

*Lepas anatifera*, Linn. (Pl. I. figs. 1, 2).

*Lepas anatifera*, Linnæus, Systema Naturæ, 1767.

„ „ Darwin, Monograph Lepadidæ, 1851, p. 73.

This species shows considerable variations in size and shape. The largest specimen brought home by the Challenger has a capitulum of 45 mm. in length, whereas the largest observed by Darwin measured 51 mm. (two inches). Among the smaller specimens, those with a barbed carina (Darwin's var. *b.* "*dentata*") are by no means rare; of these the capitulum measures at the utmost 17 mm. None of the specimens are furnished with the diagonal line on scutum and tergum of dark greenish-brown, square, slightly depressed marks, as figured by Darwin (*loc. cit.*, pl. i. fig. 1). Curiously enough, I found the same lines very distinctly developed on the scuta and terga of specimens of *Lepas anserifera*, Linn., from the Pacific Ocean.

This extremely common species was only met with by the Challenger in the Atlantic Ocean. It inhabits the surface, attached to floating timber, vessels, &c. Very large specimens were collected towards the end of 1872, almost before regular observations were commenced. During the cruise itself it was observed at the following localities:—

Near Station 30, April 2, 1873, south of Bermuda. Numerous small and even extremely small specimens attached to a log and to each other. No ova. Carina smooth or barbed as in var. *b.* "*dentata*." Larvæ in the Cypris-stage are affixed to the larger specimens, and to the surface of the log.

Near Station 74, July 1, 1873, off Fayal, Azores. Small quantity attached to a box. Not quite full-grown. Without ova. Carina smooth. Numerous larvæ in the Cypris-stage among the larger specimens.

Station 75, July 2, 1873, off Fayal, Azores. Two small specimens with a barbed carina; depth 50 to 90 fathoms. Although the specimens came up with the dredge, there can be no doubt but that they were taken at the surface.

Near Station 137, October 24, 1873; lat. 35° 59' S., long. 1° 26' E. Attached to a floating spar. Numerous specimens of different sizes; the larger ones with ova.

Cape of Good Hope, November 1873. Numerous specimens of very different sizes (capitulum 5–45 mm.). The larger specimens with ova; taken from a log of wood.

*Observations.*—A small bottle, labelled Station 244, 2900 fathoms, contains a right-hand scutum with the umbonal tooth. The shell has suffered considerably from the influence of the sea water, yet belongs doubtlessly to the present species.

*Lepas hillii*, Leach, sp. (Pl. I. fig. 3).

*Pentalasmis hillii*, Leach, Tuckey's Congo Exped., 1818, p. 413.

*Lepas hillii*, Darwin, Monograph Lepadidæ, 1851, p. 77.

Two young specimens of this species were taken from the screw of the Challenger at St. Vincent, Cape de Verde Islands, in April 1876, when on her return homewards.