

During the month 31 Cautionary Signals have been ordered at the 43 Signal Stations on the Lakes and Atlantic coasts. Of this number, 22 have been justified by the fact of succeeding high winds. There were 4 partly justified or of doubtful necessity. The remaining 5 were not justified.

NAVIGATION.

It appears that navigation was universally resumed, without ice-obstruction, before June set in on the Lakes and rivers.

The extreme depth of water in the Mississippi and its tributaries, is shown by the table on chart No. III. In the extreme upper and lower Mississippi and the upper Ohio, the lowest stage of water is seen toward the close of the month. But in the lower Missouri, it was otherwise, the water rising to its highest on the 25th, 28th, and 29th. In the central Mississippi, from Keokuk to Memphis, the highest water was recorded on the 29th and 30th.

Ice in the North Atlantic.—The ice-drift and icebergs in the North Atlantic have been, as also noticed in the last Review, unusually large and late. During the whole month of June, vessels making Canadian and American ports, were in jeopardy from ice-obstructions. In the early part of June the steamer Golden Horn, in latitude $47^{\circ} 33'$, and longitude $49^{\circ} 30'$, was detained ten days amid ice-fields and icebergs. On the 11th, the steamship State of Nevada, latitude $43^{\circ} 23'$, longitude $47^{\circ} 26'$ came in collision with a large iceberg, staving in fore-castle head and damaging her plates considerably. June 24th, the steamship City of Brussels, in latitude $42^{\circ} 25'$, longitude $49^{\circ} 18'$, and on June 22d, the steamship State of Louisiana, in latitude 42° and 43° , and longitude 48° and 49° , passed large icebergs. On the 21st, the steamer Bermuda found the Straits of Belle Isle completely blocked with ice, and had to steer 175 miles to the southeast to get clear, but was still embayed in the ice for a considerable time. The steamship Scandinavian, while off the coast of Newfoundland, on the 29th of June, sighted no less than 100 icebergs, many of them of monstrous size. The steamship Caspian, which touched at St. Johns on July 1st, was five days among the icebergs, and previous to that day, steamships could not get to St. Johns on account of ice-obstructions.

TEMPERATURE OF THE WATER.

The details of water temperatures appear on the table in lower right-hand corner of Chart No. II.

The least thermometric variations in the water on the Atlantic coast are at Eastport, Maine, and Portland, Maine,— 5° to 3° respectively. The greatest range is at Wood's Hole, Massachusetts, where it is 16° . On the Lakes, the monthly range of temperature has been about 11° . In the interior rivers it has been from 9° to 12° . The greatest variation reported is 25° . at Duluth.

ATMOSPHERIC ELECTRICITY.

Thunder storms.—This item is noticed in part on page 4, as many of the local storms, there recorded, were attended by electrical phenomena. Thunder storms were reported at one or more stations every day in June, except on the 9th. After the middle of the month, they became quite general over the whole country. None were reported in New England before the 7th.