

The density increases from the surface to the bottom, but with varying rapidity; through the first 100 metres it increases rapidly, and also in the discontinuity - layer between 600 and 1100 metres.

Between Scotland and Rockall.

Fig. 168 shows the conditions on the 7th August 1910, at Station 101, between Scotland and Rockall, in that branch of the Gulf Stream which flows towards northern Europe. The salinity at the surface is here 1

per thousand lower than at Station 65 near the Sargasso Sea,

Station 101.

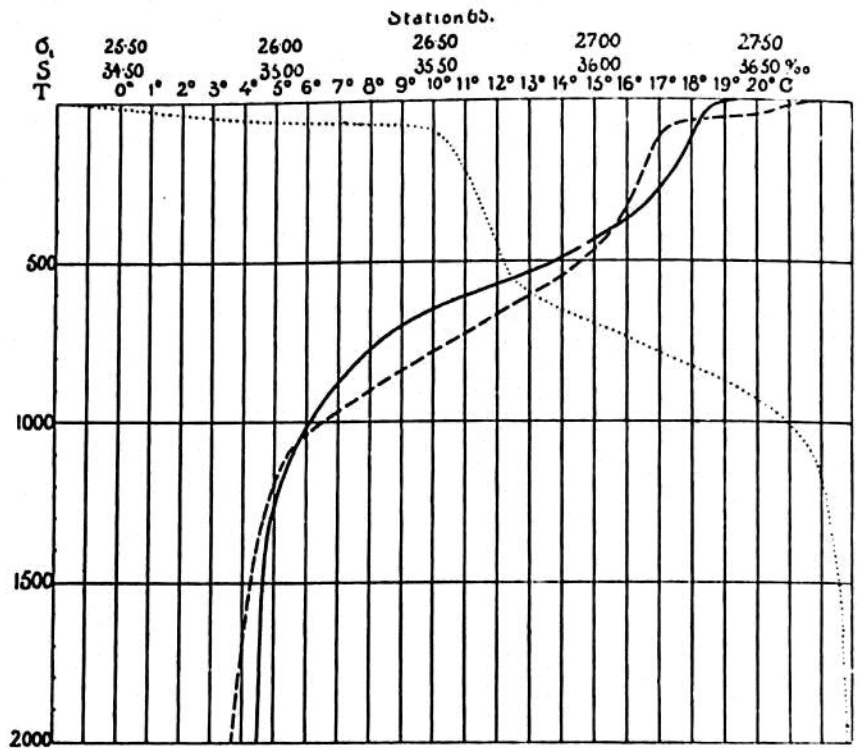


FIG. 167.—TEMPERATURE (BROKEN LINE), SALINITY (CONTINUOUS LINE), AND DENSITY (DOTTED LINE) AT STATION 65, A LITTLE NORTH OF THE SARGASSO SEA (25th June 1910). Depth in metres.

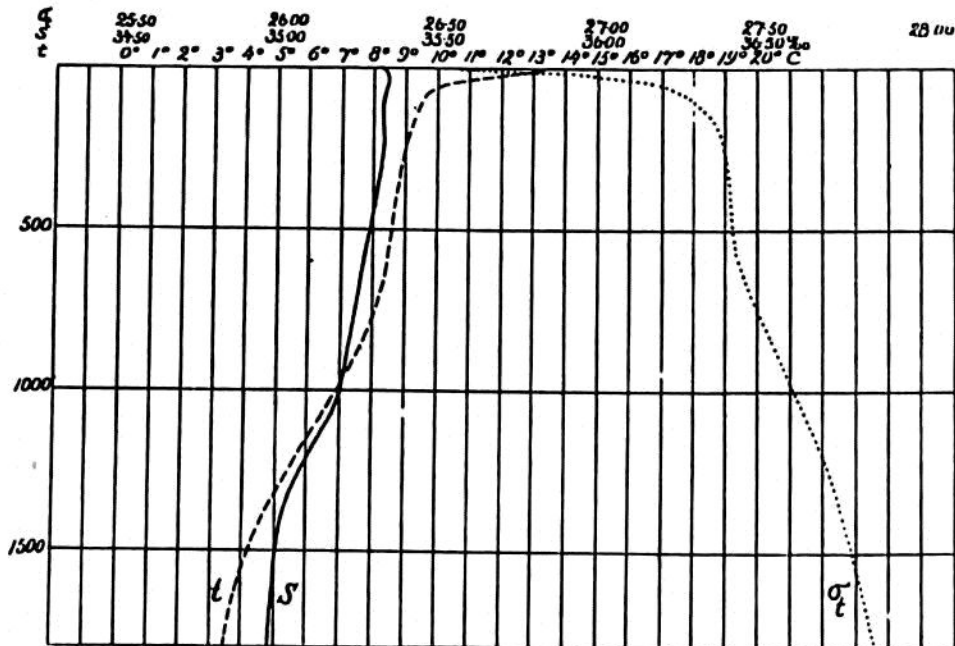


FIG. 168.—TEMPERATURE, SALINITY, AND DENSITY AT STATION 101, A LITTLE EAST OF ROCKALL (7th August 1910). Depth in metres.

due to admixture of fresh water; but from about 900 metres down to the bottom the salinity, temperature, and density