

CLIMATOLOGICAL DATA

12

KANSAS SECTION

S. D. FLORA

VOL. XLIX TOPEKA, KANS., MAY, 1935 No. 5

GENERAL SUMMARY

This was the wettest month on record in Kansas except May, 1903, and June, 1908. It was, also, a near record breaker for chilly weather so late in the spring, being the fifth coolest May since the State-wide record was begun 48 years ago and 10.6° cooler than May one year ago.

The month's rainfall exceeded 10 inches over nearly all the south-central, southeastern, and east-central counties and exceeded five inches in almost every county east of the 100th Meridian. Only a few counties along the Colorado line received less than normal moisture. Chanute reported a total of 17.29 inches which is a record exceeded in past years at only five other places in the State.

The average for the eastern third of the State was 10.22 inches; the middle third, 8.46 inches; the western third, 4.65 inches; and for the State as a whole, 7.78 inches, which is 4.01 inches above normal. Over the eastern third of the State rain fell almost every day of the month. In the central and western thirds rains began near the end of the second week and continued with a few breaks until the close. The average number of days with .01 inch or more for the State as a whole was 15, which was equalled in May, 1903, but has never been exceeded in any month of record.

The mean temperature of the month, 59.0° , was 4.7° below normal. There were few breaks in the cool weather. The highest reading was 98° at Ashland on the 11th and the lowest, 27° near Burr Oak, Jewell County, on the 5th. Freezing weather occurred on the 4th or 5th in all the extreme western counties.

Overflows occurred in almost every river of the State, except the Kansas, and on the last day it was rising towards bankfull.

Crops were 10 days to 3 weeks behind the season by the close of the month. Planting corn was mostly done in the southeast quarter and some corn was cultivated but it was evident much replanting would be necessary. Wheat was in full head the closing week and in the extreme southern counties of the eastern half was showing signs of ripening. Pastures made a fine growth. Cutting alfalfa and planting grain sorghums were delayed by unfavorable weather.

IMPORTANT MISCELLANEOUS PHENOMENA

Freezing weather occurred during the first week on one or two mornings in the northern row of counties from Jewell west and in the two western tiers of counties, but little or no damage resulted.

Dust storms of more or less severity occurred over most of the western third of the State and a number of north-central counties on the 1st and in the western third of the State were rather frequent up to the 12th. They broke out again in many parts of the western third the last week of the month and were reported at a large number of places in that section on the 31st. At Dodge City there was dense dust on the 1st, 2d, 8th, and 31st. On the 1st at that place semi-darkness resulted, on the 2d the dust was prolonged and City schools did not open, on the 31st the dust was thick enough to limit visibility to 500 feet for 30 minutes.

Light hail was reported on the 1st at St. Joseph and Florence; on the 2d at Olathe; on the 3d at Willard; on the 8th at Florence; on the 11th at Carbondale, Florence, Hutchinson, and Minneapolis; on the 12th at Wichita, Kansas City, Paola, and Florence; on the 13th at Olathe, Anthony, and Clifton; on the 18th at Ashland; on the 19th at Atchison, Olathe, Paola, Hanover, and Lincoln; on the 20th at Willard; on the 22d at Garnett, Iola, Overbrook, and Florence; on the 25th at Lakin and near Kismet; on the 26th at Leoti and Sublette; on the 27th at Florence, Ashland, Bucklin, and Minneola; and on the 29th at Parsons.

Moderate hail was reported on the 8th at Valley Falls; on the 10th at Healy; on the 11th at Minneapolis, Alden, and Larned; on the 12th at Pleasanton; on the 19th at Emporia; on the 26th at Plainville and near Kismet; and on the 27th and 28th at or near Syracuse.

Heavy hail was reported on the 8th at Hutchinson; on the 27th near Lakin; and on the 28th at Coldwater.

Reports of especially severe hail and wind storms are tabulated elsewhere in this report.

OVERFLOWS OF THE MONTH

Overflows occurred in the Blue, Solomon, Republican, Smoky Hill, Cottonwood, Neosho, Osage(Marais des Cygnes), and Kansas River basins during the month, with

damage totalling \$939,500 and two lives lost. The greater part of this damage was along the Neosho and Osage rivers. Overflows also occurred in the Marmaton, Verdigris, Walnut, Arkansas, and Little Arkansas Rivers.

The Blue River reached a crest of 24.9 feet at Blue Rapids on the 22d and somewhat over 20 feet at Randolph the following night, with damage in Kansas estimated at \$52,500.

The Solomon River overflowed twice at Beloit but did not overflow in its lower reaches. On the 21st a crest of 22.3 feet was reached at Beloit and on the 30th a crest of 25.5 feet occurred, with total damage estimated at \$31,000.

The Republican River reached a crest of 9.6 feet at Concordia on the 28th, which is but 1.6 feet above bankfull. Damage was small.

The Smoky Hill reached a crest of 22.2 feet at Lindsborg on the 23d and again overflowed on the 29th, with a crest of 21.2 feet. Loss was immaterial.

The Cottonwood River reached a crest of 21.4 feet at Emporia on the 30th. This overflow was but 1.4 feet above bankfull and the resulting damage was small.

