 28.2# | Apr. 19, 1927 | 20.5 | July 12, 1932 | 20.9 | Oct. 19, 1941 | 29.6 | Apr. 26, 1944 |
| 23.3# | June 21, 1927 | 22.3 | May 21, 1935 | 27.2 | Oct. 28, 1941 | 25.3 | May 1, 1944 |
| 21.3# | Aug. 21, 1927 | 27.8 | May 29, 1935 | 22.2 | Nov. 2, 1941 | 27.7 | Dec. 10, 1944 |
| 26.7# | Oct. 3, 1927 | 21.5# | June 17, 1935 | 25.5 | June 21, 1942 | 21.5 | Mar. 27, 1945 |
| 22.0 | June 5, 1928 | 20.9 | Nov. 28, 1935 | 20.7 | June 26, 1942 | 29.48 | Apr. 19, 1945 |
| 22.2# | Nov. 20, 1928 | 20.3# | May 14, 1938 | 20.0 | Sep. 7, 1942 | 25.10 | July 2, 1945 |
| 28.3 | Nov. 21, 1928 | 27.0# | May 25-26, 1938 | 28.9 | May 19, 1943 | 23.10 | Oct. 3, 1945 |
| 23.5# | May 12, 1929 | 26.2 | June 4, 1941 | | | | |

* From high-water mark. # Highest stage recorded; may not be crest.

From old Water Works gage, reduced to zero datum of present gage; may not be crest.

BEST STAGES OF ALL RECORDED OVERFLOWSNEOSHO RIVER

PARSONS, KANSAS, Flood Stage - 22 feet

(Gage readings cover period Oct. 1921 to Dec. 1945, except records prior to 1925 are incomplete.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|--------|------------------|--------|-------------------|-------|---------------|-------|---------------|
| 24.90 | Apr. 13-14, 1922 | 27.53 | Nov. 24, 1928 | 22.90 | June 8, 1938 | 23.94 | May 11, 1943 |
| 24.50 | June 18, 1923 | 23.79# | Apr. 21, 1929 | 23.96 | June 17, 1938 | 29.25 | May 20, 1943 |
| 27.07 | Sep. 17, 1926 | 21.85# | Apr. 26, 1929 | 24.78 | Apr. 17, 1941 | 25.01 | Mar. 20, 1944 |
| 25.32# | Oct. 9, 1926 | 24.40# | May 15, 1929 | 24.97 | June 7, 1941 | 25.68 | Apr. 12, 1944 |
| 27.45 | Apr. 22, 1927 | 22.96 | Nov. 28, 1931 | 23.20 | June 11, 1941 | 29.70 | Apr. 27, 1944 |
| 23.36# | June 21, 1927 | 23.62 | May 13, 1933 | 26.09 | Sep. 11, 1941 | 22.21 | Sep. 29, 1944 |
| 23.76# | Aug. 17, 1927 | 24.57 | May 21, 1935 | 25.83 | Oct. 6, 1941 | 26.22 | Dec. 13, 1944 |
| 26.26 | Oct. 6, 1927 | 27.46 | June 1, 1935 | 22.48 | Oct. 17, 1941 | 29.02 | Apr. 21, 1945 |
| 22.45# | June 3-4, 1928 | 22.45 | June 17, 1935 | 27.29 | Oct. 31, 1941 | 24.10 | July 5, 1945 |
| 21.85# | June 10, 1928 | 24.45 | June 15, 1937 | 22.16 | Apr. 10, 1942 | 24.49 | Oct. 3, 1945 |
| 23.95# | June 20, 1928 | 26.20 | May 29 & 31, 1938 | 25.40 | June 24, 1942 | | |

OSWEGO, KANSAS, Flood Stage - 17 feet

(Gage readings cover period Sep. 1904 to Dec. 1945.)

| | | | | | | | |
|-------|------------------|-------|------------------|--------|---------------|--------|---------------|
| 25.2* | - | 17.3# | Aug. 7, 1924 | 17.0 | July 20, 1929 | 23.00 | Sep. 11, 1941 |
| 18.8# | Aug. 21, 1905 | 17.2# | Nov. 9, 1925 | 18.4 | June 12, 1930 | 23.65# | Oct. 6, 1941 |
| 19.0# | Sep. 18, 1905 | 25.1 | Sep. 19, 1926 | 19.7 | Nov. 28, 1931 | 20.4 | Oct. 18, 1941 |
| 20.8# | Jan. 26, 1907 | 23.3# | Oct. 10, 1926 | 17.0 | July 13, 1932 | 25.04 | Oct. 31, 1941 |
| 21.0# | Oct. 26, 1908 | 20.1# | Mar. 21, 1927 | 22.1 | May 14, 1933 | 19.92 | Apr. 11, 1942 |
| 21.7# | Dec. 1, 1908 | 19.3 | Apr. 2, 1927 | 22.82 | May 22, 1935 | 22.10 | June 25, 1942 |
| 18.9# | July 20, 1909 | 24.4 | Apr. 9, 1927 | 24.94 | May 30, 1935 | 17.60 | Dec. 29, 1942 |
| 17.2# | Sep. 6, 1910 | 24.1 | Apr. 13-14, 1927 | 25.02 | June 2, 1935 | 22.06 | May 11, 1943 |
| 19.5# | Mar. 30, 1912 | 25.4 | Apr. 23, 1927 | 17.55 | June 13, 1935 | 25.80 | May 21, 1943 |
| 21.7# | Apr. 29, 1912 | 17.6# | May 8, 1927 | 20.42 | June 19, 1935 | 19.62 | June 24, 1943 |
| 19.6# | Apr. 30, 1915 | 22.4 | June 22, 1927 | 18.92# | Nov. 6, 1935 | 22.05# | Mar. 20, 1944 |
| 21.9# | May 30-31, 1915 | 18.8 | Aug. 10, 1927 | 17.98 | Nov. 29, 1935 | 22.6 | Apr. 12, 1944 |
| 22.6# | Sep. 21, 1915 | 22.1 | Aug. 18, 1927 | 20.5 | June 10, 1937 | 25.90 | Apr. 28, 1944 |
| 21.7# | Jan. 23, 1916 | 24.0 | Oct. 7, 1927 | 22.6 | June 16, 1937 | 18.38 | June 21, 1944 |
| 23.1# | June 19, 1916 | 21.1 | June 3, 1928 | 22.15 | May 25, 1937 | 18.2 | Sep. 29, 1944 |
| 18.2# | May 21, 1919 | 20.7# | June 11, 1928 | 23.30 | May 30, 1938 | 19.0 | Oct. 4, 1944 |
| 18.4# | Mar. 27, 1920 | 23.1 | June 19, 1928 | 23.51 | June 1, 1938 | 23.05 | Dec. 14, 1944 |
| 18.6 | Apr. 27, 1921 | 25.3 | Nov. 24-25, 1928 | 20.85 | June 9, 1938 | 18.45 | Mar. 20, 1945 |
| 20.8# | Mar. 16, 1922 | 23.0 | Apr. 20-21, 1929 | 21.79 | June 18, 1938 | 25.98 | Apr. 21, 1945 |
| 20.5# | Mar. 29, 1922 | 19.1 | Apr. 26, 1929 | 22.30 | Apr. 17, 1941 | 20.33 | July 3, 1945 |
| 24.0# | Apr. 9, 1922 | 17.3 | May 7, 1929 | 21.90 | June 8, 1941 | 19.70 | Sep. 25, 1945 |
| 19.9 | July 14, 1922 | 22.7 | May 13, 1929 | 17.00 | Aug. 31, 1941 | 21.40 | Oct. 2, 1945 |
| 22.2# | June 18-20, 1923 | | | | | | |

VERDIGRIS RIVER

INDEPENDENCE, KANSAS, Flood Stage - 36 feet

(Gage readings cover period Nov. 1921 to Dec. 1945.)

| | | | | | | | |
|--------|---------------|--------|---------------|-------|---------------|-------|---------------|
| 44.41 | Apr. 10, 1922 | 40.37# | June 21, 1927 | 45.00 | May 30, 1935 | 47.60 | May 19, 1943 |
| 39.20# | July 14, 1922 | 46.04 | Oct. 3, 1927 | 39.34 | June 17, 1935 | 39.50 | June 25, 1943 |
| 44.11 | June 12, 1923 | 37.01# | June 21, 1928 | 36.46 | June 27, 1935 | 43.06 | Apr. 11, 1944 |
| 37.15# | June 18, 1923 | 43.93 | Nov. 19, 1928 | 38.44 | May 21, 1938 | 43.70 | Apr. 24, 1944 |
| 41.53# | Oct. 5, 1926 | 42.17# | Apr. 21, 1929 | 38.44 | May 26, 1938 | 36.46 | Mar. 26, 1945 |
| 41.45# | Apr. 10, 1927 | 42.77# | May 13, 1929 | 39.55 | Apr. 17, 1941 | 47.28 | Apr. 17, 1945 |
| 39.89# | Apr. 16, 1927 | 36.18 | Nov. 25, 1931 | 36.78 | May 11, 1943 | 40.19 | Sep. 26, 1945 |
| 45.24 | Apr. 20, 1927 | | | | | | |

* From high-water mark.

Highest stage recorded; may not be crest.

CREST STAGES OF ALL RECORDED OVERFLOWSMARAI DES CYGNES RIVER

QUENEMO, KANSAS, Flood Stage - 30 feet

(Gage readings cover period June 1922 to Dec. 1945.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|-------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 34.65 | June 11, 1923 | 34.1 | May 13, 1929 | 32.0# | Nov. 1, 1941 | 31.2 | Apr. 28, 1944 |
| 31.0 | Oct. 4, 1926 | 30.4 | June 21, 1932 | 35.0 | June 11, 1943 | 31.2 | Aug. 27, 1944 |
| 30.7 | Apr. 2, 1927 | 35.18 | July 6, 1932 | 34.6 | June 17, 1943 | 36.4 | Dec. 5, 1944 |
| 33.8 | Apr. 15, 1927 | 33.9 | May 29, 1935 | 32.7 | June 24, 1943 | 34.8# | Mar. 25, 1945 |
| 34.98 | Apr. 19, 1927 | 36.60 | June 3, 1935 | 31.4 | June 29, 1943 | 36.6 | Apr. 16, 1945 |
| 31.8# | May 7, 1927 | 31.2 | June 2, 1941 | 30.5 | Mar. 17, 1944 | 31.7 | May 30, 1945 |
| 32.70 | June 2, 1928 | 33.6 | Aug. 27, 1941 | 35.2 | Apr. 11, 1944 | 35.1 | July 1, 1945 |
| 38.38 | Nov. 17, 1928 | 34.5 | Oct. 15, 1941 | 38.1 | Apr. 23, 1944 | 31.0 | July 14, 1945 |
| 30.4 | Apr. 21, 1929 | 35.4# | Oct. 22, 1941 | | | | |

OTTAWA, KANSAS, Flood Stage - 24 feet

(Gage readings cover period Aug. 1902 to Oct. 1905, parts of 1911, 1912, 1913 and 1914; and from June 1920 to Dec. 1945. All readings made at Main Street Bridge and reduced to zero datum of gage used in 1945.)

