

I have referred likewise (p. 26) to Professor Fleeming Jenkin's notes on the living animals attached to the Mediterranean cable at a depth of 1,200 fathoms, and to the results of Dr. Wallich's special investigations on board H.M.S. 'Bull-dog.'

In a general review of the progress of knowledge as to the conditions of life at great depths, these investigations deserve special notice, as, even if they must still be regarded as somewhat unsatisfactory, they distinctly mark a stage in advance. Although, from the imperfection of the means at his disposal, Dr. Wallich could not bring home evidence sufficient absolutely to satisfy others, he was convinced in his own mind from what he saw, that living beings high in the scale of organization might exist at any depth in the ocean; he expounded clearly and forcibly the train of reasoning which led him to this belief, and subsequent events have amply justified his conclusion. The space at my disposal will not allow me to quote and discuss Dr. Wallich's arguments, in some of which I thoroughly concur, while from others I am compelled to dissent. The facts were most important, and their significance increases now that they are fully confirmed and illustrated by operations on a large scale. In lat. $59^{\circ} 27' N.$, long. $26^{\circ} 41' W.$, a depth of 1,260 fathoms having been previously ascertained, "a new kind of deep-sea dredge was lowered; but in consequence of its partial failure, a second apparatus (namely, the conical cup) was employed, fifty fathoms of line in excess of the recorded depth being paid out in order to ensure the unchecked descent and impact of the instrument at the bottom. The dredge had already brought up a small quantity