The Neosho River overflowed from Emporia to the Oklahoma line, reaching crests as follows: Neosho Rapids, 23.7 on the 30th; LeRoy, 25.5 on the 29th; Iola, 18.8 on the Continued on Page 39.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches)				Aver. No. of days		
	Mean	Maximum		Eastern division	Middle division		Western division	State	Snow inundated	With 0.01 in. or more precip.
		Max.	Min.		Average	Max.				
1887.....	69.5	98	30	2.81	1.85	2.64	2.43	.....	.....	.....
1888.....	61.7	105	30	3.50	3.20	3.08	3.24	0	8	11
1889.....	62.9	100	25	7.35	5.99	3.18	5.49	0	7	12
1890.....	64.4	106	25	3.63	1.83	0.99	2.15	0	6	10
1891.....	62.1	96	27	4.97	5.39	3.99	4.78	0	8	10
1892.....	58.5	96	27	8.72	6.60	5.27	5.86	T.	13	6
1893.....	61.5	103	17	5.22	2.44	1.45	3.04	0	8	13
1894.....	65.2	102	20	2.72	2.17	1.72	2.20	0	5	10
1895.....	65.8	106	26	3.35	1.46	2.89	2.57	0	5	14
1896.....	60.3	107	30	7.53	4.14	1.81	4.49	0	8	10
1897.....	64.1	98	30	2.26	2.85	1.52	2.04	0	7	12
1898.....	62.9	95	29	7.28	5.68	5.70	6.28	0	12	11
1899.....	67.4	105	24	4.25	4.22	1.69	3.39	0	9	12
1900.....	65.6	95	29	4.31	3.81	1.41	3.13	0	8	11
1901.....	63.1	95	25	1.73	1.75	1.37	1.62	0	6	15
1902.....	68.4	101	35	7.73	6.92	4.60	6.42	0	12	11
1903.....	62.4	92	20	10.23	9.71	3.84	7.93	0	15	8
1904.....	62.4	94	21	7.21	5.74	3.35	5.43	T.	11	13
1905.....	63.1	95	29	5.58	4.01	3.57	4.42	T.	10	13
1906.....	65.0	95	25	3.23	2.56	1.69	2.49	0	8	12
1907.....	58.3	99	17	3.44	2.02	1.66	2.37	0.9	8	13
1908.....	63.8	102	25	7.75	5.42	2.03	5.07	T.	11	10
1909.....	62.2	106	14	5.06	3.78	2.15	3.66	0	8	14
1910.....	60.0	100	24	7.69	4.51	2.29	4.89	T.	12	11
1911.....	66.7	102	24	2.41	3.19	2.39	2.66	T.	8	14
1912.....	66.8	100	28	4.45	2.95	1.20	2.87	0	6	18
1913.....	66.7	107	32	4.75	2.58	1.36	2.90	0	7	16
1914.....	64.9	98	28	3.03	3.33	3.77	3.39	0	9	11
1915.....	60.3	96	27	8.59	6.69	5.28	6.65	0.2	12	14
1916.....	64.2	102	24	5.14	3.81	1.01	3.32	0	8	16
1917.....	57.5	100	20	4.76	3.60	2.14	3.50	0.1	9	12
1918.....	67.6	100	25	4.82	4.48	3.14	4.13	0	9	15
1919.....	61.3	90	32	3.83	3.23	1.85	2.97	0	9	11
1920.....	63.2	96	32	3.20	3.28	2.74	3.07	T.	9	8
1921.....	65.5	100	28	4.21	1.92	1.70	2.61	T.	6	14
1922.....	64.6	92	33	4.34	4.74	2.83	3.97	0	11	13
1923.....	61.3	94	25	4.41	6.13	6.70	5.75	T.	12	12
1924.....	58.1	95	26	3.05	2.12	1.18	2.12	T.	7	14
1925.....	62.9	104	28	2.57	1.90	2.02	2.16	0	7	15
1926.....	66.8	99	30	2.80	1.91	1.58	2.20	0	8	15
1927.....	65.5	105	26	3.34	1.70	0.70	1.91	T.	5	15
1928.....	64.9	101	32	2.48	2.64	5.47	3.53	T.	9	16
1929.....	61.2	94	27	6.54	4.68	3.06	4.76	T.	10	9
1930.....	62.6	98	29	4.54	5.09	3.46	4.36	0.1	10	15
1931.....	60.5	99	25	4.03	2.95	1.68	2.89	0.3	7	16
1932.....	65.6	95	30	2.90	2.63	1.23	2.25	0	7	17
1933.....	64.3	105	32	5.21	2.71	3.48	3.80	T.	8	15
1934.....	69.6	106	35	4.21	3.00	1.24	2.82	T.	6	19
1935.....	59.0	98	27	10.22	8.46	4.65	7.78	0	15	5
Period.....	63.7	107	14	4.85	3.82	2.65	3.77	T.	9	13
									10	8

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea level)				Wind			Relative humidity			
	Mean	Highest	Date	Lowest	Date	Av. hly velocity	Max. velocity	Direction	Date	7 a. m. 12 noon	7 p. m. Percentage of sunshine
Concordia.....	29.98	30.50	4	29.45	1	9.1	23	se.	11	86	64
Dodge City.....	29.94	30.44	4	29.45	1	13.2	50	s.	31	84	59
Goodland.....	.....	.....	.....	.....	.....	9.0	31	.....	2	.....	.....
Kansas City, Mo.	29.96	30.43	3	29.40	1	9.1	34	nw.	1	89	70
St. Joseph, Mo.	29.97	30.44	3	29.42	1	8.2	27	n.	8	87	68
Topeka.....	29.92	30.38	4	29.43	1	10.9	30	nw.	27	84	67
Wichita.....	29.99	30.40	4	29.44	1	11.2	31	se.	27	80	69

Note: All wind velocity records, except those for Goodland, in this table are corrected values, obtained from 4-cup anemometers.