| | | | | | | | |
|--------|---------------|-------|---------------|------|---------------|------|---------------|
| 40.0* | - | 28.15 | June 11, 1923 | 29.0 | June 13, 1938 | 30.7 | Apr. 12, 1944 |
| 26.87* | July 6, 1895 | 25.0 | Apr. 16, 1927 | 27.5 | Oct. 16, 1941 | 36.5 | Apr. 23, 1944 |
| 24.95* | June 7, 1897 | 29.0 | Apr. 20, 1927 | 30.5 | Oct. 22, 1941 | 33.9 | Dec. 6, 1944 |
| 29.1* | May 16, 1898 | 37.6 | Nov. 17, 1928 | 25.1 | Nov. 2, 1941 | 28.7 | Mar. 26, 1945 |
| 34.3 | May 30, 1904 | 25.8 | May 14, 1929 | 26.1 | May 19, 1943 | 36.2 | Apr. 16, 1945 |
| 35.9* | July 8, 1909 | 27.2 | Nov. 25, 1931 | 25.5 | June 13, 1943 | 29.6 | July 2, 1945 |
| 31.8* | June 12, 1915 | 27.2 | July 8, 1932 | 27.5 | June 18, 1943 | 25.6 | July 10, 1945 |
| 32.9 | Apr. 10, 1922 | 32.0 | June 3, 1935 | 26.0 | June 24, 1943 | | |

OSAWATOMIE, KANSAS, Flood Stage - 28 feet

(Gage readings cover period July 1944 to Dec. 1945.)

| | | | | | | | |
|--------|---------------|--------|---------------|------|---------------|------|---------------|
| 44.32* | Nov. 18, 1928 | 28.38* | Nov. 4, 1941 | 38.8 | Dec. 7, 1944 | 32.1 | May 30, 1945 |
| 39.04* | May -, 1935 | 36.1* | Apr. 12, 1944 | 32.2 | Mar. 27, 1945 | 32.6 | July 2, 1945 |
| 42.48* | June 3, 1935 | 42.7* | Apr. 24, 1944 | 42.1 | Apr. 17, 1945 | 31.9 | July 11, 1945 |
| 28.17* | June 11, 1941 | 31.0 | Aug. 28, 1944 | | | | |

LACIGNE, KANSAS, Flood Stage - 25 feet

(Gage readings cover period July 1929 to Dec. 1945. All readings reduced to gage datum of 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|------|---------------|------|---------------|
| 26.8* | June 4, 1925 | 25.5 | Jan. 19, 1941 | 25.5 | June 19, 1943 | 27.7 | Mar. 28, 1945 |
| 33.2* | Nov. 18, 1928 | 28.1# | Oct. 18, 1941 | 27.5 | June 27, 1943 | 31.8 | Apr. 18, 1945 |
| 28.1 | Nov. 28, 1931 | 28.4 | Oct. 25, 1941 | 25.6 | Mar. 18, 1944 | 25.1 | Apr. 28, 1945 |
| 25.2 | July 8, 1932 | 28.3 | Nov. 4, 1941 | 29.4 | Apr. 14, 1944 | 26.7 | May 26, 1945 |
| 28.1# | May 23, 1935 | 25.2 | Apr. 10, 1942 | 31.9 | Apr. 24, 1944 | 28.3 | May 31, 1945 |
| 31.2 | June 4, 1935 | 27.0# | Dec. 29, 1942 | 27.3 | Aug. 29, 1944 | 28.6 | July 3, 1945 |
| 30.0 | May 26, 1938 | 30.1 | May 21, 1943 | 30.2 | Dec. 9, 1944 | 28.3 | July 11, 1945 |
| 29.4# | June 15, 1938 | | | | | | |

TRADING POST, KANSAS, Flood Stage - 24 feet

(Gage readings cover period Aug. 1921 to Dec. 1923, and Oct. 1928 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|-------|---------------|-------|------------------|
| 27.13 | Apr. 12, 1922 | 29.04 | May 24, 1938 | 25.10 | Mar. 19, 1944 | 24.40 | Mar. 29, 1945 |
| 27.05 | June 12, 1923 | 27.08 | June 17, 1938 | 26.57 | Apr. 15, 1944 | 29.8 | Apr. 18, 1945 |
| 34.45 | Nov. 18, 1928 | 24.87 | Oct. 6, 1941 | 30.58 | Apr. 25, 1944 | 25.71 | June 2, 1945 |
| 25.52 | Nov. 29, 1931 | 26.22 | Oct. 27, 1941 | 26.18 | Aug. 27, 1944 | 25.14 | July 6, 1945 |
| 26.04 | May 23, 1935 | 25.70 | Nov. 5, 1941 | 27.10 | Dec. 10, 1944 | 25.55 | July 10-12, 1945 |
| 28.46 | June 5, 1935 | 27.79 | May 19, 1942 | | | | |

* From high-water mark.

Highest stage recorded; may not be crest.

CREST STAGES OF ALL RECORDED OVERFLOWSARKANSAS RIVER

DODGE CITY, KANSAS, Flood Stage - 10 feet

(Gage readings cover period Apr. 1909 to Dec. 1945.
Gage readings reduced to present zero datum.)

| Stage | Date | Stage | Date | Stage | Date | Stage | Date |
|-------|----------------|-------|---------------|-------|------|-------|------|
| 10.3# | June 7-8, 1921 | 12.75 | Apr. 28, 1942 | | | | |

GREAT BEND, KANSAS, Flood Stage - 8 feet

(Gage readings cover period Sep. 1940 to Dec. 1945. Records are from USGS Gage.)

| | | | | | | | |
|-------|---------------|------|---------------|------|--------------|------|---------------|
| 8.30 | June 29, 1941 | 8.45 | June 20, 1942 | 8.28 | Sep. 6, 1943 | 8.10 | July 26, 1944 |
| 10.34 | May 1, 1942 | 8.61 | June 29, 1942 | 9.60 | May 4, 1944 | | |

WICHITA, KANSAS, Flood Stage - 9 feet

(Gage readings cover period Feb. 1917 to Dec. 1945. All readings reduced to present zero datum.)

| | | | | | | | |
|------|---------------|-------|---------------|-------|---------------|------|---------------|
| 13.5 | June 10, 1923 | 11.70 | Apr. 24, 1944 | 10.32 | Apr. 17, 1945 | 9.15 | Sep. 29, 1945 |
| 13.5 | Aug. 17, 1927 | 9.36 | May 4, 1944 | | | | |

ARKANSAS CITY, KANSAS, Flood Stage - 16 feet

(Gage readings cover period Sep. 1921 to Dec. 1945. Readings made at USGS gage, used jointly by USWB beginning September 12, 1934.)

| | | | | | | | |
|-------|-----------------------------|--------|---------------|--------|---------------|-------|---------------|
| 19.10 | July 14, 1922 ^{pp} | 16.24# | Aug. 4, 1927 | 17.57# | June 5, 1935 | 25.24 | Apr. 24, 1944 |
| 25.46 | June 11, 1923 | 17.32# | Aug. 20, 1927 | 16.53 | May 21, 1938 | 17.35 | May 2, 1944 |
| 18.52 | May 2, 1924 | 16.49 | June 18, 1928 | 16.48 | Oct. 26, 1941 | 17.23 | May 6, 1944 |
| 20.97 | Oct. 4, 1926 | 16.60 | June 24, 1929 | 16.79 | Apr. 27, 1942 | 16.80 | Dec. 7, 1944 |
| 20.0# | Apr. 9, 1927 | 16.99 | May 23, 1935 | 21.86 | June 22, 1942 | 21.97 | Apr. 18, 1945 |
| 16.4# | Apr. 19, 1927 | 18.17 | May 31, 1935 | 17.10 | Apr. 13, 1944 | 19.02 | Sep. 30, 1945 |

LITTLE ARKANSAS RIVER

SEDGWICK, KANSAS, Flood Stage - 18 feet

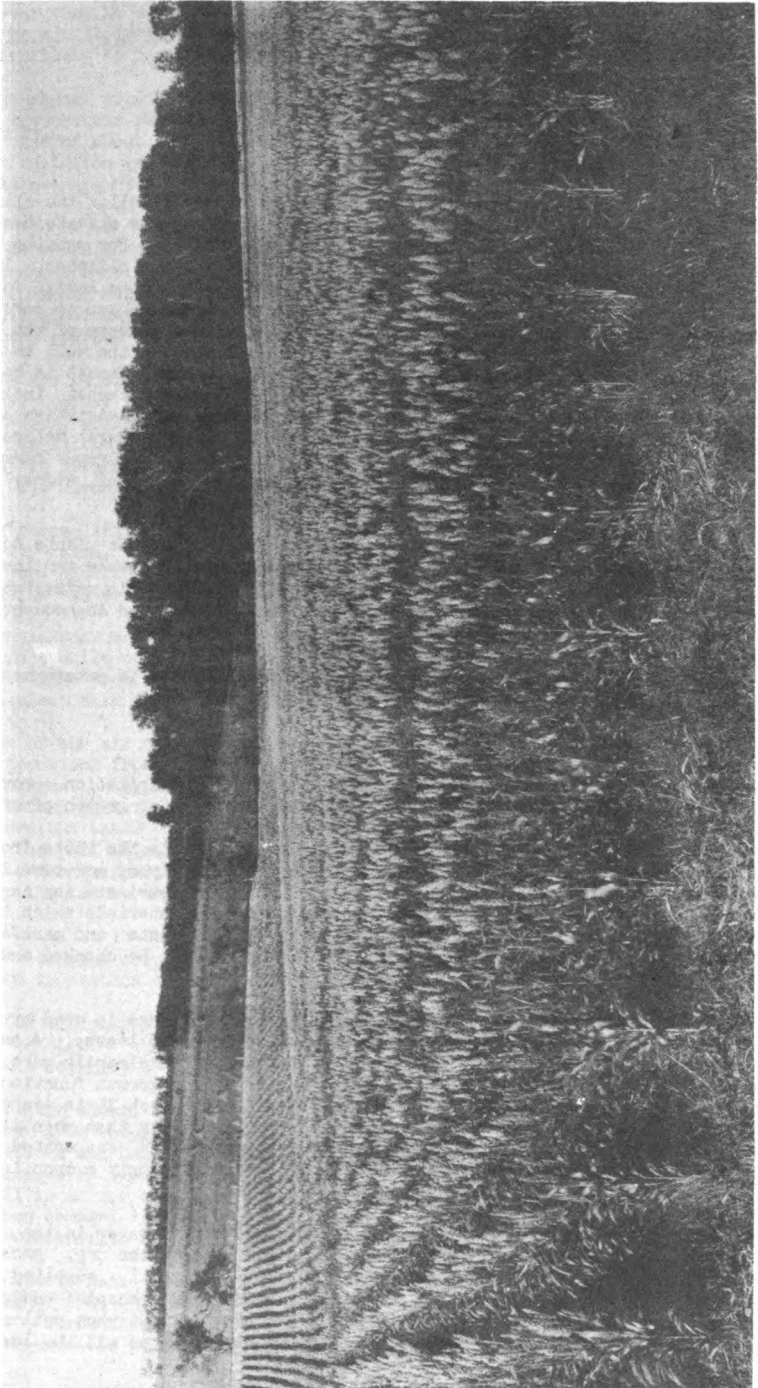
(Gage readings cover period Nov. 1916 to Dec. 1945.)

| | | | | | | | |
|-------|---------------|-------|---------------|-------|---------------|-------|---------------|
| 23.6# | Mar. 16, 1919 | 24.8# | Sep. 27, 1923 | 18.0# | Apr. 5, 1928 | 24.2 | Apr. 22, 1944 |
| 18.7# | June 22, 1921 | 19.2# | Oct. 12, 1923 | 18.5# | June 4, 1929 | 23.15 | May 3, 1944 |
| 23.4 | Mar. 14, 1922 | 22.7# | Apr. 29, 1924 | 23.6# | July 11, 1929 | 23.6 | July 11, 1944 |
| 23.5# | Apr. 9, 1922 | 20.4# | Oct. 3, 1926 | 22.1# | May 27, 1935 | 23.2 | Dec. 6, 1944 |
| 20.8# | July 11, 1922 | 18.0# | Oct. 13, 1926 | 18.6# | Mar. 22, 1944 | 24.8 | Apr. 16, 1945 |
| 24.7# | June 9, 1923 | 23.2# | Aug. 16, 1927 | 22.6# | Apr. 12, 1944 | 24.1 | Sep. 28, 1945 |
| 21.3# | June 16, 1923 | 19.8# | Aug. 28, 1927 | | | | |

* From high-water mark.

