

form, as represented in fig. 12; rarely, the shell has a more or less truncate base, as in fig. 13.

Lagena trigono-marginata has only been met with at two Challenger Stations, namely:— in the North Pacific, at a depth of 2300 fathoms; and off Raine Island, Torres Straits, 155 fathoms. It occurs, however, in two of the "Porcupine" dredgings from the North Atlantic, off the west coast of Ireland, 90 fathoms and 1360 fathoms respectively; also in Dublin Bay (Balkwill and Wright), in the estuary of the Dee (Siddall), and on the coast of Yorkshire (Robertson).

It has been obtained from the Eocene deposits of Grignon, France (Parker and Jones), and from the Post-tertiary beds of the north-east of Ireland (Wright). Terquem (*loc. cit.*) figures a Liassic specimen of greater proportionate length, but not otherwise distinguishable from the normal form.

Lagena trigono-ornata, H. B. Brady (Pl. LXI. fig. 14).

Lagena trigono-ornata, Brady, 1881, Quart. Journ. Micr. Sci., vol. xxi., N. S., p. 62.

Test oval or pyriform, trifacial, with three equidistant longitudinal carinæ; the carinæ consisting of thick bands of cellulated shell-substance reticulated externally. Length, $\frac{1}{36}$ th inch (0.7 mm.).

This variety resembles *Lagena trigono-marginata* in general conformation, but the peripheral keels, instead of being simple angular projections, are much thickened, and present a honeycombed structure.

The figured shell is from the north coast of Papua, near the equator, 1070 fathoms. Specimens with somewhat similar characters have been obtained from the estuary of the Dee (Mrs. Shone), from Dublin Bay (Balkwill and Wright), and, in the sub-fossil condition, from the estuarine clay of Limavady, in the north-east of Ireland (Wright).

Lagena quadrangularis, n. sp. (Pl. CXIV. fig. 11, a. b.).

Test elongate, compressed, quadrangular in transverse section; inferior end rounded, sometimes mucronate; superior end tapering and terminating in a short apertural neck; lateral edges parallel; angles acute, subcarinate. Length, $\frac{1}{70}$ th inch (0.36 mm.).

This is a scarce variety, differing from the *Tetragonulina prima* of Seguenza, in its comparatively flattened contour and the subcarinate condition of the salient angles.

Its occurrence, so far as at present known, is limited to a single locality,—off Raine Island, Torres Strait, 155 fathoms.