CLIMATOLOGICAL DATA FOR MAY, 1935																			
Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				Number of days				Prevailing direction of wind	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unfilled)	With precipitation 0.01 inch or more	Clear	Partly cloudy	Cloudy	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unfilled)	With precipitation 0.01 inch or more	Clear	Partly cloudy	Cloudy	
<i>Eastern Division</i>																			
Atchison.....	Atchison.....	973	44	58.4	-5.6	83	12	38	4	32	9.58	+4.97	2.14	0	20	4	10	17	A. Lingenfelter, O.S.B.
Bazaar[!near].....	Chase.....	1,260	30	59.6	-4.5	88	12	36	4†	32	9.91	+5.66	2.00	0	14	Mrs. T. H. McCabe
Blue Rapids.....	Marshall.....	1,105	41	61.1	-4.0	85	12	40	4†	31	9.54	+4.75	2.30	0	16	2	12	17	Chas. S. Saville
Burlington.....	Coffey.....	1,010	41	61.1	-4.0	85	12	40	4†	31	9.54	+4.75	2.30	0	16	8	10	13	Mabel M. Hunt
Carbondale.....	Osage.....	1,078	13	.....	.....	.....	.....	.....	.....	11-82	+7.49	3.27	0	16	.....	.....	.....	W. Lowes
Centralia[near].....	Nemaha.....	1,256	25	57.4	-5.5	82	1	36	4†	36	4.39	+0.55	1.03	0	15	A. E. Myers
Chanute.....	Neosho.....	940	30	62.3	-3.8	86	31	41	4†	30	17.29	+12.29	4.59	0	19	6	9	16	Fletcher MacLary
Coffeyville.....	Montgomery.....	744	6	.....	.....	.....	.....	.....	.....	6.12	.....	1.33	0	12	7 ^a	4 ^b	19 ^a	Andrew Smith
Columbus.....	Cherokee.....	898	44	62.2	-3.5	85	12†	41	4†	32	9.22	+3.80	2.29	0	18	1	8	22	O. E. Skinner
Council Grove.....	Morris.....	1,234	26	60.4	-3.6	87	1	38	24	32	7.59	+3.53	2.17	0	13	0	14	17	A. H. Prater
Elmdale.....	Chase.....	1,195	11	.....	.....	.....	.....	.....	.....	10.98	+6.91	2.17	0	16	.....	.....	.....	Mrs. R. S. Patterson
Emmett.....	Pottawatomie.....	1,024	22	.....	.....	.....	.....	.....	.....	9.21	+5.19	1.68	0	17	.....	.....	.....	D. F. Miller
Eupora.....	Lyon.....	1,133	53	60.0	-4.4	85	1†	38 ^a	24	32 ^a	9.30	+4.37	2.63	0	16	4	7	20	Wm. G. Thomas
Eskridge.....	Wabaunsee.....	1,412	28	59.8	-3.6	85 ^a	1†	38	4	33 ^a	12.89	+8.06	3.72	0	15	8	12	11	W. R. Logan
Eureka[near].....	Greenwood.....	1,079	38	61.5	-3.0	87	12	38	5	30	11.37	+6.52	2.90	0	16	1	17	13	Ed Knudsen
Fort Scott.....	Bourbon.....	857	59	61.6	-3.9	87	12†	40	4†	30	11.28	+5.85	3.50	0	22	2	14	15	E. A. Shaver
Fredonia.....	Wilson.....	864	81	62.0	-3.6	85	12	39	5†	31	9.18	+4.16	2.03	0	19	4	7	20	B. W. Holmes
Garnett.....	Anderson.....	1,046	23	.....	.....	.....	.....	.....	.....	9.10	+4.51	2.04	0	16	5	14	12	C. C. Blood
Holtton.....	Jackson.....	1,043	23	.....	.....	.....	.....	.....	.....	9.00	+4.34	1.24	0	18	.....	.....	.....	John Darlington
Horton[near].....	Brown.....	1,188	45	57.3	-5.5	80	1	35 ^a	4	32 ^a	6.73	+2.24	1.28	0	16	3 ^c	8 ^c	13 ^c	Harry L. Cotton
Howard.....	Elk.....	1,112	23	.....	.....	.....	.....	.....	.....	10.63	+5.95	2.18	0	16	3	15	13	J. R. Kingsley
Independence.....	Montgomery.....	800	63	63.1	-3.3	87	12	41	5	32	6.26	+1.56	1.08	0	18	3	4	24	F. L. Kenoyer
Iola 1.....	Allen.....	984	30	61.9	-3.0	84	12†	40	4†	29	12.08	+7.38	4.24	0	22	1	9	21	U. S. Weather Bureau
Iola 2.....	Allen.....	957	3	.....	.....	.....	.....	.....	.....	11.65	.....	4.25	0	20	.....	.....	.....	Roy C. Crawford
Junction City.....	Geary.....	1,078	6	.....	.....	.....	.....	.....	.....	10.29	+6.19	2.62	0	17	3	15	13	L. W. Sargent
La Cygne.....	Linn.....	827	6	.....	.....	.....	.....	.....	.....	7.48	.....	1.68	0	17	3	12	16	Mrs. Ida H. Dyer
Lawrence.....	Douglas.....	1,018	66	60.2	-4.1	88	12	39	4	29	11.00	+6.29	3.27	0	18	1	12	18	Prof. C. J. Posey
Leavenworth.....	Leavenworth.....	913	80	60.2	-4.9	85	12†	38	4	29	12.47	+7.96	2.02	0	20	8	2	21	M. R. Rhodes
Lebo.....	Coffey.....	1,138	48	59.8	-5.0	86	12	39	4†	32	9.60	+4.73	2.89	0	18	3	13	15	L. J. Bowman
LeRoy.....	Coffey.....	990	25	.....	.....	.....	.....	.....	.....	10.14	+5.34	2.68	0	18	.....	.....	.....	F. W. Schmitt
Lyndon (near).....	Osage.....	1,006	11	.....	.....	.....	.....	.....	.....	14.09	+9.69	5.25	0	15	.....	.....	.....	H. E. Olson