Highest stage recorded; may not be crest.

^{pp}Slight overflows for which crests are not available also occurred on March 17 and April 11, 1922.



Climate, soil and science combine to give this picture of a luxurious harvest.

CROP PRODUCTION AND CLIMATE

By

Dr. H. H. Laude, Agronomist
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The success a farmer has in growing crops depends upon the soil, the climate, the varieties he plants and the cultural practices he employs. The climate has an important bearing upon some of the main characteristics of soil. For example, the most fertile soils in general are developed in sub-humid temperate climates. In more humid regions, and especially where temperatures are higher, the native fertility of the soil tends to be lower due mainly to leaching of nutrients and to more rapid destruction of organic matter. In drier regions mineral constituents of the soil sometimes accumulate enough to be harmful and the productivity of the soil is often limited by drought. The climate in central and much of western Kansas is conducive to the development of high soil fertility. Although the farmer cannot influence the climate nor control the weather he can choose such crops and varieties as are best suited to his locality and he can adopt such tillage and cultural methods as will provide the best conditions possible for those crops. Thus by proper farm practices he can do much to insure good yields from his crops in areas of widely different climates and under varying weather conditions.

The yield of crops is a measure of the amount of work that the plants do in making roots, stems, leaves, and grain. When conditions are favorable for them to work, growth will be abundant and a large production will result. In unfavorable conditions, only little work can be accomplished by the plants and consequently production will be low.

The suitability of the climate for crop production in Kansas is determined mainly by rainfall, temperature and light.

Rainfall

The water derived from rain, snow and other forms of precipitation provides soil moisture and helps maintain suitable atmospheric humidity for growth of crops.

The nutrients that crops obtain from the soil are taken into the roots from the water solution that surrounds the soil particles. When the supply of moisture in the soil becomes too scant the plants cannot secure the necessary nutrients nor can they obtain the amount of water needed for the manufacture of materials which takes place in the leaves, nor the amount required to carry the nutrients and manufactured materials through the plant. Thus the growth of the crop will be checked and the final production will be low.

In a well cultivated field most of the available soil moisture is used by the growing crop, being taken into the roots and evaporated from the leaves. A small amount is required in the manufacture of the plant substance. Ordinarily more water goes through the plant than is necessary to carry on its normal growth functions. The amount of water used is determined largely by the rate at which it is evaporated from the leaves. The loss of water is greater when the air is dry than when it is moist. Rain moistens the atmosphere and consequently less water is evaporated from the leaves. Therefore, a given amount of soil moisture will supply a crop longer where the air is moist than where it is dry.

Crops grow reasonably well with widely different amounts of water in the atmosphere but when the air immediately surrounding the leaves becomes too dry, growth will be checked. If there is an adequate amount of water in the soil, supplied either by rain or irrigation, the plants can ordinarily absorb and transpire enough water to maintain a moderately moist atmosphere around the leaves, but when soil moisture is deficient and the evaporating power of the air is high, water will be lost from the

leaves faster than it can be obtained from the soil and the plant will wilt and be unable to grow efficiently. Thus, the dryness of the air as well as the dryness of the soil is likely to limit crop production.

The average annual rainfall in Kansas (See chart on page 26.) varies from about 17 inches in the western part of the state to 40 inches in the southeast part or an average increase of about one inch every 18 miles from west to east across the state. Since this variation is fairly regular, a county six townships (36 miles) wide may receive an average of about two inches more rain at the eastern than at the western boundary.

The yield of crops in general increases with annual rainfall up to about 40 inches, however, much depends upon the type and distribution of the rains. A large proportion of the annual supply of rain in Kansas, two-thirds to three-fourths (See chart on page 10.) comes during the six months, April to September. This is an important factor in the success of summer crops such as corn, sorghum, alfalfa and pastures.

Small rains are recognized to be of less value in crop production than moderately heavy rains, partly because one-fourth inch or less usually will not wet the ground enough to supply soil moisture around the roots of the crop. Often a rain of one-half inch has little effect on soil moisture in the root zone. In tabulations on pages 35-45 it is shown that on one-half to two-thirds of the days when rain occurs in Kansas, the amount does not exceed one-fourth inch.

Very heavy rains, like small rains, are less effective in crop production than moderately heavy rains. The run-off is proportionately greater from heavy rains and crops are more likely to be damaged mechanically as well as in their ability to grow, by heavy rains and prolonged wet condition of the soil.

A considerable amount of annual rainfall in eastern Kansas comes in rains of three inches or more while only rarely does more than three inches fall in one day in western Kansas. Thus crop production is more frequently affected adversely by heavy rains in eastern than in western Kansas. (See tabulations on pages 35-45.)

The dryness of the air may restrict the growth and limit the yield of crops. The average evaporation from water surface during the six summer months is reported for different places in Kansas on page 147. It is apparent that more evaporation takes place in western than in eastern Kansas. Leaves of plants have moist areas from which evaporation takes place much the same as from water. Consequently the available supply of soil moisture may be drawn upon more rapidly in western than in eastern Kansas and the capacity of the crop to grow and produce a good yield is less frequently limited by dryness of the air in the eastern part of the state than farther west.

Periods of drought occur less frequently and are ordinarily of shorter duration in eastern than in western Kansas. (See charts on pages 129 and 130.)

During a time of drought the air is likely to be dry and therefore its evaporating power will be high. This will more quickly exhaust the available soil moisture and intensify the severity of the drought.

In areas of high annual rainfall there are likely to be seasons when fields are continuously wet long enough to interfere with proper growth of crops and to delay field operations and make them difficult. In the eastern one-third of Kansas, wheat is often damaged by too much wet weather in the spring. In central and western Kansas rainfall is seldom enough to cause serious damage. Corn, sorghum, and grasses are not often damaged in Kansas by too much wet weather although field operations may be interfered with during prolonged rainy periods.

Snow in Kansas is nearly always beneficial to crops partly through the water it supplies and partly for the protection against cold which it affords winter annuals and perennials. Fortunately the snowfall is greater, snow falls on more days and it covers the fields for a longer time in northern Kansas where the colder temperatures

prevail than farther south in the state. (See page 116.)

Temperature

Temperature is an important factor in crop production because it influences the working conditions for plants. Only within a certain range of temperature can plants grow and only in part of this range will the crop grow most rapidly and develop best. Growth may not only be slowed but may actually be stopped either by low temperature or by high temperature. With more extreme variations in temperature the plants may die.

Crops differ with respect to their optimum temperatures. Summer annuals such as corn, sorghum and soybeans grow best in moderately warm weather but their growth is checked by temperatures approaching 100° F. and they are likely to be severely damaged by temperatures over 100°, especially at flowering time. On page 156 it is shown that temperatures over 100° occur less frequently in western and eastern Kansas than in the central part of the state. Damage to crops by high temperature is intensified if associated with deficiency of moisture. Consequently, damage during periods of high temperature is likely to be as great in western as in central Kansas, although the maximum recorded temperatures are somewhat lower. Temperatures above 100° occur somewhat less frequently in eastern than in central Kansas. Furthermore, the moisture supply is ordinarily better in the eastern part. Consequently, that section suffers somewhat less damage from high temperatures than does the central section.

Low temperatures during winter may damage winter annuals and perennials. The severity of cold decreases from northwest to southeast across the state. (See chart on page 149.) The average difference of about 8° in the daily minimum temperatures for the winter season accounts for significantly milder winter weather in southeastern than in northwestern Kansas. As a result of this, more hardy varieties of wheat and other crops that live through the winter are required in the north and western parts of the state than in the east and south. Not only are temperatures less severe but cold weather prevails during a shorter period in the southeast than in the northwest part of the state as shown by the dates of first frost in fall and last frost in spring. (See chart on page 155.)

The length of the growing season as well as average temperature is important in the adaptation of crops. Normally the best yields are obtained from varieties that utilize as fully as possible the available growing season. The average length of time between the last killing frost in spring and the first killing frost in fall ranges from about 160 days in the northwest corner of Kansas to 195 days in south central and southeastern parts of the state. (See chart on page 225.)

The longer season in the south and east and the higher winter temperatures contribute to greater production per acre of pasture, silage, fodder and hay than is obtained in northern and western Kansas. The advantage of longer seasons in grain production is of less importance because short-season adapted varieties with capacity to produce high yields of grain have been developed.

Light

Light is important in crop production mainly for two reasons. Only in the presence of light do plants manufacture carbohydrates which are used in building roots, stems, leaves, and grain. The longer the light is supplied the more opportunity crops have to work. The length of summer days increases with latitude and consequently the number of hours in a summer month during which plants do photosynthetic work is greater in the northern than in the southern part of the United States. The days in late June are about an hour longer in Kansas than in Florida or Southern Texas.

Moderately intense light is needed for maximum rate of carbohydrate manufacture. Kansas has a large proportion of bright sunny days which are conducive to the best growth of crops. (See tabulation on page 241.) Most plants when shaded make little if any growth. Low intensity of light is a major reason why weeds cannot grow in a

good stand of wheat, in a corn field after the crop is shoulder high, in a full stand of alfalfa, or in a pasture that is not overgrazed. Farmers often resort to this means of controlling weeds by adopting such cultural practices as will permit the crop to fully shade the land.

Another important function of light in crop production is the influence of the length of day on the time varieties mature. Some crops begin to bloom in response to a certain length of day and others in response to a certain length of night. Day length, and consequently night length, follow precise seasonal rhythms year after year. It is, therefore, possible to predict the length of any day on any farm. The length of day on an east-west line across the middle of Kansas is 11.4 hours on March 1, 13.8 hours May 1, 14.8 hours July 1, 13.1 hours September 1, and 10.5 hours November 1. On March 1 the day is .9 as long as the night but on July 1 the day is 1.6 times as long as the night. Many crops require a particular ratio of day and night in order to produce their maximum yield of forage and seed. It is important, therefore, that each crop be planted where the proper day-night ratios will occur and at such a time as will allow the crop to be at the proper size and age when the day-night ratio is such as to favor the production of the largest yield. The successful varieties are those which are suited to the particular day-night rhythm that prevails. A crop that is highly successful in one region may be a disappointment when introduced to a new locality having a different day-night rhythm. For example, strains of bromegrass that are excellent in the northern states are not as well suited for planting in Kansas as strains from the Central Great Plains.

Climate and Crop Production

It is evident that no one section of Kansas has all of the favorable climatic conditions nor are the unfavorable conditions located in any one section. The extensive production of crops in all sections of Kansas is evidence of the suitability of the climate for intensive agriculture. Of the 52 million acres in the state about 29 million are cultivated and 20 million produce native grass for hay and pasture.

Different species comprise the grassland vegetation in different parts of the state. In the eastern humid section the vegetation is composed of tall grasses in which the bluestems are dominant. In the lower rainfall area in western Kansas a short grass vegetation prevails, dominated by buffalo grass and blue grama. In a band across central Kansas the mixed grass association is found. Thus in all parts of Kansas native grasses furnish excellent summer pasturage. In the short grass area the growth produced during the summer may be grazed throughout the winter. The tall or bluestem grasslands are particularly noted for their large amount of excellent summer grazing to fatten cattle.

The climate and soil of Kansas are well suited for the production of hard red winter wheat, especially in the central part and in the western part where much of the land is summer fallowed in preparation for wheat. The area used for winter wheat including what is summer fallowed represents roughly half of the cultivated acreage in the state. The planting of this large acreage of good soil in the favorable climatic conditions that prevail make Kansas the leading wheat producing state.

