

Frosts.—The frosts have during the month been especially destructive in Ohio and Illinois, and others are reported in Minnesota on the 17th; Connecticut, 18th; Delaware, 18th; Illinois 16th and 18th; Indiana, 17th; New Jersey, 18th; New York 18th and 31st; Virginia 19th and 31st.

PRECIPITATION.

The general distribution of rain-fall is shown by the isohyetal on Chart No. III, from which it will be seen that the rain-fall is, on a general average, about 0.6 inches below its normal value. The largest deficiencies occur in the Gulf and Middle Atlantic States, where the rain-fall is less than one-half its usual amount. A slight excess of rain, amounting to one-quarter of its average amount, is reported from the upper Mississippi valley, the Lake region and South Atlantic coast, and a still larger excess from the St. Lawrence valley.

Cloudy days.—The cloudiness during the month has been decidedly below the average. It has been greatest in New England, where the average is from 7 to 11 cloudy days during the month; an average of 7 days is reported from New York, the Lake region and Minnesota, whence, as we proceed southward, the amount of cloud diminishes to an average of 1 or 2 days in the Gulf and South Atlantic States.

Rainy days have been, as usual, far more numerous than cloudy days, the average number being 15 over the Lower Lakes, New York and New England; 17 in Kansas and Indian Territory; 10 on the South Atlantic coast and in Tennessee, Kentucky, Missouri and Illinois.

RELATIVE HUMIDITY.

The relative humidity averages 70 per cent. along the Atlantic coast stations; 50 per cent. at stations in the neighborhood of the Appalachian ranges; 60 per cent. from the Lower Lake region to Missouri, and between 55 and 65 per cent. northward of this region.

WINDS.

The prevailing wind has been southeast to southwest throughout the Gulf States and Atlantic coast stations. It has been southeast in Kansas, Iowa and Minnesota, and west in the Lower Lake region.

Total movement of the air.—The largest total movements of the air are—at Pike's Peak, 14,808; Cape Hatteras, 11,377; Sandy Hook, 9,945; Cheyenne, 9,780; Peck's Beach, 9,500; Long Branch, 9,466; Erie, 8,969; San Francisco, 8,785; Indianola, 8,699; Cape Henry, 8,510. The lowest at: Portland, Or., 3,042; Lynchburg, 3,122; Augusta, 3,261; Montgomery, 3,802; Wytheville, 3,809; Shreveport, 3,853; Vicksburg, 3,866; Nashville, 3,894; San Diego, 3,978.

VERIFICATIONS.

The detailed critical comparison of the published Probabilities with the weather of the succeeding 24 hours shows, on the average, for the whole country, that 91.4 per cent. of the predictions have been verified.