McFarland.....	Wabaunsee.....	1,025	17	.....	.....	.....	.....	.....	.....	8.00	+4.24	2.43	0	14	.....	.....	.....	C. H. Forinash
Manhattan.....	Riley.....	1,100	76	60.2	-4.3	86	1	36	5	36	7.62	+3.29	1.67	0	16	6	6	19	G. E. Raburn
Neosho Rapids.....	Lyon.....	1,092	29	.....	.....	.....	.....	.....	.....	8.08	+3.63	1.97	0	15	.....	.....	.....	Jas. F. Irwin
Oketo.....	Marshall.....	1,231	26	57.9	-4.8	81	1	34	5	40	10.04	+6.06	3.55	0	15	2	6	23	J. A. Church
Olathe.....	Johnson.....	1,032	39	60.0	-4.5	85	12	39	4	32	16.22	+11.28	3.18	0	18	4	8	19	E. T. Randall
Osage City.....	Osage.....	1,081	36	60.4	-3.3	86	12	39	4†	26	13.33	+9.83	4.13	0	21	2	15	14	M. E. Nichols
Oswego.....	Labette.....	899	45	.....	.....	.....	.....	.....	.....	10.13	+5.41	2.91	0	16	.....	.....	.....	G. W. Albrecht
Ottawa.....	Franklin.....	891	40	60.0	-4.3	86	12	39	4†	30	9.10	+4.33	2.14	0	19	6	7	18	W. J. Sheldon
Overbrook.....	Osage.....	1,100	7	.....	.....	.....	.....	.....	.....	12.25	.....	2.98	0	20	2	13	16	F. C. Butel
Overbrook [near].....	Douglas.....	1,100	13	.....	.....	.....	.....	.....	.....	12.65	+8.15	3.55	0	18	.....	.....	.....	Walter Schwarz
Paola.....	Miami.....	865	28	.....	.....	.....	.....	.....	.....	11.56	+6.62	3.48	0	18	5	11	15	C. W. Ricketts
Parsons.....	Labelle.....	898	10	63.2	-3.2	87	12	41	4†	31	13.28	+8.69	5.95	0	13	1	14	16	Jas. M. Curran
Pittsburg.....	Crawford.....	934	21	.....	.....	.....	.....	.....	.....	6.98	+1.79	1.70	0	17	3	11	17	W. P. Conner
Pleasanton.....	Linn.....	862	32	.....	.....	.....	.....	.....	.....	8.44	+3.71	2.35	0	15	3	12	16	Samuel Tucker
Pomona [near].....	Franklin.....	1,000	13	.....	.....	.....	.....	.....	.....	11.51	+7.36	2.83	0	19	3	6	22	Mrs. Dora A. Scovill
Quenemo.....	Osage.....	941	22	.....	.....	.....	.....	.....	.....	10.70	+6.37	2.25	0	12	.....	.....	.....	W. T. Windett
Randolph.....	Riley.....	1,052	17	.....	.....	.....	.....	.....	.....	6.58	+3.16	1.42	0	17	5	4	22	F. J. Newman
Reading.....	Lyon.....	1,079	15	.....	.....	.....	.....	.....	.....	11.04	+7.94	2.00	0	17	.....	.....	.....	E. M. Cross
Sedan.....	Chautauqua.....	834	49	63.0	-3.0	88	12	40	4†	37	8.02	+2.98	1.57	0	20	13	9	9	A. B. Read
Tonganoxie [near].....	Leavenworth.....	829	4	.....	.....	.....	.....	.....	.....	11.10	.....	2.60	0	17	6	12	13	D. F. Smith
Topeka 1.....	Shawnee.....	986	48	59.4	-4.9	90	12	38	4	34	10.60	+6.60	3.79	0	17	2	14	15	U. S. Weather Bureau
Topeka 2.....	Shawnee.....	903	10	61.0	-3.8	89	12	38	24	35	10.07	.....	2.91	0	17	.....	.....	A. D. Robb
Toronto.....	Woodson.....	1,040	37	62.4	-2.8	87	12	40	4†	30	14.68	+9.99	4.32	0	19	12	9	10	M. A. Webb
Valley Falls.....	Jefferson.....	913	35	59.4	-4.3	85	12	38	24	34	12.90	+8.67	6.05	0	17	6	5	20	J. M. Piazek
Vinland.....	Douglas.....	880	25	.....	.....	.....	.....	.....	.....	11.91	+7.19	3.45	0	16	.....	.....	.....	A. Schick
Wagstaff II.....	Miami.....	975	25	.....	.....	.....	.....	.....	.....	13.57	.....	3.36	0	18	7	2	22	P. Behndorf
Walnut.....	Crawford.....	940	32	.....	.....	.....	.....	.....	.....	13.32	+8.21	2.49	0	13	.....	.....	.....	R. C. Hartlan
Wamego.....	Pottawatomie.....	992	41	60.0	-4.7	87	1	39	5	33	8.02	+3.34	2.47	0	16	8	11	12	B. A. Larson
Wheaton.....	Pottawatomie.....	1,450	17	.....	.....	.....	.....	.....	.....	9.18	+5.68	2.35	0	13	.....	.....	.....	Walter Kral
Willard.....	Shawnee.....	917	6	.....	.....	.....	.....	.....	.....	10.71	.....	4.50	0	15	.....	.....	.....	I. S. Lanck
Kansas City, Mo.....	750	47	59.8	-5.0	89	12	39	4	29	9.39	1.90	0	22	1	8	22	U. S. Weather Bureau		
St. Joseph, Mo.....	987	26	58.2	-6.0	80	12	39	4	29	7.92	+3.93	1.70	0	20	3	9	19	U. S. Weather Bureau	
For the Division.....	60.4	-4.1	90	12	34	5	40	10.22	+5.37	6.05	0	17	4	10	17	ne.	Geo. Klady		
Alden.....	Rice.....	1,684	24	60.0	-4.4	91	11	38	6	34	8.02	+4.15	2.60	0	17	4	12	15	H. A. Storer
Altou[near].....	Osborne.....	1,651	32	58.6 ^b	-4.3	92 ^b	11	35 ^b	5	45</									