In eastern Kansas the climate is favorable for a variety of forage and grain crops, including corn, sorghum, alfalfa, oats, sweetclover and bromegrass, thus making it a good livestock section. The planting of bromegrass, sweetclover, and winter cereals to supplement the native bluestem grasses extends the season of abundant pasturage to about 10 months with some grazing during the other two months.

The climate in western and central Kansas is favorable for the extensive production of grain sorghums which provide feed for livestock, especially sheep and cattle. Dwarf types of sorghum have been developed that can be harvested with the combined harvester-thresher.

Long ago it became evident that the climate in eastern and central Kansas is well suited for alfalfa which has continued to be the leading legume hay crop. Sweetclover and alfalfa are the chief legume crops for soil improvement in eastern and

central Kansas. The high yield of other crops depends much upon the use of these legumes in the rotation.

Investigations and the experience of farmers have shown that all parts of Kansas have favorable climate for successful crop production. Also it is clear that the characteristics of the climate are dominant factors in determining the kinds of crops and the varieties to grow, including both native grasses and introduced crops. Climatic conditions furthermore mainly determine the best cultural practices involving the sequence of crops, fertiliser requirements, tillage methods and planting and harvesting practices.

The large production of crops in this state indicates that the farmers of Kansas not only recognize the importance of climate in crop production but that they understand how to develop and adjust field conditions to the needs of the crop in the various climatic areas.

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Combining climate and available moisture with the most modern farm techniques results in abundant crop production records.

CLIMATE AND INSECTS

By

Dr. Roger C. Smith, Head
Department of Entomology
Kansas State College

Insects are creatures of their environments. Being cold blooded, their body temperatures range closely to that of the surrounding temperature. Plants too are dependent on weather for their existence and they are the source of food for most animals including insect life. These facts make it obvious that climatic conditions are an extremely important factor in insect relations with agriculture.

Weather in affecting all types of plant and animal life is never the same any two years. To a large extent, the abundance or lack of insect life in any one season is the result of the ever changing weather.

Biologists when speaking of insect populations usually compare the numbers of insects in relation to the "average or normal" years. Actually there is no normal year in insect numbers just as the "average man" is non-existent. The "average year" term is merely used as an axis from which the increase or decrease in numbers of the various species of insects in any given year is contrasted. Biologists are actually most interested in the extremes of insect life, the conditions under which high or extremely low numbers develop.

Insect populations are determined by two great groups of forces. One group consists of all those factors that contribute to the health and increase of the species and the other being those that reduce, destroy or obliterate it. Chief among the large number of forces that favor a species are optimum temperatures, moisture, sunshine, adequate food supplies, and few or no diseases, parasites or other natural checks, and many other factors both inside and outside the organism.

Forces tending to reduce the numbers of a species of insect include unfavorable climatic conditions, crowding, lack of food, increase in parasites, predators, diseases, and other related factors.

An abundance of plant life usually is followed by an abundance of the kinds of insects which feed on each kind of plant. Conditions, in general, which favor plant growth are favorable to insect development.

Climate Affects Activities

Since insects are cold blooded animals, they are dependent on temperature and moisture of the environment to control the rate of their body activities. They live "fast lives" when conditions are most favorable, but they are dormant generally at about 40 degrees F. and colder. They would be far greater competitors of man if they did not lose about six months each year in dormancy.

Weather factors, together with the abundance of a species, determine the numbers of predators, parasites and diseases of that species. This shows clearly that ultimately the whole biological picture is directly or indirectly an expression of climate, and of course, the soil in the area.

Instruments for measuring and recording all climatic factors have attained a high degree of proficiency. However, the records obtained formerly with these instruments usually gave readings which mostly related to human living conditions; thus records obtained from tall buildings and other high places are not practical to use for insect studies. Biologists were forced to obtain their own weather reports at ground levels for adapting to insect conditions.

Census Taking Difficult

It is difficult to obtain accurately the numbers of plants or animals, especially insects, in a given area. A standard method is to select areas at random and divide these into squares. The numbers of any desired kind of insect or plant in these squares are counted from time to time with notations on yearly changes. A system such as this does fairly well for less active insects such as hessian fly, wheat straw worm and corn ear worm but is not too satisfactory for more active insects. At best the method of squares and most insect censuses only give trends rather than exact figures.

Other methods that are used in determining animal populations of the various kinds of insects include taking a given number of sweeps with a standard insect net, counting numbers in units of selected areas, trap lights, bands and bait traps, number of inquiries received about species, Federal grasshopper and chinch bug surveys, estimations by specialists, the Federal Bureau of Entomology Insect Pest Survey Bulletin and the Kansas Survey.

The value of these different means of counting insects varies, though each has a place in the overall picture. Estimations by specialists are fairly reliable indications though they cannot be used in statistical analysis. Information for the Federal Bureau of Entomology Insect Pest Survey Bulletin is obtained from individuals all over the United States who report on population of the different economic species, damage caused and first appearance dates.

The Kansas Survey records the population of the various species by scorings. These figures are obtained from a large number of individuals over the state who are in position to know about insect numbers and the amount of damage caused. The Kansas Survey attempts to record what has happened, together with aspects related to the weather, while the Federal Survey is for the purpose of predicting what will happen.

Population Fluctuates

There is no better state or area in the United States than Kansas to observe wide fluctuations in insect populations because of the extremes of climate. This state has highly variable weather characterized by sudden and prolonged extremes, accompanied many times by difficult growing conditions for crops which result in the fullest expression of insect damage. The state also possesses a wide variety of soils and natural crop covers which favor a wider variety of insects than many other areas.

Not all of our common insects vary in such extremes of population cycles as the more common crop damaging insects. Household insects are generally present and, while more plentiful some years than others, rarely develop in outbreak form. Silver fish, clothes moths, and dermestids are included in this group. Fleas and termites usually remain about the same in numbers from year to year.

Stored grain pests are generally plentiful being related primarily to the amount of grain in storage, the length of storage, type of bins, and moisture content of the grain. Wet weather has been found to favor greatly this type of pest.

The numbers of external parasites of domestic animals and greenhouse insects are little affected by the weather. There are always sufficient numbers present to build up to economic proportions if the application of control measures is neglected.

Many horticultural pests tend toward maximum populations each year. The Colorado potato beetle, striped and spotted cucumber beetles, tomato hornworm, squash bug, and the corn ear worm fall in this grouping. The later spring-planted crops are planted, the more severe the insect infestations generally are in any year regardless of the climatic conditions.

Many Insects Unknown

The great majority of kinds of insects, possibly 85 percent, are not known by the

public and are probably unseen by them. They consist of rare, uncommon and neutral or non-economic species. They do not vary to any great extent with the weather. Some are held to small numbers by parasites and predators, others by limited food supply and some are so fragile that they are easily destroyed. They find their optimum conditions in a limited environment regardless of overall fluctuations in climate.

Long time studies of insect cycles and related climatic influences have been the hope of many biologists so they could make more reliable predictions of future insect populations. Long range weather predictions are just now beginning to be taken seriously and, since weather is a dominant controlling factor in the situation, accurate advance predictions on insect populations is a doubtful accomplishment. Predictions of longer than a year in advance in entomology cannot be taken seriously.

Problems concerning the numbers of the various species of insects in Kansas are very much the Great Plains insect problems, for conditions throughout the Great Plains are strikingly similar except for latitude. There occurs a broad level expanse of semi-arid land of splendid fertility even though the number and variety of crops which can be grown successfully are limited by climatic factors. No effective insect barriers such as high mountains, wide rivers or deserts are found in this area, thus encouraging great similarity of insect problems throughout the Great Plains.

Plant diseases and insect pests are often serious problems throughout the Great Plains. Nearly every insect pest in the nation thrives somewhere in the area. The highly nutritious plants of this area provide adequate food requirements for the largest insect populations in the United States to develop when given sufficient time. Occasional serious outbreaks of grasshoppers and chinch bugs are ample proof of this.

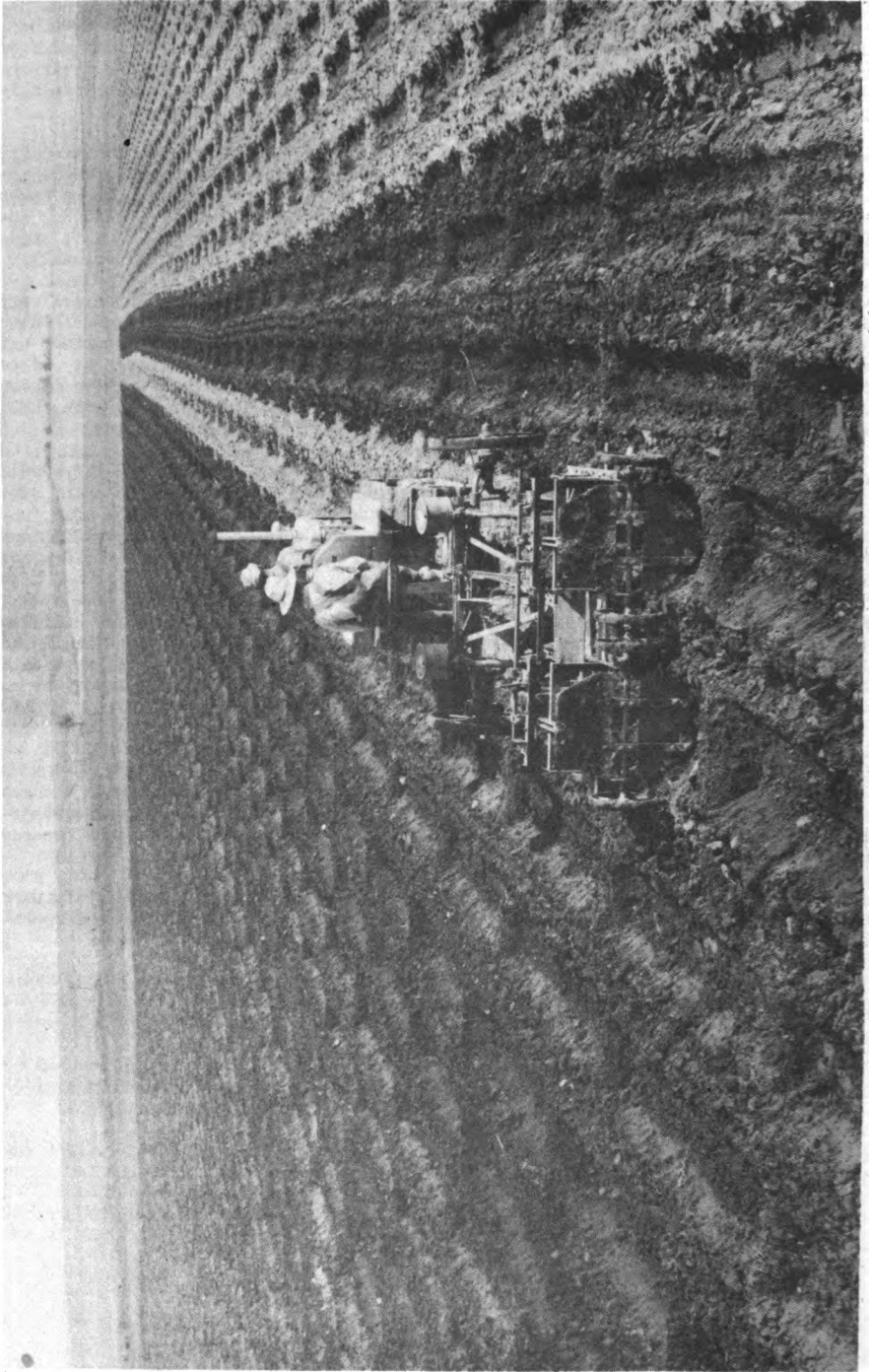
Cropping and soil handling systems in general offer no great obstacles to building up large populations of insects in the Great Plains. Climatic conditions limit the farming practices because erosion by wind and torrential rains must be kept to a minimum. Nearly every year in the Great Plains there is a new type of injury by an old insect pest, or some previously neutral species becomes a threat.

