

First Series.		Second Series.	
170 fathoms.....	17°·8	175 "	17°·8
200 "	17·8	200 "	17·7
225 "	17·1	225 "	17·6
250 "	17·2		

The small dredge was put over early on the following morning with a bread-bag lining to the net, and a 28-lb. weight slung to the tangle-bar. In the forenoon a sounding was taken in 2675 fathoms with a hydra machine weighted with 3 cwt., having a water-bottle and two thermometers attached. It seems that the weights did not detach, for there was a great strain in heaving in, and finally the line parted, and the observations on temperature and on the specific gravity of the water were lost. The dredge came up with a small quantity of mud containing many shells of foraminifera; the finest part of the mud having been, as is usual at these great depths, almost entirely washed through the bread-bag. The dredge contained no animals higher in the scale than foraminifera which we could say with any certainty had come from the bottom.

On the 29th it was blowing hard with a heavy swell, and our first attempt to take a series of temperatures was unsuccessful. In the morning the starboard wheel-rope was carried away, and the necessary repairs caused some delay. Later in the day the swell moderated somewhat, and we took a temperature sounding down to 650 fathoms at intervals of 50 fathoms (Appendix A), and of 25 fathoms to 250:

Surface.....	18°·3 C.	150 fathoms.....	17°·7 C.
25 fathoms.....	18·3	175 "	17·6
50 "	18·2	200 "	17·4
75 "	18·2	225 "	17·2
100 "	18·1	250 "	17·1
125 "	18·0		

There was as yet no rise in the surface temperature sufficiently marked to indicate that we were in any way affected by the stream.

On the 20th of April, at 8 A.M., the temperature of the sea-