CLIMATOLOGICAL DATA FOR MAY, 1935—Continued

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				Number of days			Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (united)	With precipitation 0.01 inch or more	Clear	Partly cloudy	Cloudy	
<i>Middle Division—Continued</i>																			
Hays	Ellis	2,000	66	58.4	-3.6	91	11	37 ^a	5†	44 ^a	6.27	+2.99	2.18	0	15	6 ^b	10 ^b	4 ^b	A. L. Hallsted
Herington	Dickinson	1,328	16	59.4	.....	85	1	25	24	31	6.92	+3.50	1.95	0	13	13	7	11	W. C. Tegmeier
Hesston	Harvey	1,483	12	.....	.....	.....	.....	.....	.....	.....	9.92	+5.76	2.28	0	17	.....	.....	.....	Amos Gingerich
Holington [near]††	Barton	1,860	.....	.....	.....	.....	.....	.....	.....	.....	5.60	.....	2.19	0	14	6	11	14	F. C. Ellgen
Hudson	Stafford	1,867	13	.....	.....	.....	.....	.....	.....	.....	6.86	+3.25	2.47	0	11	13	6	12	C. E. Durham
Hutchinson	Reno	1,535	44	60.5	-4.0	87	1†	39	5	90	14.02	+10.04	2.55	0	15	4	6	21	Mrs. E. F. Plouffe
Kingman	Kingman	1,504	7	49	59.2	-4.3	92	11	38	3†	89	8.54	.....	1.82	0	12	.....	.....	L. G. Dale
Larned	Pawnee	2,090	49	59.2	.....	.....	.....	.....	.....	.....	8.21	+4.89	1.85	0	13	3	12	16	H. H. Holcott
Lincoln	Lincoln	1,374	22	60.5 ^b	-3.4	91 ^a	11	35	6	44 ^a	6.69	+3.65	1.55	0	14	0	10	21	R. W. Greene
Lindsborg	McPherson	1,333	22	.....	.....	.....	.....	.....	.....	.....	5.91	+1.99	2.14	0	12	.....	.....	.....	A. J. Fredrickson
Lyons	Rice	1,696	3	.....	.....	.....	.....	.....	.....	.....	6.32	.....	1.78	0	17	.....	.....	.....	H. L. Ramage
McPherson	McPherson	1,495	48	60.8	-3.4	89	1	38	5	32	6.67	+2.12	1.69	0	16	5	7	19	Ed. Haberlein, Jr.
Marion	Marion	1,310	40	.....	.....	.....	.....	.....	.....	.....	8.26	+4.11	1.34	0	16	3	7	21	Dr. P. J. Garrison
Medicine Lodge	Barber	1,475	41	62.5	-3.8	91	11	39	5†	39	11.95	+7.88	3.61	0	13	8	12	11	S. P. Garrison
Medora	Reno	1,484	21	.....	.....	.....	.....	.....	.....	.....	12.02	+8.04	2.50	0	14	.....	.....	.....	A. M. Bear
Minneapolis	Ottawa	1,259	44	59.2	-4.4	84	11	38	5†	40	6.78	+3.04	1.55	0	15	4	14	13	J. E. George
Mt. Hope	Sedgwick	1,410	37	.....	.....	.....	.....	.....	.....	.....	9.67	+5.88	2.32	0	14	.....	.....	.....	W. R. Ives
Newton	Harvey	1,454	37	59.7	-4.7	85	1	37	5†	31	12.21	+7.13	2.54	0	19	1	12	18	S. E. W. Swim
Norwich	Kingman	1,496	33	61.7	-4.0	88	1†	36	5	44	10.43	+6.13	3.39	0	16	12	7	12	J. A. Green
Phillipsburg	Phillips	1,939	43	57.3	-5.1	92	11	29	5	44	5.19	+2.14	1.15	0	19	4	7	20	Mrs. Lila A. Lane
Plainville	Roos	2,156	28	57.1	-4.6	90	11	34	5	42	7.36	+4.45	3.00	0	19	4	10	17	Chas. Lambert
Pratt	Pratt	1,880	39	61.4	-3.6	91	11	38	5	36	9.02	+5.70	2.52	0	13	.....	.....	.....	Chas. W. Pratt
Russell	Russell	1,834	35	58.2	-5.0	91	11	35	6	43	5.58	+2.34	1.90	0	14	1	18	12	C. W. Woolman
Salina	Saline	1,227	60	60.6	-3.7	86	1†	40	6†	38	5.88	+4.73	2.63	0	13	2	13	16	E. A. Laubengayer
Sedgwick	Harvey	1,377	18	.....	.....	.....	.....	.....	.....	.....	10.57	+6.57	1.64	0	18	.....	.....	.....	Ernest Koch
Smith Center	Smith	1,800	24	.....	.....	.....	.....	.....	.....	.....	8.68	+5.52	2.90	0	11	.....	.....	.....	A. E. Nelson
Trousdale	Edwards	2,050	19	63.0 ^b	-3.4	87	1†	59 ^b	24	28 ^b	7.39	+4.44	2.41	0	12	16	6	9	H. L. Cudney
Wellington	Sumner	1,228	37	63.0 ^b	-3.4	87	1†	59 ^b	24	28 ^b	10.48	+6.08	3.20	0	14	.....	.....	.....	L. H. Sarchet
Wichita	Sedgwick	1,362	47	60.7	-4.4	85	1	40	5	27	11.22	+6.76	3.02	0	20	2	8	21	U. S. Weather Bureau
Winfield	Cowley	1,124	40	63.4	-2.8	88	8†	40	4†	31	11.22	+6.66	3.13	0	15	5	6	20	M. B. Light
For the Division .....		.....		60.0		-4.1		97		11		27		5		46		8.46	
<i>Western Division</i>																			
Ashwood	Clark	1,951	47	60.8	-4.5	98	11	35	6	42	6.68	+3.88	2.10	0	9	10	1	14	ne.
Atwood	Rawlins	2,894	37	55.4	-4.7	81	11†	28	5	44	4.33	+1.80	1.13	0	14	8	9	14	M. G. Stevenson
Bird City (near)	Cheyenne	18	.....	.....	.....	.....	.....	.....	.....	.....	2.36	-0.26	0.75	0	11	.....	.....	.....	A. H. Hilpert
Bucklin	Ford	2,418	15	.....	.....	.....	.....	.....	.....	.....	7.48	+4.73	2.42	0	11	.....	.....	.....	Henry Weaver
Cimarron	Gray	2,625	22	57.6	-5.2	94	11	33	6	43	5.69	+3.15	3.00	0	10	8	0	23	F. A. Gresham
Colby	Thomas	3,138	43	54.8	-5.3	85	31	29	5	40	3.41	-0.87	1.30	0	14	12	1	18	R. R. Crusinberry
Deerfield (near)††	Kearny	18	.....	.....	.....	.....	.....	.....	.....	.....	4.32	+1.87	1.70	0	11	.....	.....	.....	G. H. Kinkel
Dodge City	Ford	2,545	60	57.4	-6.1	95	11	35	4	34	4.40	+1.51	1.61	0	17	6	10	15	C. C. Butler
Dresden	Decatur	2,731	40	55.6	-5.0	83	31	28	5	43	5.05	+2.11	2.77	0	13	3	7	21	U. S. Weather Bureau
Elkhart	Morton	3,595	17	.....	.....	.....	.....	.....	.....	.....	1.39	+1.87	1.70	0	11	1	7	23	B. W. Wernette
Garden City ††	Sheridan	2,836	45	57.8	-5.7	94	11	31	3	41	4.95	+0.44	0.89	0	8	14	7	10	Fred Sutton
Goodland	Sherman	3,687	27	54.0	-4.9	88 ^a	31	29	5	39 ^a	2.50	-0.46	0.79	0	17	2	18	11	Ralph T. Kersey
Heavy	Lane	2,860	33	57.8	-3.8	91	26	33	4	45	5.28	+2.71	1.42	0	15	10	6	15	F. J. Horton
Hill City	Graham	2,134	26	57.2	-5.4	87	11	33	6	42	4.61	+1.59	1.79	0	13	1 ^a	8 ^a	9 ^a	H. S. Jennings
Hoxie	Sheridan	2,700	35	56.4	-5.1	83	31	31	5	41	3.77	+0.76	1.94	0	11	9	5	17	Alvin L. Law
Hugoton	Stevens	3,100	36	52.0	-2.9	95	11	35 ^a	6	46	2.71	+0.11	0.85	0	13	11	16	4	Nelson Long
Jetmore	Hodgeman	2,268	32	60.0	-2.9	86	31	30	5	45	4.08	+1.01	1.00	0	13	4 ^a	15 ^a	6 ^a	S. T. Townsdin
Johnson	Stanton	3,276	18	58.8	-4.0	91	11	29	3	43	1.80	-0.77	0.51	0	11	1	7	23	C. H. Guthrie
Kismet (near)	Seward	2,933	44	58.5 ^a	-4.5	91 ^a	11	31 ^a	3	37 ^a	4.94	+2.10	1.66	0	11	5	6	20	L. E. Van Meter
Lakin	Kearny	3,300	41	56.0	-4.8	85	31	32	6	45	3.53	+1.67	1.00	0	10	1	13	17	Dale E. Beard
Leoti	Wichita	2,843	27	58.3	-5.3	94	11	35 ^a	3	38 ^a	3.62	+1.00	1.05	0	13	6	10	15	J. W. Sinclair
Liberia	Seward	2,843	27	58.3	-5.3	94	11	35 ^a	3	38 ^a	3.62	+1.00	1.05	0	13	6	10	15	L. E. Gorsuch
Minneola	Clark	2,558	22	.....	.....	.....	.....	.....	.....	.....	5.87	+3.01	1.99	0	14	7 ^a	12 ^a	11 ^a	Chas. E. Wood
Ness City	Ness	2,260	37	.....	.....	.....	.....	.....	.....	.....	7.89	+4.62	1.84	0	11	6 ^b	7 ^b	17 ^b	D. M. Nicoll
Norton (near)	Norton	2,340	43	54.9	-6.3	85	11	30	5	41	4.82	+1.72	2.02	0	13	5	9	17	Knox Barnd
Oakley	Logan	3,049	15	55.2	-5.7	85	31	29	5	47	3.20	+1.60	1.67	0	15	6	12	13	Sim Steffel
Oberlin ††	Decatur	2,539	47	54.6 ^b	-6.4	81 ^a	11	24 ^a	5	45 ^a	3.79	+0.82	1.11	0	14	7	13	11	Prof. F. H. Bailey
Plains	Meade	2,766	24	.....	.....	.....	.....	.....	.....	.....	6.24	+3.68	2.05	0	9	9	12	10	E. W. Coldren
Quinter	Gove	2,664	8	55.0	-6.8	84	12†	35	4†	34	5.58	+2.77	1.04	0	16	5	12	13	P. S. Dahl
Kiehnfield	Morton	3,227	16	56.6 ^b	-6.0	94 ^a	11†	28 ^a	3	42 ^a	1.63	-0.43	0.65	0	9	5	12	10 ^a	H. R. Turtle
St. Francis	Cheyenne	3,288	26	5															