Use of Information

To overcome the insect problems the solution lies not in the hope for climate changes or nature bringing about a balance in favor of the farmer but rather in understanding and recognizing the problems and applying the information available towards solving them more satisfactorily.

In general, nature balances all forces together, with climate as the chief factor, to reduce yearly fluctuations in insect numbers to less than the maximum of reproductive capacities.

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Moisture conservation is the keynote of modern Kansas farming.

TEMPERATURE AND WATER SUPPLIES

by

Geo. S. Knapp, Chief Engineer

Division of Water Resources, State Board of Agriculture

Throughout the entire Plains Region, but a small part of the rainfall finds its way to streams, either as surface runoff or as streamflow from ground water to thereby become available as water supply. The balance returns to the air as transpiration from growing vegetation or as evaporation from land or water surfaces.

United States Geological Survey Water Supply Paper 846, gives, in inches of depth, the amount of rainfall consumed by evaporation and transpiration for certain river basins in the humid and semi-arid regions east of the Rocky Mountains. It constitutes a statistical study in selected drainage basins of what is termed water loss. As used in that study, the water loss of a drainage basin is the difference between the rainfall over the basin and the runoff from the basin in a given period of time.

The paper contains a map of the United States showing generalized lines of mean annual temperature and mean annual water loss from which the chart (Fig. 1) is reproduced. From this, it will be seen that in the humid eastern part of the United States, water loss tends to vary with the mean annual temperature, from about 38 inches in the southern part with mean annual temperatures of 70 degrees, to 18 inches along the Canadian boundary where the mean annual temperature is about 40 degrees. To the westward, beginning at about the 95th meridian, however, lines of annual water loss tend to turn abruptly, and running more nearly at right angles than parallel to lines of mean annual temperature, show diminishing quantities of water loss westward across the Plains Region.

The reason for the change in the direction of water loss lines will be most apparent if we convert water loss from inches in depth into percentages of the annual rainfall (Fig. 2). In the eastern part of the United States, water loss is limited by the capacity of the atmosphere to absorb moisture. In a region of 40 to 60 inches of rainfall, 55 to 60 per cent of it is consumed by transpiration and evaporation. To the westward, rainfall decreases but the capacity of the air to evaporate water increases. Mean annual water loss, which reaches 80% in western Missouri, increases to as much as 99% of the average rainfall in western Kansas and in other parts of the Plains Region. Here in a region of 20 inches of rainfall, the atmosphere has the capacity to evaporate more than 60 inches a year if the water is available. In this region, water loss, while it of course varies with temperatures, is controlled more largely by the amount of water available from rainfall. For this reason, it decreases in inches markedly as rainfall diminishes to the westward.

As pointed out in Water Supply Paper 846, water loss increases with temperature. The manner in which it can increase as temperature increases, if the water is available, is illustrated by evaporation records at the experiment stations at Hays,

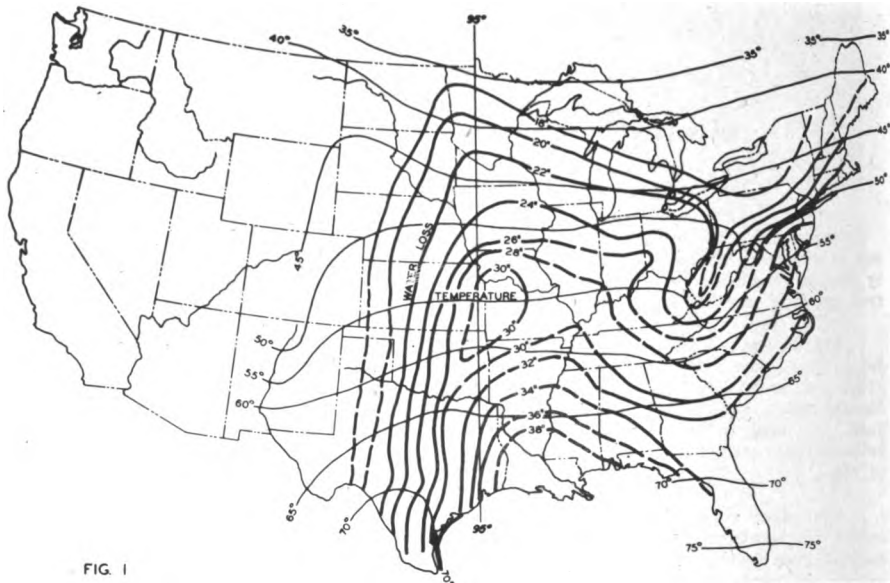


FIG. 1

MEAN ANNUAL WATER LOSS IN INCHES
AND
MEAN ANNUAL TEMPERATURE IN DEGREES

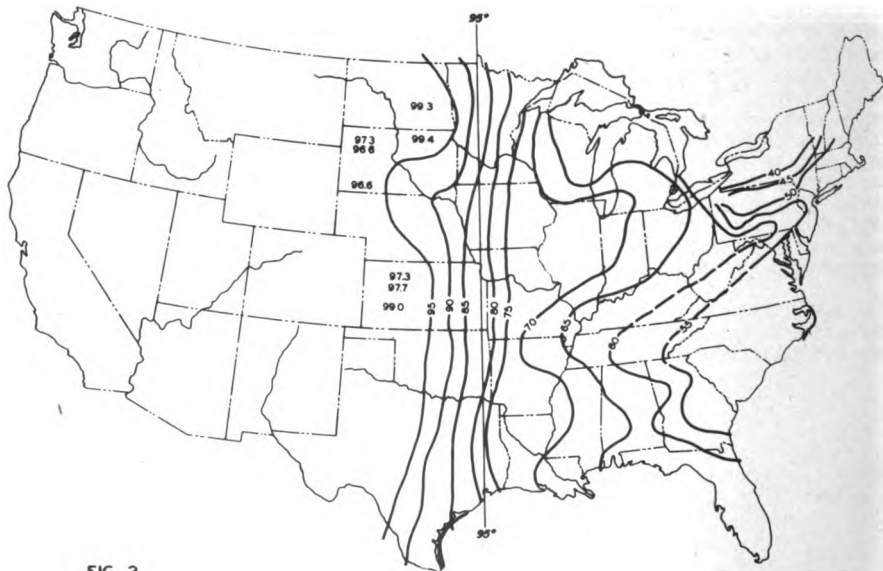


FIG. 2

MEAN ANNUAL WATER LOSS
IN
PERCENT OF RAINFALL

Garden City and Colby. The Bureau of Plant Industry, U. S. Department of Agriculture, in cooperation with Kansas State College, obtains seasonal records from these stations equipped with the Bureau of Plant Industry type of evaporation pan. The longest of the three records is at Hays where, on the basis of 10-year averages, the April to September evaporation from a water surface increased from 47.60 inches to 55.28 inches as the average annual temperature rose from 53.12 degrees to 55.75 degrees (Fig. 3). At Garden City a temperature increase of 2.24 degrees from 54.21 degrees to 56.35 degrees increased seasonal evaporation 10.12 inches from 52.85 inches to 62.30 inches. (Fig. 4). In a somewhat cooler part of the state, a temperature increase from 51.85 degrees to 54.08 degrees caused an increase in evaporation from 39.27 inches to 41.88 inches. (Fig. 5). Obviously, annual evaporation losses are somewhat more.

All three of the foregoing figures show upward trends in temperature. These trends are general and extend over much longer periods of time. Few long-time temperature records in the Plains Region are available, but such as there are show something of the character of these trends. Fig. 6 summarizes the longer records in Iowa, Minnesota, Nebraska, North Dakota and South Dakota. By progressive 10-year averages, it shows trends in both temperature and rainfall in the Northern Plains Region. It will be noted temperatures started a sharp upward rise with the 1884-1893 period. This was followed by a leveling off and then by a resumption of the rising trend.

In this region, rainfall has shown a downward trend since the 1877-1886 period. Rainfall trends, however, do not follow the consistent trend shown by temperatures. In one area they may be downward and in another upward at the same time.

In Fig. 7 is shown in summation, records obtained at Leavenworth, Manhattan and Hays in Kansas, and St. Louis, Oregon and Herman in Missouri. Here again a sharp rise in the 1884-1893 period is noted. Rainfall does not follow the definite downward trend that it does to the north. Rather, there appear to be three distinct cycles. The peak of each, however, is lower than the preceding one. During the earlier part of the period, there appears to be a tendency for rainfall trends to follow temperature trends.

Records in the Southern Plains did not begin early enough to show the beginning of the sharp rise in temperature which those farther north show as having started in 1884. (Fig. 8). On the basis of records at Austin, Tulsa, Lawton and Oklahoma City temperatures were going up sharply when records began and have continued generally upward. There have been some rather wide fluctuations in rainfall. The general trend was upward until the 1918-1927 period. This was followed by a sharp drop but it did not reach the 1909-1918 low, and now appear to be rising again.

There is further evidence that rainfall trends may be upward in one area and downward in an adjacent one. Material furnished by the Chief of the U. S. Weather Bureau, shows that in Washington and Oregon trends were downward from 1896 to 1931 before starting to rise. At the same time, trends in Arizona and New Mexico were upward from 1900 to 1923, after which a distinct downward trend set in. Among this material was a 108-year record at Calcutta, India, and a 116-year record at Rome, Italy. At Rome, the trend was consistently upward from 1874 to 1917. During this time, the trend at Calcutta was as definitely downward between 1888 and 1921, after which it started to rise slowly.

Turning now to individual records in Kansas, the longest one we have of annual temperatures is the Manhattan record. (Fig. 9). It is in fact the longest temperature record in the entire Plains Region. Here, when the record began in 1859, temperature trends were downward, and with some fluctuations, continued downward until 1883. From there a sharp rise set in which continued until 1896. For the next two decades average temperatures leveled off, after which another steep rise started, ending with the 1930-1939 period. The average of 54.3 for 1940 has turned the curve downward.

