

temperature observations were taken at the usual intervals to 1500 fathoms, and at every ten fathoms for the first sixty. The trawl was fairly successful, several specimens in each group, representing the sponges, the Ophiuridea, the Holothuridea, the Annelida, the Bryozoa, the Cirripedia, the macrourous Crustacea, the lamellibranchiate and gasteropod Mollusca, and the fishes having been procured—a somewhat unusually varied assemblage from so great a depth.

On the 24th we had passed the variable boundary, and were in the region of the regular trades, with a steady surface-current to the north-westward of seventeen miles a day, and we found, on taking a series of temperature observations down to 500 fathoms, that the isotherms were again rising. The depth was 2275 fathoms, with a bottom of globigerina ooze.

On the 25th we sounded in 1850 fathoms, in lat.  $1^{\circ} 47' N.$ , long.  $24^{\circ} 26' W.$ ; the bottom was again globigerina ooze, and the bottom temperature  $1^{\circ} \cdot 8 C.$  A series of temperature soundings were taken at intervals of ten fathoms for the first 100, and of 100 fathoms down to 1500. The trawl was put over, and gave us an unusually large number of interesting forms; among others, many large specimens of a fine species of *Limopsis*, several brachiopods, a small *Umbellularia*, several remarkable Bryozoa, several specimens of a species of *Archaster*, some very large examples of a *Salenia* differing apparently in some respects from *S. varispina*, an entire specimen of a beautiful stalked crinoid which I shall describe under the name of *Bathycrinus Aldrichianus*,\* and with it some fragments of

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\* As the stalked Crinoids are perhaps the most remarkable of all the deep-sea groups, both on account of their extreme rarity and of the special interest of their paleontological relations, I mean to associate the names of those naval officers who have been chiefly concerned in carrying out the sounding, dredging, and trawling operations with the new species in this class, whose discovery is due to the patience and ability with which they have performed their task. Lieutenant Pelham Aldrich was first lieutenant of the *Challenger* during the first two years of her commission; he is now with Captain Nares as first lieutenant of the *Alert*. Lieutenant George R. Bethell, I am glad to say, was with us throughout the voyage.