CLIMATOLOGICAL DATA: KANSAS SECTION

MAY, 1935

Daily Precipitation for May, 1935

Daily Precipitation for May, 1935 -Continued

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for the 24 hours, midnight to midnight. f Evaporation station. T. Trace, or less than 0.005 inch. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete. * Precipitation included in next following measurement.

DAILY EVAPORATION--INCHES--AND WIND MOVEMENT--MILES--FOR MAY, 1935

(See temperature and precipitation data in Climatological Tables.)

Stations	Data	Day of Month																													Monthly		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ribune.....	{ Evaporation.....	.391	.434	.338	.169	.174	.280	.408	.366	.353	.341	.395	.469	.263	.020	.046	.008	.130	.010	.026	.111	.057	.131	.262	.066	.126	.190	.295	.088	.058	.114	.108	6.222
	{ Wind movement.	413	317	341	217	112	86	170	120	248	151	318	211	205	252	121	101	206	243	135	213	269	158	211	98	253	166	127	127	179	75	281	6.184

* Included in next reading. § Incomplete. Wind velocity records in this table are made with 4-cup anemometers.

CLIMATOLOGICAL DATA: KANSAS SECTION

MAY, 1935

DAILY TEMPERATURES FOR MAY, 1935

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
<i>Eastern Division</i>																																	
Atchison	{ Maximum.....	77	73	50	45	61	69	74	78	71	76	77	83	66	55	51	59	66	59	76	61	70	66	59	71	73	72	72	75	76	77	70	67.8
	{ Minimum.....	48	48	40	38	39	46	46	52	46	44	57	51	54	49	45	48	50	50	51	54	49	51	44	57	57	54	54	59	59	49.1		
Bazaar (near)	{ Maximum.....	87	67	60	49	54	69	73	77	67	68	80	83	65	60	56	57	57	57	75	65	66	68	63	64	70	75	75	72	67	67.6		
Burlington	{ Maximum.....	59	54	42	36	39	46	52	45	47	46	59	60	54	53	46	48	49	54	60	52	54	47	36	44	56	60	58	60	58	51.5		
Chanute	{ Maximum.....	80	70	58	45	54	65	73	80	71	73	81	85	74	64	55	60	63	61	77	74	70	71	73	70	74	78	73	76	83			
	{ Minimum.....	55	54	44	40	47	45	46	49	49	49	59	61	60	53	47	49	50	54	53	58	53	49	48	40	54	57	60	59	59	62.3		
Council Grove	{ Maximum.....	59	68	45	41	41	48	47	54	54	54	59	63	62	54	49	50	60	52	55	57	59	52	51	50	41	54	58	64	62	60	56	54.2
	{ Minimum.....	87	82	58	46	60	71	70	74	71	73	80	86	71	58	53	58	60	57	78	73	68	69	81	70	73	80	77	78	74	75	80	69.9
	{ Minimum.....	55	53	41	39	40	45	34	46	47	48	59	64	56	51	46	47	45	54	58	58	51	49	45	38	63	58	62	58	60	59	50.8	
Emporia	{ Maximum.....	85	75	47	47	57	72	66	78	69	72	76	79	77	61	53	60	58	58	76	73	65	70	65	69	70	77	71	75	72	76	85	68.8
	{ Minimum.....	53	43	39	36	39	46	47	46	47	45	58	62	57	54	46	47	50	53	58	51	54	45	47	38	52	55	61	59	60	51.1		
Eureka	{ Maximum.....	86	72	56	46	66	70	75	80	71	74	82	87	77	61	53	58	60	60	77	74	77	67	74	67	67	67	75	72	75	72	70.1	
Fort Scott	{ Maximum.....	56	56	44	40	38	47	48	52	49	51	59	60	53	48	51	54	56	60	51	49	49	41	54	57	61	60	62	64	52.9			
Fredonia	{ Maximum.....	74	73	61	49	51	59	72	81	71	70	83	87	73	78	64	60	64	68	80	73	69	65	63	69	71	71	71	70	77	87	70.4	
Horton [near]	{ Maximum.....	58	57	45	40	39	47	45	57	52	54	58	64	60	56	48	49	54	55	59	50	52	50	50	52	56	60	62	64	64	59.2		
	{ Minimum.....	80	62	49	44	41	69	64	59	70	74	74	73	61	53	45	50	57	71	71	64	70	76	74	72	73	69	65	63	63			
Independence	{ Maximum.....	77	73	58	47	52	66	76	84	75	75	82	87	78	68	59	62	61	64	78	74	69	74	65	69	71	68	73	80	85	86	71.3	
	{ Minimum.....	59	58	47	42	41	45	45	55	55	59	69	57	50	51	52	55	57	52	53	58	52	53	52	52	63	65	62	66	54.9			
Iola	{ Maximum.....	74	72	60	47	53	64	73	79	73	78	81	84	80	65	56	58	63	61	78	74	69	72	71	74	80	73	77	84	70.4			
Lawrence	{ Maximum.....	56	58	45	40	40	47	55	52	52	52	59	62	61	55	48	50	52	54	58	52	50	52	40	54	57	61	60	58	65	53.4		
Leavenworth	{ Maximum.....	77	77	58	44	54	64	70	73	73	78	85	85	59	59	54	58	52	57	76	61	70	69	67	66	71	74	75	78	68.7			
	{ Minimum.....	49	56	42	38	41	47	45	57	48	56	59	61	46	49	50	50	52	53	56	52	54	45	42	44	57	60	58	56	59	51.7		
Manhattan	{ Maximum.....	86	74	51	46	66	76	73	75	75	77	80	80	78	60	54	52	59	59	56	77	66	62	72	73	78	73	80	75	78	69.2		
	{ Minimum.....	55	50	42	41	38	43	48	49	45	41	60	60	54	50	47	48	50	52	53	58	51	53	45	37	54	57	63	59	61	51.2		
Oketo	{ Maximum.....	81	71	48	53	68	77	72	66	78	77	77	74	70	59	52	55	55	56	70	61	72	65	59	59	70	76	72	71	74	66.9		
Olathe	{ Maximum.....	54	47	40	38	34	45	48	47	41	37	59	59	48	46	45	47	49	50	52	53	48	43	38	53	56	60	59	56	59	48.9		
Osage City	{ Maximum.....	85	76	55	48	58	68	72	78	71	70	80	86	77	60	52	52	52	53	56	56	56	46	40	48	57	57	60	59	61	52.0		
	{ Minimum.....	49	53	43	39	39	42	47	46	51	45	45	59	63	58	52	47	46	44	50	53	53	53	48	47	39	52	53	53	53	50.9		
Ottawa	{ Maximum.....	77	72	56	44	54	67	72	77	70	71	80	86	70	60	53	58	58	59	59	79	72	69	69	69	73	74	76	82	68.8			
	{ Minimum.....	55	56	42	39	40	46	44	50	45	45	58	58	53	49	45	49	52	53	51	50	46	39	51	51	56	59	60	51	53	51.3		
Parsons	{ Maximum.....	73	71	61	46	52	65	75	83	76	75	82	87	80	68	59	61	63	63	63	63	61	64	62	61	62	62	61	62	61	62	54.9	
	{ Minimum.....	58	57	46	41	41	48	45	54	54	56	56	58	61	55	51	51	55	57	51	52	56	52	44	55	56	56	62	61	53	54.4		
Sedan	{ Maximum.....	82	73	61	45	56	70	76	84	75	77	84	88	75	75	60	74	60	67	78	75	67	74	65	69	74	78	86	72	77	72		
	{ Minimum.....	60	57	45	40	40	47	46	54	54	56	60	68	55	56	45	49	54	55	52	50	52	50	51	40	54	57	61	62	53	54.3		
Topeka 1 || .....	{ Maximum.....	85	71	61	46	52	65	76	84	75	75	82	87	77	74	70	69	60	67	74	72	67	71	74	76	78	73	76	77	76	77.6		
	{ Minimum.....	51	45	41	38	42	47	49	50	48	50	49	59	60	54	54	57	54	57	51	53	54	52	45	43	43	54	55	58	59	60	62.1	
Topeka 2	{ Maximum.....	85	76	56	45	60	73	75	76	73	75	78	89	68	63	57	58	58	62	60	63	63	70	75	76	77	77	77	77	77	77.4		
	{ Minimum.....	51	66	43	39	40	48	48	51	47	41	59	64	55	55	52	52	47	46	51	54	51	52	47	38	53	58	62	58	60	61.5		
Valley Falls	{ Minimum.....	82	75	50	45	60	72	73	71	71	76	75	83	64	56	51	51	52	55	56	56	56	61	61	61	61	61	61	61	61	68.5		
Wamego	{ Maximum.....	87	72	53	45	57	74	75	72	76	73	78	80	81	61	56	51	52	57	53	51	51	46	43	38	48	49	61	58	60	60.2		
Kansas City, Mo.	{ Maximum.....	78	63	47	45	53	67	68	75	70	74	82	89	69	57	52	53	58	55	57	51	54	46	41	54	57	62	61	61	51.7			
	{ Minimum.....	50	47	42	39	42	47	46	52	52	51	61	61	56	51	52	53	54	55	56	52	56	50	45	40	54	55	58	58	58	51.7		
St. Joseph, Mo.	{ Maximum.....	77	62	45	47	57	65	67	72	71	71	74	74	80	65	55	51	59	64	65	52	53	53	47	44	42	46	60	59	59	61	50.7	
	{ Minimum.....	48	43	41	39	42	48	46	50	50	50	47	49	50	50	47	47	48	50	50	55	55	55	43	39	39	55	55	55	55	55	50.5	
Hanover	{ Maximum.....	82	79	50	55	69	79	74	68	75	79	76	84	65	64	56	56	56	64														