FIG. 3

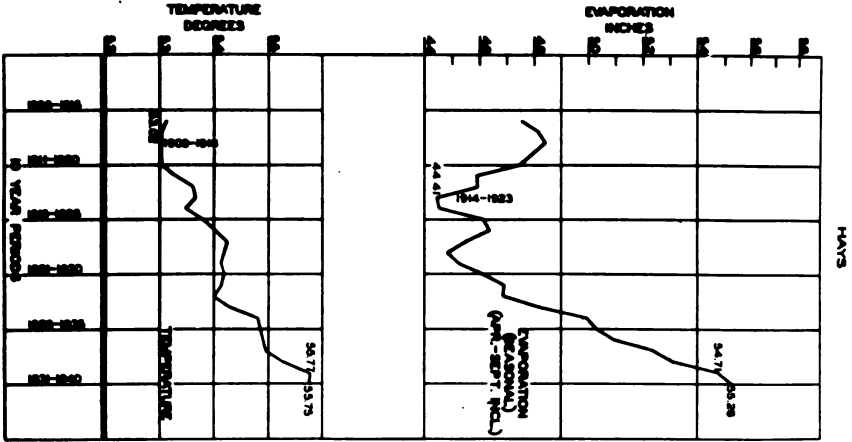


FIG. 4

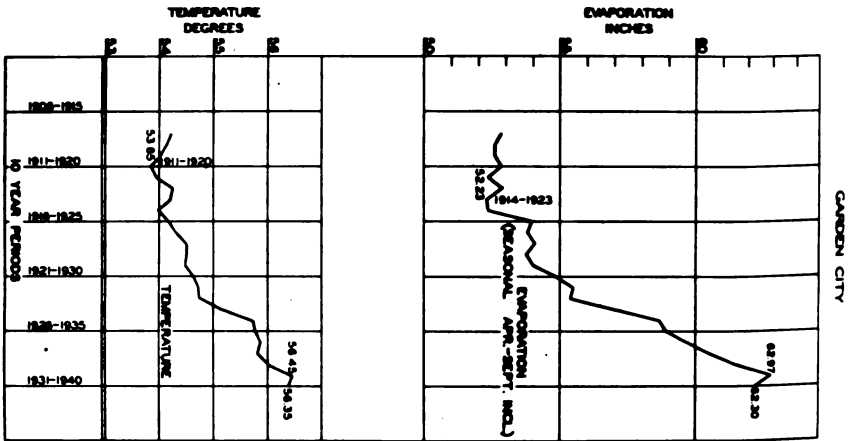
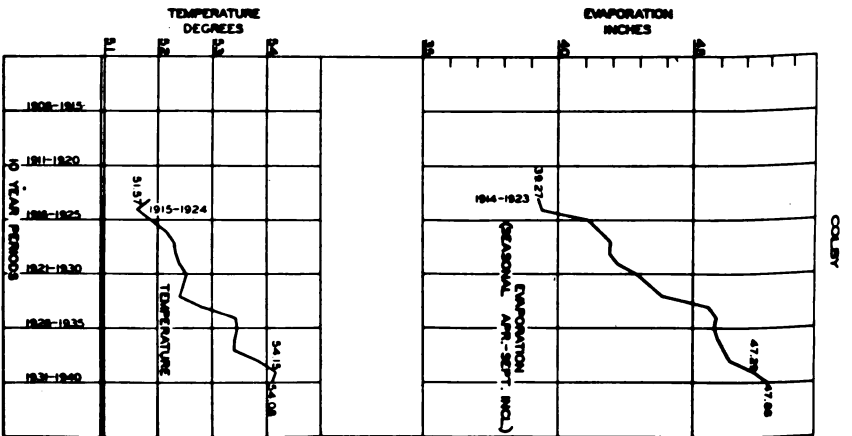
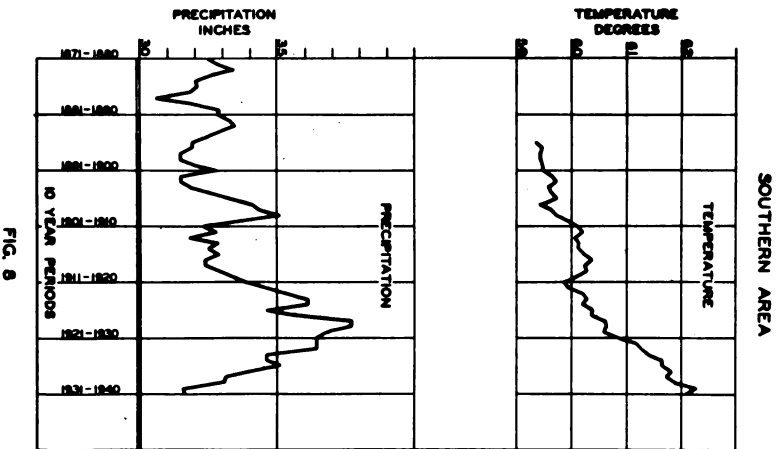
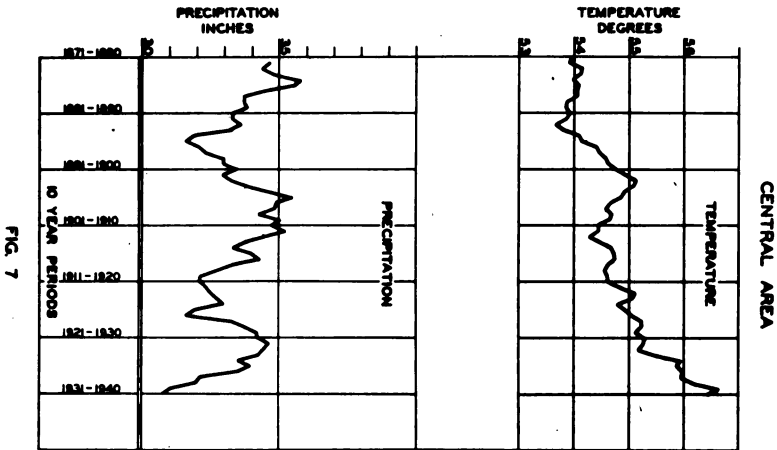
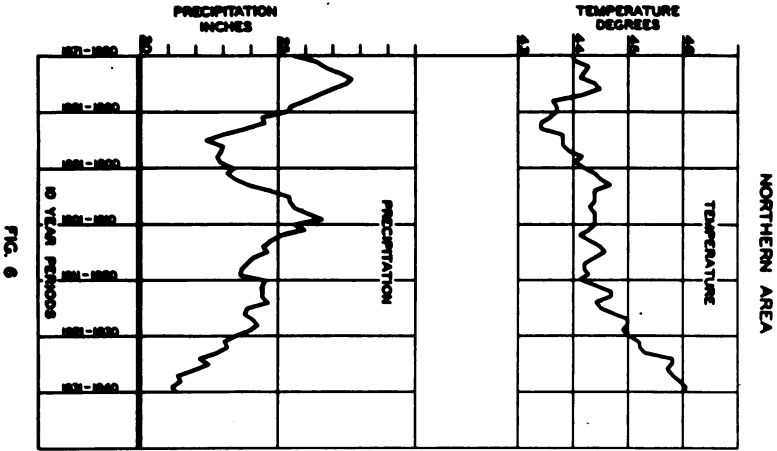


FIG. 5





As to rainfall, there is again the suggestion of three cycles, such as are in evidence in Fig. 7 showing certain stations in Kansas and Missouri. The last one, however, was weak, and there has been a general downward trend since 1908. It will be noted that the lowest 10-year period was that of 1866-1875 having 26.69 inches. That occurred coincident with a relatively cool period and hence evaporation losses were low.

Relatively long records at two other places, Independence and Dodge City, are available. These show the same general characteristics as that at Manhattan, but with some variations. (Fig. 10). The temperature curve for the Independence record is similar to that of Manhattan, showing first a rapid rise beginning with the 1883-1892 period, a leveling off or slight drop and the resumption of a rapid rise. The rainfall curve shows three distinct cycles, again, with the center one the highest.

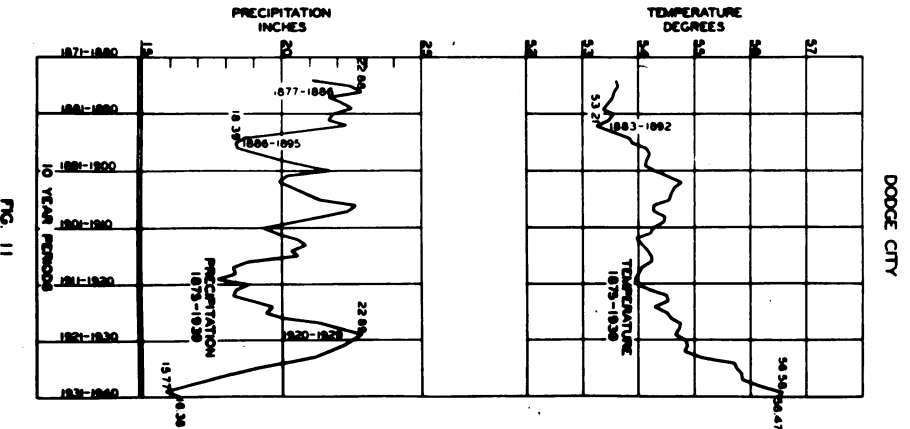
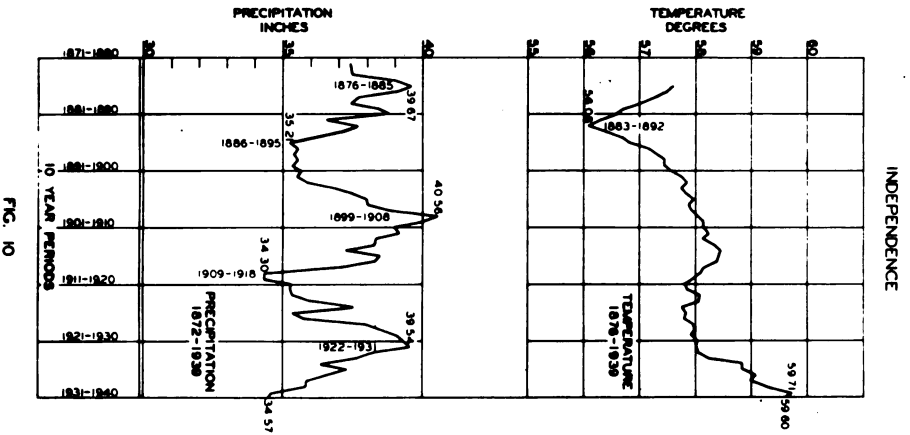
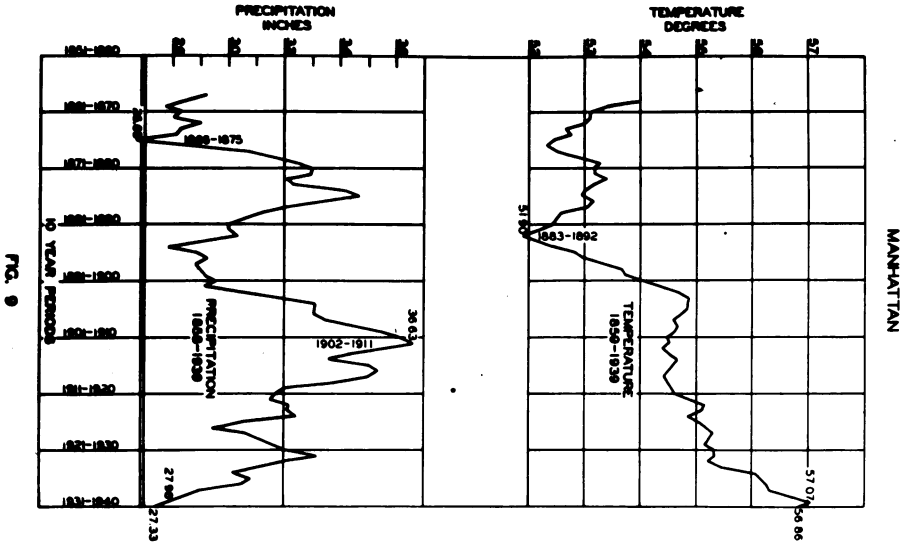
As to the Dodge City record, (Fig. 11), a little comment on the temperature curve is needed. It has the principal characteristics of the other two. Three cycles are less apparent on the rainfall graph. Insofar as they can be discerned, the center one is the lowest and the later one, for the 1920-1929 period, is the highest. In the last decade, rainfall dropped below anything previously recorded for a like period.

The most outstanding characteristic of these graphs is the upward trend in temperature in evidence in all of them. Regarding this trend, J. B. Kincer, writing on the relations of recent glacier recessions to prevailing temperatures, said: (Monthly Weather Review, June, 1940, U. S. Weather Bureau) "Our longest records, extending back in some cases to the latter part of the eighteenth century, show conclusively that since about the middle of the nineteenth century . . . there has been a marked tendency to higher temperatures than formerly, the upward trend being especially marked during the last few decades." He then shows, by moving averages, the trends at points in the United States, West Europe, South Africa, etc. Continuing, he says, "There is further conclusive evidence that this trend to higher temperatures has been general over the globe. Summaries of monthly records published in the *Reseau Mondial* containing records for about 400 well-distributed stations throughout the world, for the 22 years from 1910 to 1931, show that during this period the world as a whole had subnormal temperatures in only two years, approximately normal in three and considerably above normal in all the other years."

