

PENNATULIDA (Kölliker, Zool. pt. 2).

STATION VII.
ANIMALS FROM
TRAWL.

Umbellula thomsoni, n.sp. Two specimens; obtained at no other locality. The larger specimen had a stem 3 feet in length, and showed most brilliant phosphorescence, which, on being examined with the spectroscope, gave a very restricted spectrum, extending from about *b* to D.

In the Station-book are noted also: *Archaster* [= *Plutonaster*] *bifrons* (?), and three specimens of *Stichopus* (?) sp.

Surface Organisms.—The following species are recorded from the carapace of a turtle taken at the surface at this Station:—

ORGANISMS FROM
THE SURFACE.

HYDROIDA (Allman, Zool. pt. 70).

Campanularia chelonix, n.sp.

CIRRIPEDIA (Hoek, Zool. pt. 25).

Conchoderma virgatum (Spengler), var. *chelonophilus*, Leach.

AMPHIPODA (Stebbing, Zool. pt. 67).

Platophium chelonix, n.sp.

BRACHYURA (Miers, Zool. pt. 49).

Nautilograpsus minutus (Linné).

Willemoes-Suhm writes:—"A specimen of *Chelone imbricata* was caught by Murray, and beneath the fore-paddles we found *Conchoderma*, a Lepadid with rudimentary chalk pieces, with young larvæ in the Cypris stage just attached, besides also a *Lepas*. The swimming Brachyurous crab, caught once before, was also sitting upon it."

Station VIIA. (Sounding 23), Gibraltar to Madeira (see Chart 2).

STATION VIIA.

February 1, 1873; lat. 34° 4' N., long. 14° 18' W.

Temperature of air at noon, 62°·8; mean for the day, 61°·8.

Temperature of water at surface, 61°·0; bottom, 37°·0.

Depth, 2250 fathoms; deposit, Globigerina Ooze, containing 74·77 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 10 A.M. sounded in 2250 fathoms, and at 11.30 A.M. proceeded under steam. Distance at noon from S.E. Rock, Porto Santo, 114 miles. Made good 99 miles. Amount of current 3 miles, direction S. 62° W.

Stations VIIB. to VIIF. (Soundings 24 to 28), off Madeira (see Charts 2 and 4).STATIONS VIIB. TO
VIIF.

On February 2, 1873, soundings were taken as follows:—At 7 A.M., in 2225 fathoms, deposit Globigerina Ooze, containing 53·13 per cent. of carbonate of lime, bottom temperature 37°·0 (Station VIIB.); at 1.40 P.M., in 670 fathoms, deposit Calcareous Sand,