DAILY TEMPERATURES FOR MAY, 1935 -Continued

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
<i>Middle Division—Continued</i>																																	
Salina	86	80	54	48	67	78	74	72	75	80	86	77	63	54	54	59	56	56	76	68	68	67	66	64	81	76	78	71	71	84	69.6		
	58	51	42	42	41	40	54	52	48	46	61	63	51	49	47	44	51	53	53	56	51	51	46	40	56	56	61	58	59	60	64	51.7	
Wichita ||.....	85	64	49	43	56	68	73	79	69	74	82	84	62	63	55	52	47	44	51	55	55	56	52	48	44	56	57	60	61	63	67	68.0	
Winfield	86	75	60	47	55	71	79	88	77	79	85	88	78	66	60	61	59	68	70	59	64	61	74	78	80	82	82	78	77	86	72.4		
	53	56	45	40	40	50	50	57	62	55	66	54	54	50	49	53	55	53	57	53	57	50	40	58	57	63	65	63	67	69	54.4		
<i>Western Division</i>																																	
Ashland	84	77	52	51	63	77	84	80	75	84	98	90	60	56	69	54	56	63	70	68	62	70	64	57	69	84	87	72	74	74	86	70.9	
	53	42	39	33	38	35	55	58	50	54	64	57	50	47	49	45	42	51	52	52	48	48	41	50	58	60	57	59	58	65	50.6		
Atwood	72	58	45	55	72	77	78	74	72	78	81	74	54	54	56	61	56	56	54	58	67	60	62	59	73	78	65	65	75	62	81	65.7	
Cimarron	47	41	36	35	23	49	55	41	41	51	52	42	46	47	43	45	44	45	39	45	47	47	54	49	44	50	55	45.1					
Colby	78	73	53	50	65	76	78	72	75	80	94	76	58	53	65	55	57	67	61	55	73	83	80	65	73	72	86	68.0					
Dodge City ||.....	56	44	34	34	37	33	51	54	41	47	60	54	42	41	49	47	49	47	44	44	40	48	53	57	51	52	55	47.1					
	38	40	34	34	29	43	48	45	40	48	50	49	40	38	44	43	45	47	46	44	45	42	45	45	52	55	49	49	50	58	44.5		
	80	63	47	46	62	73	77	69	72	80	95	78	61	53	57	67	61	56	54	69	82	79	65	72	69	83	66.1						
	58	42	37	35	33	39	54	52	45	41	56	51	62	51	45	43	50	51	49	48	47	45	42	49	57	58	55	54	56	63	48.8		
Dresden.....	76	60	50	51	71	79	77	71	74	80	81	75	54	51	56	55	51	59	54	51	65	64	59	58	70	73	69	65	65	64	83	64.9	
Garden City	51	42	35	35	35	28	39	52	48	40	50	57	51	43	40	44	46	48	49	45	47	41	43	46	55	56	57	50	49	59	46.2		
Goodland	80	72	60	57	62	78	83	75	75	82	94	80	53	54	55	63	56	66	56	65	71	65	60	78	87	81	71	74	70	87	69.7		
Healy	52	40	31	34	37	33	49	50	40	45	50	46	45	44	46	46	49	48	45	48	43	48	45	41	48	52	57	51	52	54	49	45.8	
Hill City	46	38	32	33	29	43	47	41	41	47	48	49	40	36	36	43	44	42	46	47	40	44	45	42	41	45	52	52	56	58	66	44.1*	
Lakin.....	80	75	72	57	89	78	81	72	81	80	85	75	56	51	61	57	60	57	62	72	67	57	61	60	91	74	73	72	78	72	83	70.0	
	51	45	35	33	35	34	50	48	40	45	48	55	43	40	45	47	45	50	49	45	46	46	44	45	46	57	52	40	52	61	45.6		
Leoti.....	78	62	52	48	70	73	74	71	73	79	87	73	49	55	55	54	55	60	61	55	65	62	59	69	83	75	71	69	84	82	67.5		
	56	42	37	35	38	33	51	49	43	50	60	68	41	42	45	41	45	49	48	43	46	42	43	45	48	55	60	56	52	55	61	47.0	
Liberal	78	65	50	52	72	80	79	73	75	80	82	76	54	49	54	59	53	58	58	51	66	65	62	59	67	73	77	79	70	86	68.6		
Norton	52	43	36	36	31	40	54	45	40	50	68	52	43	32	45	42	42	40	50	46	37	49	41	42	45	47	55	57	48	40	60	46.2	
Quinter **.....	79	73	57	57	63	75	81	77	74	83	91	82	75	53	61	67	63	59	63	65	61	72	71	63	87	89	86	64	72	68	70	74	71.4
Richfield.....	65	77	63	45	50	67	75	77	65	71	79	84	64	54	55	45	45	49	50	49	42	46	45	45	45	49	53	55	56	49	53	57	46.1
	51	43	36	35	38	40	50	49	42	44	59	53	45	40	43	40	46	48	48	46	45	43	42	45	43	45	44	44	45	54	46.4		
Richfield.....	72	54	48	48	69	78	73	70	78	84	84	78	55	54	54	64	61	56	61	61	61	61	61	61	67	68	69	64	65	68.5 ¹			
	46	40	28	31	32	36	47	45	47	47	49	58	54	44	29	45	47	49	47	45	45	44	47	55	56	48	48	48	48	48	44.6 ⁴		
St. Francis.....	76	58	44	44	70	77	78	65	70	75	77	67	59	50	63	58	50	50	65	66	63	61	78	78	72	64	73	65	66	50	44.6		
	47	39	35	32	30	42	52	42	43	49	49	46	39	38	44	48	45	46	45	42	45	44	42	45	45	51	53	49	49	55	50	44.6	
Scott City.....	78	67	51	52	67	77	77	69	71	78	82	62	53	60	54	55	61	52	63	65	60	51	75	89	70	59	72	66	82	66.3			
	52	41	34	35	42	50	49	42	47	57	53	57	53	56	64	57	54	54	54	54	62	68	60	58	76	83	78	65	70	67	84	67.8	
Sublette	79	68	56	56	64	75	80	71	72	83	95	76	57	53	56	64	57	54	54	54	54	54	54	54	54	54	54	54	54	54	54	47.3*	
Tribune	55	41	32	35	36	37	51	53	41	49	49	43	44	41	46	43	47	51	49	46	47	43	47	42	46	55	57	50	54	57	60	47.3*	
	77	62	47	54	64	74	78	69	69	79	80	72	56	49	51	58	54	54	57	52	60	68	59	57	78	83	70	59	69	67	87	64.9	
Wakeeney.....	80	73	54	48	69	78	74	68	72	78	85	74	54	55	53	52	59	64	57	63	65	68	64	78	79	66	67	68	81	66.3			
	55	42	35	35	35	40	54	47	42	47	55	51	42	40	45	30	47	49	49	47	45	48	42	42	45	54	53	52	51	51	59	46.3	

Continued from Page One.

