

There has been a deficiency in New England varying from 1.79 to 4.00 inches, in the Middle States, except southern Virginia, 0.44 to 3.26 inches, from northern portions of Georgia and South Carolina to the Ohio valley 0.35 to 2.03 inches, from northeastern Kansas to southern Wisconsin and northern Illinois 1.67 to 3.90 inches, over northwestern Ohio and southeastern Michigan 0.29 to 1.23 inches, and over western Minnesota 0.98 inch.

## **R I V E R S .**

The Red river rose steadily at Shreveport during the first week, after which it remained nearly stationary until the 28th, when it began to fall slowly.

The Arkansas fell and rose alternately during the first twenty days, then fell steadily, having been eight and a half feet lower on the 30th than on the 1st.

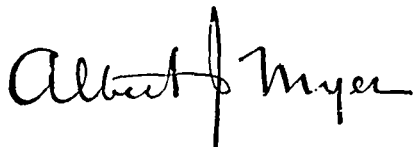
The Missouri at Fort Benton rose steadily until the 19th. Throughout the lower portion of the river an almost continuous rise occurred, although a slight fall was observed between Kansas City and Brunswick after the 26th.

The Mississippi fell slowly at St. Paul and between Cairo and New Orleans, (excepting some slight oscillations,) the difference between highest and lowest water for the month being at St. Paul nearly five feet, between Cairo and Vicksburg nearly eight feet and at New Orleans eleven inches; between Le Claire and Warsaw a gradual rise occurred from the 4th until the middle of the month, after which a steady fall was observed; at St. Louis the water rose slightly between the 3d and 11th, falling slowly after that date.

The Cumberland at Nashville fell from the 1st to the 9th, then rose until the 19th, fell again until the 27th, rose until the 29th, but on the 30th it began again to fall—the difference between highest water (19th) and lowest water (9th) being six feet.

The Ohio, at Marietta and above, as well as its tributaries, has changed comparatively little; from Cincinnati to Evansville it has fallen almost continuously—the difference between highest and lowest water being nearly nine feet at Cincinnati and Evansville and three at Louisville; at Paducah the water fell from the 1st to the 11th, rose until the 21st, falling again from that date until the 30th.

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*Brig. General and Chief Signal Officer, U. S. A.*

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