

have shown that there are great vortices in several places in the Norwegian Sea. Fig. 192 shows the distribution of salinity at a depth of 100 metres in the southern part of the Norwegian Sea and the northern part of the Atlantic in May 1904. The arrows mark the probable direction of the movements. There are several vortices of different dimensions, one being drawn in

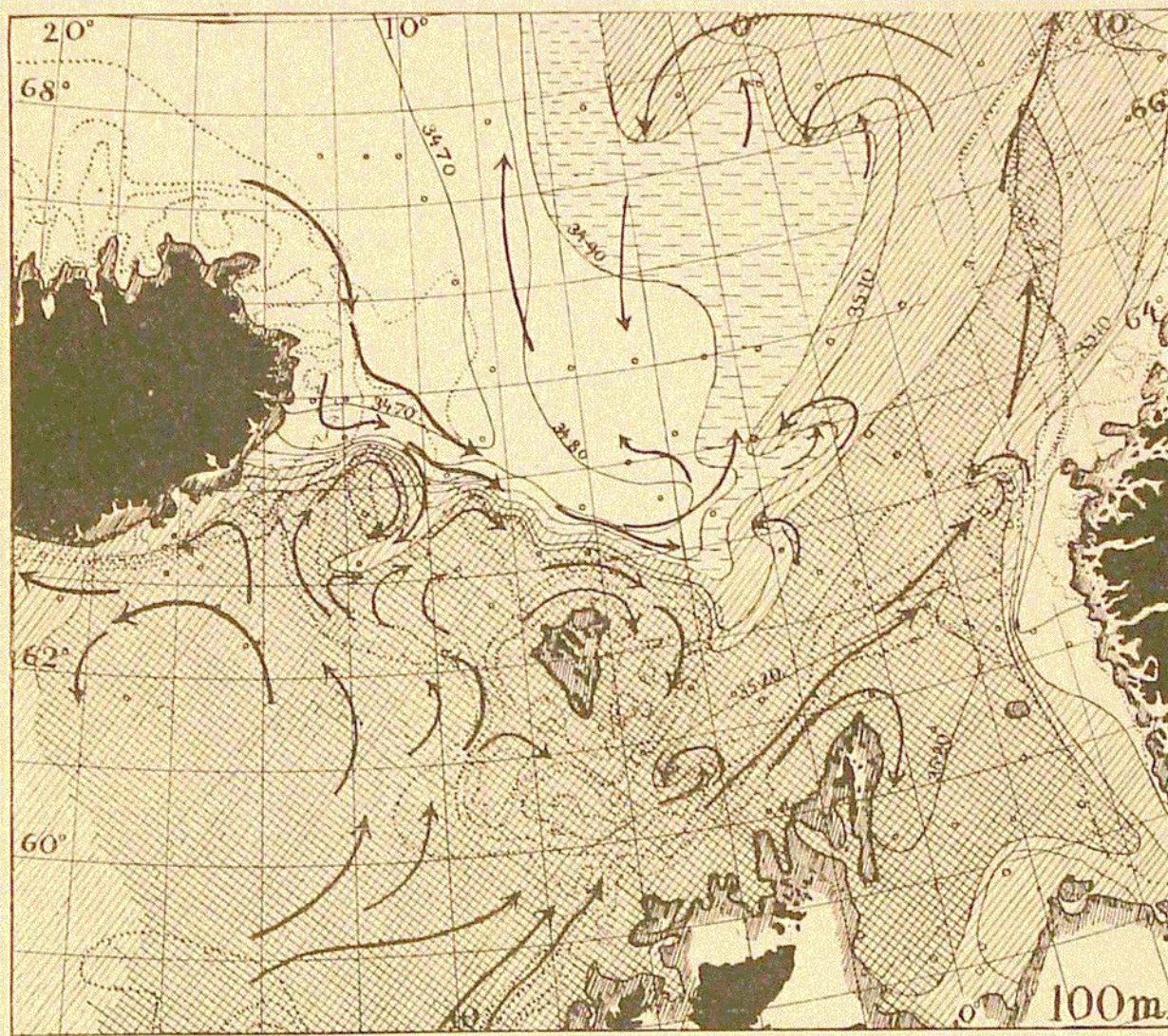


FIG. 192.—THE DISTRIBUTION OF SALINITY IN THE NORTHERN PART OF THE ATLANTIC OCEAN AND THE SOUTHERN PART OF THE NORWEGIAN SEA AT A DEPTH OF 100 METRES (May 1904).

the Faroe-Shetland Channel; similar conditions prevailed in this place in August 1910.

Nansen and the writer have discussed¹ at some length the oceanographical conditions of the Norwegian Sea on the basis of earlier investigations. Fig. 193 shows the currents and vortices in the Norwegian Sea. We arrived at the conclusion that there must be many forms of motion of great and far-reaching importance, though hitherto hardly known at all,

Currents and vortices in the Norwegian Sea.

¹ *The Norwegian Sea*, Bergen, 1909.