28th; and Chanute 23.0 on the 21st and 27.3 on the 29th. At Parsons there were two overflows, also, one reaching a crest of 24.6 feet on the 21st and the other, beginning on the 29th, extended past the end of the month, with a stage of 27.3 feet on the 31st. At Oswego two overflows also occurred. One reached a crest of 22.8 on the 22d and the other, 24.9 on the 30th. Damage from these Neosho overflows was estimated at \$424,500.

The Osage (Marais des Cygnes) River overflowed twice. The first overflow occurred below Ottawa, reaching a crest of 24.1 at LaCygnes on the 23d. The second began near the close of the month, reaching a crest of 36.6 at Quenemo on the 29th and 25.8 at Ottawa the following day. This crest did not arrive at LaCygnes until after the month had closed. Damage from these two Osage overflows was estimated at \$182,000, most of it occurring in the second overflow.

The Kansas River overflowed slightly at Manhattan on the 28th with a crest of 18.2. At Lawrence a crest of 19.4 was reached on the 29-29th but no overflow occurred at Wamego, Topeka, or Bonner Springs. Little or no damage resulted from overflows of the Kansas River itself. However, serious damage occurred along two of its tributaries. Mill Creek in the vicinity of Paxico reached what was reported to be the highest stage in its history on the 28th, with damage estimated at \$147,500. The Delaware River reached a crest of 24.0 on the 28th at Valley Falls, with damage estimated at \$2,000. Considerable damage, not estimated, occurred along creeks emptying into the Kansas River.

Overflows of the Marmaton in the vicinity of Ft. Scott near the close of the month caused a loss of \$10,000.

A moderate overflow occurred along the Arkansas River from Great Bend to the Oklahoma line the last decade of the month and was more extensive from Hutchinson to North Wichita than elsewhere. The Little Arkansas also overflowed at Sedgewick the closing days of the month, and the Walnut overflowed moderately at Winfield from the 15th to the 16th and again beginning on the 29th. Total damage from these overflows of the Arkansas and its tributaries in the State was estimated at \$172,600.

The Verdigris reached a stage of 43.7 feet at Independence on the 30th, which is only 1.5 feet below the record high mark at that place. All the lowlands below Topeka were flooded and thousands of acres of wheat and corn were destroyed. The total damage, was estimated at \$170,000.

Temperatures given in this table are in each instance for the 24-hour period ending about sunset, except as otherwise stated. || Regular Weather Bureau station; temperatures are for 24-hour period extending from midnight to midnight. Records of daily temperatures are also kept at the following stations: Centralia, Columbus, Eskridge, Lebo, Toronto, Alden, Bisou, Chapman, Herington, Medicine Lodge, Plainville, Wellington, Elkhart, Jetmore, Oakley, Oberlin and Ulysses. These are on file at the Weather Bureau Office, Topeka, Kansas.

** Temperatures at this place are for 24-hour period ending 8 a. m.

KANSAS STORMS, MAY, 1935

Location	Date	Hour	Nature of storm	Storm moved from	Width of path	Length of path	Loss of life	Property damage (estimated)	Remarks
Reno County	8	8 p.m.	Heavy hail		7 mi.	20 mi.	0	\$35,000	Chief damage in Hutchinson, where much glass was broken in green houses, auto tops were riddled, and roofs damaged. Crop damage, chiefly wheat, placed at \$10,000.
Jackson, Atchison, & Jefferson Counties	8	8:20 to 9 p.m.	Heavy hail	nw.	8 mi.	20 mi.	0	\$18,000	Occurred in northern part of Jefferson County, in eastern Jackson County and in southwestern Atchison County. Worst damage was 5 miles northeast of Valley Falls.
Shawnee County	8	8:30 p.m.	Heavy hail		2 mi.	6 mi.	0	\$10,000	Occurred between Pauline and Wakarusa. Damage was to crops. Some hailstones were 1 inch in diameter.
Scott County	10	6:30 p.m.	Heavy hail		5 mi.	20 mi.	0	\$2,000	Occurred 11 miles north of Scott City at and near the State Lake.
Lane County	10	8:30 p.m.	Heavy hail		1 mi.	5 mi.	0	Small	Occurred in north-central part of County. No crops to damage.
Russell County	11	12:15 a.m.	Violent wind	se.	50 ft.	1 mi.	0	\$4,000	Passed over western edge of Russell. Had many characteristics of a tornado. Lumber yard, ware house, and oil derrick damaged.
Reno County	11	7:20 p.m.	Tornado	sw.	880 yds.	2 mi.	0	\$10,000	Originated 5 miles south and 2 west of Nickerson. Farm buildings damaged. One person injured.
Brown County	11	10 p.m.	Tornado	w.	100 yds.	3 mi.	0	\$5,000	Occurred about 8 miles west of White Cloud. One farm house and several other farm buildings damaged.
Nemaha & Brown Co.	11	11 p.m.	Violent wind and hail.....	se.	880 yds.	18 mi.	0	\$6,800	Occurred in northeastern Nemaha and northwestern Brown Counties, from Bern to near Morrill. Heaviest in few miles north of Sabetha, where drifts 2 feet deep were reported. Loss from hail, \$1,000.
Norton County	13	4 a.m.	Heavy hail		2 mi.	9 mi.	0	\$5,000	Occurred in northern part of County.
Harvey County	17	9:15 p.m.	Heavy hail		3 mi.	6 mi.	0	\$1,500	Occurred at and near Burton. Damage was to gardens and shrubbery. Hailstones were 3 inches deep in places.
Republic County	19	3 p.m.	Sm. tornado	sw.	.....	Short	0	\$500	Occurred southeast of Scandia. A few farm buildings struck.
Jewell & Republic Co.	19	3 p.m.	Tornado	sw.	20 yds.	22 mi.	0	\$5,000	Originated 6 miles southeast of Formosa, ended near Byron, Nebr., where additional damage was done. Farm house and other buildings damaged. Accompanied by torrential rains.
Ford County	19	4 p.m.	Sm. tornado .....		.....	.....	0	0	Occurred a few miles northeast of Dodge City. Dipped to earth only once. No damage.
Osage County	19	4:30 p.m.	Heavy hail	s.	880 yds.	2 mi.	0	Small	Occurred 2 miles north of Overbrook. Hail stones were as large as marbles. Few crops in area to be damaged.
Jefferson County	27	8 p.m.	Sm. tornado	sw.	880 yds.	11 mi.	0	\$34,000	Originated 8 miles northwest of Perry. Numerous small farm buildings destroyed. No one injured.
Bourbon County	27	8-9 p.m.	Violent wind	w.	1 mi.	1 mi.	0	\$5,000	Chief damage was at Fulton.
Johnson County	31	4 p.m.	Sm. tornado	.....	.....	.....	0	None	Appeared a few miles east of Olathe. Failed to reached ground.
Phillips County	31	4 p.m.	Tornado	sw.	100 yds	5 mi.	0	\$10,000	Originated 10 miles northeast of Phillipsburg. Farm house badly damaged and several small farm buildings demolished.

TOTAL PRECIPITATION, MAY, 1935