It is well established that "water loss" increases as temperature increases, and that temperatures have been increasing for many years. Concerning the effect on agriculture, Mr. Kincer stated that this long-time climatic trend had much economic significance, especially agronomic; that a 10-year average of the length of the crop growing season, represented by the number of days between the last killing frost in the spring and the first in the fall, showed for southeastern Iowa a growing season in the early thirties, 20 days longer than a like average in the early nineties; and that there was an even greater lengthening of the growing season in the vicinity of Washington, D. C. The latter fact, he pointed out, meant that residents of Washington during the last ten years have required artificial heat in winter comparable to requirements in south-central Virginia some 40 years ago.

It is questionable whether increasing temperatures are having a like beneficial effect on Kansas agriculture where we consider the greater evaporation losses incurred as well as the increase in the length of the growing season.

The actual effect of increasing temperatures on water supplies and stream flow is not as well established. Few long-time records of stream flow are available. Some of the longest are those of the upper Missouri at Fort Benton, the Red River of the North at Grand Forks, and the Arkansas at Canon City where records have been kept continuously since 1831, 1832 and 1838 respectively. As shown by ten-year progressive averages, records at all three stations, while showing upward trends during the early part of the record, have, over the past three or four decades, developed definite and unmistakable downward trends of far-reaching proportion.



Beginning the earliest and showing the most marked decline in water supply, runoff in the Red River has decreased (Fig. 12) from an average of 2,500,000 acre feet per year for the ten-year period 1901-1910 to 490,000 acre feet per year for the last ten-year period, 1929-1938, a reduction of more than 80%.

While beginning its decline somewhat later, the upper Missouri water supply is likewise dropping off at a rapid rate (Fig. 13). From an average of 7,556,000 acre feet per year for the ten-year period 1908-1917, it has fallen off 49%, to an average of 3,608,000 acre feet per year for the 1929-1938 period.

The mountain portion of the Arkansas did not begin its downward trend until a still later date, (Fig. 14), but it has dropped from a 601,800 acre foot average for the 1914-1923 period to 422,900 for the 1928-1937 period.

No continuous long-time records are available in Kansas. On the Blue, there is a 10-year record covering the period 1896-1905. There is then a break in the record until 1919. (Fig. 15). The average annual water supply of this stream for earlier period is 1,670,000 acre feet. For the shorter record, the Blue shows a decline from an average of 970,000 acre feet per year for the 1919-1928 period to 652,900 acre feet per year for the 1931-1940 period.

These declines cannot be accounted for by increased consumptive uses. There is no general use for irrigation on the Red and the Blue. Increased irrigation uses above Fort Benton can account for not more than 400,000 acre feet of the 3,900,000 acre foot decline during this period. There has been but a minor increase above Canon City. That is probably fully offset by water from transcontinental diversions.

A further indication that this decline in streamflow may be general is found in a statement of Lawrence C. Crawford, District Engineer, U. S. Geological Survey. (Civil Engineering, January 1941). He said, "The records for the Mississippi River Basin above Keokuk which have been collected and furnished by the Mississippi River Power Company have recently been brought up to date by this office through which current-meter measurements are made to check the ratings in use at the dam." He shows the temperature, rainfall, runoff and water-loss data for the period of discharge records at this station and adds, "The records of precipitation and temperature have been obtained from the official records of the U. S. Weather Bureau. As will be seen by the ten-year progressive averages, a rather marked decrease in rainfall has occurred since 1910. A fairly steady increase in mean annual temperature has occurred since the beginning of record, this being particularly apparent in the last ten years. In consideration of these trends, the gradual decrease in streamflow since 1910 is of considerable interest."

Another index of the increase in water loss is found in the decline of such closed bodies of water as Devils Lake in North Dakota. From the earliest records available, about 1870, the area and elevation of Devils Lake have been decreasing steadily. (Fig. 16). It, like the ancient Lake Bonneville of Utah, has had no outlet since it dropped below an elevation several hundred feet higher, which it had, probably, at the end of the last glacial period. At this time, its elevation is about 35 feet below the 1870 elevation.

Several explanations for this lowering have been made.

A publication of the North Dakota Planning Board says, "There have been many contributing factors to this decline of Devils Lake but the largest single factor perhaps is the plowing up of the native sod and the growing of cultivated crops, thus retarding the runoff and increasing evaporation from the ground surface and transpiration from plant life."

This theory is set forth in more detail by the late Dr. Howard E. Simpson, State Geologist of North Dakota. (Geology and Ground-Water Resources of North Dakota, 1929). He said "The tough impermeable sod has been broken up and destroyed, and mellow cultivated fields have taken its place. Run-off is retarded, rainfall is

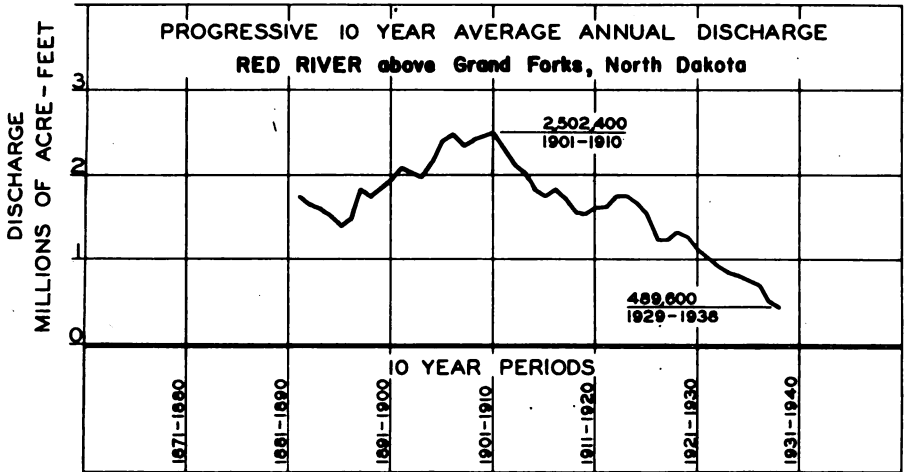


FIG. 12

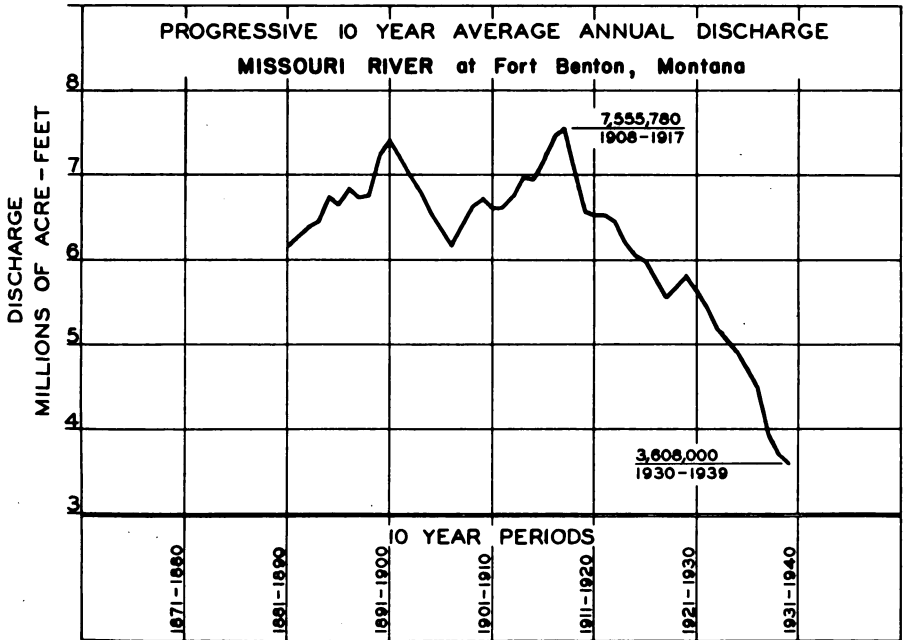


FIG. 13

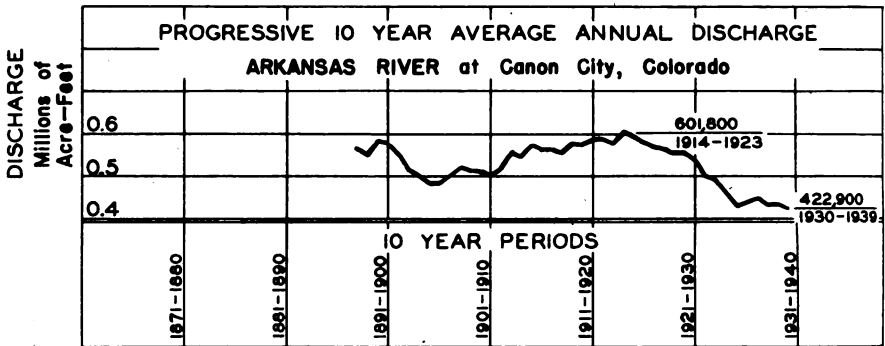


FIG. 14

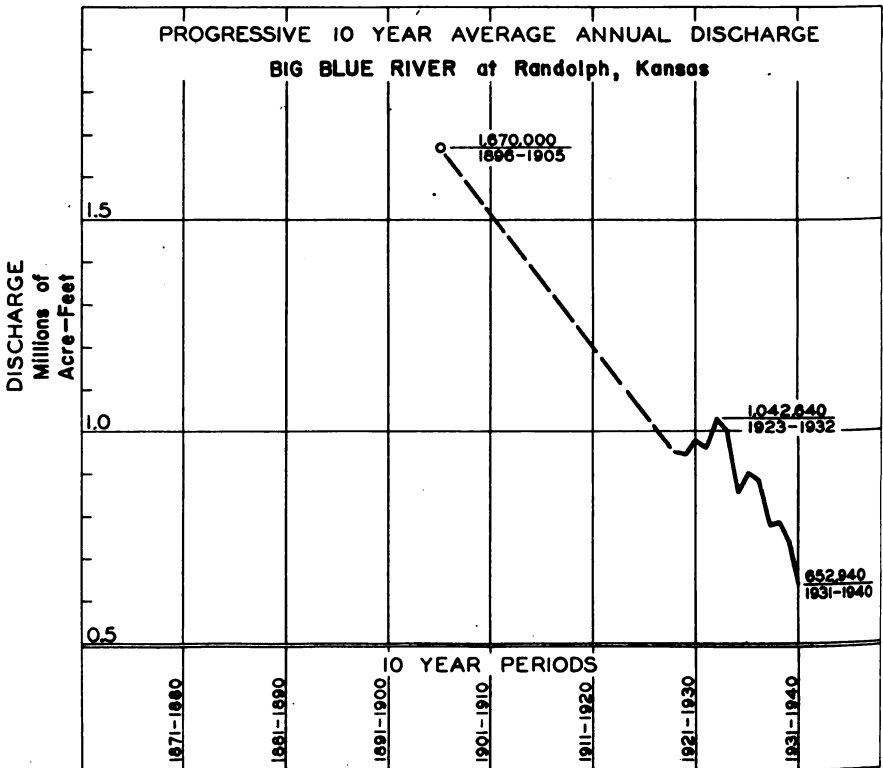


FIG. 15

rapidly absorbed, but evaporation from the cultivated soil is rapid, providing the fields are not frequently worked, owing to its porous character, and the new vegetation makes an almost insatiable demand upon the ground water."

