

25th.—South Bend, Ind., thunderstorm.
26th.—Donaldsonville, La., stock killed by lightning. Lexington, Ky., thunderstorm. Concordia, Kans., windstorm.
27th.—Corning, Ark., hailstorm. Collegeville, Minn., windstorm.
28th.—Brookfield and Honeyead Brook, N. Y., thunderstorms. Near St. Charles, Mo., hailstorm. Carthage, Mo., thunderstorm. Belle Rose, La., 2 horses killed by lightning.
29th.—Cornwall, Vt., 2 horses killed by lightning. Manchester, N. H., thunderstorm. New Haven, Conn., 2 persons injured by lightning. Near Newton, N. J., windstorm. Stanardsville, Va., hailstorm. Atlanta, Ga., and

Nashville, Tenn., thunderstorms. Springdale, Tenn., and Ellsworth, Ohio., windstorms. Grovedale, Mo., hailstorm. Near Heber City, Utah, thunderstorm.
30th.—Middletown, N. Y., 4 persons stunned by lightning. Scotchtown, N. Y., 2 cows killed by lightning. Howells, N. Y., and Granite Falls, Minn., thunderstorms. Luverne, Minn., stock killed by lightning. Morris, Minn., hailstorm.
31st.—Glastonbury and Weathersfield, Conn., hailstorms. Fleming, N. J., thunderstorm. Pensacola, Fla., one person stunned by lightning. Brooksville, Fla., and Nashville, Tenn., thunderstorms. Litchfield, Ill., windstorm. Steffen-ville, Mo., stock killed by lightning.

INLAND NAVIGATION.

STAGE OF WATER IN RIVERS.

The following table shows the danger point and the highest and lowest stages for the month of July, 1894:

Heights of rivers above low-water mark, July, 1894.

Stations.	Danger-point gauge.	Highest water.		Lowest water.		Monthly range.
		Height.	Date.	Height.	Date.	
<i>Red River.</i>	Feet.	Feet.		Feet.	Feet.	
Shreveport, La.	29.2	5.5	1	—1.8	31	7.3
<i>Arkansas River.</i>						
Fort Smith, Ark.	22.0	10.7	1	1.2	29, 31	9.5
Little Rock, Ark.	23.0	11.4	5	3.9	30, 31	7.5
<i>Missouri River.</i>						
Fort Buford, N. Dak.	25.0					
Bismarck, N. Dak.	75.0					
Pierre, S. Dak.	13.0					
Sioux City, Iowa	18.7	14.2	1	11.2	30, 31	3.0
Omaha, Nebr.	18.0	14.0	1	11.0	31	3.0
Kansas City, Mo.	21.0	19.6	3	13.4	31	6.2
<i>Mississippi River.</i>						
St. Paul, Minn.	14.0	2.8	1, 2	0.2	30	2.6
La Crosse, Wis.	10.0	4.2	1	1.3	31	2.9
Dubuque, Iowa	16.0	4.7	1, 2	1.2	31	3.5
Davenport, Iowa	15.0	3.3	1	0.6	31	2.7
Keokuk, Iowa	14.0	3.5	1	0.3	31	3.2
Hannibal, Mo.	17.0	4.1	1	1.1	29, 31	3.0
St. Louis, Mo.	30.0	17.0	1	8.8	31	8.2
Cairo, Ill.	40.0	18.3	1	9.7	30	8.6
Memphis, Tenn.	33.0	12.2	3, 4	4.9	31	7.3
Vicksburg, Miss.	41.0	17.0	1, 10	7.4	31	9.6
New Orleans, La.	13.0	5.7	1	3.9	25	1.8
<i>Ohio River.</i>						
Parkersburg, W. Va.	38.0	4.0	2, 3	0.6	22, 29	3.4
Cincinnati, Ohio	45.0	8.0	2, 3	4.1	27, 28	3.9
Louisville, Ky.	24.0	4.7	3, 5	2.7	26-31	2.0
<i>Cumberland River.</i>						
Nashville, Tenn.	40.0	6.2	3	2.0	20	4.2

Heights of rivers—Continued.

Stations.	Danger-point gauge.	Highest water.		Lowest water.		Monthly range.
		Height.	Date.	Height.	Date.	
<i>Tennessee River.</i>	Feet.	Feet.		Feet.		
Chattanooga, Tenn.	33.0	4.4	1, 4	1.8	17	2.6
Knoxville, Tenn.	29.0					
<i>Monongahela River.</i>						
Pittsburg, Pa.	22.0	6.0	27, 29	4.5	7	1.5
<i>Savannah River.</i>						
Augusta, Ga.	32.6	16.6	31	4.9	16	11.7
<i>Willamette River.</i>						
Portland, Oregon	15.0	23.0	1	12.4	31	10.6
<i>Susquehanna River.</i>						
Harrisburg, Pa.	17.0					
<i>Alabama River.</i>						
Montgomery, Ala.	48.0	2.7	25	0.8	3-5, 18, 19	1.9
<i>James River.</i>						
Lynchburg, Va.	18.0	1.0	1	0.7	8-22, 26-31	1.0
<i>Sacramento River.</i>						
Red Bluff, Cal.	22.0	1.8	1, 2	1.0	28-31	0.8
Sacramento, Cal.	25.0	15.6	1	9.6	31	6.0
<i>Des Moines River.</i>						
Des Moines, Iowa	19.0	3.8	1, 2	3.1	30	0.7

FLOODS.

The above table shows that the flood in the Fraser and Willamette rivers, which had risen above the danger line at Portland, Oreg., during June, has subsided, but that they were, on the 31st, only a little below the danger line. No other floods have been reported. In many cases the rivers are unusually low, and river navigation was generally suspended in the upper Ohio and Mississippi.

ATMOSPHERIC ELECTRICITY.

GENERAL STATISTICS.

The table on page 290 shows in detail for July, 1894, the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month.

THUNDERSTORMS.

A mention of the more severe thunderstorms reported during the month is given under "Local storms." The dates on which reports of thunderstorms were most numerous were the 1st, 6th, 13th to 21st, 29th to 31st.

The States where thunderstorm reports were most numerous were: Colorado, Florida, Massachusetts, North Carolina, Ohio, Pennsylvania, and South Carolina.

The States where the dates of thunderstorms were most frequent were: Colorado and Florida, where they were recorded every day in the month, and Louisiana, South Carolina, and Texas, where they occurred on twenty-eight days.

AURORAS.

The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four days preceding and following the date of full moon, viz, from the 13th to the 21st, inclusive. On the remaining twenty-two days of the month 191 reports were received, or an average of 9 per day. The dates on which the reported number especially exceeded this average were the 1st, 74; 7th, 33; 28th, 20.

The States from which auroras were reported by a large percentage of observers were: Delaware, Iowa, Maine, Massachusetts, Minnesota, Montana, New Hampshire, North Dakota, Vermont, and Wisconsin.

DAMAGE BY LIGHTNING.

The following statistics of the damage done by lightning in July, so far as reported by the observers of this Bureau, are furnished by Mr. Alexander McAdie: