## TEMPERATURE OF THE WATER.

But five stations have sent reports of the temperature of the water in the rivers. The ranges are as follows:

| | *Maximum.* | *Minimum.* | | *Maximum.* | *Minimum.* |
|---|---|---|---|---|---|
| Leavenworth, | 33° | 32° | Montgomery | 61° | 47° |
| Nashville, | 53 | 39 | Shreveport, | 57 | 48.5 |
| Knoxville, | 51 | 41 | | | |

At stations on the Atlantic and Gulf coasts the ranges have been as follows:

| | *Maximum.* | *Minimum.* | | *Maximum.* | *Minimum.* |
|---|---|---|---|---|---|
| Galveston, | 65° | 51° | Norfolk, | 56° | 37° |
| Mobile, | 60 | 52 | New York, | 36 | 31 |
| Jacksonville, | 66 | 57 | Wood's Hole. | 34 | 29 |
| Wilmington, | 54 | 42 | Portland, Me., | 34 (?) | 29 |

## FROSTS.

Frosts are reported at the following stations:

On the 3d, Shreveport; 4th, Cairo; 5th, Savannah; 8th, Shreveport; 10th, Montgomery; 24th, Shreveport.

## SOLAR AND LUNAR HALOS.

Solar or Lunar Halos have been recorded as follows: on the 2d, Santa Fé and Oswego; 4th, Atlantic City and Long Branch; 9th, Santa Fé; 10th, Eastport; 11th, Eastport; 14th, Washington; 19th, Eastport and Breckenridge: 20th, Atlantic City; 21st, Breckenridge and Duluth; 22d, Wytheville and Breckenridge; 24th Cairo, Escanaba, Dubuque, Norfolk, Eastport, Albany, Barnegat and St. Paul; 25th, St. Paul, Breckenridge and Omaha; 26th, Duluth, Marquette, Buffalo, Oswego, Sandy Hook, Wood's Hole, Albany, Barnegat, Norfolk, New Haven, Philadelphia, Atlantic City, Lynchburg, Rochester, Grand Haven and Washington; 27th, Keokuk, Davenport, Omaha, Dubuque and Washington.

## POLAR BANDS.

Notable arrangements of cirri-clouds, in what are called Polar Bands, were recorded as follows: On the 5th, at St. Paul; 8th, Atlantic City; 14th, St. Paul and Washington; 21st, Norfolk; 23d, Sandy Hook; 26th Norfolk.

## AURORAS.

Auroral displays have been generally quite faint. They have been observed at the following stations: On the 5th at Burlington, Eastport, Boston, Albany, Long Branch, Alpena and Rochester; 7th, Eastport, Marquette and Alpena: 14th, Eastport, Burlington, Rochester, Erie and Breckenridge; 17th, Burlington, Alpena and Marquette; 18th, Boston, and at Lake City "an anomalous luminous appearance;" 20th, Eastport.