The matter has also had the attention of the Corps of Engineers, U. S. Army. (House Document No. 83, 73rd Congress, 1st Session, James River, North Dakota and South Dakota). They made the statement: "Since 1883 the area and elevation of Devils Lake and the neighboring bodies of water has been steadily reduced. This has usually been ascribed to the increased transpiration and evaporation resulting from the conversion of sodded prairie into wheat land. During the past 15 years, the net losses of water from the lake have averaged 32,500 acre feet annually. There is no indication of any corresponding diminution of rainfall."

None of the three refer to, or seem to intimate, what probably is the greatest single factor - the consistent upward trend in temperatures during that period. A curve of the increase of land in cultivation in the area does not correspond with the period of the most rapid lowering of lake levels.

At this time, Devils Lake is but an insignificant remnant of what it was when the city of Devils Lake was founded on its shore. The residus of water, like that of Great Salt Lake, contains such a high concentration of salts that it does not support fish life, and is unfit for any purpose. Once the outstanding recreational center of that state, it no longer attracts visitors. A large pleasure boat, in operation in the eighties, is now rotting at its dock three miles from the present shore line.

SURFACE ELEVATION
DEVILS LAKE
NORTH DAKOTA
1870-1938

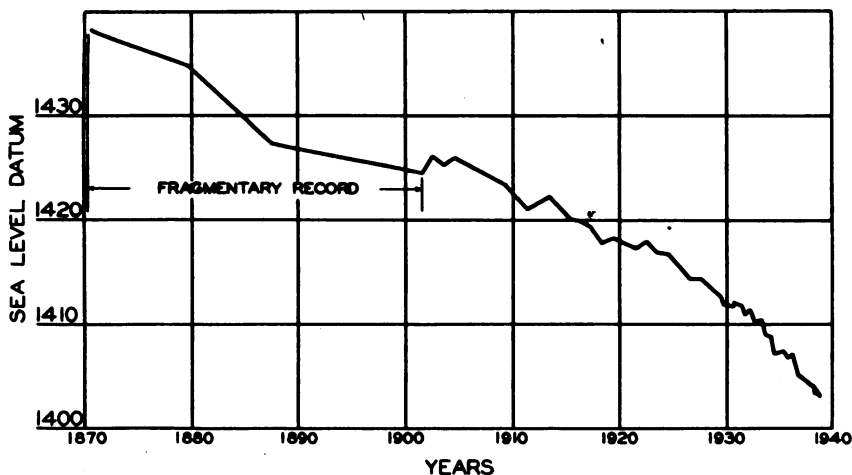


FIG. 16

No complete picture of the decrease in water supplies in Kansas can be shown. Probably we can visualize it best by considering the relations between increasing temperatures and diminishing water supplies already shown and turning our attention to state-wide records of temperature and precipitation. (Fig. 17).

Publication of state-wide records by the Weather Bureau began with precipitation in 1881 and temperature in 1887. With some irregularities, the temperature has been in an upward trend since state-wide records are available. Rainfall shows more of a tendency to fluctuate. There is again the suggestion of three cycles, as there was in most of the other rainfall graphs. There is nothing in these fluctuations, however, to justify a conclusion that determinable cycles are revealed. Generally speaking, rainfall trends have been downward from the high of 29.54 inches for the 1900-1909 period to 23.26 inches for the 1931-1940 period. The highest year was 40.77 inches in 1915 and the lowest 18.31 in 1936.

The evaporation curve is the composite of the April to September records from the Bureau of Plant Industry pans at Hays, Garden City and Colby. During the period when state-wide temperatures rose from 54.87 degrees to 56.55 degrees - that is 1.68 degrees - summer evaporation rates in western Kansas rose from 45.18 inches to 55.15 inches - 9.97 inches. The increase in annual water loss would, of course, be more than that if the water was available. Obviously, actual water loss was less, but has been increasing as long as temperatures have been increasing, and since it has been increasing, water supplies have been affected adversely and to a greater degree than is generally realized.

Quoting a statement in Water Supply Paper 846, "Runoff or stream flow represents the part of the precipitation that remains after the demands of evaporation, transpiration, and deep ground water flow have been satisfied. Therefore, runoff is appropriately considered in the hydrologic cycle as a residual component of precipitation." For that reason, in a region of low precipitation, small climatic changes that seem to be insignificant in themselves may have large effects on runoff. Many examples could be given but the following should give us a clear conception of the situation.

For the period for which records are available, since 1918, rainfall over the Kansas River watershed above Topeka has averaged about 24 inches. Runoff from the area has amounted to an average of a little less than one inch in depth from the area. Evaporation and the use of water by growing vegetation accounted for the balance - 23 inches. Assuming no change in rainfall, if increases in temperature raise "evapo-transpiration" losses 2%, to 23 1/2 inches, runoff would be reduced to one-half inch or 50%.

The foregoing analysis shows the reasons for acute water shortages of recent years and why in the Walnut Valley a reduction of 18% in rainfall and an increase of 2.8% in temperature caused a 48% reduction in stream flow and left farmers, cities and industries in the area in a serious condition for want of water.

The period in which the most acute water shortages occurred was the decade of the thirties. A period of more abundant rain began with 1940. In 1941, Kansas experienced the second wettest year of record, 36.92 inches as compared to 40.77 in the wettest year, 1915. Temperatures, however, did not return to those of 1915, as is shown in the following comparison.

STATE OF KANSAS

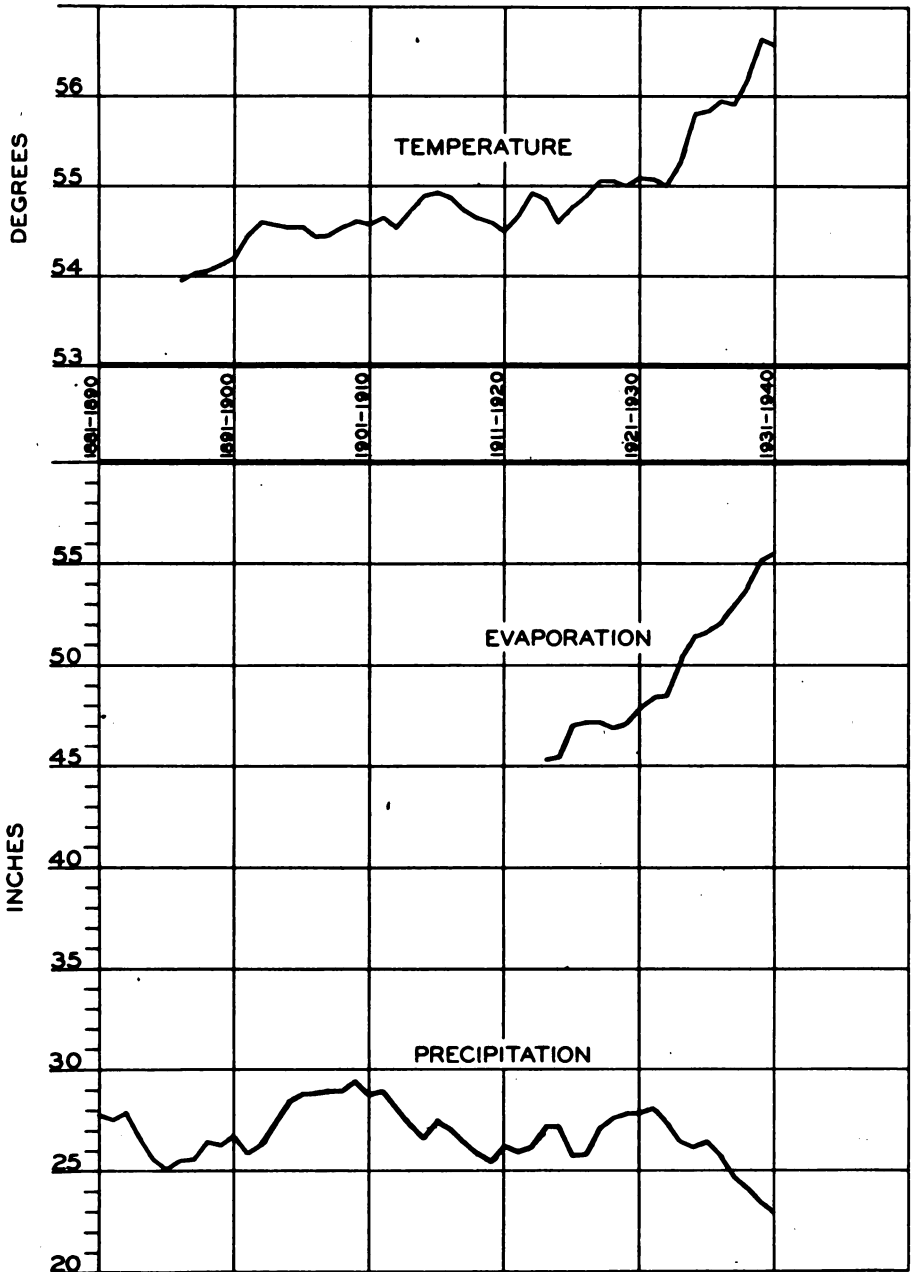


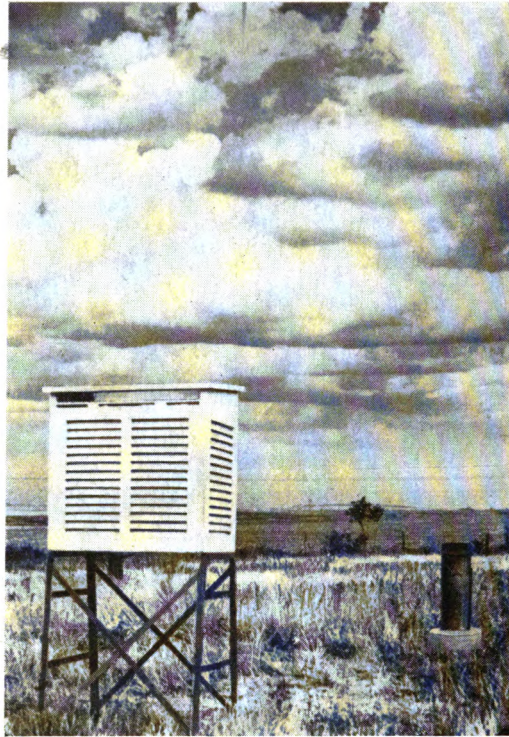
FIG. 17

NUMBER OF 100-DEGREE DAYS IN KANSAS
COMPARISON
1915 with 1941

| Month | No. 100° Days | | Hottest Day | | Difference |
|-----------|---------------|------|-------------|------|------------|
| | 1915 | 1941 | 1915 | 1941 | |
| May | 0 | 2 | 96 | 102 | 6 |
| June | 0 | 3 | 99 | 106 | 7 |
| July | 5 | 18 | 105 | 110 | 5 |
| August | 0 | 14 | 98 | 110 | 12 |
| September | 2 | 4 | 100 | 103 | 3 |
| Total | 7 | 41 | | | |

It will be noted that there were forty-one days in 1941 when the temperature at some Weather Bureau Station in the state reached 100 degrees or more, while in 1915 there were but seven. Comparing maximum temperatures, each of these months was higher in 1941 than in 1915. The greatest difference was in August, when the 1941 maximum was twelve degrees above that in 1915.

With the higher temperature-rainfall relationship in 1941 it is obvious that "water loss" was greater in 1941 than in 1915, and that it is continuing to increase. Possibly something can be done to minimize uneconomic water losses. Weeds, as well as crops, consume water. In some areas, one gets the impression that weeds may be consuming as much water as crops. Effective weed eradication and control can do much to reduce wasteful loss by transpiration. Possibly tillage practices can be developed which will reduce evaporation losses from the land, and those constitute by far the largest losses. As demands for water increase, or as the supply decreases, more effective control through storage will be required.





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